

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Abeliophyllum distichum *Variety:*
Cultivar: *Family:* Oleaceae *Tsnum:* 01040
Common Name: White Forsythia
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/7/2013

Plant Habit: Irregular

Plant Height: 4-5 ft.

Plant Width: 5-6 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in arboretum in 2004. Habit seems a little leggy.

Observation Date of Flowers: 3/19/2012

Flower Color: White

Flower Type: cluster

Flower Effect: Excellent

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Nice fragrance.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
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Scientific Name: Abies concolor *Variety:* -0-
Cultivar: Candicans *Family:* Pinaceae *Tsnum:* 91141
Common Name: Blue White Fir
Source: Oregon Garden Products *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Narrow, pyramidal

Plant Height: 16-22 ft.

Plant Width: 10-16 ft

Current Seasons Growth: 4-8 in.

Foliage Color: Blue/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Health is improving on two trees after nearby tree was removed which was crowding the others.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
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Scientific Name: Abies koreana *Variety:*
Cultivar: Horstmann Silberlocke *Family:* Pinaceae *Tsnum:* 13036
Common Name: Silberlocke Korean Fir
Source: Bailey Nurseries *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
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Scientific Name: Abies nordmannia

Variety:

Cultivar: 26016

Family: Pinaceae

Tsnum: 02031

Common Name: Caucasian Fir

Source: USDA/NC-7, Ames, IA

Quantity observed:

1

PI #: 26016

Observation Date of Plant: 11/9/2012

Plant Habit: Irregular

Plant Height: 1-2 ft.

Plant Width: 10-15 in.

Current Seasons Growth: 1 - 2 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Vigor is low but this specimen would probably do better in more sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
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Scientific Name: Acer buergeranum **Variety:** -0-
Cultivar: -0- **Family:** Aceraceae **Tsnum:** 80272
Common Name: Trident Maple
Source: OE White Research Arboretu **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 25-35 ft.
Plant Width: 22-28 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Light to medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Inactive canker

Disease Severity: Aesthetics affected

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Bark is flaky and very attractive, canker is large but not active. Mild chlorosis on most of tree along with some leaf scorch.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
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Scientific Name: Acer caddo **Variety:**
Cultivar: **Family:** Aceraceae **Tsnum:** 94174
Common Name: Caddo Maple
Source: Oklahoma **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 14-18 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: No sign of chlorosis. Nice overall appearance.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/19/2011
Aesthetics: Excellent **Persistence:** 2-4 weeks
Fall Color: Red, orange, yellow

**2013 Woody Plant Evaluations
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Scientific Name: Acer campestre **Variety:**
Cultivar: Panacek **Family:** Aceraceae **Tsnum:** 06020
Common Name: Metro Gold Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 7-9 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 2-3 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker on one of two and was dead by 2010.

Disease Severity: Moderate to severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in arboretum in 2008. Top half broken by snow damage 10/25/11.
Break occurred near old canker wound.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer campestre **Variety:**
Cultivar: Panacek **Family:** Aceraceae **Tsnum:** 08001
Common Name: Metro Gold Hedge Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval

Plant Height: 5-7 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2012 . Top broken out by storm damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
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Scientific Name: Acer campestre *Variety:* -0-
Cultivar: Queen Elizabeth *Family:* Aceraceae *Tsnum:* 88090
Common Name: Queen Elizabeth Hedge Maple
Source: J. Frank Schmidt and Son Co *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval to round
Plant Height: 25-35 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small to medium tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Spreading to unwanted places by seed.
Recommended: Yes
Comments on plant: Growth habit is very dense and uniform.

Observation Date of Flowers: 4/26/2006
Flower Color: Green
Flower Type: Cluster
Flower Effect: Fair to poor
% of Flower Coverage: 80-90%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Not showy due to color and size.

Fall Color or Fruit: *Date of observation:*
Aesthetics: *Persistence:*
Fall Color:

**2013 Woody Plant Evaluations
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Scientific Name: Acer campestre **Variety:**
Cultivar: Sparkling Burgundy **Family:** Aceraceae **Tsnum:** 09002
Common Name: Sparkling Burgundy Hedge Maple
Source: Femrite Nursery Company **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/8/2012

Plant Habit: Upright oval

Plant Height: 8-12 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate - affecting top 3 feet of central leader

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
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Scientific Name: Acer campestre **Variety:**
Cultivar: Stgrezam **Family:** Aceraceae **Tsnum:** 04019
Common Name: Saint Gregory Hedge Maple
Source: Femrite Nursery Company **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval

Plant Height: 8-12 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 10-20 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2006. Had establishment problems earlier but has gained impressive vigor on one tree while second tree is looking better.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
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Scientific Name: Acer campestre **Variety:**
Cultivar: Streetwise **Family:** Aceraceae **Tsnum:** 10004
Common Name: Streetwise Hedge Maple
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/8/2012

Plant Habit: Upright oval

Plant Height: 10-14 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small to medium tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend. Looks a little leggy. One of two trees has floppy central leader.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
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Scientific Name: Acer fremanii **Variety:**
Cultivar: Sienna Glen **Family:** Aceraceae **Tsnum:** 07037
Common Name: Sienna Glen Freeman Maple
Source: A. McGill & Son Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval becoming round
Plant Height: 6-9 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 1-3 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2008. Severe chlorosis and some necrosis. Appears to be near death.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: Red, orange

Date of observation: 9/30/2009
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
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Scientific Name: Acer ginnala **Variety:** semenovii
Cultivar: **Family:** Aceraceae **Tsnum:** 02013
Common Name: Turkestan maple
Source: Sjulín Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012
Plant Habit: Multistemmed, upright, irregular
Plant Height: 10-15 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Looks good now but Acer ginnala often gets very chlorotic so it may take a little more time before we know for sure. Growth habit is not very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer ginnala **Variety:**
Cultivar: JFS-UGA **Family:** Aceraceae **Tsnum:** 05013
Common Name: Red November Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval becoming round
Plant Height: 10-12 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, small tree

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: High soil pH

Nuisances: Slight suckering.

Recommended: No

Comments on plant: Planted in 2008. 10/25/11 - Heavy snow broke out top 4 feet as tree still had all its foliage. Has severe chlorosis on most of the tree and some necrosis developing on foliage. Probably not suited to our higher soil pH.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Dark red

Date of observation: 10/20/2011

Persistence: 2-3 weeks

2013 Woody Plant Evaluations
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Scientific Name: Acer ginnala **Variety:**
Cultivar: Ruby Slippers **Family:** Aceraceae **Tsnum:** 10013
Common Name: Ruby Slippers Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
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Scientific Name: Acer glabrum **Variety:** -0-
Cultivar: -0- **Family:** Aceraceae **Tsnum:** 78136
Common Name: Rocky Mountain Maple
Source: Western Evergreen Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Multistemmed

Plant Height: 12-18 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Has severe chlorosis with some necrosis in spots. May look better with more sunlight but crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow, light yellow

Date of observation: 9/20/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
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Scientific Name: Acer grandidentatum **Variety:**
Cultivar: **Family:** Aceraceae **Tsnum:** 10118
Common Name: Bigtooth Maple
Source: Plant Select/DBG **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 3-4 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 1-3 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
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Scientific Name: Acer grandidentatum **Variety:**
Cultivar: 91011-75 **Family:** Aceraceae **Tsnum:** 96281
Common Name: Big Tooth Maple
Source: Plant Select **Quantity observed:** 1 **PI #:** 91011-75

Observation Date of Plant: 10/21/2011

Plant Habit: Upright oval

Plant Height: 12-16 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks happy despite area with poor irrigation.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Red/yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer grandidentatum **Variety:**
Cultivar: 91014-52 **Family:** Aceraceae **Tsnum:** 96285
Common Name: Big Tooth Maple
Source: Plant Select **Quantity observed:** 1 **PI #:** 91014-52

Observation Date of Plant: 10/21/2011
Plant Habit: Upright oval
Plant Height: 15-18 ft
Plant Width: 15-20 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
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Scientific Name: Acer grandidentatum x saccharum *Variety:*
Cultivar: Hipazam *Family:* Aceraceae *Tsnum:* 11010
Common Name: Highland Park Maple
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color *Date of observation:* 10/15/2012
Aesthetics: Good *Persistence:* 1-2 weeks
Fall Color: Yellow, orange

2013 Woody Plant Evaluations
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Scientific Name: Acer griseum **Variety:**
Cultivar: **Family:** Acerceae **Tsnum:** 03001
Common Name: Paperbark Maple
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/8/2012

Plant Habit: Upright oval

Plant Height: 10-15 ft.

Plant Width: 6-10 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Peeling bark is very attractive and cinnamon brown.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
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Scientific Name: Acer monosperulatum ***Variety:***
Cultivar: ***Family:*** Aceraceae ***Tsnum:*** 05103
Common Name: Montpellier Maple
Source: Proven Winners ***Quantity observed:*** 1 ***PI #:***

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 4-6 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Planted at edge of arboretum where irrigation is less uniform.

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend. Suffered some transplant stress with brown leaf margins developing.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer negundo **Variety:** -0-
Cultivar: -0- **Family:** Aceraceae **Tsnum:** 81299
Common Name: Boxelder
Source: Denver Botanic Gardens **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/8/2012

Plant Habit: Irregular

Plant Height: 35-45 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 10-15 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Difficult sites, shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker on branches

Disease Severity: Moderate injury

Cultural Problems:

Nuisances: Susceptible to storm damage

Recommended: No

Comments on plant: Seeds can be invasive. Moderate suckering. Poor growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer negundo **Variety:**
Cultivar: Kelly's Gold **Family:** Aceraceae **Tsnum:** 02045
Common Name: Kelly's Gold Box Elder
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval

Plant Height: 15-20 ft.

Plant Width: 14-18 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Light green with light yellow on new growth

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, difficult sites, under power lines where height is restricted

Overall Plant Health: Fair

Insect Pests: Leaf hopper

Pest Severity: Heavy infestation although no obvious damage

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Light yellow leaves on branch tips appears to be bleaching out and some turning necrotic.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: golden yellow

Date of observation: 9/20/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer negundo *Variety:* -0-
Cultivar: Sensation *Family:* Aceraceae *Tsnum:* 91098
Common Name: Sensation Box Elder
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 20-25 ft.
Plant Width: 18-22 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good to fair
Landscape Uses: Residential street, specimen, difficult sites

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: 5%-10% of canopy - relatively minor.
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Transplanted in 2003 due to unavoidable construction.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color *Date of observation:* 10/19/2011
Aesthetics: Good *Persistence:* 1-2 weeks
Fall Color: Red, yellow

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer negundo **Variety:**
Cultivar: Variegatum **Family:** Aceraceae **Tsnum:** 95034
Common Name: Variegated Boxelder
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright to round, irregular

Plant Height: 10-15 ft.

Plant Width: 12-18 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Variegated, light green and white

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests: Leaf hopper

Pest Severity: Minor

Plant Disease: Canker

Disease Severity: Old canker caused damage on 20-30% of canopy - one tree is worse than the oth

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Has minor suckering. Would benefit from regular pruning since it has a lot of little dead twigs from low vigor. May need more irrigation. About 20% of canopy reverting back to solid green.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Poor to fair

Fall Color: Pale yellow

Date of observation: 9/20/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer nigrum *Variety:* -0-
Cultivar: -0- *Family:* Aceraceae *Tsnum:* 81228
Common Name: Black Maple
Source: Forrest Keeling Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 28-35 ft.
Plant Width: 25-35ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: May grow wider but this tree is crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer nigrum *Variety:* -0-
Cultivar: Greencolumn *Family:* Aceraceae *Tsnum:* 89128
Common Name: Greencolumn Black Maple
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 30-40 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 6-12 in

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Lost a large limb due to snow damage October 2011 which may cause problems over the long term.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: red/orange

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer palmatum **Variety:**
Cultivar: Bloodgood **Family:** Aceraceae **Tsnum:** 07048
Common Name: Bloodgood Japanese Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 3-5 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Dark red/purple

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Canopy had 65% dieback during last winter (2009-2010) but doing fine since then.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer platanoides *Variety:* -0-
Cultivar: -0- *Family:* Aceraceae *Tsnum:* 78137
Common Name: Norway Maple
Source: Kankakee Nursery Company *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Round to upright oval
Plant Height: 40-50 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow/green

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 70-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Not a bright enough yellow to be showy - blends in with emerging foliage.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides *Variety:* -0-
Cultivar: -0- *Family:* Aceraceae *Tsnum:* 84239
Common Name: Norway Maple
Source: USDA, Glen Dale, MD *Quantity observed:* 1 *PI #:* PI377711

Observation Date of Plant: 10/9/2012
Plant Habit: Round
Plant Height: 28-35 ft.
Plant Width: 35-40 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Cavalier **Family:** Aceraceae **Tsnum:** 88087
Common Name: Cavalier Norway Maple
Source: Handy Nursery Co. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval to round
Plant Height: 34-40 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Partly disfigured by storm damage.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides *Variety:* -0-
Cultivar: Cleveland *Family:* Aceraceae *Tsnum:* 86205
Common Name: Cleveland Norway Maple
Source: Mount Arbor Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/8/2012

Plant Habit: Round

Plant Height: 30-40 ft.

Plant Width: 30-35 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Planted at edge of arboretum where irrigation is less uniform.

Nuisances:

Recommended: Yes

Comments on plant: Uniform growth habit, wide branch angles, very attractive except for leaf scorch due to very hot, dry summer.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Columnaris **Family:** Aceraceae **Tsnum:** 78138
Common Name: Columnar Norway Maple
Source: Unknown **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval to round
Plant Height: 38-45 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 8-15 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Growth habit isn't very columnar or uniform. Has a couple of dead branches from unknown cause that decrease aesthetics.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:**
Cultivar: Conzam **Family:** Aceraceae **Tsnum:** 06001
Common Name: Conquest Norway Maple
Source: Femrite Nursery Company **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval to round

Plant Height: 6-8 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Lost central leader earlier from unknown cause but is coming back strong.
Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides **Variety:**
Cultivar: Conzam **Family:** Aceraceae **Tsnum:** 05014
Common Name: Conquest Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 8-10 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Excellent
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Top 25% of central leader died apparently from canker in 2011 but looks great with dark foliage and dense growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides *Variety:* -0-
Cultivar: Deborah *Family:* Aceraceae *Tsnum:* 84181
Common Name: Deborah Norway Maple
Source: J. Frank Schmidt and Son Co *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Round to upright oval

Plant Height: 30-40 ft.

Plant Width: 35-45 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice shape but one tree has included bark in trunk.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides *Variety:* -0-
Cultivar: Fairview *Family:* Aceraceae *Tsnum:* 93090
Common Name: Fairview Maple
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 35-45 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow/green

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers look a little more showy than most because of color contrast with emerging dark red foliage.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides **Variety:**
Cultivar: Globosum **Family:** Aceraceae **Tsnum:** 02004
Common Name: Globe Norway Maple
Source: Femrite Nursery Company **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Round

Plant Height: 7 - 8 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate to severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in arboretum in 2003. Canopy is very dense. Two large cankers on opposite sides of trunk killed top three feet.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow/orange

Date of observation: 9/20/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides **Variety:**
Cultivar: Jade Glen **Family:** Aceraceae **Tsnum:** 00041
Common Name: Jade Glen Maple
Source: A. McGill & Son Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval to round

Plant Height: 13-17 ft

Plant Width: 14-19 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Growth on central leader is minimal and most new growth is on lateral branches. Remainder of tree looks good but not very uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 9/20/2004

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Lamis **Family:** Aceraceae **Tsnum:** 89113
Common Name: Crystal Norway Maple
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 8/7/2013
Plant Habit: Round to broad oval
Plant Height: 18-22 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Has regained vigor by 2007.
Has a very attractive growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: yellow

Date of observation: 9/20/2004
Persistence: 2-4 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:**
Cultivar: National 2000 **Family:** Aceraceae **Tsnum:** 05003
Common Name: Champtree Norway Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 15-20 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Excellent
Landscape Uses: Residential street, shade tree, specimen

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2006. Looks very robust.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** columnaris
Cultivar: Olmstead **Family:** Aceraceae **Tsnum:** 86184
Common Name: Olmstead Columnar Norway Maple
Source: Schichtel's Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 40-50 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This tree may have a wider growth habit if it had more space. More space/sun would probably give it good ratings for both health and overall aesthetics. It has had previous storm damage that has made appearance fairly coarse.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow/green

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 60-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Not a bright enough yellow to be showy - blends in with emerging foliage.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Parkway **Family:** Aceraceae **Tsnum:** 84182
Common Name: Parkway Norway Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval to round
Plant Height: 38-45 ft.
Plant Width: 40-45 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Pond **Family:** Aceraceae **Tsnum:** 85084
Common Name: Emerald Lustre Norway Maple
Source: A. McGill & Son Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Broad oval to round
Plant Height: 20-25 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: yes

Comments on plant: Top of canopy seems to have some dieback that appears similar to a canker and it may be keeping it shorter than it should be. It still looks okay from a distance.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides *Variety:* -0-
Cultivar: Pond *Family:* Aceraceae *Tsnum:* 85163
Common Name: Emerald Lustre Norway Maple
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Round to broad oval

Plant Height: 20-30 ft.

Plant Width: 35-45 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice canopy shape but developing some included bark.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/28/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Princeton Gold **Family:** Aceraceae **Tsnum:** 93089
Common Name: Princeton Gold Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 8/7/2013

Plant Habit: Round

Plant Height: 15-22 ft.

Plant Width: 18-24 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Yellow/light green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium to coarse

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Yellow leaves on branch tips have scorch.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: bright yellow

Date of observation: 10/16/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides *Variety:* -0-
Cultivar: Royal Red *Family:* Aceraceae *Tsnum:* 85086
Common Name: Royal Red Norway Maple
Source: A. McGill & Son Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval to round

Plant Height: 25-30 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Dark red

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: dark red and purple

Date of observation: 9/20/2004

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Summershade **Family:** Aceraceae **Tsnum:** 87080
Common Name: Summershade Norway Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Irregular to round

Plant Height: 20-25 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Growth habit deformed by storm damage but returning to normal appearance only recently and had storm damage to another large branch. Canker in trunk killed 25% of original central leader.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow/green

Flower Type: cluster

Flower Effect: Fair

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Not a bright enough yellow to be showy - blends in with emerging foliage.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Superform **Family:** Aceraceae **Tsnum:** 78032
Common Name: Superform Norway Maple
Source: Milton Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval to round

Plant Height: 35-45 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably look better if not crowded by nearby plants - some branches appear to be getting shaded out. Snow damage in October 2011 decreased overall width.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow/green

Flower Type: cluster

Flower Effect: Fair

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Not a bright enough yellow to be showy - blends in with emerging foliage.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer platanoides **Variety:**
Cultivar: Variegatum **Family:** Aceraceae **Tsnum:** 03037
Common Name: Silver Variegated Norway Maple
Source: A. McGill & Son Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval

Plant Height: 15-20ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Variegated, green/white

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2004. Both trees have about 40-70% of tree has reverted to a solid green leaf. Variegated foliage is very showy but color fades and has some scorch around the edges by end of season.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer pseudosieboldianum *Variety:*
Cultivar: *Family:* Aceraceae *Tsnum:* 07030
Common Name: Korean Maple
Source: Bailey Nurseries *Quantity observed:* 3 *PI #:*

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 8-11 ft.
Plant Width: 3-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. One tree is flopping. Second tree has a canker halfway up trunk and is mostly dead.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Dark red

Date of observation: 10/21/2011
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer rubrum **Variety:** -0-
Cultivar: Armstrong **Family:** Aceraceae **Tsnum:** 93045
Common Name: Armstrong Maple
Source: A. McGill & Son Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 8/7/2013

Plant Habit: Columnar

Plant Height: 25-35 ft.

Plant Width: 6-10 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, narrow/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Looks like it has regained vigor now but one tree has mild chlorosis. Looks good for a red maple in this area.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: orange, red

Date of observation: 9/20/2004

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer rubrum **Variety:**
Cultivar: Brandywine **Family:** Aceraceae **Tsnum:** 02001
Common Name: Brandywine Red Maple
Source: A. McGill & Son Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2004. Has moderate to severe chlorosis - doesn't seem to tolerate a soil pH near 8.0. Some foliage developing necrotic spots. Suffered severe snow damage 10/25/11 with a split down the middle of the trunk and will probably be

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: rose, red

Date of observation: 10/1/2009
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer rubrum **Variety:**
Cultivar: Northwood **Family:** Aceraceae **Tsnum:** 00042
Common Name: Northwood Red Maple
Source: A. McGill & Son Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/29/2012

Plant Habit: Irregular

Plant Height: 8-10 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor - too chlorotic

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in arboretum in 2003. Severe chlorosis - doesn't like higher soil pH.
Growth habit is one sided due to crowding by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: red/orange

Date of observation: 9/20/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer rubrum *Variety:* -0-
Cultivar: Schlesinger *Family:* Aceraceae *Tsnum:* 86108
Common Name: Schlesinger Red Maple
Source: Carlton Plants *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 25-30 ft.

Plant Width: 30-35 ft.

Current Seasons Growth: 8-14 in

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Both trees are slightly chlorotic.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow, orange

Date of observation: 9/20/2004

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharinum **Variety:**
Cultivar: Blair **Family:** Aceraceae **Tsnum:** 02005
Common Name: Blair Silver Maple
Source: Femrite Nursery Company **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 20-28 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 8-12 in

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Both look very nice although the branching habit is a little too open with a little bit of a leggy look.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 9/20/2004

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharinum **Variety:** -0-
Cultivar: Silver Queen **Family:** Aceraceae **Tsnum:** 89133
Common Name: Silver Queen Silver Maple
Source: Sherman Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 40-50 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 12-18 in

Foliage Color: Light to medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, large shade tree

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Somewhat susceptible to storm damage. Seems to be more tolerant of high soil pH than the species but does have minor chlorosis.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharinum **Variety:** -0-
Cultivar: Skinneri **Family:** Aceraceae **Tsnum:** 91101
Common Name: Skinner's Cutleaf Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 25-35 ft.
Plant Width: 25-30 ft.
Current Seasons Growth: 2-6 in

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Slight

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Still hasn't regained vigor but it was a large tree to move. Canker killed one branch which was about 5% of canopy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/16/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharinum **Variety:** -0-
Cultivar: Skinner's Cutleaf **Family:** Aceraceae **Tsnum:** 84197
Common Name: Skinner's Cutleaf Silver Maple
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Susceptible to storm damage but seems to be more tolerant of high soil pH than

Recommended: Yes

Comments on plant: May have a wider growth habit if it had more space.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 9/20/2004

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum *Variety:* -0-
Cultivar: -0- *Family:* Aceraceae *Tsnum:* 80159
Common Name: Sugar Maple
Source: American Nursery Product/Mi *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval
Plant Height: 45-55 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Slight injury on small branch
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: *Date of observation:*
Aesthetics: *Persistence:*
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:** -0-
Cultivar: -0- **Family:** Aceraceae **Tsnum:** 92094
Common Name: Sugar Maple
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** 15680

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 15-20 ft.
Plant Width: 10-16 ft
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: orange, yellow

Date of observation: 10/8/2009
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:** -0-
Cultivar: Arrowhead **Family:** Aceraceae **Tsnum:** 86186
Common Name: Arrowhead Sugar Maple
Source: Schichtel's Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/8/2012

Plant Habit: Upright oval

Plant Height: 40-45 ft.

Plant Width: 30-35 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Uniform growth habit and excellent fall color.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow/green

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Pendulous flowers are an interesting shape but not a very showy color.

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: yellow, magenta red

Date of observation: 10/28/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:**
Cultivar: Autumn Faith **Family:** Aceraceae **Tsnum:** 08014
Common Name: Autumn Faith Sugar Maple
Source: Femrite Nursery Company **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Top 3 feet is weak and thin possibly due to canker on trunk. Planted in 2011 - too soon to recommend

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:** -0-
Cultivar: Bonfire **Family:** Aceraceae **Tsnum:** 82114
Common Name: Bonfire Sugar Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval
Plant Height: 45-55 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Nice growth habit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/10/2012
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: Bright red

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:**
Cultivar: Campfire **Family:** Aceraceae **Tsnum:** 96038
Common Name: Campfire Maple
Source: James Holmund Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval and somewhat irregular
Plant Height: 15-25 ft.
Plant Width: 10-14 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: orange, yellow

Date of observation: 9/20/2004
Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:**
Cultivar: Chippewa Fire **Family:** Aceraceae **Tsnum:** 96037
Common Name: Chippewa Fire Maple
Source: James Holmund Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval and somewhat irregular
Plant Height: 12-17 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks very healthy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: Bright rose/red

Date of observation: 10/21/2011
Persistence: 2-3 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:**
Cultivar: Fairview **Family:** Aceraceae **Tsnum:** 95041
Common Name: Fairview Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval

Plant Height: 20-24 ft.

Plant Width: 12-17 ft

Current Seasons Growth: 8- 12 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Attractive, dense growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Bright rose/orange,
yellow

Date of observation: 10/8/2009

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:** -0-
Cultivar: Green Column **Family:** Aceraceae **Tsnum:** 84183
Common Name: Green Mountain Sugar Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 35-45 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice shape to growth habit. Nice central leader.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Heartland **Family:** Aceraceae **Tsnum:** 06003
Common Name: Autumn Faith Sugar Maple
Source: Femrite Nursery Company **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury on one tree

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2008. Canker on trunk killed the top one third of plant but remainder would look good if dead wood removed.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:**
Cultivar: Hiawatha 1 **Family:** Aceraceae **Tsnum:** 10016
Common Name: Oregon Trail Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/5/2012

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 8-12 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Jefcan **Family:** Acereae **Tsnum:** 09069
Common Name: Unity Maple
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 8-10 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 10-15 in

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: JFS-Caddo2 **Family:** Aceraceae **Tsnum:** 10014
Common Name: Flashfire Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 5-6 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Red

Date of observation: 10/19/2011

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:**
Cultivar: JFS-KW8 **Family:** Aceraceae **Tsnum:** 09011
Common Name: Autumn Fest Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 6-9 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 8-12 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:**
Cultivar: John Pair **Family:** Aceraceae **Tsnum:** 07046
Common Name: John Pair Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 8-11 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: red, orange

Date of observation: 10/7/2009
Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:** -0-
Cultivar: Majesty **Family:** Aceraceae **Tsnum:** 87101
Common Name: Majesty Sugar Maple
Source: A. McGill & Son Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval
Plant Height: 25-30 ft.
Plant Width: 20-30 ft
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Canker - not active

Disease Severity: Aesthetics affected but almost normal looking

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Starting to overcome aesthetic problem of old canker.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:**
Cultivar: Monumentale **Family:** Aceraceae **Tsnum:** 96132
Common Name: Temple's Upright Maple
Source: Schichtel's Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/8/2012

Plant Habit: Columnar

Plant Height: 30-40 ft.

Plant Width: 4-8 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, narrow/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very unique growth habit. One of the top five most columnar growth habits in the arboretum.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: A lot of yellow but also bright red, orange

Date of observation: 10/6/2008

Persistence: 1-2weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:**
Cultivar: Morton **Family:** Aceraceae **Tsnum:** 00157
Common Name: Crescendo Sugar Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 22-30 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2002. Growth habit is relatively open.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: red

Date of observation: 10/10/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:**
Cultivar: Sandersville **Family:** Aceraceae **Tsnum:** 09012
Common Name: Harvest Moon Sugar Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 5-6 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Killed top 18 in. of central leader

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:** -0-
Cultivar: Seneca Chief **Family:** Aceraceae **Tsnum:** 86187
Common Name: Seneca Chief Sugar Maple
Source: Schichtel's Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/8/2012

Plant Habit: Upright oval

Plant Height: 40-50 ft.

Plant Width: 20-30 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, narrow/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Dense and uniform branching habit is very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Golden yellow

Date of observation: 10/28/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:**
Cultivar: Sisseton **Family:** Aceraceae **Tsnum:** 10015
Common Name: Northern Flare Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, narrow/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Mostly yellow with a
rose blush.

Date of observation: 10/15/2012

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:**
Cultivar: Sugar Cone **Family:** Aceraceae **Tsnum:** 04043
Common Name: Sugar Cone Maple
Source: Schichtel's Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Columnar

Plant Height: 10-15 ft.

Plant Width: 4-6 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, confined areas, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2004. Growth habit is very uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer saccharum **Variety:**
Cultivar: Wright Brothers **Family:** Aceraceae **Tsnum:** 01002
Common Name: Wright Brothers Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval

Plant Height: 15-20 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Light to medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2004.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Red, orange

Date of observation: 10/21/2011

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer tataricum **Variety:**
Cultivar: **Family:** Aceraceae **Tsnum:** 97077
Common Name: Tatarian Maple
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** Ames 23254

Observation Date of Plant: 10/9/2012

Plant Habit: Young, undefined

Plant Height: 2-4 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 3-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, small confined areas

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Chlorosis is severe - must not like higher soil pH.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow and red

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer tataricum *Variety:* -0-
Cultivar: -0- *Family:* Aceraceae *Tsnum:* 86188
Common Name: Tatarian Maple
Source: Schichtel's Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 28-35 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Not a very uniform canopy due to storm damage. Has numerous suckers.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer tataricum **Variety:**
Cultivar: Actar **Family:** Aceraceae **Tsnum:** 94019
Common Name: Summer Splendor Tatarian Maple
Source: Discover-Tree Research **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/7/2013
Plant Habit: Irregular
Plant Height: 15-18 ft.
Plant Width: 15 - 20 ft.
Current Seasons Growth: 4-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Still trying to regain vigor. Still misshapen by storm damage in 2002.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 9/20/2004

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer tataricum *Variety:* tree-form
Cultivar: GarAnn *Family:* Aceraceae *Tsnum:* 12078
Common Name: Hot Wings Tatarian Maple
Source: Fort Collins Nursery *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 8/8/2013

Plant Habit: Upright oval

Plant Height: 8-10 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Specimen, small tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Red samaras are very showy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer tataricum **Variety:**
Cultivar: Hot Wings **Family:** Aceraceae **Tsnum:** 04025
Common Name: Hot Wings Tatarian Maple
Source: Fort Collins Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval, multistem

Plant Height: 13-18 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, small confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2004. Deformed by snow damage October 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer tataricum **Variety:**
Cultivar: JFS-KW2 **Family:** Aceraceae **Tsnum:** 06022
Common Name: Rugged Charm Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Irregular, upright

Plant Height: 10-15 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2007. Growth habit is very irregular.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer tataricum **Variety:**
Cultivar: Actar **Family:** Aceraceae **Tsnum:** 10143
Common Name: Hot Wings Tatarian Maple
Source: Garden and Home Show **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/8/2012

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 3-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer truncatum **Variety:**
Cultivar: Warrenred **Family:** Aceraceae **Tsnum:** 07063
Common Name: Pacific Sunset Shantung Maple
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 6-9 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen, medium shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2008. 10/25/11 Suffered moderate breakage and deformity due to snow damage. Canopy looks very leggy. Possible canker killed 5-10% of canopy - mostly confined to one branch.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer truncatum x platanoides *Variety:*
Cultivar: JFS-KW202 *Family:* Aceraceae *Tsnum:* 09013
Common Name: Crimson Sunset Maple
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/5/2012
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Dark red
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, medium shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in - 2011 too soon to recommend. Has slight leaf tatter injury.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Acer x **Variety:** -0-
Cultivar: Warrenred **Family:** Aceraceae **Tsnum:** 90022
Common Name: Pacific Sunset Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/25/2012

Plant Habit: Round

Plant Height: 25-32 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, medium shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Canopy is relatively open.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer x freemanii **Variety:**
Cultivar: Bailston **Family:** Aceraceae **Tsnum:** 10025
Common Name: First Editions® Matador™ Maple
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 8-10 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer x freemanii **Variety:** -0-
Cultivar: Celebration **Family:** Aceraceae **Tsnum:** 90047
Common Name: Celebration Maple
Source: Bailey Nurseries **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 45-55 ft.
Plant Width: 40-45 ft.
Current Seasons Growth: 8-18 in.

Foliage Color: Light to medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has slight suckering. Third tree has less vigor probably because it was moved in 2003 due to construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: red, orange

Date of observation: 9/29/2009
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer x freemanii *Variety:*
Cultivar: DTR 102 *Family:* Aceraceae *Tsnum:* 94075
Common Name: Autumn Fantasy Maple
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval

Plant Height: 30-40 ft.

Plant Width: 24-30 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Still trying to regain vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: bright rosy red

Date of observation: 10/1/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Acer x freemanii **Variety:** -0-
Cultivar: Jeffersred **Family:** Aceraceae **Tsnum:** 91100
Common Name: Autumn Blaze Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 25-35 ft.
Plant Width: 15-25 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Canker on some branches

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Better green than previous evaluation possibly due to more rain and snow this spring. One small branch (<10% of canopy dead from canker).

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: Bright red

Date of observation: 9/20/2004
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Aesculus flava **Variety:**
Cultivar: **Family:** Hippocastanaceae **Tsnum:** 06031
Common Name: Yellow Buckeye
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/7/2013

Plant Habit: Upright oval

Plant Height: 7-10 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. One is leaning a lot due to big bend in trunk halfway up. Second tree has large frost crack on trunk but otherwise looks good. Third tree looks fine.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Aesculus glabra **Variety:** -0-
Cultivar: -0- **Family:** Hippocastanaceae **Tsnum:** 78141
Common Name: Ohio Buckeye
Source: Unknown **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval to round

Plant Height: 20-25 ft.

Plant Width: 18-25 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One specimen is crowded and would be wider if given the space.

Observation Date of Flowers: 5/11/2006

Flower Color: Cream

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: bright orange

Date of observation: 9/20/2004

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Aesculus glabra x octandra **Variety:** -0-
Cultivar: -0- **Family:** Hippocastanaceae **Tsnum:** 87189
Common Name: Hybrid Buckeye
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** A7114

Observation Date of Plant: 10/7/2013
Plant Habit: Upright oval, pyramidal
Plant Height: 14-18 ft.
Plant Width: 18-22 ft.
Current Seasons Growth: 10-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is fairly uniform and very attractive.

Observation Date of Flowers: 5/10/2006

Flower Color: Cream

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 30-40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/19/2005

Aesthetics: Excellent

Persistence: 1-2 weeks

Fall Color: orange, red-orange

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Aesculus hippocastanum **Variety:** -0-
Cultivar: -0- **Family:** Hippocastanaceae **Tsnum:** 82187
Common Name: Common Horsechestnut
Source: Fort Collins Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/7/2013

Plant Habit: Round

Plant Height: 18-24 ft.

Plant Width: 18-22 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Plant width may be wider if not crowded by neighboring trees.

Observation Date of Flowers: 5/26/2006

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers: No signs of any flowers in 2006.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Aesculus hippocastanum **Variety:**
Cultivar: Baumannii **Family:** Hippocastanaceae **Tsnum:** 99034
Common Name: Baumann Horsechestnut
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/7/2013
Plant Habit: Upright oval to round
Plant Height: 18-25 ft.
Plant Width: 15-25 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Attractive overall growth habit.

Observation Date of Flowers: 5/15/2006
Flower Color: White with red speckles in center.
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 10-40%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Flowers are large and showy but very few.

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: yellow

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Aesculus parvifolia **Variety:**
Cultivar: **Family:** Hippocastanaceae **Tsnum:** 08020
Common Name: Bottlebrush Buckeye
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/7/2013

Plant Habit: Young, undefined

Plant Height: 4-5 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Aesculus pavia *Variety:*
Cultivar: *Family:* Hippocastanaceae *Tsnum:* 08021
Common Name: Red Buckeye
Source: Carlton Plants *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 10/7/2013

Plant Habit: Young, undefined

Plant Height: 4-5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. One of two plants had some damage to trunk from deer grazing that caused it to die down to about 8 inches from ground but is coming back very strong but growth habit is a little irregular.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Aesculus pavia **Variety:**
Cultivar: **Family:** Hippocastanaceae **Tsnum:** 07082
Common Name: Red Buckeye
Source: Forrest Keeling Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/30/2013

Plant Habit: Young, undefined

Plant Height: 4-5 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 1-2 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Shade tree, residential street

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Was in lathhouse too long.

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Aesculus x **Variety:**
Cultivar: Homestead **Family:** Hippocastanaceae **Tsnum:** 06009
Common Name: Homestead Horse Chestnut
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/7/2013
Plant Habit: Upright oval becoming round
Plant Height: 6-9 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Aesculus x arnoldiana **Variety:**
Cultivar: Autumn Splendor **Family:** Hippocastanaceae **Tsnum:** 02021
Common Name: Autumn Splendor Horsechestnut
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Round

Plant Height: 8-10 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two had 60% of branches removed by vandals in 2005.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Aesculus x carnea *Variety:*
Cultivar: Briotii *Family:* Hippocastanaceae *Tsnum:* 10001
Common Name: Briotii Red Horsechestnut
Source: Carlton Plants *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/8/2013
Plant Habit: Upright oval
Plant Height: 6-9 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Might have more vigor if in sunnier location.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Alnus glutinosa **Variety:** -0-
Cultivar: -0- **Family:** Betulaceae **Tsnum:** 82060
Common Name: Black Alder
Source: Monrovia Growers **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/26/2013

Plant Habit: Upright oval

Plant Height: 10-15 ft.

Plant Width: 10 - 15 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, wet areas

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances: Severe suckering

Recommended: No

Comments on plant: Plant is in severe decline. Canker on trunk killed top half of tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Alnus hirsuta *Variety:*
Cultivar: *Family:* Betulaceae *Tsnum:* 98063
Common Name: Manchurian Alder
Source: USDA/NC-7, Ames, IA *Quantity observed:* 1 *PI #:* Ames 23248

Observation Date of Plant: 9/26/2013
Plant Habit: Upright oval
Plant Height: 15-22 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, wet areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Drops leaves relatively earlier than most without much fall color.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Alnus hirsuta **Variety:**
Cultivar: Harbin **Family:** Betulaceae **Tsnum:** 10026
Common Name: Prairie Horizon Alder
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/26/2013
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 6-10ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, wet areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Alnus incana *Variety:* -0-
Cultivar: -0- *Family:* Betulaceae *Tsnum:* 82185
Common Name: White Alder
Source: Fort Collins Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/26/2013

Plant Habit: Upright oval

Plant Height: 12-17 ft.

Plant Width: 6-10 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, wet areas

Overall Plant Health: Fair

Insect Pests: Spider mites

Pest Severity: Moderate

Plant Disease:

Disease Severity:

Cultural Problems: Probably requires more irrigation.

Nuisances: Slight suckering

Recommended: No

Comments on plant: Has relatively low vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Alnus japonica *Variety:* -0-
Cultivar: -0- *Family:* Betulaceae *Tsnum:* 80352
Common Name: Japanese Alder
Source: Morris Arboretum *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/26/2013
Plant Habit: Upright oval becoming irregular
Plant Height: 20-28 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, wet areas

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: 10-20% of canopy affected

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Branch losses due to cankers are deforming tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Alnus serrulata

Variety:

Cultivar:

Family: Betulaceae

Tsnum: 07083

Common Name: Smooth Alder

Source: Forrest Keeling Nursery

Quantity observed:

1

PI #:

Observation Date of Plant: 9/26/2013

Plant Habit: Upright oval and somewhat irregular

Plant Height: 18-22 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 20-30 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, wet areas

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Minor suckering

Nuisances:

Recommended: Yes

Comments on plant: Planted Fall of 2007 - easily established. Looks very happy and has impressive vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier alnifolia **Variety:**
Cultivar: Smokey **Family:** Rosaceae **Tsnum:** 04041
Common Name: Smokey Serviceberry
Source: Schichtel's Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval to round

Plant Height: 7-9 ft.

Plant Width: 5-6.5 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2005.

Observation Date of Flowers: 4/26/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier canadensis **Variety:** -0-
Cultivar: Cumulus **Family:** Rosaceae **Tsnum:** 87105
Common Name: Cumulus Shadblow Serviceberry
Source: Pacific Coast Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/17/2012
Plant Habit: Upright oval
Plant Height: 15-20 ft
Plant Width: 10-15 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier canadensis *Variety:*
Cultivar: Globe *Family:* Rosaceae *Tsnum:* 04042
Common Name: Globe Serviceberry
Source: Schichtel's Nursery *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 10/8/2013
Plant Habit: Upright oval to round
Plant Height: 7-10 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 5-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, wildlife, confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2004. Slight suckering but looks good overall. One of two is getting decay on old trunk wound.

Observation Date of Flowers: 4/21/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Red/bronze

Date of observation: 10/28/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier grandiflora
Cultivar: Autumn Brilliance **Family:** Rosaceae
Common Name: Autumn Brilliance Apple Serviceberry
Source: Pacific Coast Nursery **Quantity observed:** 5 **PI #:** -0- **Variety:** -0-
Tsnum: 87104

Observation Date of Plant: 10/2/2013
Plant Habit: Upright oval to round
Plant Height: 12-18 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium to light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering on single stem form.

Recommended: Yes

Comments on plant: Birds make fruit disappear quickly.

Observation Date of Flowers: 4/11/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: orange, red, deep red,
purple

Date of observation: 10/9/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier laevis **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 88100
Common Name: Allegheny Serviceberry
Source: Carlton Plants **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/2/2013

Plant Habit: Upright oval to round

Plant Height: 18-25 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice looking, problem-free tree over many years.

Observation Date of Flowers: 4/11/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-95%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow with dark red

Date of observation: 10/21/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier laevis **Variety:**
Cultivar: JFS-ARB **Family:** Rosaceae **Tsnum:** 04030
Common Name: Spring Flurry Serviceberry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 1-2 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, small tree

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vandals destroyed about half of canopy in 2005. Looks good despite tiny growth increments and low vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier laevis **Variety:**
Cultivar: Jfs-arb **Family:** Rosaceae **Tsnum:** 06032
Common Name: Spring Flurry Service Berry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval to irregular

Plant Height: 9-14 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, small tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. One of two was misshapen by snow but shows good vigor and has recovered a good form.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/28/2013

Aesthetics: Good to excellent, one tr **Persistence:** 1-2 weeks

Fall Color: Orange/red

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier laevis **Variety:**
Cultivar: Rogers **Family:** Rosaceae **Tsnum:** 01023
Common Name: Lustre Serviceberry
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 10-12 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 1-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Would be in better health if not severely vandalized in 2005. Vandalized tree is starting to lean a lot.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: burnt orange, burnt red

Date of observation: 10/16/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier laevis **Variety:**
Cultivar: Snow **Family:** Rosaceae **Tsnum:** 01024
Common Name: Snowcloud Serviceberry
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 8 - 10 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 4-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: 75% of canopy vandalized in 2005.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier laevis **Variety:**
Cultivar: Snowcloud **Family:** Rosaceae **Tsnum:** 99036
Common Name: Snowcloud Serviceberry
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 8 - 10 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 1-2 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Vigor is low due to unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier laevis **Variety:**
Cultivar: Snowcloud **Family:** Rosaceae **Tsnum:** 99004
Common Name: Snowcloud Serviceberry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 7 - 9 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Leaning despite being staked.

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2003.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier sanguinea *Variety:*
Cultivar: *Family:* Rosaceae *Tsnum:* 10022
Common Name: Roundleaf Serviceberry
Source: Forrest Keeling Nursery *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/6/2013

Plant Habit: Young, undefined

Plant Height: 2 ft.

Plant Width: 2 ft.

Current Seasons Growth: 1-2 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub area, wildlife

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier stolonifera *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 81222
Common Name: Running Serviceberry
Source: Smith Nursery Co. *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/2/2013
Plant Habit: Upright oval to round
Plant Height: 8 - 10 ft.
Plant Width: 12-14 ft
Current Seasons Growth: 5 - 10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: One of two plants getting crowded out by neighboring plants.

Nuisances:

Recommended: Yes

Comments on plant: Spreading slowly by many small suckers close to original plant - not invasive.
Nice growth habit.

Observation Date of Flowers: 4/23/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/9/2003

Aesthetics: Good

Persistence: < 1 week

Fall Color: burnt orange w/ red

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier x *Variety:* -0-
Cultivar: Cumulus *Family:* Rosaceae *Tsnum:* 86110
Common Name: Cumulus Hybrid Serviceberry
Source: Carlton Plants *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/27/2013
Plant Habit: Upright oval to round, multistem
Plant Height: 12-18 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair to poor
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate to severe injury
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Appears to be in a decline.

Observation Date of Flowers: 4/20/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color *Date of observation:* 10/6/2008
Aesthetics: Good *Persistence:* 1-2 weeks
Fall Color: Red

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier x
Cultivar: Glennform **Family:** Rosaceae **Variety:**
Common Name: Rainbow Pillar Serviceberry **Tsnum:** 09051
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval

Plant Height: 4-5 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 1-4 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border, wildlife

Overall Plant Health: fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend. Looks fair despite low vigor

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amelanchier x *Variety:* -0-
Cultivar: Regent *Family:* Rosaceae *Tsnum:* 83174
Common Name: Regent Serviceberry
Source: Bailey Nurseries *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/2/2013
Plant Habit: Upright oval to round, multistem
Plant Height: 8-14 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/23/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow, rose, red

Date of observation: 10/14/2013

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Amelanchier x grandiflora **Variety:** -0-
Cultivar: Cole **Family:** Rosaceae **Tsnum:** 92057
Common Name: Cole Serviceberry
Source: Carlton Plants **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval to round

Plant Height: 8 - 10 ft.

Plant Width: 7-9 ft.

Current Seasons Growth: 1-3 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Has a bad lean to it. Some suckering. Would probably have better vigor in a area with abundant moisture.

Observation Date of Flowers: 4/21/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: orange, red to purple-green

Date of observation: 10/9/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amorpha canescens **Variety:**
Cultivar: **Family:** Fabaceae **Tsnum:** 97249
Common Name: Leadplant Amorpha
Source: Fort Collins Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Upright oval or irregular

Plant Height: 3-4 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 1 - 3 ft.

Foliage Color: Gray/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 6/26/2006

Flower Color: Purple

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 60-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Very showy with tiny orange anthers.

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow, brown

Date of observation: 10/9/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amorpha canescens *Variety:* -0-
Cultivar: -0- *Family:* Leguminosae *Tsnum:* 85063
Common Name: Lead Plant
Source: Denver Botanic Gardens *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Upright, irregular

Plant Height: 3 - 4 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 2 - 3 ft.

Foliage Color: Gray/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: 5/23/06: 60-80% dead during winter of -16F. In 2010 it seemed to have survived a similar winter without significant dieback. Plant is lodging - not the best growth habit but foliage is attractive.

Observation Date of Flowers: 7/15/2003

Flower Color: Purple

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amorpha fruticosa **Variety:**
Cultivar: **Family:** Fabaceae **Tsnum:** 97248
Common Name: Indigobush Amorpha
Source: Fort Collins Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/1/2011

Plant Habit: Irregular

Plant Height: 3-4.5 ft.

Plant Width: 4-6 ft

Current Seasons Growth: 1 - 3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2009.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Amorpha fruticosa *Variety:* -0-
Cultivar: -0- *Family:* Leguminosae *Tsnum:* 78142
Common Name: Bastard Indigo
Source: USDA/NC-7 *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Irregular

Plant Height: 6-8 ft.

Plant Width: 6 - 8 ft

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Arctostaphylos x coloradoensis **Variety:**
Cultivar: Panchito **Family:** Ericaceae **Tsnum:** 11115
Common Name: Panchito Manzanita
Source: Garden and Home Show **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Spreading

Plant Height: 6-9 in.

Plant Width: 18-24 in.

Current Seasons Growth: 4-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Aronia arbutifolia *Variety:*
Cultivar: PI 658641 *Family:* Rosaceae *Tsnum:* 11004
Common Name: Red Chokeberry
Source: USDA/NC-7, Ames, IA *Quantity observed:* 4 *PI #:* PI 658641

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval

Plant Height: 3-5 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border, wildlife

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Aronia melanocarpa **Variety:**
Cultivar: Viking **Family:** Rosaceae **Tsnum:** 97012
Common Name: Viking Chokeberry
Source: Sjulín Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/8/2013
Plant Habit: Upright oval becoming round
Plant Height: 6-8 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fruit is 1/4" and very plump.

Observation Date of Flowers: 5/8/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Aronia melanocarpa elata *Variety:* elata
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 86103
Common Name: Glossy Black Chokeberry
Source: Jewell Nursery, Inc. *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/8/2013

Plant Habit: Upright oval

Plant Height: 8-12 ft

Plant Width: 7-10 ft.

Current Seasons Growth: 6-12 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 10/1/2011

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Aronia melonacarpa **Variety:**
Cultivar: Autumn Magic **Family:** Rosaceae **Tsnum:** 03002
Common Name: Autumn Magic Chokeberry
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/6/2013

Plant Habit: Irregular

Plant Height: 6-7 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 2-4 in

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Wildlife, specimen, patio tree

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2011. Lacks vigor and has died back since last evaluation from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Aronia prunifolia **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 85159
Common Name: Purple-fruited Chokeberry
Source: Timber Creek Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Broad oval

Plant Height: 7-10 ft

Plant Width: 15-20 ft.

Current Seasons Growth: 1-3 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: 70% of canopy removed in 2013

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: All are moderately chlorotic with low vigor. One of three had 70-85% of canopy dieback. Second plant had 50% dieback but third looks fairly normal. Most of dieback occurred around 2011 and seems to have stopped although vigor is still

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Artemisia versicolor **Variety:**
Cultivar: Sea Foam **Family:** Compositae **Tsnum:** 03164
Common Name: Sea Foam Artemisia
Source: Fort Collins Nursery **Quantity observed:** 5 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Creeping (ground cover)

Plant Height: 0.5 - 1.5 ft.

Plant Width: 3 - 6 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Ground cover, specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Asimina triloba *Variety:*
Cultivar: *Family:* Annonaceae *Tsnum:* 08128
Common Name: Pawpaw
Source: Forrest Keeling Nursery *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/7/2013

Plant Habit: Young, undefined

Plant Height: 5-6 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 1-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Asimina triloba *Variety:*
Cultivar: *Family:* Annonaceae *Tsnum:* 08128
Common Name: Pawpaw
Source: Forrest Keeling Nursery *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis koreana *Variety:* -0-
Cultivar: -0- *Family:* Berberidaceae *Tsnum:* 81251
Common Name: Korean Barberry
Source: Cross Nurseries Inc. *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/2/2012

Plant Habit: Arching to irregular

Plant Height: 5 - 6 ft.

Plant Width: 6 - 9 ft

Current Seasons Growth: 1 - 3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2011 and growth habit isn't the best yet.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis mentorensis **Variety:** -0-
Cultivar: -0- **Family:** Berberidaceae **Tsnum:** 83202
Common Name: Mentor Barberry
Source: Monrovia Growers **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/1/2012

Plant Habit: Round

Plant Height: 5 - 6 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Berberis thunbergia **Variety:**
Cultivar: Cherry Bomb **Family:** Berberidaceae **Tsnum:** 04009
Common Name: Cherry Bomb Barberry
Source: Monrovia Growers **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/2/2012

Plant Habit: Round to broad oval

Plant Height: 18-30 in.

Plant Width: 2-3 ft.

Current Seasons Growth: 5-8 in.

Foliage Color: Red outer foliage turning to green on the inner foliage

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably look better with more vigor and a more uniform growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis thunbergii *Variety:* -0-
Cultivar: -0- *Family:* Berberidaceae *Tsnum:* 84123
Common Name: Japanese Barberry
Source: Jewell Nursery, Inc. *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/2/2012

Plant Habit: Round

Plant Height: 3-4 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 4-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: This specimen is crowded and would probably look healthier with more space.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color *Date of observation:* 10/21/2003

Aesthetics: Fair *Persistence:* 1-2 weeks

Fall Color: bright yellow, golden
yellow

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis thunbergii *Variety:* -0-
Cultivar: -0- *Family:* Globosa Nana Barberry *Tsnum:* 91144
Common Name: 'Globosa Nana'
Source: Oregon Garden Products *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/1/2012

Plant Habit: Round to broad oval

Plant Height: 3-4.5 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage is relatively smaller and more delicate looking. Growth habit is more compact.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis thunbergii **Variety:**
Cultivar: Bailone **Family:** Berberidaceae **Tsnum:** 95033
Common Name: Ruby Carousel Barberry
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/2/2012

Plant Habit: Arching, upright oval

Plant Height: 3 - 5 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Red fading to green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: bright pinkish red,
peach/orange

Date of observation: 10/21/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis thunbergii **Variety:**
Cultivar: Baitwo **Family:** Berberidaceae **Tsnum:** 95032
Common Name: Burgundy Carousel Barberry
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/2/2012

Plant Habit: Upright, irregular

Plant Height: 3 - 4.5 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Red

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Not much vigor after 17 years. May need a fairly moist site.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis thunbergii **Variety:** atropurpurea
Cultivar: Crimson Pygmy **Family:** Berberidaceae **Tsnum:** 81102
Common Name: Crimson Pygmy Japanese Barberry
Source: Monrovia Growers **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/1/2012

Plant Habit: Broad oval

Plant Height: 2-3 ft.

Plant Width: 3-4.5 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Red tips (on new growth) but mostly medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice compact growth habit but not much fruit. One of two plants has less vigor and only looks fair.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: red and some yellow,
bright

Date of observation: 10/16/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis thunbergii *Variety:* -0-
Cultivar: Erecta *Family:* Berberidaceae *Tsnum:* 86150
Common Name: Erect Japanese Barberry
Source: Jewell Nursery, Inc. *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 10/1/2012
Plant Habit: Arching, broad oval to round
Plant Height: 3 - 5 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Periodically needs old twigs removed.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis thunbergii **Variety:** atropurpurea
Cultivar: Gold Ring **Family:** Berberidaceae **Tsnum:** 85095
Common Name: Gold Ring Japanese Barberry
Source: Bailey Nurseries **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/2/2012

Plant Habit: Round to irregular

Plant Height: 3-4.5 ft.

Plant Width: 4 - 6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Red

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Removed about 66% of canopy in 2010. Some of canopy which was removed never leafed out after winter but some was old wood from previous years. Still looks like it never grew back in 2012. Gold ring around leaf edge is not too

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis thunbergii **Variety:** -0-
Cultivar: Kobold **Family:** Berberidaceae **Tsnum:** 81100
Common Name: Kobold Japanese Barberry
Source: Monrovia Growers **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2012

Plant Habit: Broad oval

Plant Height: 2 - 3 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 4 - 8 in.

Foliage Color: Medium green inner foliage with red on outer foliage.

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Red at tips while green foliage occurs further inside the shrub. Growth habit is a little irregular.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis thunbergii **Variety:** -0-
Cultivar: Marshall **Family:** Berberidaceae **Tsnum:** 82099
Common Name: Marshall Japanese Barberry
Source: Cross Nurseries Inc. **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/1/2012

Plant Habit: Round, arching

Plant Height: 5- 6 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 8-16 in.

Foliage Color: Red with more green on the inner foliage.

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: A solid performer over the years.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: dark purple

Date of observation: 9/20/2004

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis thunbergii **Variety:**
Cultivar: Monry **Family:** Berberidaceae **Tsnum:** 01044
Common Name: Sunsatation Barberry
Source: Monrovia Growers **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/1/2012

Plant Habit: Upright

Plant Height: 1.5 - 2 ft.

Plant Width: 1.5 - 2 ft.

Current Seasons Growth: 1-3 in.

Foliage Color: Lighter green inner foliage with very light yellow/green (nearly white) on outer foliage

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Low vigor. Leaves are very tiny. Never seems to have established.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis thunbergii *Variety:* -0-
Cultivar: Red Chief *Family:* Berberidaceae *Tsnum:* 91145
Common Name: Red Chief Barberry
Source: Oregon Garden Products *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 10/2/2012

Plant Habit: Upright, arching

Plant Height: 4-5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 10-18 in.

Foliage Color: Dark red

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of three is smaller. Foliage has a relatively narrower shape than most Berberis.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: bright red w/ red-purple

Date of observation: 10/9/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis thunbergii **Variety:** atropurpurea
Cultivar: Rose Glow **Family:** Berberidaceae **Tsnum:** 81101
Common Name: Rose Glow Japanese Barberry
Source: Monrovia Growers **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/1/2012

Plant Habit: Round

Plant Height: 4-6 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Variegated slightly with lighter red markings, predominantly red

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage is red with some variegation which is nice when viewed up close.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis thunbergii *Variety:* -0-
Cultivar: True Hedge *Family:* Berberidaceae *Tsnum:* 92261
Common Name: True Hedge Japanese Barberry
Source: Greenleaf Nursery Co. *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/1/2012
Plant Habit: Upright, arching
Plant Height: 4-5 ft.
Plant Width: 3-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark red
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis x **Variety:**
Cultivar: Concorde **Family:** Berberidaceae **Tsnum:** 02048
Common Name: Concorde Barberrry
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/2/2012

Plant Habit: Round

Plant Height: 8-15 in.

Plant Width: 8-16 in.

Current Seasons Growth: 2 - 4 in.

Foliage Color: Predominantly red fading to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Still fairly small in 2012 but the plant is starting to show good health and better vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berberis x **Variety:** -0-
Cultivar: Emerald Carrousel **Family:** Berberidacea **Tsnum:** 90049
Common Name: Emerald Carrousel Barberry
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/2/2012

Plant Habit: Round to broad oval

Plant Height: 5 - 6 ft.

Plant Width: 7-9 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Showy flowers in spring and very showy fruit in fall and winter. One of the best looking plants in the arboretum.

Observation Date of Flowers: 4/24/2012

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 95-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/10/2004

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: bright red, orangish pink

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Berbis thunbergii **Variety:**
Cultivar: Helmond Pillar **Family:** Berberidaceae **Tsnum:** 06070
Common Name: Helmond Pillar Barberry
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/1/2012
Plant Habit: Columnar
Plant Height: 3-4 ft.
Plant Width: 12-18 in.
Current Seasons Growth: 6-10 in.

Foliage Color: Dark red
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, barrier

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Betula jacquemontii **Variety:**
Cultivar: **Family:** Betulaceae **Tsnum:** 10005
Common Name: Whitebarked Himalayan Birch
Source: Carlton Plants **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 9/26/2013

Plant Habit: Upright oval

Plant Height: 8-11 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, wet areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. One of three trees has one stem that died during summer from undetermined cause but is often borers. Affects about 10% of canopy on the one tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Betula lenta *Variety:* -0-
Cultivar: -0- *Family:* Betulaceae *Tsnum:* 89165
Common Name: Sweet Birch
Source: Schichtel's Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/26/2013
Plant Habit: Round becoming broad oval
Plant Height: 7-10 ft.
Plant Width: 10-12 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, wet areas

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Keeps dying back from top down due to cankers. Fruiting bodies forming along stems.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: golden yellow

Date of observation: 10/10/2011

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Betula papyrifera
Cultivar: -0- **Family:** Betulaceae **Variety:** -0-
Common Name: Paper Birch **Tsnum:** 78048
Source: Alaska Plant Material Center **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/26/2013
Plant Habit: Upright oval to round
Plant Height: 22-28 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Tree is a little crowded and could use more irrigation.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Betula papyrifera **Variety:**
Cultivar: Varen **Family:** Betulaceae **Tsnum:** 03020
Common Name: Paper Birch
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** 26922

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 15-20 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 18-24 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, large shade tree, moist areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Possible signs of borer holes near base.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: golden yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Betula pendula *Variety:*
Cultivar: *Family:* Betulaceae *Tsnum:* 97078
Common Name: European White Birch
Source: USDA/NC-7, Ames, IA *Quantity observed:* 1 *PI #:* Ames 23249

Observation Date of Plant: 9/27/2013
Plant Habit: Upright oval to pyramidal
Plant Height: 18-22 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Residential street, specimen, moist areas

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: 25-30% of canopy has died back and was pruned out. Hard to confirm on this tree but birches usually have problems with dry winters and then borers move in.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: yellow

Date of observation: 10/21/2003
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Betula pendula **Variety:**
Cultivar: Laciniata **Family:** Betulaceae **Tsnum:** 99021
Common Name: Cutleaf Weeping Birch
Source: Femrite Nursery Company **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 7/8/2011

Plant Habit: Upright oval, weeping

Plant Height: 23-30 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Dark green

Bark Characteristics: Important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has light chlorosis on 30% of tips but not very noticeable.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Betula utilis **Variety:**
Cultivar: Madison **Family:** Betulaceae **Tsnum:** 07051
Common Name: White Satin Birch
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/26/2013
Plant Habit: Upright oval
Plant Height: 15-20 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: yes
Comments on plant: Planted in arboretum in 2009.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Betula x **Variety:**
Cultivar: Crimson Frost **Family:** Betulaceae **Tsnum:** 96133
Common Name: Crimson Frost Birch
Source: Schichtel's Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 7/8/2011
Plant Habit: Weeping
Plant Height: 25-30 ft.
Plant Width: 12-17 ft.
Current Seasons Growth: 8-15 in.

Foliage Color: Dark purple
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: good
Insect Pests: borers
Pest Severity: Minor injury
Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Lost two other trees in areas not as moist as the perennial garden, which gets more irrigation during the winter. Otherwise borers will kill it off if not kept moist.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Betula x **Variety:** -0-
Cultivar: Rockimon **Family:** Betulaceae **Tsnum:** 90024
Common Name: Rocky Mountain Splendor Birch
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/26/2013
Plant Habit: Upright oval
Plant Height: 20-28 ft.
Plant Width: 15 - 18 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/9/2003
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: pale golden yellow

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Buddleia alternifolia **Variety:**
Cultivar: **Family:** Loganiaceae **Tsnum:** 97243
Common Name: Fountain Butterfly Bush
Source: Fort Collins Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Broad oval

Plant Height: 5-6 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Gray/green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Doesn't look too good after flowering but eventually recovers good aesthetics.

Observation Date of Flowers: 6/1/2006

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 75-85%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Not fragrant.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Buxus **Variety:**
Cultivar: Green Mountain **Family:** Buxaceae **Tsnum:** 98086
Common Name: Green Mountain Boxwood
Source: Greenleaf Nursery Co. **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 11/9/2012
Plant Habit: Upright oval
Plant Height: 3-4 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 3 - 6 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Hedge, Shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Turned reddish/brown/bronze in winter.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/21/2003
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: burnt orange, deep rust

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Buxus microphylla

Variety: koreana

Cultivar: -0-

Family: Buxaceae

Tsnum: 81194

Common Name: Korean Boxwood

Source: USDA/NC-7, Ames, IA

Quantity observed: 1

PI #: -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Upright oval becoming round

Plant Height: 3-4 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This plant may need more sun - growth habit is becoming too open.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Buxus microphylla *Variety:*
Cultivar: Julia Jane *Family:* Buxaceae *Tsnum:* 97258
Common Name: Julia Jane Boxwood
Source: Fort Collins Nursery *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 10/21/2011

Plant Habit: Upright oval to round

Plant Height: 2-4 ft.

Plant Width: 2-4 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: January 2006 - foliage is still a good dark green color.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Buxus microphylla

Variety: -0-

Cultivar: Wintergreen

Family: Buxaceae

Tsnum: 90043

Common Name: Wintergreen Boxwood

Source: Bailey Nurseries

Quantity observed: 3

PI #: -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Broad oval

Plant Height: 1-2 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Plants in more sun have better growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Buxus microphylla *Variety:* koreana
Cultivar: Wintergreen *Family:* Buxaceae *Tsnum:* 85145
Common Name: Wintergreen Boxwood
Source: Synnestvedt Nursery *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Broad oval

Plant Height: 2-3 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 2-3 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks okay but foliage is not as shiny and attractive as some other cultivars.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Buxus microphylla asiaticum *Variety:*
Cultivar: Gregem *Family:* Buxaceae *Tsnum:* 08124
Common Name: Baby Gem Boxwood
Source: Greenleaf Nursery Co. *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 11/9/2012
Plant Habit: Upright oval
Plant Height: 3-4.5 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Has much more vigor than the other Buxus in the collection.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Buxus x *Variety:* -0-
Cultivar: Green Velvet *Family:* Buxaceae *Tsnum:* 92125
Common Name: Green Velvet Boxwood
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Broad oval, irregular

Plant Height: 3-4 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Caragana arborescens **Variety:** -0-
Cultivar: -0- **Family:** Verbenaceae **Tsnum:** 78145
Common Name: Siberian Peashrub
Source: USDA/NC-7 **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/26/2012
Plant Habit: Broad oval or irregular
Plant Height: 9-12 ft.
Plant Width: 18-25 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Slight injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Too big for most landscapes.

Observation Date of Flowers: 5/15/2006
Flower Color: Yellow
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 26-50%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Only flowering on inner half of the plant.

Fall Color or Fruit: Fall color **Date of observation:** 9/20/2004
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: yellow

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Caragana arborescens *Variety:*
Cultivar: Walker *Family:* Leguminosae *Tsnum:* 94042
Common Name: Walker Weeping Caragana
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 9/27/2012

Plant Habit: Weeping

Plant Height: 3 - 4.5 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Has 1-2 branches that have died but still looks a little leggy overall.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Caragana frutex **Variety:** -0-
Cultivar: -0- **Family:** Leguminosae **Tsnum:** 89145
Common Name: Russian Peashrub
Source: Jewell Nursery, Inc. **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/27/2012

Plant Habit: Upright oval to round

Plant Height: 5-9 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of three was rejuvenated and has come back like a thicket - better vigor but not too attractive.

Observation Date of Flowers: 5/15/2006

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Caragana frutex *Variety:* -0-
Cultivar: -0- *Family:* Fabaceae *Tsnum:* 93118
Common Name: Russian Peashrub
Source: USDA/NC-7, Ames, IA *Quantity observed:* 1 *PI #:* 13823

Observation Date of Plant: 9/27/2012

Plant Habit: Upright oval

Plant Height: 2-3 ft

Plant Width: 2 - 3 ft.

Current Seasons Growth: 2-5 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor to fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Vigor is low but better than in 2010. Half of plant is chlorotic with brown margins.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Caragana frutex **Variety:** -0-
Cultivar: Grandiflora **Family:** Leguminosae **Tsnum:** 83284
Common Name: Russian Peashrub
Source: USDA, Cheyenne **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/27/2012

Plant Habit: Upright oval

Plant Height: 2-3 ft.

Plant Width: 1-3 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Seems to have some disease the affects individual stems with wilting then death. By the end of the growing season the plant was only alive with a few new sprouts at the base. Will probably be dead next year.

Observation Date of Flowers: 4/20/2006

Flower Color: Yellow

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Caragana maximowicziana **Variety:** -0-
Cultivar: -0- **Family:** Leguminosae **Tsnum:** 78146
Common Name: Maximowicz Peashrub
Source: USDA/NC-7 **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/27/2012

Plant Habit: Broad oval

Plant Height: 3-4 ft.

Plant Width: 6-9 ft

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Barrier, Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Attractive fine foliage. Rejuvenated in 2009. Nice dense growth habit.

Observation Date of Flowers: 5/22/2006

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 9/20/2004

Aesthetics: Fair

Persistence: 2-4 weeks

Fall Color: yellow

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Caragana rosea **Variety:**
Cultivar: **Family:** Fabaceae **Tsnum:** 00054
Common Name: Red Pea Shrub
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** -

Observation Date of Plant: 9/27/2012
Plant Habit: Broad oval
Plant Height: 2-3 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Never has been very attractive even with flowers. One plant has poor vigor from unknown cause. Growth habit is a little leggy.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow with blush of maroon

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Maroon in color on outside of throat. Not enough flowers or color to be as showy as the typical Caragana.

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/10/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Carpinus betulus **Variety:**
Cultivar: **Family:** Betulaceae **Tsnum:** 04036
Common Name: European Hornbeam
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/26/2013

Plant Habit: Upright oval

Plant Height: 5-7 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit deformed by earlier canker and subsequent pruning.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Carpinus betulus **Variety:** -0-
Cultivar: Fastigiata **Family:** Betulaceae **Tsnum:** 86117
Common Name: Pyramidal European Hornbeam
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/3/2011
Plant Habit: Upright oval to pyramidal
Plant Height: 18-25ft.
Plant Width: 20-25 ft
Current Seasons Growth: 8-12 in

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very formal growth habit - very little or no pruning is needed.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: golden yellow

Date of observation: 10/21/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Carpinus betulus **Variety:**
Cultivar: JFS-KW1 CB **Family:** Betulaceae **Tsnum:** 10017
Common Name: Emerald Avenue Hornbeam
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/26/2013

Plant Habit: Narrow, columnar

Plant Height: 8-12 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, narrow areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Canker on trunk of one tree about six inches above soil.

Disease Severity: Slight to moderate

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Looks good despite canker.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Carpinus betulus **Variety:**
Cultivar: Pendula **Family:** Betulaceae **Tsnum:** 03003
Common Name: Weeping European Hornbeam
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/26/2013

Plant Habit: Round, weeping

Plant Height: 7-9 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering

Recommended: Marginal

Comments on plant: Canopy died back 50% during first winter - temperature reached -16F. No significant dieback since then. Doesn't seem to be weeping much. One of two trees dropped half its leaves early and upper trunk is discolored.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Carpinus caroliniana **Variety:** -0-
Cultivar: -0- **Family:** Betulaceae **Tsnum:** 87098
Common Name: American Hornbeam
Source: Carlton Plants **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/26/2013

Plant Habit: Round

Plant Height: 15-20 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6 - 10 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Minor suckering

Recommended: Yes

Comments on plant: Nice shape and controlled growth.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Mostly yellow, some red

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Carpinus caroliniana **Variety:**
Cultivar: CCSQU **Family:** Betulaceae **Tsnum:** 12030
Common Name: Palisade American Hornbeam
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/26/2013

Plant Habit: Upright oval

Plant Height: 5-7 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Carpinus caroliniana **Variety:**
Cultivar: Jn Select **Family:** Betulaceae **Tsnum:** 06039
Common Name: American Hornbeam
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** Ames 27963

Observation Date of Plant: 9/26/2013

Plant Habit: Upright oval

Plant Height: 5 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend. Left in container too long which reduced vigor but should recover now that it is in a good location in arboretum.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Carya glabra *Variety:*
Cultivar: *Family:* Juglandaceae *Tsnum:* 08129
Common Name: Pignut Hickory
Source: Forrest Keeling Nursery *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 10/4/2013

Plant Habit: Young, undefined

Plant Height: 5-6 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 2 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Shade tree, wildlife

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Carya laciniosa **Variety:**
Cultivar: **Family:** Juglandaceae **Tsnum:** 09055
Common Name: Shellbark Hickory
Source: Forrest Keeling Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/5/2013
Plant Habit: Young, undefined
Plant Height: 3-4 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Replanted in 2013 - too soon to recommend. First plant failed to get established.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Caryopteris incana **Variety:** -0-
Cultivar: -0- **Family:** Verbenaceae **Tsnum:** 83340
Common Name: Bluebeard
Source: Inter-State Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/20/2012

Plant Habit: Broad oval

Plant Height: 3-4 ft.

Plant Width: 6-7 ft

Current Seasons Growth: 8-14 in.

Foliage Color: Gray/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2009. Looks great on very minimal irrigation.

Observation Date of Flowers: 8/25/2006

Flower Color: Lavender/blue

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Fruit Present: no

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Caryopteris x clandonensis *Variety:*
Cultivar: Blue Knoll *Family:* Verbenaceae *Tsnum:* 98050
Common Name: Blue Knoll Bluebeard
Source: Sjulín Nurseries *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 9/20/2012

Plant Habit: Broad oval

Plant Height: 3-4 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Gray/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 8/25/2006

Flower Color: Lavender/blue

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Fruit Present: no

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Caryopteris x clandonensis **Variety:** -0-
Cultivar: Dark Knight **Family:** Verbenaceae **Tsnum:** 88156
Common Name: Dark Knight Blue-mist Spiraea
Source: Jewell Nursery, Inc. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/20/2012

Plant Habit: Broad oval

Plant Height: 2-3 ft.

Plant Width: 5-6 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Gray/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2009.

Observation Date of Flowers: 8/25/2006

Flower Color: Lavender/blue

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Fruit Present: no

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Caryopteris x clandonensis **Variety:**
Cultivar: Worcester Gold **Family:** Verbenaceae **Tsnum:** 97068
Common Name: Worcester Gold Bluebeard
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/20/2012

Plant Habit: Broad oval, mounding

Plant Height: 3-4 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Yellow/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Doing well for being on the edge of the arboretum.

Observation Date of Flowers: 8/25/2006

Flower Color: Lavender/blue

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Fruit Present: no

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Catalpa ovata **Variety:** -0-
Cultivar: -0- **Family:** Bignoniaceae **Tsnum:** 78147
Common Name: Chinese Catalpa
Source: Western Evergreen Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval to irregular

Plant Height: 30-40 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 10-18 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, large/shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fruit is smaller on this tree than on Catalpa speciosa. Would probably be wider if it had more space.

Observation Date of Flowers: 6/19/2006

Flower Color: Light Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Catalpa speciosa **Variety:** -0-
Cultivar: -0- **Family:** Bignoniaceae **Tsnum:** 78148
Common Name: Northern Catalpa
Source: Fort Collins Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/27/2013
Plant Habit: Upright oval to irregular
Plant Height: 40-50 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 1 - 1.5 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large/shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 6/19/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Fruit Present: no

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 9/20/2004

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Catalpa x erubescens **Variety:** japonica
Cultivar: -0- **Family:** Bignoniaceae **Tsnum:** 81298
Common Name: Japanese Hybrid Catalpa
Source: Denver Botanic Gardens **Quantity observed:** 1 **PI #:** 75-718

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 30-40 ft.

Plant Width: 15-25 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, large/shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 6/19/2006

Flower Color: Light Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Celtis **Variety:**
Cultivar: JFS-KSU1 **Family:** Ulmaceae **Tsnum:** 09014
Common Name: Prairie Sentinel Hackberry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/27/2012
Plant Habit: Upright oval
Plant Height: 7-8 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, shade tree

Overall Plant Health: Fair
Insect Pests: Nipple gall
Pest Severity: Severe - aesthetics affected
Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Celtis **Variety:**
Cultivar: Magnifica **Family:** Ulmaceae **Tsnum:** 06033
Common Name: Magnifica Hackberry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 1-2 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Street tree for urban or residential areas

Overall Plant Health: Poor
Insect Pests: Nipple gall
Pest Severity: Slight injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Planted in 2008. Slow to establish.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 9/23/2009
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Light yellow

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Celtis laevigata **Variety:**
Cultivar: **Family:** Ulmaceae **Tsnum:** 04044
Common Name: Sugar Hackberry
Source: Schichtel's Nursery **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 9/17/2012
Plant Habit: Upright oval or irregular
Plant Height: 8-14 ft.
Plant Width: 7-15 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, shade tree

Overall Plant Health: Fair
Insect Pests: Nipple gall
Pest Severity: Extensive injury one of three trees - affects aesthetics
Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Branching habit goes every direction and it seems to lack a central leader.

Recommended: Marginal

Comments on plant: Planted in arboretum in 2004. There is significant twig dieback to suggest it has some issues with hardiness on one tree. About half of canopy died back on one tree in 2010. Other trees look okay.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair
Fall Color: Light yellow

Date of observation: 10/5/2009
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Celtis occidentalis **Variety:**
Cultivar: **Family:** Ulmaceae **Tsnum:** 97060
Common Name: Hackberry
Source: Forrest Keeling Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 12-18 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, shade tree

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Celtis occidentalis **Variety:** -0-
Cultivar: -0- **Family:** Ulmaceae **Tsnum:** 78029
Common Name: Common Hackberry
Source: Colorado Nurseryman **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/20/2012

Plant Habit: Irregular to upright oval

Plant Height: 25-30 ft.

Plant Width: 25-30 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Street tree for urban or residential areas

Overall Plant Health: Good

Insect Pests: Galls

Pest Severity: Severe aesthetic problem.

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Has 10-20% of canopy as dead twigs that need to be pruned out - not sure about cause of death.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: fair to poor yellow

Date of observation: 10/4/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Celtis occidentalis **Variety:** -0-
Cultivar: Prairie Pride **Family:** Ulmaceae **Tsnum:** 85137
Common Name: Prairie Pride Hackberry
Source: Discover-Tree Research **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2012

Plant Habit: Round

Plant Height: 25-30 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests: Nipple galls

Pest Severity: Aesthetics affected

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 9/20/2004

Persistence: 2-4 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Celtis occidentalis **Variety:**
Cultivar: Ultrazam **Family:** Ulmaceae **Tsnum:** 08015
Common Name: Ultra Hackberry
Source: Femrite Nursery Company **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/27/2012

Plant Habit: Upright oval

Plant Height: 5-6 ft.

Plant Width: 2-4 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Street tree for urban or residential areas

Overall Plant Health: fair to poor

Insect Pests: Nipple gall

Pest Severity: Moderate injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2011. Top half of tree died during first winter to about five feet from ground.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Celtis reticulata **Variety:**
Cultivar: Ames 8439 **Family:** Betulaceae **Tsnum:** 07088
Common Name: Ames 8439 Hackberry
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** Ames 8439

Observation Date of Plant: 12/12/2013

Plant Habit:
Plant Height:
Plant Width:
Current Seasons Growth:

Foliage Color:
Bark Characteristics:
Plant Summer Texture:
Aesthetic Plant Quality:
Landscape Uses:

Overall Plant Health:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cephalanthus occidentalis **Variety:**
Cultivar: **Family:** Rubiaceae **Tsnum:** 10115
Common Name: Common Buttonbush
Source: Plant Select DBG **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cercidiphyllum japonicum **Variety:**
Cultivar: **Family:** Cercidiphyllaceae **Tsnum:** 98075
Common Name: Katsuratree
Source: Schichtel's Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 12-16 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2003. Vigor is increasing as it has become established. Growth habit is a little floppy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cercidiphyllum japonicum **Variety:**
Cultivar: Morioka Weeping **Family:** Cercidiphyllaceae **Tsnum:** 07040
Common Name: Morioka Weeping Katsura Tree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2013

Plant Habit: Weeping

Plant Height: 7-8 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2010. Has some dieback in the past from unknown cause but suspect canker. Trunk appears discolored along trunk.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cercis canadensis *Variety:* -0-
Cultivar: -0- *Family:* Leguminosae *Tsnum:* 78007
Common Name: Eastern Redbud
Source: Rose Lake Plant Material *Quantity observed:* 4 *PI #:* -0-

Observation Date of Plant: 9/9/2012

Plant Habit: Spreading

Plant Height: 10 - 20 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage is very attractive.

Observation Date of Flowers: 4/26/2006

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cercis canadensis *Variety:*
Cultivar: Ames 27321 *Family:* Leguminosae *Tsnum:* 07089
Common Name: Ames 27321 Redbud
Source: USDA/NC-7, Ames, IA *Quantity observed:* 1 *PI #:* Ames 27321

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cercis canadensis **Variety:**
Cultivar: Hearts of Gold PP17740 **Family:** Fabaceae **Tsnum:** 12063
Common Name: Hearts of Gold Eastern Redbud
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/28/2012

Plant Habit: Round

Plant Height: 5-6 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Mostly light to medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Just planted in 2012 - too soon to recommend. One of two got a little leaf scorch during heat of summer.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cercis canadensis **Variety:**
Cultivar: Royal White **Family:** Fabaceae **Tsnum:** 12023
Common Name: Royal White Eastern Redbud
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cercocarpus brevifolius *Variety:*
Cultivar: *Family:* Rosaceae *Tsnum:* 97260
Common Name: Mountain Mahogany
Source: Fort Collins Nursery *Quantity observed:* 4 *PI #:*

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval

Plant Height: 5-9 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Appears to be semi-evergreen.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cercocarpus ledifolius **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 82184
Common Name: Curleaf Mountain Mahogany
Source: Fort Collins Nursery **Quantity observed:** 5 **PI #:** -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Irregular, upright

Plant Height: 10 - 15 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 5-10 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, native planting, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Bark is attractive silver-gray on a mature plant when pruned into a small tree.
Foliage is evergreen.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cercocarpus montanus **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 78019
Common Name: Mountain Mahoghany
Source: Los Lunas Plant Material **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/27/2013

Plant Habit: Irregular to broad oval

Plant Height: 8 - 10 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, native planting, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Other plants block irrigation.

Nuisances:

Recommended: Yes

Comments on plant: Looks inferior to C. ledifolius. Growth habit may have been somewhat flattened out by spring snow in 2003. Looks a little leggy. Parts of canopy look thin.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Chaenomeles japonica **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 82241
Common Name: Japanese Flowering Quince
Source: American Nursery Product/Mi **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/27/2013

Plant Habit: Broad oval

Plant Height: 8 - 12 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two was rejuvenated in 2011. Second plant is moderately chlorotic.

Observation Date of Flowers: 4/26/2006

Flower Color: Red/Pink

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 20-30%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Seems to be fewer than average flowers this year for unknown reason.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Chaenomeles japonica **Variety:**
Cultivar: Chenenne **Family:** **Tsnum:** 13123
Common Name: Cheyenne Flowering Quince
Source: **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/6/2013

Plant Habit: Young, undefined

Plant Height: 3-4 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend. Would probably look better if it had not been forced into leaf for Garden and Home show.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Chamaebatiaria millefolium **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 97267
Common Name: Fernbush
Source: Fort Collins Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Broad oval

Plant Height: 4-5 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium to light green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, xeriscape

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage has a very unique shape and fragrant when bruised.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Chamaecyparis lawsoniana *Variety:* -0-
Cultivar: Gekko Hiba *Family:* Cupressaceae *Tsnum:* 83327
Common Name: Gekko Hiba Lawson Falsecypress
Source: Arnold Arboretum *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/9/2012
Plant Habit: Irregular or somewhat pyramidal
Plant Height: 5-7 ft.
Plant Width: 8-12 ft
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is a little open. Central leader dying back due to shading from nearby tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Chamaecyparis lawsoniana **Variety:** -0-
Cultivar: Triomf Van Boskoop **Family:** Cupressaceae **Tsnum:** 80141
Common Name: Triomf Van Boskoop Lawson False Cypress
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** PI414760

Observation Date of Plant: 11/9/2012

Plant Habit: Pyramidal

Plant Height: 12-16 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This tree is crowded by nearby plants and would probably be wider in a normal landscape.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: *Chamaecyparis obtusa* **Variety:** -0-
Cultivar: Gracilis **Family:** Cupressaceae **Tsnum:** 92254
Common Name: Slender Hinoki Cypress

Source: Monrovia Growers **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Irregular, weeping

Plant Height: 3 - 6 ft.

Plant Width: 2-4 ft.

Current Seasons Growth: 3-5 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: This plant is in a shady location and may do better in more sun. Vigor is low everywhere except central leader. Growth habit has unique character.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Chamaecyparis pisifera **Variety:** -0-
Cultivar: Boulevard **Family:** Cupressaceae **Tsnum:** 93101
Common Name: Boulevard Japanese Falsecypress
Source: Monrovia Growers **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/15/2012

Plant Habit: Irregular

Plant Height: 4-5 ft.

Plant Width: 18-30 in.

Current Seasons Growth: 1 - 2 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: A lot of dead needles plus low vigor create a very unattractive plant.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Chamaecyparis pisifera **Variety:** -0-
Cultivar: Cyanoviridis **Family:** Cupressaceae **Tsnum:** 89040
Common Name: Boulevard Cypress
Source: Oregon Garden Products **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Upright oval becoming irregular

Plant Height: 3 - 5 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 1 - 3 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Has a lot of die back starting from the inside.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Chamaecyparis pisifera *Variety:* -0-
Cultivar: Filifera Aurea *Family:* Cupressaceae *Tsnum:* 83181
Common Name: Sawara Falsecypress

Source: Amfac Nurseries California *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Irregular

Plant Height: 5 - 6 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Yellow/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This plant has graceful, pendulous branch tips.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Chionanthus retusus **Variety:**
Cultivar: **Family:** Oleaceae **Tsnum:** 05011
Common Name: Chinese Fringe Tree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2013
Plant Habit: Young, undefined, upright
Plant Height: 5-7 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 10-18 in.

Foliage Color: Dark green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2005. One of two had central leader broken from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Chioranthus virginicus **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 89163
Common Name: Old Man's Beard
Source: Schichtel's Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/30/2013

Plant Habit: Upright

Plant Height: 6-10 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of three plants has much weaker growth. The other two aren't much better but are acceptable. May be in too much shade.

Observation Date of Flowers: 6/2/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Very delicate looking.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Chrysothamnus nauseosus nauseosus **Variety:**
Cultivar: **Family:** Asteraceae **Tsnum:** 11117
Common Name: Baby Blue Rabbitbrush
Source: Plant Select **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Spreading

Plant Height: 6-12 in.

Plant Width: 1-2 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Blue /gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, xeriscape

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Just planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cladrastis kentukea **Variety:**
Cultivar: Perkins Pink **Family:** Fabaceae **Tsnum:** 08023
Common Name: Pink Flowering Yellowwood
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/28/2012

Plant Habit: Upright oval

Plant Height: 8-10 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Looks good but canker on trunk may cause problems soon.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cladrastis lutea **Variety:** -0-
Cultivar: -0- **Family:** Leguminosae **Tsnum:** 86019
Common Name: Yellowwood
Source: Minnesota Landscape Arbore **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/1/2012
Plant Habit: Upright oval
Plant Height: 30-40 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Insect Pests: Borers
Pest Severity: Slight injury
Plant Disease: Canker on one of two trees
Disease Severity: Moderate injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: A nice looking tree that is under-used for this area.

Observation Date of Flowers: 5/24/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 85-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Long pendulous flowers are delicate and very showy.

Fall Color or Fruit: Fall color **Date of observation:** 10/28/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Golden yellow

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cladrastis lutea **Variety:**
Cultivar: Perkins Pink **Family:** Leguminosae **Tsnum:** 02023
Common Name: Pink Flowering Yellowwood
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 8-10 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Severely vandalized in 2005 - lost 50%-70% of canopy. Survivor is deformed by canker but has good vigor in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Cornus **Variety:** -0-
Cultivar: Bud's Yellow **Family:** Cornaceae **Tsnum:** 92112
Common Name: Bud's Yellow Dogwood
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/8/2012

Plant Habit: Broad oval

Plant Height: 4 - 6 ft.

Plant Width: 8-10 ft

Current Seasons Growth: 2-6 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury

Cultural Problems: Getting too much shade from nearby plants.

Nuisances:

Recommended: Marginal

Comments on plant: Would look better with periodic pruning to remove old branches and more sun.

Observation Date of Flowers: 6/2/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus alba **Variety:** -0-
Cultivar: Sibirica **Family:** Cornaceae **Tsnum:** 93087
Common Name: Siberian Dogwood
Source: Jewell Nursery, Inc. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/8/2012

Plant Habit: Round to broad oval

Plant Height: 5-6 ft.

Plant Width: 6-8 ft

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice uniform growth habit. Rejuvenated in 2009.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow/cream

Date of observation: 10/19/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus alternifolia *Variety:* -0-
Cultivar: -0- *Family:* Cornaceae *Tsnum:* 81151
Common Name: Pagoda Dogwood
Source: Bailey Nurseries *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/8/2012

Plant Habit: Broad oval or round

Plant Height: 8-10 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Branching habit is very interesting after the leaves drop. One of two plants has canker affecting about 10% of canopy top and decreasing appearance.

Observation Date of Flowers: 5/31/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-85%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Mostly dark purple/red
with some rose/red and

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus alternifolia **Variety:**
Cultivar: W. Stackman **Family:** Cornaceae **Tsnum:** 08123
Common Name: Golden Shadows Dogwood
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/5/2012

Plant Habit: Upright, irregular

Plant Height: 3-4 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Variegated, medium green and white

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Slow to gain vigor - probably from inadequate irrigation at edge of arboretum.
Planted in 2009.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Cornus amomum obliqua **Variety:**
Cultivar: **Family:** Cornaceae **Tsnum:** 98066
Common Name: Pale Dogwood
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** Ames 13698

Observation Date of Plant: 10/5/2012
Plant Habit: Round
Plant Height: 5-8 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two plants is in part shade and only looks fair.

Observation Date of Flowers: 6/5/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus amomum *Variety:* -0-
Cultivar: -0- *Family:* Cornaceae *Tsnum:* 78010
Common Name: Silky Dogwood
Source: Rose Lake Plant Material *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Irregular

Plant Height: 6 - 8 ft.

Plant Width: 10-15 ft

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Planted at edge of arboretum where irrigation is less uniform.

Nuisances:

Recommended: Yes

Comments on plant: One of two plants is in too much shade and only looks fair.

Observation Date of Flowers: 6/18/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus controversa **Variety:**
Cultivar: June Snow **Family:** Cornaceae **Tsnum:** 03017
Common Name: June Snow Dogwood
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/27/2013

Plant Habit: Broad oval

Plant Height: 10-15 ft.

Plant Width: 18-25 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice growth habit, structure. New foliage emerges in shapes similar to tongues of fire and is very interesting by itself. Tolerant of drier conditions on edge of arboretum. Fall color was dark red on half of foliage and contrasted nicely with

Observation Date of Flowers: 5/22/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 70-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers accentuate branching structure.

Fall Color or Fruit: Fall color

Date of observation: 9/18/2007

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: Dark red/maroon

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus drummondii *Variety:* -0-
Cultivar: -0- *Family:* Cornaceae *Tsnum:* 88109
Common Name: Dogwood
Source: USDA/NC-7, Ames, IA *Quantity observed:* 3 *PI #:* PI495604

Observation Date of Plant: 10/8/2012
Plant Habit: Broad oval
Plant Height: 8-12 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would look better if they had more space.

Observation Date of Flowers: 6/19/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus drumondii **Variety:**
Cultivar: **Family:** Cornaceae **Tsnum:** 03150
Common Name: Dogwood
Source: Texas **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval
Plant Height: 4-5 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Planted at edge of arboretum where irrigation is less uniform.

Nuisances:

Recommended: No

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Cornus hesseyii **Variety:**
Cultivar: Golden Glow **Family:** Cornaceae **Tsnum:** 08126
Common Name: Golden Glow Dogwood
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/5/2012

Plant Habit: Round to irregular

Plant Height: 3-4 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 1-3 ft.

Foliage Color: Light green to light yellow

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus kousa **Variety:**
Cultivar: Samzam **Family:** Cornaceae **Tsnum:** 11012
Common Name: Samaritan Dogwood
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/9/2012

Plant Habit: Upright oval

Plant Height: 3-8 in.

Plant Width: 3-4 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend but looked good the first year.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus kousa **Variety:**
Cultivar: Schmred **Family:** Cornaceae **Tsnum:** 08003
Common Name: Heart Throb Dogwood
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 4-5 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 1-3 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Planted at edge of arboretum where irrigation is less uniform.

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend. Low vigor may be related to dry summer and need for greater irrigation.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Rosey red turns to a deep, dark red.

Date of observation: 10/9/2013

Persistence: 2-3 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus kousa **Variety:**
Cultivar: Summer Fun **Family:** Cornaceae **Tsnum:** 12033
Common Name: Summer Fun Dogwood
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus mas **Variety:**
Cultivar: 25499 **Family:** Cornaceae **Tsnum:** 03025
Common Name: Cornelian Cherry Dogwood
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **PI #:** 25499

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 4-6 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Looks healthy but maybe in too much shade to set fruit.

Observation Date of Flowers: 3/18/2012

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: No flowers in 2012.

% of Flower Coverage: No flowers in 2012.

Bloom Stage: No flowers in 2012.

Fruit Present:

Comments on Flowers: No flowers in 2012.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus mas **Variety:** -0-
Cultivar: Golden Glory **Family:** Cornaceae **Tsnum:** 86153
Common Name: Golden Glory Corneliancherry Dogwood
Source: Synnestvedt Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Round

Plant Height: 8-10 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 6 - 12 in.

Foliage Color: Dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good to fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Getting too much shade from surrounding plants which is reducing vigor and height.

Observation Date of Flowers: 3/21/2013

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present: no

Comments on Flowers: Plants in shade have few flowers.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus pumila **Variety:**
Cultivar: **Family:** Cornaceae **Tsnum:** 98067
Common Name: Dogwood
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** Ames 21899

Observation Date of Plant: 10/5/2012
Plant Habit: Broad oval to irregular
Plant Height: 5-7 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: One of two plants is declining and may die but second looks good.

Observation Date of Flowers: 6/19/2006

Flower Color: n/a

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers: No signs of flowers in 2006.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus racemosa **Variety:** -0-
Cultivar: -0- **Family:** Cornaceae **Tsnum:** 91113
Common Name: Gray Dogwood
Source: Schichtel's Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 10-15 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Tree form has severe suckering and needs frequent pruning. Better grown as a shrub.

Observation Date of Flowers: 6/5/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus racemosa **Variety:** -0-
Cultivar: -0- **Family:** Cornaceae **Tsnum:** 80398
Common Name: Gray Dogwood
Source: Unknown **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Broad oval

Plant Height: 7-9 ft.

Plant Width: 10-15 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Use only in shrub form - tree form has severe suckering.

Observation Date of Flowers: 6/13/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: One of the showier dogwoods for this area.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Cornus racemosa **Variety:**
Cultivar: Emerald **Family:** Cornaceae **Tsnum:** 98078
Common Name: Snow Cap Gray Dogwood
Source: North Dakota State University **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/8/2012

Plant Habit: Round

Plant Height: 4-6 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Dark green, glossy

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Inadequate irrigation system.

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Would probably look fine in a landscape with a normal irrigation system.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present: Yes

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus sanguinea **Variety:**
Cultivar: 25500 **Family:** Cornaceae **Tsnum:** 02032
Common Name: Blood-twigg Dogwood
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **PI #:** 25500

Observation Date of Plant: 10/8/2012

Plant Habit: Upright oval

Plant Height: 7-10 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Two plants are getting too much shade from nearby tree but third looks good.

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2003.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus sanguinea **Variety:**
Cultivar: 25501 **Family:** Cornaceae **Tsnum:** 02033
Common Name: Blood-twigg Dogwood
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** 25501

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval to round
Plant Height: 6-8 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Has some leaf scorch probably from inadequate irrigation at edge of arboretum.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus sericea *Variety:* sericea
Cultivar: Bud's Yellow *Family:* Cornaceae *Tsnum:* 99026
Common Name: Bud's Yellow Dogwood
Source: USDA/NC-7, Ames, IA *Quantity observed:* 3 *PI #:* Ames 24553

Observation Date of Plant: 10/5/2012

Plant Habit: Broad oval

Plant Height: 4-7 ft.

Plant Width: 8-11 ft.

Current Seasons Growth: 4-10 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Plant in full sun looks much better than two in part shade.

Observation Date of Flowers: 5/15/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus sericea **Variety:** -0-
Cultivar: Cardinal **Family:** Cornaceae **Tsnum:** 87092
Common Name: Cardinal Redosier Dogwood
Source: Bailey Nurseries **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/8/2012
Plant Habit: Broad oval
Plant Height: 6 - 8 ft.
Plant Width: 10-14 ft
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Fair
Insect Pests: Aphids
Pest Severity: Minor injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Rosy color twigs are very attractive. Appearance was better when it had more sunlight and before nearby plants grew too large.

Observation Date of Flowers: 5/31/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 40-60%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus sericea
Cultivar: Isanti
Common Name: Isanti Redosier Dogwood
Source: Jewell Nursery, Inc.

Variety: -0-
Tsnum: 80037
Family: Cornaceae
Quantity observed: 2
PI #: -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Mounding to broad oval
Plant Height: 5-7 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 1-2 ft

Foliage Color: Medium to dark green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Irrigation at edge of arboretum is non-uniform.

Nuisances:

Recommended: Yes

Comments on plant: Will colonize surrounding area if given the chance.

Observation Date of Flowers: 6/2/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cornus sericea sericea **Variety:**
Cultivar: Ruby **Family:** Cornaceae **Tsnum:** 97080
Common Name: Redosier Dogwood
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** -

Observation Date of Plant: 10/5/2012
Plant Habit: Broad oval
Plant Height: 3-4.5 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests: Aphids

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Stems are attractive but growth habit is a little leggy.

Observation Date of Flowers: 5/31/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Cornus stolonifolia **Variety:**
Cultivar: Artic Fire **Family:** Cornaceae **Tsnum:** 05083
Common Name: Arctic Fire Dogwood
Source: Proven Winners **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/5/2012
Plant Habit: Round
Plant Height: 3-4 ft.
Plant Width: 3-4.5 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Compact growth habit is better than most Cornus.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Corylus americana **Variety:** -0-
Cultivar: -0- **Family:** Betulaceae **Tsnum:** 78149
Common Name: American Filbert
Source: Fort Collins Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/26/2013

Plant Habit: Broad oval

Plant Height: 20-25 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Shrub border, possibly a small multi-stem tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Not a plant for most landscapes due to size.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Corylus americana **Variety:**
Cultivar: Sun Harvest **Family:** Betulaceae **Tsnum:** 10023
Common Name: Sun Harvest American Filbert
Source: Forrest Keeling Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/26/2013

Plant Habit: Young, undefined

Plant Height: 3-4 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 6-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Corylus avellana *Variety:* -0-
Cultivar: -0- *Family:* Betulaceae *Tsnum:* 81224
Common Name: European Filbert
Source: Smith Nursery Co. *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/26/2013

Plant Habit: Round to upright oval

Plant Height: 15-20 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Dark green

Bark Characteristics: Not very important

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair to good

Landscape Uses: Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Corylus colurna **Variety:**
Cultivar: **Family:** Betulaceae **Tsnum:** 96134
Common Name: Turkish Filbert
Source: Schichtel's Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/26/2013

Plant Habit: Upright oval, narrow

Plant Height: 24-30 ft.

Plant Width: 10-15 ft

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: An attractive tree but a second tree suddenly died without symptoms and from unknown cause. Sudden death may be substantial reason for concern for widespread use.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Cotinus coggyria **Variety:**
Cultivar: Young Lady **Family:** Anacardiaceae **Tsnum:** 09065
Common Name: Young Lady Smokebush
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/3/2013

Plant Habit: Irregular

Plant Height: 1-2 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 3-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Low vigor may be due to shade from nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotinus coggygria **Variety:**
Cultivar: 69997 **Family:** Anacardiaceae **Tsnum:** 02034
Common Name: Smokebush
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** 69997

Observation Date of Plant: 10/2/2013
Plant Habit: Irregular
Plant Height: 4-5.5 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. One plant that seems to have been damaged by snow and lost half of canopy in 2008 is slowly regaining form.

Observation Date of Flowers: 7/30/2007

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers: No sign of flowers in 2007 - may be in too much shade.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotinus coggygria **Variety:** -0-
Cultivar: Nordine Red **Family:** Anacardiaceae **Tsnum:** 81190
Common Name: Nordine Red Smokebush
Source: Inter-State Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/5/2013

Plant Habit: Irregular

Plant Height: 10-15 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Deformed some by snow load in 2009.

Observation Date of Flowers: 6/15/2007

Flower Color: Dark red

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers are a darker red and more numerous in full sun. Very showy and long lasting.

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Purple

Date of observation: 10/28/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotinus coggygria **Variety:**
Cultivar: Pink Champagne **Family:** Anacardiaceae **Tsnum:** 98053
Common Name: Pink Champagne Smoke Bush
Source: Sjulín Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/5/2013

Plant Habit: Irregular to broad oval

Plant Height: 5-6 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 6/15/2007

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers: No sign of flowers in 2007 - may be in too much shade.

Fall Color or Fruit: Fall color

Date of observation: 10/28/2003

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: orange, red, deep wine

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotinus coggygria **Variety:** -0-
Cultivar: Pink Princess **Family:** Anacardiaceae **Tsnum:** 81225
Common Name: Pink Princess Smokebush
Source: Smith Nursery Co. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2013
Plant Habit: Irregular
Plant Height: 8 - 10 ft.
Plant Width: 15 - 20 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Getting a little leggy over time

Observation Date of Flowers: 6/15/2007
Flower Color: Light pink
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 60-80%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Flowers are smaller and more compact than Cotinus 'Nordine Red' but are still showy.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotinus coggygria **Variety:** -0-
Cultivar: Purple Supreme **Family:** Anacardiaceae **Tsnum:** 81191
Common Name: Purple Supreme Smokebush
Source: Inter-State Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/5/2013

Plant Habit: Irregular

Plant Height: 10-12 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Purple/green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Does not get as purple with shade. Getting leggy and would probably look better with pruning.

Observation Date of Flowers: 6/15/2007

Flower Color: Purple/red

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 20-40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Relatively few flowers and only moderately showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotinus coggygria **Variety:** 0
Cultivar: Velvet Cloak **Family:** Anacardiaceae **Tsnum:** 03167
Common Name: Velvet Cloak Smokebush
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/3/2013

Plant Habit: Broad oval

Plant Height: 1-2 ft.

Plant Width: 2-4 ft.

Current Seasons Growth: 4-10 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Slow to gain size - possibly in too much shade.

Observation Date of Flowers: 6/15/2007

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers: No sign of flowers in 2007 - may be in too much shade.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotinus obovatus **Variety:**
Cultivar: **Family:** Anacardiaceae **Tsnum:** 94043
Common Name: American Smoketree
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/5/2013

Plant Habit: Upright oval

Plant Height: 25-35 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium blue/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shade

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This specimen is growing a little one sided due to neighboring tree. Foliage shape is attractive and bark is interesting and looks a little like dripping wax.

Observation Date of Flowers: 6/15/2007

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers: No sign of flowers in 2007 - never has been very showy compared to the bush forms.

Fall Color or Fruit: Fall color

Date of observation: 10/6/2008

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: Yellow, some light red

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Cotinus obovatus **Variety:**
Cultivar: **Family:** Anacardiaceae **Tsnum:** 12026
Common Name: American Smoketree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/7/2013

Plant Habit: Upright oval

Plant Height: 5-6 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 4-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, street tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotoneaster adpressus **Variety:** praecox
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 88193
Common Name: Creeping Cotoneaster
Source: Hines Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Spreading

Plant Height: 1 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Appears to be recovering from previous problems.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotoneaster apiculatus *Variety:*
Cultivar: *Family:* Rosaceae *Tsnum:* 12018
Common Name: Cranberry Cotoneaster
Source: Forrest Keeling Nursery *Quantity observed:* 3 *PI #:*

Observation Date of Plant: 10/8/2013

Plant Habit: Spreading

Plant Height: 6-12 in.

Plant Width: 2-3 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, ground cover

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotoneaster dammerii **Variety:**
Cultivar: Nordic Carpet **Family:** Rosaceaa **Tsnum:** 12064
Common Name: Nordic Carpet Cotoneaster
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/6/2013

Plant Habit: Creeping

Plant Height: 1-2 in.

Plant Width: 1-2 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, ground cover

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotoneaster ignavus *Variety:*
Cultivar: *Family:* Rosaceae *Tsnum:* 00156
Common Name: Sezchuan Fire Cotoneaster
Source: Fort Collins Nursery *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/8/2013

Plant Habit: Upright oval to round

Plant Height: 6-8 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Needs a little pruning to keep pleasing shape.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Cotoneaster ignavus *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 78151
Common Name: Cotoneaster
Source: Unknown *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Round to broad oval

Plant Height: 8-12 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotoneaster integerrimus *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 87093
Common Name: European Cotoneaster
Source: Bailey Nurseries *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Broad oval

Plant Height: 8-10 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotoneaster integerrimus **Variety:** -0-
Cultivar: Centennial **Family:** Rosaceae **Tsnum:** 89153
Common Name: Cotoneaster
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Round

Plant Height: 8 - 11 ft.

Plant Width: 10-14 ft

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Aesthetics would be better if not for thin canopy.

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Tiny flowers.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
 at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Cotoneaster lucidus *Variety:*
Cultivar: *Family:* Rosaceae *Tsnum:* 07073
Common Name: Peking Cotoneaster
Source: Carlton Plants *Quantity observed:* 3 *PI #:*

Observation Date of Plant: 10/8/2013
Plant Habit: Round
Plant Height: 4-5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Planted in 2009. Growth habit is a little random but may improve as it matures.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotoneaster moupinensis **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 78152
Common Name: Cotoneaster
Source: USDA/NC-7 **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Broad oval

Plant Height: 8 - 10 ft.

Plant Width: 10 - 20 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotoneaster racemiliflora soongoricus **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 97255
Common Name: Sungari Rockspray Cotoneaster
Source: Fort Collins Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Upright oval to round

Plant Height: 6-7 ft.

Plant Width: 6 - 8 ft

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is a little leggy.

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 26-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/9/2003

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: dark red, dark oranges

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cotoneaster shansiensis
Cultivar: Index Seminum 1241 **Family:** Rosaceae
Common Name: Seminum Cotoneaster
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** Ames 22853

Variety:
Tsnum: 08066

Observation Date of Plant: 10/8/2013

Plant Habit: Young, undefined

Plant Height: 3-5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Crataegus **Variety:** -0-
Cultivar: Crusader **Family:** Rosaceae **Tsnum:** 91133
Common Name: Crusader Hawthorne
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Round to broad oval

Plant Height: 8 - 12 ft.

Plant Width: 8 - 12 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests: Mealy bugs

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Suckering slightly

Recommended: Yes

Comments on plant: Severe mealy bug problem in past but was treated with Safari and looks much better in 2013.

Observation Date of Flowers: 5/24/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Golden yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Crataegus ambigua **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 11114
Common Name: Russian Hawthorn
Source: Garden and Home Show **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Crataegus ambigua **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 90034
Common Name: Russian Hawthorn
Source: Fort Collins Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Round

Plant Height: 12-18 ft.

Plant Width: 14-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests: Mealy bugs

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fruit is attractive, dark red and shiny. Foliage is attractive and more finely cut than most Crataegus.

Observation Date of Flowers: 5/17/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Crataegus arnoldiana **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 82189
Common Name: Hawthorn
Source: Fort Collins Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Irregular to round

Plant Height: 15-20 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Rust

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 5/2/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: golden yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Crataegus crugalli **Variety:** inermis
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 84199
Common Name: Thornless Cockspur Hawthorn
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Round

Plant Height: 10 - 16 ft.

Plant Width: 17-20 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very horizontal branching habit. Glossy foliage. Looks great on the side with more sun.

Observation Date of Flowers: 5/24/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Crataegus crus-galli **Variety:** inermis
Cultivar: Cruzam **Family:** Rosaceae **Tsnum:** 94044
Common Name: Crusader Hawthorn
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2013

Plant Habit: Broad spreading

Plant Height: 6 - 9 ft.

Plant Width: 6-10 ft.

Current Seasons Growth: 3-7 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests: Mealy bugs

Pest Severity: Moderate injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: One tree moved Spring of 2003. Fruit has a waxy haze on surface. Mealy bugs seem to be sapping energy but it has just enough to maintain enough leaves to look okay.

Observation Date of Flowers: 5/24/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow-orange

Date of observation: 10/8/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Crataegus douglasii **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 90035
Common Name: Black Hawthorn
Source: Fort Collins Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Upright oval
Plant Height: 8-14 ft.
Plant Width: 7-12 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Insect Pests: Mealy bugs, aphids
Pest Severity: Slight injury
Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Slight suckering. Cherry red fruit is showy. One of two trees has less vigor due to mealy bugs.

Observation Date of Flowers: 5/17/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 15-20%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Crataegus laevigata **Variety:** -0-
Cultivar: Crimson Cloud **Family:** Rosaceae **Tsnum:** 78155
Common Name: Crimson Cloud English Hawthorn
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/8/2013
Plant Habit: Upright oval to irregular
Plant Height: 15-20 ft.
Plant Width: 15 - 22 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair
Insect Pests: Mealy bugs
Pest Severity: Slight injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 5/17/2006
Flower Color: Red
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Crataegus laevigata **Variety:** -0-
Cultivar: Toba **Family:** Rosaceae **Tsnum:** 78154
Common Name: Toba English Hawthorn
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/8/2013

Plant Habit: Broad oval, multi-stem

Plant Height: 10-12 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests: Mealy bugs

Pest Severity: Moderate injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Showy dark red fruit. Floppy habit and many water sprouts are not attractive.

Observation Date of Flowers: 5/24/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 5-10%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Crataegus monogyna **Variety:** -0-
Cultivar: Stricta **Family:** Rosaceae **Tsnum:** 84180
Common Name: Pyramidal Singleseed Hawthorn
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/8/2013

Plant Habit: Columnar

Plant Height: 15-20 ft.

Plant Width: 6-8 ft

Current Seasons Growth: 1-2 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Poor

Insect Pests: Mealy bugs

Pest Severity: Severe injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Severe mealy bug infestation is resulting in low vigor and decline. Plants are near death.

Observation Date of Flowers: 5/17/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair to good

Fall Color: Red, yellow

Date of observation: 10/14/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Crataegus oxyacantha **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 95052
Common Name: Crimson Cloud Hawthorn
Source: Femrite Nursery Company **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Irregular

Plant Height: 12-17 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 2-4 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Residential street, specimen.

Overall Plant Health: Fair to poor

Insect Pests: Mealy bugs

Pest Severity: Severe injury

Plant Disease: Sooty mold

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Mealy bugs are sapping vigor.

Observation Date of Flowers: 5/24/2006

Flower Color: red

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Crataegus pedicellata *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 77001
Common Name: Hawthorn
Source: Unknown *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/8/2013

Plant Habit: Round

Plant Height: 15 - 20 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests: Mealy bugs

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/29/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: golden yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Crataegus phaenopyrum *Variety:* -0-
Cultivar: Cordata *Family:* Rosaceae *Tsnum:* 88058
Common Name: Cordata Washington Hawthorn
Source: A. McGill & Son Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/8/2013
Plant Habit: Upright oval
Plant Height: 12-18 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Crataegus phaenopyrum **Variety:**
Cultivar: Westwood I **Family:** Rosaceae **Tsnum:** 01021
Common Name: Washington Lustre Hawthorn
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/8/2013

Plant Habit: Upright oval

Plant Height: 12-15 ft.

Plant Width: 6-10 ft.

Current Seasons Growth: 5-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Appears resistant to mealy bugs that cause problems on many other Crataegus.
Very attractive growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: red, dark red

Date of observation: 10/16/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Crataegus rivularis *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 82190
Common Name: Hawthorn
Source: Fort Collins Nursery *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 15-20 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Barrier (thorns), Specimen, Small/confined areas

Overall Plant Health: Fair

Insect Pests: Mealy bugs

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor reduced due to mealy bug infestation in past but treated with Safari in 2011 and worked well. Slight suckering.

Observation Date of Flowers: 5/3/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow, red

Date of observation: 10/9/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Crataegus species **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 82191
Common Name: Hawthorn
Source: Fort Collins Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Round to upright oval
Plant Height: 15-18 ft.
Plant Width: 15 -20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Barrier (thorns), Specimen, Small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage is relatively large.

Observation Date of Flowers: 5/2/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 40-60%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Crataegus succulenta **Variety:** -0-
Cultivar: Macrantha **Family:** Rosaceae **Tsnum:** 82188
Common Name: Macrantha Fleshy Hawthorn
Source: Fort Collins Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/8/2013

Plant Habit: Broad oval

Plant Height: 8-10 ft.

Plant Width: 12-18 ft

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Barrier (thorns), Specimen, Small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 5/17/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Crataegus x mordenensis **Variety:** -0-
Cultivar: Snowbird **Family:** Rosaceae **Tsnum:** 87084
Common Name: Snowbird Hawthorn
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/8/2013

Plant Habit: Round

Plant Height: 15 - 20 ft.

Plant Width: 20-27 ft.

Current Seasons Growth: 3 - 6 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests: Mealy bugs

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 5/8/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cupressus arizonica *Variety:*
Cultivar: *Family:* Cupressaceae *Tsnum:* 97266
Common Name: Arizona Cypress
Source: Fort Collins Nursery *Quantity observed:* 4 *PI #:*

Observation Date of Plant: 7/20/2011

Plant Habit: Pyramidal

Plant Height: 15-20 ft.

Plant Width: 15-22 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Blue/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Cytisus purgans **Variety:**
Cultivar: **Family:** Fabaceae **Tsnum:** 11118
Common Name: Spanish Gold Broom
Source: Garden and Home Show **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Round

Plant Height: 10-12 in.

Plant Width: 10-15 in.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers: 5/25/2011

Flower Color: Yellow

Flower Type: Single

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Daphne x burkwoodii **Variety:**
Cultivar: Carol Mackie **Family:** Thymelaeaceae **Tsnum:** 96101
Common Name: Carol Mackie Daphne
Source: Jewell Nursery, Inc. **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Broad oval

Plant Height: 3-5 ft.

Plant Width: 4 - 7 ft.

Current Seasons Growth: 6 - 10 in.

Foliage Color: Variegated medium green with cream colored edges

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Excellent

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This plant has terrific foliage aesthetics and excellent flowering.

Observation Date of Flowers: 4/25/2006

Flower Color: White to lavender/pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Excellent show and fabulous fragrance.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Deutzia glabrata **Variety:**
Cultivar: 70067 **Family:** Hydrangeaceae **Tsnum:** 02035
Common Name: Deutzia
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** 70067

Observation Date of Plant: 9/26/2012
Plant Habit: Round
Plant Height: 3-4.5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Light to medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2005. There is minor chlorosis on a few branch tips.

Observation Date of Flowers: 5/22/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair to good

% of Flower Coverage: 20-30%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Will probably have more flowers as it becomes further established.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Deutzia scabra **Variety:** -0-
Cultivar: Godsall **Family:** Saxifragaceae **Tsnum:** 89123
Common Name: Godsall Pink Deutzia
Source: Bailey Nurseries **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/27/2012
Plant Habit: Upright oval becoming round
Plant Height: 7-9 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 3-6 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Two plants were rejuvenated in 2007 and are coming back strong. The third was done in 2009 and also has good vigor.

Observation Date of Flowers: 7/2/2003

Flower Color: Pink/White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Deutzia scabra **Variety:** -0-
Cultivar: Pride of Rochester **Family:** Saxifragaceae **Tsnum:** 85169
Common Name: Pride of Rochester Fuzzy Deutzia
Source: Mount Arbor Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Upright oval to round.

Plant Height: 6-8 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 2-4 ft.

Foliage Color: Light green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One plant died back ~75% during winter of 2007-08 and was rejuvenated in 2008. The other two were done in 2009.

Observation Date of Flowers: 7/2/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present: no

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Deutzia x lemoinei **Variety:** -0-
Cultivar: -0- **Family:** Saxifragaceae **Tsnum:** 83148
Common Name: Slender Deutzia
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Round

Plant Height: 4-5 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Uniform growth habit. Has slight chlorosis and some tip dieback on one plant.

Observation Date of Flowers: 5/25/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Deutzia x lemoinei **Variety:** -0-
Cultivar: Compactum **Family:** Saxifragaceae **Tsnum:** 82123
Common Name: Compact Lemoine Deutzia
Source: Mount Arbor Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/27/2012

Plant Habit: Round

Plant Height: 6-8 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Seems to have much less tip dieback than most Deutzia but one has some old tips still visible. Has slight chlorosis.

Observation Date of Flowers: 5/25/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 85-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Diervilla lonicera *Variety:* -0-
Cultivar: -0- *Family:* Caprifoliaceae *Tsnum:* 82228
Common Name: Bush Honeysuckle
Source: Cross Nurseries Inc. *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Broad oval

Plant Height: 3-4 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Entire plant is chlorotic.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Diervilla sessilifolia **Variety:**
Cultivar: LPDC Podaras **Family:** Caprifoliaceae **Tsnum:** 12065
Common Name: Variegated Dwarf Buch Honeysuckle
Source: Bailey Nurseries **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Round

Plant Height: 2 ft.

Plant Width: 2 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Variegated, dark green with white around edge

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend. Attractive variegated foliage but only on half the leaves.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Diospyros virginiana *Variety:* -0-
Cultivar: -0- *Family:* Ebenaceae *Tsnum:* 93061
Common Name: Common Persimmon
Source: Forrest Keeling Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/28/2012
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Regained vigor but getting crowded by neighboring plant. Foliage is very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Diospyros virginiana **Variety:**
Cultivar: Ames 29625 **Family:** Ebenaceae **Tsnum:** 11006
Common Name: Common Persimmon
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** Ames 29625

Observation Date of Plant: 10/3/2013

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: *Elaeagnus angustifolia* **Variety:** -0-
Cultivar: -0- **Family:** *Elaeagnaceae* **Tsnum:** 82131
Common Name: Russian Olive
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 8/27/2012

Plant Habit: Irregular

Plant Height: 20 - 25 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Gray/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, difficult sites

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: May become a noxious weed in moist areas.

Recommended: Marginal

Comments on plant: Can be invasive in wet areas. Flowers are very fragrant but not very showy. Foliage is a very attractive color. Starting to collect a lot of old dead branches - some foliage wilting from possible cankers on branches.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: silver

Date of observation: 9/20/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: *Elaeagnus umbellata* **Variety:**
Cultivar: Cardinal **Family:** *Elaeagnaceae* **Tsnum:** 94126
Common Name: Cardinal Autumn Olive
Source: Forrest Keeling Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/17/2012

Plant Habit: Irregular to round

Plant Height: 12-15 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium olive green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, difficult sites

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: canker

Disease Severity: Killed major branch which was 15-20% of canopy in 2010 but nothing more in 201

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: It suckers. Fruit is showier than E. 'Michigan 777' .

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 9/20/2004

Persistence: 1-3 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Ephedra equisetina **Variety:**
Cultivar: **Family:** Ephedraceae **Tsnum:** 03160
Common Name: Bluestem Joint Fir
Source: Fort Collins Nursery **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Broad oval

Plant Height: 2 - 3.5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Blue/grey

Bark Characteristics: Important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2003. Doing fine in partial sun area.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: *Eucommia ulmoides* **Variety:**
Cultivar: **Family:** *Eucommiaceae* **Tsnum:** 98023
Common Name: Hardy Rubber Tree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/1/2012

Plant Habit: Upright oval

Plant Height: 8-10 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 2-3 ft

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Generally lacks vigor except the plant put a lot of growth into central leader while the rest of the canopy looks thin and weak. All plants have some dieback. One tree has 50% of branches that seem to be fighting cankers.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Euonymus alatus **Variety:**
Cultivar: Rudy Haag **Family:** Celastraceae **Tsnum:** 00073
Common Name: Rudy Haag Burning Bush
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/30/2013

Plant Habit: Round

Plant Height: 3-4 ft.

Plant Width: 4-4.5 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: red, bright

Date of observation: 10/21/2005
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Euonymus alatus **Variety:**
Cultivar: Timber Creek **Family:** Celastraceae **Tsnum:** 02014
Common Name: Chicago Fire Burning Bush
Source: Sjulín Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/30/2013

Plant Habit: Upright oval to round

Plant Height: 6-8 ft.

Plant Width: 6-9 ft

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: red, bright

Date of observation: 10/12/2011
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Euonymus alatus **Variety:**
Cultivar: TREE FORM **Family:** Celastraceae **Tsnum:** 09070
Common Name: Winged Burning Bush-tree
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/27/2013

Plant Habit: Round

Plant Height: 6-7 ft.

Plant Width: 3-4.5 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, patio tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Euonymus bungeana **Variety:** -0-
Cultivar: North Platte **Family:** Celastraceae **Tsnum:** 77005
Common Name: North Platte Winterberry Euonymus
Source: Unknown **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Broad oval, irregular

Plant Height: 15 - 20 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Light green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small tree or large shrub

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fruit is pink and not as abundant as Euonymus 'Pink Lady'.

Observation Date of Flowers: 6/2/2003

Flower Color: Green/White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: light creamy, yellow,
light pink, reddish

Date of observation: 10/24/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Euonymus bungeana **Variety:** -0-
Cultivar: Pink Lady **Family:** Celastraceae **Tsnum:** 78017
Common Name: Pink Lady Winterberry Euonymus
Source: Los Lunas Plant Material **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Round

Plant Height: 12-17 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fruit is a very showy pink. Very attractive small tree with no problems. One specimen seems more compact than the other specimen.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Euonymus bungeana **Variety:** -0-
Cultivar: Pink Lady **Family:** Celastraceae **Tsnum:** 78004
Common Name: Pink Lady Winterberry Euonymus
Source: Rose Lake Plant Material **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval, irregular

Plant Height: 18-24 ft.

Plant Width: 18 - 25 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fruit is a very showy pink. Very attractive small tree with no problems. Lost a branch due to storm damage and growth habit is less broad than before.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: light yellow

Date of observation: 10/24/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Euonymus bungeana **Variety:**
Cultivar: Verona **Family:** Celastraceae **Tsnum:** 07033
Common Name: Prairie Radiance Winterberry
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/30/2013

Plant Habit: Broad oval

Plant Height: 4-6 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 12-36 in.

Foliage Color: Light to medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, large shrub

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Euonymus bungeana **Variety:**
Cultivar: Verona **Family:** Celastraceae **Tsnum:** 98080
Common Name: Autumn radiance Euonymus
Source: North Dakota State University **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/1/2013

Plant Habit: Broad oval

Plant Height: 6-8 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Light to medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, large shrub

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Rosey red/yellow

Date of observation: 10/16/2013

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: *Euonymus europaeus* **Variety:** -0-
Cultivar: -0- **Family:** Celastraceae **Tsnum:** 77004
Common Name: European Euonymus
Source: Unknown **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2013
Plant Habit: Irregular, upright
Plant Height: 8-12 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 10-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Had to remove a lot of dead wood (>50%) in 2003 and only a few stems are coming back with any vigor. Looks leggy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

| | |
|--|--|
| Fall Color or Fruit: Fall color | Date of observation: 10/28/2008 |
| Aesthetics: Good | Persistence: 1-2 weeks |
| Fall Color: yellow | |

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Euonymus europaeus *Variety:* -0-
Cultivar: Aldenhamensis *Family:* Celastraceae *Tsnum:* 81223
Common Name: Euonymus
Source: Smith Nursery Co. *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 9/27/2013

Plant Habit: Broad oval

Plant Height: 14-17 ft.

Plant Width: 15-25 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Euonymus fortunei **Variety:**
Cultivar: Canadale Gold **Family:** Celastraceae **Tsnum:** 95010
Common Name: Canadale Gold Euonymus
Source: Oregon Garden Products **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/9/2012

Plant Habit: Irregular

Plant Height: 2-4 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Variegated

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Crowded by nearby plants.

Nuisances:

Recommended: Yes

Comments on plant: The specimen observed is competing for space and may get bigger if given the room. May not be as tall if not leaning against nearby plant.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Euonymus fortunei **Variety:** -0-
Cultivar: Dart's Blanket **Family:** Celastraceae **Tsnum:** 80105
Common Name: Dart's Blanket Wintercreeper Euonymus
Source: Monrovia Growers **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Spreading

Plant Height: 1.5 - 3 ft.

Plant Width: 6 - 10 ft

Current Seasons Growth: 1 - 3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Ground cover

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Euonymus fortunei **Variety:** -0-
Cultivar: Emerald Gaiety **Family:** Celastraceae **Tsnum:** 89138
Common Name: Emerald Gaiety Euonymus
Source: Zelenka Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Spreading

Plant Height: 6-12 in.

Plant Width: 5-7 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Variegated, medium green with white edges

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Shrub border, ground cover

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Crowded by surrounding plants

Nuisances:

Recommended: Yes

Comments on plant: Variegated leaf color is quite striking for a shady location.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Euonymus fortunei **Variety:**
Cultivar: Sarcoxie **Family:** **Tsnum:** 13119
Common Name: Sarcoxie Wintercreeper
Source: **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/30/2013
Plant Habit: Young, undefined
Plant Height: 1 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 3-4 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend. Would probably look better if it had not been forced into leaf for Garden and Home show.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Euonymus fortunei **Variety:** radicans
Cultivar: Sarcoxie **Family:** Celastraceae **Tsnum:** 80167
Common Name: Sarcoxie Wintercreeper Euonymus
Source: American Nursery Product/Mi **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Broad oval

Plant Height: 5-7 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Shady areas, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit can appear leggy but would look fine with a little regular pruning each year.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Euonymus turkensis **Variety:** -0-
Cultivar: Nana **Family:** Celastraceae **Tsnum:** 78159
Common Name: Dwarf Turkish Euonymus
Source: Unknown **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/30/2013
Plant Habit: Upright oval becoming round
Plant Height: 3.5-5 ft.
Plant Width: 4-6 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Dark to medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in 2010.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Exochorda serratifolia **Variety:**
Cultivar: Northern Pearls **Family:** Rosaceae **Tsnum:** 01038
Common Name: Northern Pearls Pearlbrush
Source: Bailey Nurseries **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/9/2013
Plant Habit: Upright oval becoming round
Plant Height: 8-11 ft.
Plant Width: 8-11 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2005. Flowers are impressive.

Observation Date of Flowers: 4/26/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 50-75%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Large flowers with nice shape are very showy.

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fagus sylvatica **Variety:**
Cultivar: Asplenifolia **Family:** Fagaceae **Tsnum:** 04045
Common Name: Fern-leaf Beech
Source: Schichtel's Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/6/2013
Plant Habit: Upright oval becoming round
Plant Height: 8-12 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: specimen, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Yellow

Date of observation: 10/28/2013
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fagus sylvatica *Variety:* -0-
Cultivar: Atropurpurea *Family:* Fagaceae *Tsnum:* 82167
Common Name: European Beech
Source: Amfac Nurseries California *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval

Plant Height: 15-25 ft.

Plant Width: 15-25 ft

Current Seasons Growth: 10-15 in.

Foliage Color: Dark green with red/purple shading

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, screen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fagus sylvatica **Variety:**
Cultivar: Red Obelisk **Family:** Ericaceae **Tsnum:** 96048
Common Name: Red Obelisk Beech
Source: Oregon Garden Products **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/6/2013
Plant Habit: Columnar
Plant Height: 12-18 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Red/dark green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, screen, narrow/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage is dark green with shades of dark red.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Excellent
Fall Color: Yellow/gold

Date of observation: 10/28/2008
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fagus sylvatica **Variety:** -0-
Cultivar: Riversii **Family:** Betulaceae **Tsnum:** 78160
Common Name: Rivers European Beech
Source: Siebenthaler Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/6/2013
Plant Habit: Vase to upright oval
Plant Height: 30-37 ft.
Plant Width: 15-25 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Purple
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, screen, narrow/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Large, inactive canker wound has significant decay in trunk which will eventually cause structural problems.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fagus sylvatica **Variety:** -0-
Cultivar: Roseo-marginata **Family:** Fagaceae **Tsnum:** 82168
Common Name: European Beech
Source: Amfac Nurseries California **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval to round

Plant Height: 20-30 ft.

Plant Width: 20-28 ft.

Current Seasons Growth: 6-12 in

Foliage Color: Variegated, dark green with white and green margins

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage color is stunning in spring with green, white and some pink.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Mostly burnt yellow but
some orange

Date of observation: 10/28/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fagus sylvatica **Variety:**
Cultivar: Spaethiana **Family:** Fagaceae **Tsnum:** 95035
Common Name: Spaeth's Purple Beech
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2013
Plant Habit: Upright oval to pyramidal
Plant Height: 20-30 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Dark green/red
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fallugia paradoxa **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 03163
Common Name: Apache Plume
Source: Fort Collins Nursery **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Broad oval to irregular

Plant Height: 4-5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: A good plant for tough sites.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Will continue to bloom throughout the summer at a slower rate but seed plumes are very showy and extend interest.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fontanesia fortunei *Variety:* -0-
Cultivar: -0- *Family:* Oleaceae *Tsnum:* 88009
Common Name: Fortune Fontanesia
Source: OE White Research Arboretu *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 10-14 ft.

Plant Width: 10-14 ft

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fontanesia fortunei **Variety:** -0-
Cultivar: Titan **Family:** Oleaceae **Tsnum:** 90015
Common Name: Titan Fontanesia
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Upright oval
Plant Height: 20-25 ft.
Plant Width: 15-22 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Shrub border, screen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fine foliage and growth habit seems to give somewhat of a tropical appearance.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forestiera neomexicana *Variety:*
Cultivar: *Family:* Oleaceae *Tsnum:* 96069
Common Name: Desert Olive
Source: USDA/NC-7, Ames, IA *Quantity observed:* 1 *PI #:* -

Observation Date of Plant: 10/9/2013

Plant Habit: Broad oval

Plant Height: 7-10 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forestiera neomexicana *Variety:* -0-
Cultivar: -0- *Family:* Oleaceae *Tsnum:* 78016
Common Name: Desert Olive
Source: Los Lunas Plant Material *Quantity observed:* 4 *PI #:* -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Round becoming broad oval
Plant Height: 14-20 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border, small tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has interesting bark if pruned into a small tree. Stems seem to lean outward with age.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: No petals - just anthers, so the flower isn't too showy.

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forestiera neomexicana **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 87196
Common Name: Desert Olive
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** PI495889

Observation Date of Plant: 10/9/2013

Plant Habit: Upright, irregular

Plant Height: 8 - 11 ft.

Plant Width: 8 - 10 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border, small tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has interesting bark if pruned into a small tree. Stems seem to lean outward with age.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia *Variety:*
Cultivar: Fiesta *Family:* Oleaceae *Tsnum:* 03119
Common Name: Fiesta Forsythia
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/7/2013

Plant Habit: Irregular

Plant Height: 5-6 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 4-5 ft.

Foliage Color: Green/yellow variegation

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Unique foliage color.

Observation Date of Flowers: 3/27/2012

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Fair to poor

% of Flower Coverage: 20-25%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia *Variety:* -0-
Cultivar: Northern Gold *Family:* Oleaceae *Tsnum:* 87094
Common Name: Northern Gold Forsythia
Source: Bailey Nurseries *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Irregular

Plant Height: 5 - 8 ft.

Plant Width: 10-12 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of three is slow to come back from rejuvenation in 2007. Second plant was deformed by snow on 10/25/11.

Observation Date of Flowers: 3/27/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 50-65%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia giraldiana **Variety:**
Cultivar: Golden Times **Family:** Oleaceae **Tsnum:** 08024
Common Name: Golden Times Forsythia
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/8/2013

Plant Habit: Irregular

Plant Height: 3 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Variegated, green and yellow

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Variegated foliage helps add interest when not in flower but growth habit is still a little irregular.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia mandshurica **Variety:** -0-
Cultivar: Vermont Sun **Family:** Oleaceae **Tsnum:** 87197
Common Name: Vermont Sun Forsythia
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/6/2013
Plant Habit: Round
Plant Height: 5-6 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage is much larger than most Forsythias and more round. Growth habit is less leggy than other Forsythias. Better fall color than most Forsythia.

Observation Date of Flowers: 3/27/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 20-30%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Never has had many flowers.

Fall Color or Fruit: Fall color

Aesthetics: Good, showy

Fall Color: Yellow

Date of observation: 10/25/2013

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia ovata **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 82132
Common Name: Early Forsythia
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/6/2013
Plant Habit: Irregular
Plant Height: 6 - 8 ft.
Plant Width: 8 - 10 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Two of three have a thin canopy and less vigor. Looks leggier than most.

Observation Date of Flowers: 3/19/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Not as showy as others.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia ovata x europaea **Variety:** -0-
Cultivar: Meadowlark **Family:** Oleaceae **Tsnum:** 84226
Common Name: Meadowlark Border Forsythia
Source: South Dakota State University **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Irregular

Plant Height: 6-8 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 3/20/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Good to excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia spectabilis *Variety:* -0-
Cultivar: Showy Border *Family:* Oleaceae *Tsnum:* 86173
Common Name: Showy Border Forsythia
Source: Forrest Keeling Nursery *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Irregular

Plant Height: 5-7 ft.

Plant Width: 8 - 10 ft.

Current Seasons Growth: 2-4 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 3/26/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Good to excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Relatively shorter petals but a lot of them.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia suspensa *Variety:* -0-
Cultivar: -0- *Family:* Oleaceae *Tsnum:* 83143
Common Name: Weeping Forsythia
Source: Mount Arbor Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/6/2013
Plant Habit: Irregular
Plant Height: 3-5 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 2-3 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Rejuvenated in 2004. Never is very showy and has a poor growth habit.

Observation Date of Flowers: 3/27/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 10-15%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Not many flowers this year and generally a poor performer in the past.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia viridissima **Variety:**
Cultivar: Klein **Family:** Olaeaceae **Tsnum:** 02015
Common Name: Klein Dwarf Forsythia
Source: Sjulín Nurseries **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/6/2013
Plant Habit: Irregular
Plant Height: 4-6 ft
Plant Width: 6-8 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is somewhat more attractive than most Forsythias - less leggy with smaller foliage size.

Observation Date of Flowers: 3/20/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Poor to fair

% of Flower Coverage: 30-40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Never has had many flowers. Only one of three plants has flowers.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia x
Cultivar: 7706-1
Common Name: 7706-1 Forsythia
Source: Sjulín Nurseries

Family: Oleaceae
Quantity observed: 2

Variety:
Tsnum: 95060
PI #:

Observation Date of Plant: 10/7/2013
Plant Habit: Irregular
Plant Height: 5-7 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 1 - 3 ft.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 3/20/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-100%

Bloom Stage: Flowers open

Fruit Present: no

Comments on Flowers: Very dense flowering and a more vibrant color of yellow than most. One of the most dependable and showy in the arboretum.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Forsythia x **Variety:** -0-
Cultivar: New Hampshire Gold **Family:** Oleaceae **Tsnum:** 89147
Common Name: New Hampshire Gold Forsythia
Source: Jewell Nursery, Inc. **Quantity observed:** 7 **PI #:** -0-

Observation Date of Plant: 10/8/2013
Plant Habit: Irregular to broad oval
Plant Height: 5-7 ft.
Plant Width: 6 - 10 ft.
Current Seasons Growth: 1 - 3 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2008. Still looks a little leggy.

Observation Date of Flowers: 3/20/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present: no

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia x **Variety:**
Cultivar: Northern Sun **Family:** Oleaceae **Tsnum:** 94001
Common Name: Northern Sun Forsythia
Source: Sjulín Nurseries **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 9/30/2013

Plant Habit: Irregular

Plant Height: 6 - 8 ft.

Plant Width: 6 - 10 ft.

Current Seasons Growth: 1 - 3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Two of three have been rejuvenated since and lack vigor. They look thin and leggy while third looks good and fairly normal.

Observation Date of Flowers: 3/20/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 65-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia x intermedia **Variety:** -0-
Cultivar: Beatrix Ferrand **Family:** Oleaceae **Tsnum:** 84140
Common Name: Beatrix Ferrand Border Forsythia
Source: Mount Arbor Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/8/2013
Plant Habit: Irregular
Plant Height: 6-9 ft.
Plant Width: 13-18 ft.
Current Seasons Growth: 3 - 5 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good to fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2008.

Observation Date of Flowers: 3/20/2012
Flower Color: yellow
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 70-80%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: This plant might flower better in more sun.

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Forsythia x intermedia *Variety:* -0-
Cultivar: Golden Belle *Family:* Oleaceae *Tsnum:* 86172
Common Name: Golden Belle Border Forsythia
Source: Forrest Keeling Nursery *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/8/2013

Plant Habit: Irregular

Plant Height: 8-12 ft.

Plant Width: 15 - 20 ft.

Current Seasons Growth: 3-5 ft.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Exceptionally vigorous. One of two was rejuvenated in 2008 and has anemic growth and is a fourth of the size of the other plant.

Observation Date of Flowers: 3/23/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers are twice as big as most Forsythia.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia x intermedia **Variety:**
Cultivar: Lynwood Gold **Family:** Oleaceae **Tsnum:** 94006
Common Name: Lynwood Gold Forsythia
Source: Mount Arbor Nursery **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/6/2013

Plant Habit: Irregular

Plant Height: 8 - 10 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 4-6 ft.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor is impressive. Nice dark green foliage.

Observation Date of Flowers: 3/27/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 95-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Large flowers with vibrant color and very abundant.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia x intermedia *Variety:* -0-
Cultivar: Spring Glory *Family:* Oleaceae *Tsnum:* 83203
Common Name: Spring Glory Border Forsythia
Source: Monrovia Growers *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/8/2013

Plant Habit: Irregular

Plant Height: 4-6 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 3-5 ft.

Foliage Color: Dark Green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: May be getting too much shade from nearby trees.

Nuisances:

Recommended: Marginal

Comments on plant: Rejuvenated in 2008. Looks very leggy still in 2013.

Observation Date of Flowers: 3/23/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Forsythia x intermedia **Variety:** -0-
Cultivar: Sunrise **Family:** Oleaceae **Tsnum:** 82124
Common Name: Sunrise Border Forsythia
Source: Mount Arbor Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Irregular

Plant Height: 4-6 ft.

Plant Width: 10-12 ft.

Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 3/21/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Relatively shorter petals but a lot of them.

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Bronze/purple

Date of observation: 10/28/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus **Variety:**
Cultivar: Northern Treasure **Family:** Oleaceae **Tsnum:** 00068
Common Name: Northern Treasure Ash
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/8/2013
Plant Habit: Upright oval
Plant Height: 35-45 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably be wider and look better if not crowded by neighboring trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: yellow

Date of observation: 9/20/2004
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus americana **Variety:** -0-
Cultivar: Autumn Applause **Family:** Oleaceae **Tsnum:** 91070
Common Name: Autumn Applause White Ash
Source: A. McGill & Son Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval becoming round
Plant Height: 15-20 ft.
Plant Width: 15 -20 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good to fair
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests: Borers
Pest Severity: Slight injury
Plant Disease: Canker
Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Moved in 2003 due to unavoidable construction. Canopy looks fine but canker wounds on upper main trunk killed central leader. Lower laterals are taking over - growth habit is skewed. Still looks okay generally.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 9/20/2004
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: purple

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus americana *Variety:* -0-
Cultivar: Autumn Blaze *Family:* Oleaceae *Tsnum:* 86155
Common Name: Autumn Blaze White Ash
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/8/2013

Plant Habit: Upright oval

Plant Height: 50-60 ft.

Plant Width: 40-50 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very nice growth habit and strong central leader.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus americana *Variety:* -0-
Cultivar: Autumn Purple *Family:* Oleaceae *Tsnum:* 78161
Common Name: Autumn Purple White Ash
Source: Milton Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/8/2013

Plant Habit: Upright oval to round

Plant Height: 50-60 ft.

Plant Width: 45-55 ft.

Current Seasons Growth: 8 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: purple, yellow

Date of observation: 9/23/2004

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus americana **Variety:**
Cultivar: Chicago Regal **Family:** Oleaceae **Tsnum:** 96123
Common Name: Chicago Regal Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval

Plant Height: 16-20 ft.

Plant Width: 10-12 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Attractive growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: purple, rose

Date of observation: 10/7/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus americana **Variety:**
Cultivar: Empire **Family:** Oleaceae **Tsnum:** 96124
Common Name: Empire White Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval

Plant Height: 18-20 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Canker - appears to be inactive

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Vigor is better than last evaluation possibly because of more snow and rain early in season.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: purple

Date of observation: 9/23/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus americana *Variety:*
Cultivar: Empire *Family:* Oleaceae *Tsnum:* 96135
Common Name: Empire White Ash
Source: Schichtel's Nursery *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 40-50 ft.

Plant Width: 25-35 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate to severe injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Canopy still looks good but canker on trunk appears to be about 2/3 around the trunk.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus americana **Variety:**
Cultivar: Northern Blaze **Family:** Oleaceae **Tsnum:** 07138
Common Name: Northern Blaze White Ash
Source: Plant Select Multisite Study **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval

Plant Height: 10-15 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests: Borer

Pest Severity: Slight injury

Plant Disease: Canker

Disease Severity: moderate injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Part of canopy has moderate chlorosis but the rest looks fine.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: fair

Fall Color: yellow, brown

Date of observation: 10/1/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus americana *Variety:*
Cultivar: Northern Gem *Family:* Oleaceae *Tsnum:* 99011
Common Name: Northern Gem White Ash
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 8/8/2013
Plant Habit: Upright oval
Plant Height: 10-14 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 1-3 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Moved in 2003 due to unavoidable construction. About one third of canopy is dead and smaller branches have many small holes from insects.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 9/23/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus americana *Variety:* -0-
Cultivar: Rosehill *Family:* Oleaceae *Tsnum:* 88056
Common Name: Rosehill White Ash
Source: A. McGill & Son Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/12/2013
Plant Habit: Upright oval becoming round
Plant Height: 40-50 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus americana **Variety:**
Cultivar: Royal Purple **Family:** Oleaceae **Tsnum:** 06011
Common Name: Royal Purple White Ash
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/8/2013

Plant Habit: Upright oval

Plant Height: 12-16 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. One of two lost 30% of canopy due to snow damage on 10/25/11 but looks normal in 2013.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus americana **Variety:** -0-
Cultivar: Skyline **Family:** Oleaceae **Tsnum:** 86192
Common Name: Skyline White Ash
Source: Schichtel's Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 45-55 ft.

Plant Width: 40-50 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: creamy yellow, orange

Date of observation: 10/9/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus americana **Variety:**
Cultivar: Tures **Family:** Oleaceae **Tsnum:** 95036
Common Name: Windy City Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval

Plant Height: 18-22 ft.

Plant Width: 15 -20 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Moved in 2003 due to unavoidable construction. Both have cankers on trunk and which may be reducing vigor. Still looks tolerable but weaker than the average ash tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: orange, yellow

Date of observation: 9/23/2004

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Fraxinus excelsior *Variety:*
Cultivar: *Family:* Oleaceae *Tsnum:* 04040
Common Name: Common Ash
Source: USDA/NC-7, Ames, IA *Quantity observed:* 1 *PI #:* 25520

Observation Date of Plant: 10/8/2013
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 12-24 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2010.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: *Date of observation:*
Aesthetics: *Persistence:*
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus excelsior **Variety:** -0-
Cultivar: Kimberly Blue **Family:** Oleaceae **Tsnum:** 78164
Common Name: Kimberly Blue European Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval to round

Plant Height: 35-40 ft.

Plant Width: 35-45 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering

Recommended: Yes

Comments on plant: Fungal conk is developing from old pruning cut due to storm damage on large limb. Overall, the tree is somewhat disfigured by storm damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus hybrid **Variety:**
Cultivar: Northern Gem **Family:** Oleaceae **Tsnum:** 00060
Common Name: Northern Gem Ash
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** -

Observation Date of Plant: 8/8/2013

Plant Habit: Upright oval

Plant Height: 8-12 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: A third of canopy is dead from canker.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair to good

Fall Color: Yellow

Date of observation: 9/23/2009

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Fraxinus mandshurica *Variety:*
Cultivar: *Family:* Oleaceae *Tsnum:* 01025
Common Name: Manchurian Ash
Source: USDA/NC-7, Ames, IA *Quantity observed:* 1 *PI #:* 26081

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 7-9 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 1-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Was in the lathhouse too long.

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2011. Still has very low vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus mandshurica **Variety:** -0-
Cultivar: -0- **Family:** Oleoaceae **Tsnum:** 91132
Common Name: Manchurian Ash
Source: Schichtel's Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 18-24 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker on lateral branches of one tree

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Growth habit is very uniform and attractive although vigor is fairly low for unknown reason.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 9/24/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus mandshurica *Variety:* -0-
Cultivar: Moncana *Family:* Oleaceae *Tsnum:* 87089
Common Name: Moncana Manchurian Ash
Source: Bailey Nurseries *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Upright oval, narrow
Plant Height: 35-45 ft.
Plant Width: 15-25 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Has some included bark in a major branch. Growth habit is a little distorted by past snow load. One plant had about 25% of canopy removed due to dieback from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus nigra **Variety:**
Cultivar: **Family:** Oleaceae **Tsnum:** 99005
Common Name: Black Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 15-20 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Foliage appears slightly injured with some twisting or cupping but not sure of cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair to poor
Fall Color: yellow, green

Date of observation: 9/29/2009
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus ornus **Variety:**
Cultivar: JFS-Coate **Family:** Oleaceae **Tsnum:** 07052
Common Name: Urban Bouquet Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/8/2013

Plant Habit: Upright oval

Plant Height: 7-9 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Canopy appears more compact than most ash but may look different if vigor increases.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus pennsylvanica *Variety:* -0-
Cultivar: Rugby *Family:* Oleaceae *Tsnum:* 89116
Common Name: Prairie Spire Green Ash
Source: Bailey Nurseries *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval

Plant Height: 30-37 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: golden yellow

Date of observation: 10/18/2011

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus pennsylvanica

Variety: -0-

Cultivar: -0-

Family: Oleaceae

Tsnum: 80200

Common Name: Green Ash

Source: USDA, Bismarck N.D.

Quantity observed: 1

PI #: -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 40-50 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is leaning to the side due to previous snow load a few years ago.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica *Variety:* -0-
Cultivar: Aerial *Family:* Oleaceae *Tsnum:* 92067
Common Name: Aerial Ash
Source: J. Frank Schmidt and Son Co *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 15 - 22 ft.
Plant Width: 15 -20 ft.
Current Seasons Growth: 2-5 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests: Borers

Pest Severity: Slight injury on one tree and moderate on second.

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Plants have very little growth. One of two trees has swelling on the trunk but not sure what the cause is. One of two trees has a very twiggy growth habit compared to second tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: yellow, light green

Date of observation: 9/28/2009
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus pennsylvanica *Variety:* -0-
Cultivar: Bergeson *Family:* Oleaceae *Tsnum:* 90014
Common Name: Bergeson Ash
Source: Sherman Nursery *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 10/8/2013
Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One tree had 25% of canopy removed due to dieback from unknown cause in 2013.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 9/23/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus pennsylvanica *Variety:*
Cultivar: Centerpoint *Family:* Oleaceae *Tsnum:* 96126
Common Name: Centerpoint Ash
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 8/8/2013
Plant Habit: Upright oval becoming round
Plant Height: 12-18 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Vigor is relatively low but looks fine.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: Cimmzam **Family:** Oleaceae **Tsnum:** 94030
Common Name: Cimmaron Green Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval

Plant Height: 20-25 ft.

Plant Width: 12-18 ft

Current Seasons Growth: 5-10 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair

Insect Pests: Borers

Pest Severity: Slight injury

Plant Disease: Canker

Disease Severity: Moderate to severe injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Moved in 2003 due to unavoidable construction. Huge canker and borers reducing growth on south half of tree but canopy still looks okay except for one branch which is probably 5% of canopy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: orange, yellow

Date of observation: 10/8/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus pennsylvanica **Variety:** -0-
Cultivar: Dakota Centennial **Family:** Oleaceae **Tsnum:** 89115
Common Name: Dakota Centennial Green Ash
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/7/2013

Plant Habit: Upright oval

Plant Height: 50-60 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This plant has a fairly narrow growth habit with a strong central leader.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 9/23/2009

Aesthetics: Good to excellent

Persistence: 1-2 weeks

Fall Color: Golden yellow

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:** -0-
Cultivar: Emerald **Family:** Oleaceae **Tsnum:** 83133
Common Name: Emerald Green Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 40-50 ft.

Plant Width: 35-45 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Bark seems thicker and more deeply fissured than most. Growth habit is a little distorted by past snow load but still looks acceptable.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: Foothills **Family:** Oleaceae **Tsnum:** 00069
Common Name: Foothills Ash
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 7-10 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-10 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Was in lathhouse too long.

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus pennsylvanica *Variety:*
Cultivar: Johnson *Family:* Oleaceae *Tsnum:* 95042
Common Name: Leprechaun Ash
Source: J. Frank Schmidt and Son Co *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 8/8/2013
Plant Habit: Round
Plant Height: 10-12 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 1-2 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes
Comments on plant: Moved in 2003 due to unavoidable construction. No signs of scale but vigor is low.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color *Date of observation:* 10/7/2009
Aesthetics: Fair *Persistence:* 2-4 weeks
Fall Color: yellow

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica *Variety:* -0-
Cultivar: Kindred *Family:* Oleaceae *Tsnum:* 82107
Common Name: Kindred Green Ash
Source: Cross Nurseries Inc. *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/7/2013
Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color *Date of observation:* 10/9/2003
Aesthetics: Good *Persistence:* 1-2 weeks
Fall Color: bright yellow

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: Kohler **Family:** Oleaceae **Tsnum:** 94025
Common Name: Kohler Green Ash
Source: Discover-Tree Research **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/8/2013

Plant Habit: Upright oval

Plant Height: 15-20 ft.

Plant Width: 10-15 ft

Current Seasons Growth: 2-10 in.

Foliage Color: Medium to light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests: Borers

Pest Severity: Slight injury

Plant Disease: Canker

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Moved in 2003 due to unavoidable construction. Neither tree has much vigor. One of two trees has canker on central leader which killed top 25% of tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Russet red with a little
bit of purple.

Date of observation: 9/29/2009

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:** -0-
Cultivar: Leeds **Family:** Oleaceae **Tsnum:** 92093
Common Name: Prairie Dome Ash
Source: Jewell Nursery, Inc. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 8/7/2013
Plant Habit: Upright oval
Plant Height: 15-18 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 1-2 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: yellow

Date of observation: 9/24/2009
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: Leeds **Family:** Oleaceae **Tsnum:** 94056
Common Name: Prarie Dome Ash
Source: Jewell Nursery, Inc. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/8/2013

Plant Habit: Upright oval

Plant Height: 12-17 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 2-6 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Low vigor but still looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 9/24/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus pennsylvanica *Variety:* -0-
Cultivar: Marshall's Seedless *Family:* Oleaceae *Tsnum:* 78167
Common Name: Marshall's Seedless Green Ash
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Upright oval but becoming more round.
Plant Height: 45-55 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 8 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color *Date of observation:* 10/6/2008
Aesthetics: Good to excellent *Persistence:* 1-2 weeks
Fall Color: Golden yellow

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: National 1999 **Family:** Oleaceae **Tsnum:** 01003
Common Name: Champtree Green Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 8/7/2013

Plant Habit: Upright oval

Plant Height: 17-22 ft.

Plant Width: 13-19 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor is excellent along with form. Two of three trees lost about 15-20% of canopy due to snow damage on 10/25/11. One of three trees dying from canker and will be removed but the other two trees look good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Fraxinus x **Variety:**
Cultivar: Northern Treasure **Family:** Oleaceae **Tsnum:** 00061
Common Name: Northern Treasure Ash
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** -

Observation Date of Plant: 8/8/2013
Plant Habit: Round
Plant Height: 8-10 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Low vigor may be related to some trunk swelling near the groups.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 10/2/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Genista tinctoria **Variety:** -0-
Cultivar: -0- **Family:** Leguminosae **Tsnum:** 85147
Common Name: Broom
Source: Burr Oak Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/27/2012
Plant Habit: Broad oval
Plant Height: 3 - 4 ft.
Plant Width: 4 - 8 ft.
Current Seasons Growth: 10-15 in

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: These often requires regular pruning to remove dieback but two of three look good this year.

Observation Date of Flowers: 7/2/2003

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Genista tinctoria **Variety:** -0-
Cultivar: Golden Dwarf **Family:** Leguminosae **Tsnum:** 80142
Common Name: Golden Dwarf Broom
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/27/2012
Plant Habit: Broad oval
Plant Height: 3 - 4 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit sometimes becomes open but looks good this year except for a few old twigs that need to be removed.

Observation Date of Flowers: 7/8/2003

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Genista tinctoria **Variety:**
Cultivar: Poltava **Family:** Fabaceae **Tsnum:** 01027
Common Name: Poltava Woadwaxen
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** 25525

Observation Date of Plant: 9/26/2012
Plant Habit: Round or slightly broad oval
Plant Height: 3-5 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 20-24 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in arboretum in 2003. 5/23/06 - Severe dieback during winter of -16F but has been fine last few years. One plant seems to be suckering and rather invasive.

Observation Date of Flowers: 7/8/2003

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ginkgo bilboa **Variety:**
Cultivar: Saratoga **Family:** Ginkgoaceae **Tsnum:** 95096
Common Name: Saratoga Maidenhair Tree
Source: Monrovia Growers **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/1/2013

Plant Habit: Upright oval

Plant Height: 8-12 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 10-16 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Canopy is dense and full.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 10/28/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: **Family:** Ginkgoaceae **Tsnum:** 10032
Common Name: Maidenhair-tree
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** Ames 28316

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 4-5 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 6-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ginkgo biloba *Variety:* -0-
Cultivar: -0- *Family:* Ginkgoaceae *Tsnum:* 78170
Common Name: Ginkgo
Source: Unknown *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 25-35 ft.

Plant Width: 15 - 20 ft

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is less dense and uniform as cultivars but still looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ginkgo biloba *Variety:* -0-
Cultivar: Fairmont *Family:* Ginkgoaceae *Tsnum:* 80044
Common Name: Fairmont Ginkgo
Source: Hines Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 20-30 ft.

Plant Width: 20-28 ft

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: Golden Globe **Family:** Ginkgoaceae **Tsnum:** 07023
Common Name: Golden Globe Ginkgo
Source: Femrite Nursery Company **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 6-7 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: Jfs-uga2 **Family:** Ginkgoaceae **Tsnum:** 06025
Common Name: Golden Colonnade Ginkgo
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 6-7 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: Jfs-uga2 **Family:** Ginkgoaceae **Tsnum:** 06025
Common Name: Golden Colonnade Ginkgo
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/27/2013

Plant Habit: Young, undefined

Plant Height: 4-5 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 6-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: JFS-UGA2 **Family:** Ginkgoaceae **Tsnum:** 09015
Common Name: Golden Colonnade Ginkgo
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/27/2013

Plant Habit: Young, undefined

Plant Height: 4-5 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 6-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Growth habit is a little stunted from being in lathhouse too long.

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: Magyar **Family:** Ginkgoaceae **Tsnum:** 01047
Common Name: Magyar Ginko
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 5-7 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Was in lathhouse too long.

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Ginkgo biloba **Variety:** -0-
Cultivar: Princeton Sentry **Family:** Ginkgoaceae **Tsnum:** 89117
Common Name: Princeton Sentry Ginkgo
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 10-20 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two trees has less vigor - probably due to irrigation problem at edge of arboretum. Smaller tree still looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: Shangri-La **Family:** Ginkgoaceae **Tsnum:** 02007
Common Name: Shangri-La Ginkgo
Source: Femrite Nursery Company **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 6-7 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 4 in.

Foliage Color: Light green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Was in lathhouse too long and negatively affected vigor and growth habit but sh

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: The President **Family:** Ginkgoaceae **Tsnum:** 07053
Common Name: Presidential Gold Ginkgo
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/1/2013

Plant Habit: Upright oval

Plant Height: 5-6 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 1-3 in.

Foliage Color: Light green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: The President **Family:** Ginkgoaceae **Tsnum:** 08004
Common Name: Presidential Gold Ginkgo
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/1/2013

Plant Habit: Upright oval

Plant Height: 5-6 ft.

Plant Width: 3-3.5 ft.

Current Seasons Growth: 6-9 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: Woodstock **Family:** Ginkgoaceae **Tsnum:** 04023
Common Name: Emperor Ginko
Source: Femrite Nursery Company **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Gleditsia triacanthos inermis **Variety:** inermis
Cultivar: Baillace **Family:** Leguminosae **Tsnum:** 94045
Common Name: Summer Lace Honeylocust
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/28/2012

Plant Habit: Upright oval to round

Plant Height: 25-35 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Lost one of two trees to storm damage October 25, 2011 and second tree looks a little thin where first tree shaded it.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 9/23/2004

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Gleditsia triacanthos inermis **Variety:**
Cultivar: Draves **Family:** Fabaceae **Tsnum:** 10019
Common Name: Street Keeper Honeylocust
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/27/2012
Plant Habit: Young, upright oval
Plant Height: 6-9 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 4-10 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend. One of two has a little dieback on top 6 in. Of central leader and only looks fair.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Gleditsia triacanthos ineremis *Variety:* ineremis
Cultivar: Fairview *Family:* Leguminosae *Tsnum:* 84142
Common Name: Fairview Thornless Honeylocust
Source: A. McGill & Son Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/1/2012

Plant Habit: Upright oval

Plant Height: 40-50 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Has a lot of small dead branches but not sure if due to shading or disease.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Gleditsia triacanthos inermis **Variety:** inermis
Cultivar: Imperial **Family:** Leguminosae **Tsnum:** 78172
Common Name: Imperial Thornless Honeylocust
Source: Fort Collins Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2012

Plant Habit: Upright oval

Plant Height: 30-40 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Gleditsia triacanthos inermis **Variety:** inermis
Cultivar: Moraine **Family:** Leguminosae **Tsnum:** 78173
Common Name: Moraine Thornless Honeylocust
Source: Fort Collins Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2012

Plant Habit: Upright oval becoming irregular

Plant Height: 35-45 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 10-18 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

| | | |
|---|-----------------------------|-------------------------|
| <i>Scientific Name:</i> Gleditsia triacanthos inermis | | <i>Variety:</i> inermis |
| <i>Cultivar:</i> Shademaster | <i>Family:</i> Leguminosae | <i>Tsnum:</i> 78039 |
| <i>Common Name:</i> Shademaster Thornless Honeylocust | | |
| <i>Source:</i> Milton Nursery | <i>Quantity observed:</i> 1 | <i>PI #:</i> -0- |

Observation Date of Plant: 10/1/2012

Plant Habit: Upright oval to irregular

Plant Height: 40-50 ft.

Plant Width: 35-45 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has some dead branches (not recent) but not sure if dead from shading or disease.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Gleditsia triacanthos inermis **Variety:** inermis
Cultivar: Suncole **Family:** Leguminosae **Tsnum:** 01001
Common Name: Sunburst Honeylocust
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/28/2012

Plant Habit: Upright oval

Plant Height: 18-25 ft.

Plant Width: 14-20 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green, yellow on newest foliage

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Residential, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Both seem to have a bend in the trunk but one is severe and may need to be removed.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Gymnocladus dioica **Variety:** -0-
Cultivar: -0- **Family:** Leguminosae **Tsnum:** 78174
Common Name: Kentucky Coffeetree
Source: Bath Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/28/2012
Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair
Fall Color: yellow

Date of observation: 10/12/2012
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Halimodendron halodendron **Variety:** -0-
Cultivar: -0- **Family:** Leguminosae **Tsnum:** 78214
Common Name: Salt Tree
Source: -0- **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/26/2012
Plant Habit: Irregular
Plant Height: 4-5 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Severe lodging to the south.

Nuisances:

Recommended: Marginal

Comments on plant: Seeds hanging on tree eventually become unattractive and may be removed for aesthetics and to prevent self seeding. Spines are very sharp. Crowded by neighboring plants.

Observation Date of Flowers: 6/2/2006

Flower Color: Pink/lavender

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Relatively small flowers and foliage give a very delicate appearance.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Hamamelis virginiana **Variety:** -0-
Cultivar: -0- **Family:** Hamamelidaceae **Tsnum:** 85098
Common Name: Common Witchhazel
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/26/2013
Plant Habit: Irregular to upright oval
Plant Height: 8-12 ft.
Plant Width: 7-10 ft
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Inadequate irrigation system, soil pH is high

Nuisances:

Recommended: No

Comments on plant: Moderately chlorotic but possibly due to high soil pH.

Observation Date of Flowers: 11/25/2005

Flower Color: Light Yellow

Flower Type: cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 10/28/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hamamelis x intermedia **Variety:**
Cultivar: Angelly **Family:** Hamamelidaceae **Tsnum:** 10006
Common Name: Angelly Witchhazel
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/26/2013

Plant Habit: Young, undefined

Plant Height: 4-5 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hedera helix **Variety:** -0-
Cultivar: Bulgaria **Family:** Araliaceae **Tsnum:** 82065
Common Name: Bulgarian English Ivy
Source: Monrovia Growers **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 11/9/2012
Plant Habit: Creeping (ground cover)
Plant Height: <0.5 ft.
Plant Width: 10 - 20 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Ground cover, Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Heptacodium micorioides **Variety:**
Cultivar: **Family:** Caprifoliaceae **Tsnum:** 11113
Common Name: Seven-son Flower
Source: Garden and Home Show **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Upright oval

Plant Height: 3-4 ft.

Plant Width: 3-4 ft

Current Seasons Growth: 12-24 in

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Heptacodium micorioides **Variety:**
Cultivar: **Family:** Caprifoliaceae **Tsnum:** 06034
Common Name: Seven-Son Flower
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 7-10 ft.

Plant Width: 7-9 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted into arboretum Fall 2006. First significant flowering since it was planted was in 2010 so it may take time to get established but well worth the wait.

Observation Date of Flowers: 8/1/2007

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 20-25%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Few flowers since the establishment process is still occurring.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hibiscus syriacus *Variety:* -0-
Cultivar: Ardens *Family:* Malvaceae *Tsnum:* 93071
Common Name: Ardens Rose of Sharon
Source: Carlton Plants *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 9/17/2012

Plant Habit: Upright oval

Plant Height: 7-9 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Hippophae rhamnoides **Variety:** -0-
Cultivar: -0- **Family:** Elaeagnaceae **Tsnum:** 83175
Common Name: Sea Buckthorn
Source: Bailey Nurseries **Quantity observed:** 4 **PI #:** -0-

Observation Date of Plant: 8/27/2012

Plant Habit: Irregular, upright

Plant Height: 10-15 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Dark gray/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Barrier, specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: canker

Disease Severity: Moderate injury

Cultural Problems:

Nuisances: Colonizes an area by suckers from roots.

Recommended: Yes

Comments on plant: The older plants tend to have a lot of character if pruned into a small tree. Looks good (except for canker problem) in a spot without much irrigation.

Observation Date of Flowers: 4/18/2006

Flower Color: Lt. Yellow

Flower Type: Cluster

Flower Effect: poor

% of Flower Coverage: 50-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers too tiny to be showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hippophae rhamnoides **Variety:**
Cultivar: Sprite **Family:** Elaeagnaceae **Tsnum:** 96117
Common Name: Sprite Seabuckthorn
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/17/2012

Plant Habit: Irregular, upright

Plant Height: 8-10 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 2-6 in.

Foliage Color: Dark gray/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Barrier, specimen, xeriscape, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hydrangea arborescens **Variety:**
Cultivar: Jm 2004004 **Family:** Hydrangeaceae **Tsnum:** 06040
Common Name: Hydrangea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** Ames 27653

Observation Date of Plant: 10/1/2012

Plant Habit: Upright

Plant Height: 3-4 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 1-2 ft

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: marginal

Comments on plant: Lower half of plant is moderately chlorotic.

Observation Date of Flowers: 10/1/2012

Flower Color: Greenish white

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 10-20%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hydrangea arborescens **Variety:**
Cultivar: White Dome **Family:** Hydrangeaceae **Tsnum:** 05085
Common Name: White Dome Smooth Hydrangea
Source: Proven Winners **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/1/2012

Plant Habit: Round

Plant Height: 3-4.5 ft.

Plant Width: 3-6 ft.

Current Seasons Growth: 3-4 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2007.

Observation Date of Flowers: 10/1/2012

Flower Color: Greenish white

Flower Type: Cluster

Flower Effect: Fair to good

% of Flower Coverage: 25-30%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hydrangea macrophylla **Variety:**
Cultivar: Dancing Snow **Family:** Hydrangeaceae **Tsnum:** 12107
Common Name: Wedding Gown Hydrangea
Source: Ball Horticultural Company **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Hydrangea macrophylla **Variety:**
Cultivar: Endless Summer **Family:** Hydrangeaceae **Tsnum:** 03120
Common Name: Endless Summer Hydrangea
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/1/2012

Plant Habit: Broad oval to round

Plant Height: 2-3 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 1 - 3 ft.

Foliage Color: Light green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: May require a lot more irrigation or sunlight. No flowers in 2010 or 2012.

Observation Date of Flowers: 9/1/2004

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 0-10%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: No sign of flowering in 2012.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Hydrangea macrophylla **Variety:**
Cultivar: Glowering Embers **Family:** Hydrangeaceae **Tsnum:** 12019
Common Name: Glowing Embers Hydrangea
Source: Forrest Keeling Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/1/2012
Plant Habit: Young, undefined
Plant Height: 1-2 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend. No establishment problems noticed.

Observation Date of Flowers: 10/1/2012

Flower Color: Lavender/pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 10.00%

Bloom Stage: Mostly past peak

Fruit Present:

Comments on Flowers: Fades to greenish white. Will probably get more blooms as it matures.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Hydrangea macrophylla *Variety:*
Cultivar: Kompeito *Family:* Hydrangeaceae *Tsnum:* 12106
Common Name: Star Gazer Hydrangea
Source: Ball Horticultural Company *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hydrangea macrophylla **Variety:**
Cultivar: Lemon Wave **Family:** Hydrangeaceae **Tsnum:** 10010
Common Name: Lemon Wave Hydrangea
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/1/2012

Plant Habit: Young, undefined

Plant Height: 1-2 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Variegated, medium green and white

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Just planted in 2011 - too soon to recommend. Pattern on foliage isn't stable but may improve as it matures.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers: No sign of flowering in 2012

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Hydrangea macrophylla **Variety:**
Cultivar: Nikko Blue **Family:** Hydrangeaceae **Tsnum:** 12027
Common Name: Nikko Blue Hydrangea
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/1/2012

Plant Habit: Round

Plant Height: 2-2.5 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend. No establishment problems noticed.

Observation Date of Flowers: 10/1/2012

Flower Color: Purple/blue

Flower Type: Cluster

Flower Effect: Very showy

% of Flower Coverage: 70-80%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers: Very showy despite color fade from original color

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hydrangea macrophylla *Variety:*
Cultivar: PIIHM-I *Family:* Hydrangeaceae *Tsnum:* 10111
Common Name: Twist-N-Shout Hydrangea
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/1/2012

Plant Habit: Broad oval

Plant Height: 2-2.5 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend. No establishment problems noticed.

Observation Date of Flowers: 10/1/2012

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 15-20%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Bokrathirteen **Family:** Hydrangeacea **Tsnum:** 12110
Common Name: Sweet Summer Hydrangea
Source: Ball Horticultural Company **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Hydrangea paniculata *Variety:*
Cultivar: Bombshell *Family:* Hydrangeaceae *Tsnum:* 12108
Common Name: Bombshell Hydrangea
Source: Ball Horticultural Company *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hydrangea paniculata *Variety:*
Cultivar: Bulk *Family:* Hydrangeaceae *Tsnum:* 10027
Common Name: Quick Fire™ Hydrangea - Tree Form
Source: Bailey Nurseries *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 9/26/2012
Plant Habit: Young, undefined
Plant Height: 4-5 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers: 9/26/2012
Flower Color: Pink blush
Flower Type: cluster
Flower Effect: Good
% of Flower Coverage: 10-25%
Bloom Stage: Past peak
Fruit Present:
Comments on Flowers: Few flowers but recently planted.

Fall Color or Fruit: *Date of observation:*
Aesthetics: *Persistence:*
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hydrangea paniculata *Variety:*
Cultivar: Lime Light *Family:* Hydrangeaceae *Tsnum:* 05087
Common Name: Lime Light Hydrangea
Source: Proven Winners *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/1/2012

Plant Habit: Upright

Plant Height: 3-4 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 2-3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2007. Impressive show late in season.

Observation Date of Flowers: 9/24/2012

Flower Color: White/light green with fantastic pink blush

Flower Type: cluster

Flower Effect: Excellent

% of Flower Coverage: 60-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Hydrangea paniculata *Variety:*
Cultivar: Quick Fire *Family:* Hydrangeaceae *Tsnum:* 05088
Common Name: Quick Fire Hydrangea
Source: Proven Winners *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/1/2012
Plant Habit: Upright oval
Plant Height: 2-3 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2007. Slow to get established but is making progress since last evaluation.

Observation Date of Flowers: 10/1/2012

Flower Color: Fading to pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-50%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hydrangea paniculata *Variety:*
Cultivar: Renhy *Family:* Hydrangeaceae *Tsnum:* 10112
Common Name: Vanilla Strawberry Hydrangea
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 3-4.5 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers: 10/9/2013

Flower Color: Dark rose/pink

Flower Type: cluster

Flower Effect: Good

% of Flower Coverage: 60.00%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers: Very showy

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Tardiva **Family:** Hydrangeaceae **Tsnum:** 98123
Common Name: Tardiva Panicle Hydrangea
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/26/2012

Plant Habit: Upright oval

Plant Height: 4-6 ft.

Plant Width: 4 - 6 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Showy blooms but has slight chlorosis.

Observation Date of Flowers: 9/10/2012

Flower Color: White with pink blush

Flower Type: cluster

Flower Effect: Excellent

% of Flower Coverage: 75.00%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Dependable for a good display of color.

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 9/23/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Unique **Family:** Hydrangeaceae **Tsnum:** 09052
Common Name: Unique Late Pannicle Hydrangea
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/27/2012
Plant Habit: Young, undefined
Plant Height: 2 -4 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Had a period where it got missed by irrigation and was a little stressed.

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010 and another in 2012

Observation Date of Flowers: 10/1/2012

Flower Color: White with pink blush

Flower Type: cluster

Flower Effect: fair

% of Flower Coverage: 20-50%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Hydrangea quercifolia

Variety:

Cultivar: Ice Crystal

Family: Hydrangeacea

Tsnum: 12111

Common Name: Ice Crystal Oakleaf Hydrangea

Source: Ball Horticultural Company *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Date of observation:

Aesthetics:

Persistence:

Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hydrangea serrata **Variety:**
Cultivar: Blue Bird **Family:** Hydrangaceae **Tsnum:** 06064
Common Name: Blue Bird Hydrangea
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/1/2012

Plant Habit: Upright oval

Plant Height: 2-3 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Slow to gain size.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers: No sign of flowering in 2012.

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Dark maroon red

Date of observation: 9/30/2012

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hydrangea serrata preziosa **Variety:**
Cultivar: Pink Beauty **Family:** Hydrangeaceae **Tsnum:** 09053
Common Name: Pink Beauty Hydrangea
Source: Carlton Plants **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/1/2012

Plant Habit: Young, undefined

Plant Height: 1-2 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2009. Poor vigor, slow to establish but better than last evaluation.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers: No sign of flowering in 2012.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hypericum *Variety:*
Cultivar: Kolmaglor *Family:* Clusiaceae *Tsnum:* 13031
Common Name: Glory Hypericum
Source: Bailey Nurseries *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Hypericum x inodorum **Variety:**
Cultivar: Prince Flair **Family:** Guttiferae **Tsnum:** 04048
Common Name: Prince Flair St. John's Wort
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/27/2012

Plant Habit: Upright oval

Plant Height: 2-3.5 ft.

Plant Width: 1.5-3 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in arboretum in 2005. Canopy is not cold hardy. Would probably look okay with a regular pruning to ground each spring.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Indigofera kirilowii **Variety:**
Cultivar: **Family:** Papilionoidae **Tsnum:** 02017
Common Name: Kirilow Indigo
Source: Sjulín Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/27/2012

Plant Habit: Broad oval to irregular

Plant Height: 3-5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 3-5 ft.

Foliage Color: Light green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Seems to only be growing new wood from the base. May need to cut to ground each winter. One of two is moderately chlorotic.

Observation Date of Flowers: 6/5/2006

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers are in long panicles that are very showy.

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 9/26/2006

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Jamesia americana **Variety:**
Cultivar: **Family:** Hydrangeaceae **Tsnum:** 03161
Common Name: Wax Flower
Source: Fort Collins Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Upright oval

Plant Height: 2 - 3.5 ft.

Plant Width: 2-4 ft.

Current Seasons Growth: 5-10 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, native planting, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2003. Plant was left over from Garden & Home show. Not a lot of vigor.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 30-40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juglan regia **Variety:**
Cultivar: Carpathian **Family:** Juglandaceae **Tsnum:** 03035
Common Name: Carpathian English Walnut
Source: Forrest Keeling Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Round

Plant Height: 7-9 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 14-20 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree, wildlife

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor was very good in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juglans cinerea **Variety:** -0-
Cultivar: -0- **Family:** Juglandaceae **Tsnum:** 78175
Common Name: Butternut
Source: Western Evergreen Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/5/2013
Plant Habit: Round to broad oval, multistem
Plant Height: 20-30 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Appears to be recovering from old canker although decay is taking over on wounded areas. Old cankers are very extensive and unattractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: golden yellow

Date of observation: 10/6/2008
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juglans mandshurica *Variety:* -0-
Cultivar: -0- *Family:* Juglandaceae *Tsnum:* 78176
Common Name: Manchurian Walnut
Source: Fort Collins Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/5/2013
Plant Habit: Upright oval to round
Plant Height: 35-45 ft.
Plant Width: 45-55 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: A little wet wood forming around old branch removals.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juglans nigra *Variety:* -0-
Cultivar: -0- *Family:* Juglandaceae *Tsnum:* 78028
Common Name: Black Walnut
Source: Colorado Nurseryman *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/4/2013

Plant Habit: Upright oval

Plant Height: 50-60 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Wildlife, residential street, large shade tree

Overall Plant Health: Poor

Insect Pests: Borers

Pest Severity: Severe

Plant Disease: Canker

Disease Severity: Severe

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Half of plant is dying from 1000 canker disease.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juglans nigra **Variety:**
Cultivar: Sauber **Family:** Juglandaceae **Tsnum:** 07086
Common Name: Sauber Black Walnut
Source: Forrest Keeling Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/4/2013

Plant Habit: Young, undefined

Plant Height: 5 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 3-5 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Shade tree, wildlife

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend. Growth habit is a little irregular due to losing central leader while in lathhouse.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juglans nigra **Variety:**
Cultivar: Sparks **Family:** Juglandaceae **Tsnum:** 98061
Common Name: Sparks Black Walnut
Source: Forrest Keeling Nursery **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright, oval

Plant Height: 7-10 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: specimen, large shade tree, wildlife

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2004.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 10/14/2010

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juglans regia **Variety:**
Cultivar: Carpathian **Family:** Rosaceae **Tsnum:** 02084
Common Name: Carpathian English Walnut
Source: Forrest Keeling Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright, oval

Plant Height: 6-9 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree, wildlife

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker on trunk

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Canopy looks good but large canker on trunk will probably shorten lifespan significantly although it may just be sunscald. Planted in arboretum in 2005.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniper communis *Variety:* depressa
Cultivar: AmiDak *Family:* Cupressaceae *Tsnum:* 13090
Common Name: Blueberry Delight Juniper
Source: Alta Nursery *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniper horizontalis *Variety:*
Cultivar: MeDak *Family:* Cupressaceae *Tsnum:* 13092
Common Name: Prairie Splendor Juniper
Source: Alta Nursery *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniper x *Variety:*
Cultivar: Prairie Spirit *Family:* Cupressaceae *Tsnum:* 13089
Common Name: Prairie Spirit Juniper
Source: Alta Nursery *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: Admiral **Family:** Cupressaceae **Tsnum:** 84171
Common Name: Admiral Chinese Juniper
Source: American Nursery Product/Mi **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal becoming round
Plant Height: 15 - 20 ft.
Plant Width: 15 - 20 ft.
Current Seasons Growth: 6 - 8 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of three plants has lost the central leader due to snow in 2003. .

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis *Variety:* -0-
Cultivar: Ames *Family:* Cupressaceae *Tsnum:* 84172
Common Name: Ames Chinese Juniper
Source: American Nursery Product/Mi *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Vase or irregular

Plant Height: 8-12 ft.

Plant Width: 8-14 ft.

Current Seasons Growth: 1-2 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: All seem to be in decline.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: Armstrong **Family:** Cupressaceae **Tsnum:** 82175
Common Name: Armstrong Chinese Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Spreading, irregular

Plant Height: 4 - 6 ft.

Plant Width: 10-15 ft

Current Seasons Growth: 6-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis *Variety:* -0-
Cultivar: Armstrong Aurea *Family:* Cupressaceae *Tsnum:* 82176
Common Name: Armstrong Aurea Chinese Juniper
Source: Greenleaf Nursery Co. *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Spreading

Plant Height: 4 - 6 ft.

Plant Width: 15-20 ft

Current Seasons Growth: 6 - 10 in.

Foliage Color: Green with shades of yellow

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Shades of yellow seems to be less noticeable as it matures.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis **Variety:**
Cultivar: Daub's Frosted **Family:** Cupressaceae **Tsnum:** 03152
Common Name: Daub's frosted Juniper
Source: Monrovia Growers **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 11/7/2012

Plant Habit: Spreading

Plant Height: 2-3 ft.

Plant Width: 7-9 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Yellow on new stems/green on older foliage

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Juniper blight

Disease Severity: Severe one of three and slight injury on the other two

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in arboretum in 2003. Awl shaped foliage lends a soft appearance to the plant. One of three is almost dead due to disease.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: Fruitlandii **Family:** Cupressaceae **Tsnum:** 87168
Common Name: Fruitland Chinese Juniper
Source: Monrovia Growers **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading, irregular

Plant Height: 4-6 ft.

Plant Width: 16-22 ft

Current Seasons Growth: 10-15 in.

Foliage Color: Green with some blue shading

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Ground cover, Xeriscape, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Most other junipers have a more uniform, attractive growth habit and this is fairly irregular.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: Hetzii Columnaris **Family:** Cupressaceae **Tsnum:** 78179
Common Name: Hetz Columnar Chinese Juniper
Source: Zelenka Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Pyramidal

Plant Height: 20-30 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 2-6 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is not very columnar as implied by name.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis *Variety:* -0-
Cultivar: Holbert *Family:* Cupressaceae *Tsnum:* 88195
Common Name: Holbert Chinese Juniper
Source: Hines Nursery *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 3-4 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Gray/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Ground cover, Specimen, Xeriscape, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has become huge spreader without pruning.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:**
Cultivar: Kallays Compacta **Family:** Cupressaceae **Tsnum:** 00022
Common Name: Kallay Pfitzer Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 2-3 ft.

Plant Width: 10-12 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Ground cover, Xeriscape, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis *Variety:* -0-
Cultivar: Keteleeri *Family:* Cupressaceae *Tsnum:* 78181
Common Name: Keteleer Chinese Juniper
Source: American Nursery Product/Mi *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 20-30 ft.

Plant Width: 22-30 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is a little open but still looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis *Variety:* -0-
Cultivar: Mint Julep *Family:* Cupressaceae *Tsnum:* 87169
Common Name: Mint Julep Chinese Juniper
Source: Monrovia Growers *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 4 - 6 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage color is rich and vibrant. Fruit shows up well and is fairly showy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis **Variety:**
Cultivar: Pfitzeriana **Family:** Cupressaceae **Tsnum:** 00168
Common Name: Pfitzer Chinese Juniper
Source: Colorado Garden & Home Sh **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/7/2012

Plant Habit: Spreading

Plant Height: 1-3 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border, screen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably be wider if not crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: Robusta Green **Family:** Cupressaceae **Tsnum:** 78182
Common Name: Robusta Green Chinese Juniper
Source: Bath Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Irregular, upright

Plant Height: 10-12 ft.

Plant Width: 12-15 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Ground cover, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: marginal

Comments on plant: Central leader seems to have twisted and flopped to the side probably due to snow load.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: San Jose **Family:** Cupressaceae **Tsnum:** 86214
Common Name: San Jose Chinese Juniper
Source: Monrovia Growers **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 3 - 4 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 6-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Ground cover, Xeriscape, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice mounded growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:** pfitzeriana
Cultivar: Sarcoxie Compactum **Family:** Cupressaceae **Tsnum:** 78183
Common Name: Sarcoxie Compact Pfitzer Juniper
Source: Sarcoxie Nurseries Inc. **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Spreading

Plant Height: 4-7 ft.

Plant Width: 15-20 ft

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has become enormous after 30 years. Too big for most landscapes.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis *Variety:* -0-
Cultivar: Sea Green *Family:* Cupressaceae *Tsnum:* 88196
Common Name: Sea Green Chinese Juniper
Source: Hines Nursery *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Arching, spreading

Plant Height: 4 - 6 ft.

Plant Width: 15 - 20 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Requires a large area or regular pruning.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis *Variety:* -0-
Cultivar: Sea Spray *Family:* Cupressaceae *Tsnum:* 88197
Common Name: Sea Spray Chinese Juniper
Source: Hines Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 4 - 6 ft.

Plant Width: 12-18 ft

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: New growth is twisted like a turbulent wave which matches name but it seems to be less distinct as it matures.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis **Variety:** densaerecta
Cultivar: Spartan **Family:** Cupressaceae **Tsnum:** 89097
Common Name: Spartan Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal/irregular

Plant Height: 15-20 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border, screen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage color is a nice rich green and fairly dark. One of showier junipers for fruit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis **Variety:** denserecta
Cultivar: Spartica **Family:** Cupressaceae **Tsnum:** 82177
Common Name: Spartica Chinese Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Pyramidal

Plant Height: 15-20 ft.

Plant Width: 18-22 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: A little misshapen from snow load in 2003 but looks normal in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: Spearmint **Family:** Cupressaceae **Tsnum:** 88198
Common Name: Spearmint Chinese Juniper
Source: Hines Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal becoming more round
Plant Height: 10-16 ft.
Plant Width: 10-16 ft
Current Seasons Growth: 6-10 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage is a rich green color and very attractive. Makes a good contrast with fruit color.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:**
Cultivar: Winter Gold **Family:** Cupressaceae **Tsnum:** 99187
Common Name: Winter Gold
Source: ProGreen Expo **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 3-4 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Yellow/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks good but is getting crowded by neighboring plant and may grow wider than listed here.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus chinensis pfitzeriana **Variety:**
Cultivar: Gold Lace **Family:** Cupressaceae **Tsnum:** 98090
Common Name: Gold Lace Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/7/2012

Plant Habit: Spreading

Plant Height: 2-3 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Yellow

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Getting crowded by nearby plants.

Nuisances:

Recommended: Yes

Comments on plant: Foliage is very bright and attractive. Would probably be much wider if not crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus communis **Variety:**
Cultivar: Montana Spreader **Family:** Cupressaceae **Tsnum:** 11116
Common Name: Common Juniper
Source: Plant Select **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Spreading

Plant Height: 3-4 in.

Plant Width: 1-2 ft.

Current Seasons Growth: 3-4 in.

Foliage Color: Green with blue grey on top edge of needles.

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Just planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus conferta **Variety:**
Cultivar: Silver Mist **Family:** Cupressaceae **Tsnum:** 03011
Common Name: Silver Mist Juniper
Source: The Conard Pyle Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 10-18 in.

Plant Width: 4-6 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Blue/gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2004. Growth habit seems to be a little more open than most spreading junipers but is still attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus davurica **Variety:**
Cultivar: Expansa **Family:** Cupressaceae **Tsnum:** 96095
Common Name: Parson's Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 24-36 in.

Plant Width: 8-12 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green with a little shade of blue

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably look much better if in full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus excelsa *Variety:*
Cultivar: Stricta *Family:* Cupressaceae *Tsnum:* 05071
Common Name: Spiney Greek Spiral Juniper
Source: Greenleaf Nursery Co. *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 11/2/2012

Plant Habit: Columnar

Plant Height: 2-3 ft

Plant Width: 12-18 in.

Current Seasons Growth: 1-3 in.

Foliage Color: Blue/gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Attractive blue/gray foliage. Planted in 2005. Vigor is poor and may never have received adequate irrigation in order to get established. Would probably be fine in a landscape with regular irrigation.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus horizontalis **Variety:** -0-
Cultivar: Huntington Blue **Family:** Cupressaceae **Tsnum:** 86215
Common Name: Huntington Blue Creeping Juniper
Source: Monrovia Growers **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 4-8 in.

Plant Width: 6 - 10 ft

Current Seasons Growth: 6 - 10 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Ground cover, Specimen, Xeriscape, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Seems to have recovered from juniper blight. Might be wider if not crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus horizontalis **Variety:** -0-
Cultivar: Livingston **Family:** Cupressaceae **Tsnum:** 80144
Common Name: Livingston Creeping Juniper
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Spreading

Plant Height: 1.5 - 3 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Steel blue

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Ground cover, specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Still a nice height even after 30 years.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus procumbens **Variety:** nana
Cultivar: California **Family:** Cupressaceae **Tsnum:** 83159
Common Name: California Dwarf Procumbens Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/9/2012
Plant Habit: Spreading
Plant Height: 6-12 in.
Plant Width: 3-4 ft.
Current Seasons Growth: 2-5 in.

Foliage Color: Blue/light green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus procumbens **Variety:** nana
Cultivar: California **Family:** Cupressaceae **Tsnum:** 83159
Common Name: California Dwarf Procumbens Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/9/2012
Plant Habit: Spreading
Plant Height: 8-15 in.
Plant Width: 4-6 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Excellent
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Dwarf, compact habit is very attractive even after 25 years.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus sabina **Variety:** -0-
Cultivar: Arcadia **Family:** Cupressaceae **Tsnum:** 86216
Common Name: Arcadia Savin Juniper
Source: Monrovia Growers **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 5 - 6 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 8 - 12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fruit is showier than almost any other Juniper in this collection.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus sabina **Variety:** -0-
Cultivar: Blue Danube **Family:** Cupressaceae **Tsnum:** 87160
Common Name: Blue Danube Savin Juniper
Source: Oregon Garden Products **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 4 - 4.5 ft.

Plant Width: 18-25 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Predominantly green but with a moderate shade of blue

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Ground cover, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Crowding out neighboring plants. Needs lots of space or regular pruning.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus sabina **Variety:** -0-
Cultivar: Broadmoor **Family:** Cupressaceae **Tsnum:** 78185
Common Name: Broadmoor Savin Juniper
Source: Hines Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Spreading

Plant Height: 2 - 3.5 ft.

Plant Width: 3-5 ft

Current Seasons Growth: 4-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Ground cover, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease: Juniper blight

Disease Severity: 15% of canopy

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Can't say true width of plant since it is getting crowded by nearby plants. Will probably be gone by next evaluation if nearby plants aren't contained.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus sabina **Variety:** -0-
Cultivar: Calgary Carpet **Family:** Cupressaceae **Tsnum:** 83001
Common Name: Calgary Carpet Savin Juniper
Source: Carlton Plants **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Spreading

Plant Height: 0.5 - 1.5 ft.

Plant Width: 6-10 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Grey/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Excellent

Landscape Uses: Ground cover, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus sabina **Variety:** -0-
Cultivar: Idlewild **Family:** Cupressaceae **Tsnum:** 78186
Common Name: Idlewild Savin Juniper
Source: Stribling's Nurseries Inc. **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Spreading

Plant Height: 4 - 6 ft.

Plant Width: 15 - 20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Ground cover, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests: Scale

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice vibrant green color.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus sabina **Variety:** -0-
Cultivar: Mini Arcadia **Family:** Cupressaceae **Tsnum:** 88131
Common Name: Mini Arcadia Savin Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 1.5 - 2 ft.

Plant Width: 10-14 ft

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Excellent

Landscape Uses: Ground cover, Specimen, Shrub border

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Much more attractive form than J. 'Arcadia'. Growth habit is dense and bushy but very uniform even after 20 years. Foliage is a very nice rich green color.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus sabina **Variety:**
Cultivar: Pepin **Family:** Cupressaceae **Tsnum:** 03130
Common Name: Pepin Savin Juniper
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 11/7/2012

Plant Habit: Spreading

Plant Height: 2-3 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Gray/ green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. One of three has severe juniper blight and will be removed. The other two look good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus sabina *Variety:* -0-
Cultivar: Sierra Spreader *Family:* Cupressaceae *Tsnum:* 91159
Common Name: Sierra Spreader Juniper
Source: Hines Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 12-24 in.

Plant Width: 8-12 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Ground cover, Specimen, Xeriscape, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This plant is getting crowded by neighboring plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus sabina **Variety:** -0-
Cultivar: Tamariscifolia New Blue **Family:** Cupressaceae **Tsnum:** 93104
Common Name: New Blue Tammy Juniper
Source: Zelenka Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 2 - 4 ft.

Plant Width: 6-10 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Ground cover, Xeriscape, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Getting crowded by nearby plants.

Nuisances:

Recommended: Yes

Comments on plant: Both plants getting crowded by neighboring plants and one is almost swallowed up. New growth appears to have a shade of blue more than the older mature foliage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus sabina **Variety:** -0-
Cultivar: Von Ehron **Family:** Cupressaceae **Tsnum:** 82180
Common Name: Von Ehron Savin Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Spreading

Plant Height: 5- 7 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green/brownish-yellow buds

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Not for most landscapes as this plant has become a giant and will swallow up any nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus scopulorum *Variety:* -0-
Cultivar: Blue Haven *Family:* Cupressaceae *Tsnum:* 81271
Common Name: Blue Haven Rocky Mtn. Juniper
Source: Wilmore Nurseries *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal to upright oval
Plant Height: 15-20 ft.
Plant Width: 9-14 ft
Current Seasons Growth: 6 - 10 in.

Foliage Color: Blue
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Very nice foliage color.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: *Date of observation:*
Aesthetics: *Persistence:*
Fall Color:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:**
Cultivar: Blue Trail **Family:** Cupressaceae **Tsnum:** 08046
Common Name: Blue Trail Juniper
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 11/2/2012
Plant Habit: Upright, young and fairly undefined
Plant Height: 4-6 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: blue
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, screen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Slow to establish since it is planted at edge of arboretum where irrigation is less

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 and too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus scopulorum *Variety:* -0-
Cultivar: Cologreen *Family:* Cupressaceae *Tsnum:* 87111
Common Name: Cologreen Rocky Mountain Juniper
Source: Zelenka Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 8-11 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Cupressifolia **Family:** Cupressaceae **Tsnum:** 81282
Common Name: Rocky Mtn. Juniper
Source: South Dakota State University **Quantity observed:** 1 **PI #:** 76110

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal becoming upright oval
Plant Height: 15-20 ft.
Plant Width: 16-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Gray Gleam **Family:** Cupressaceae **Tsnum:** 78193
Common Name: Gray Gleam Rocky Mountain Juniper
Source: Bath Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 14-18 ft.

Plant Width: 10-15 ft

Current Seasons Growth: 6 - 8 in.

Foliage Color: Gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border, screen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Great color and form except for some snow load damage in 2003.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus scopulorum *Variety:* -0-
Cultivar: Macfarlane *Family:* Cupressaceae *Tsnum:* 81272
Common Name: Macfarlane Rocky Mtn. Juniper
Source: Denver Botanic Gardens *Quantity observed:* 2 *PI #:* 61171

Observation Date of Plant: 11/7/2012

Plant Habit: Columnar

Plant Height: 20-30 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Gray/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, screen, narrow areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is very uniform and impressive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus scopulorum *Variety:* -0-
Cultivar: Medora *Family:* Cupressaceae *Tsnum:* 86219
Common Name: Medora Rocky Mountain Juniper
Source: Monrovia Growers *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Columnar or narrowly pyramidal
Plant Height: 12-18 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6 - 10 in.

Foliage Color: Gray/blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Deformed by snow load in 2003 but looks okay in 2012.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: *Date of observation:*
Aesthetics: *Persistence:*
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Medora **Family:** Cupressaceae **Tsnum:** 87170
Common Name: Medora Rocky Mountain Juniper
Source: Monrovia Growers **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Columnar

Plant Height: 9-13 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border, screen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two deformed by snow in 2003 but looks fairly normal now.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Pathfinder **Family:** Cupressaceae **Tsnum:** 83170
Common Name: Pathfinder Rocky Mountain Juniper
Source: Zelenka Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 15-20 ft.

Plant Width: 15 -20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Gray

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests: Galls

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Deformed by snow load in 2003 but looks fairly normal by 2010.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus scopulorum **Variety:**
Cultivar: Sky Rocket **Family:** Cupressaceae **Tsnum:** 98091
Common Name: Skyrocket Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/2/2012
Plant Habit: Upright oval/pyramidal
Plant Height: 8-11 ft.
Plant Width: 9-12 ft.
Current Seasons Growth: 8-15 in.

Foliage Color: Gray
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair and poor
Landscape Uses: Specimen, xeriscape, shrub border, screen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Deformed by snow load in 2003. One of two trees appeared to have the top half slowly dying from unknown cause in 2010 but there was no dieback in 2012. Both would look much better if not for snow damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Sutherland **Family:** Cupressaceae **Tsnum:** 78190
Common Name: Sutherland Rocky Mountain Juniper
Source: Fort Collins Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal to irregular/round as it matures.
Plant Height: 8-12 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Growth habit is very poor due to past snow damage.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Sutherland **Family:** Cupressaceae **Tsnum:** 89099
Common Name: Sutherland Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal to irregular/round as it matures.
Plant Height: 8-12 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Galls

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Deformed by snow load spring of 2003 but looks okay in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus scopulorum *Variety:* -0-
Cultivar: Tollison Weeping *Family:* Cupressaceae *Tsnum:* 78192
Common Name: Tollison Weeping Rocky Mountain Juniper
Source: Bath Nursery *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Pyramidal to upright oval

Plant Height: 22-28 ft.

Plant Width: 25-32 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Gray/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Top broke out in one of two trees by Spring snow in 2003. Makes a good character plant for the landscape due to the weeping growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus scopulorum *Variety:* -0-
Cultivar: Welchii *Family:* Cupressaceae *Tsnum:* 84173
Common Name: Welch Rocky Mountain Juniper
Source: American Nursery Product/Mi *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Irregular, upright

Plant Height: 12-18 ft.

Plant Width: 12-18 ft

Current Seasons Growth: 6 - 12 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Deformed by snow load in 2003. Very misshapen but starting to look acceptable.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Winter Blue **Family:** Cupressaceae **Tsnum:** 83348
Common Name: Winter Blue Rocky Mountain Juniper
Source: Unknown **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Spreading

Plant Height: 5-8 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Blue/gray

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has intense gray foliage color.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Witchita Blue **Family:** Cupressaceae **Tsnum:** 83160
Common Name: Witchita Blue Rocky Mountain Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Pyramidal to upright oval

Plant Height: 15-20 ft.

Plant Width: 12-18 ft

Current Seasons Growth: 1-2 in.

Foliage Color: Blue

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests: Scale

Pest Severity: Moderate injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of the three is deformed by breakage due to snow.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus scopulorum *Variety:* -0-
Cultivar: Woodward Columnar *Family:* Cupressaceae *Tsnum:* 81296
Common Name: Woodward Columnar Rocky Mtn. Juniper
Source: Denver Botanic Gardens *Quantity observed:* 1 *PI #:* PN464

Observation Date of Plant: 11/7/2012

Plant Habit: Columnar

Plant Height: 25-32 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green/gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Similar to 'MacFarlane' except it seem taller and thinner. Excellent, uniform growth habit requires no pruning.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus squamata **Variety:** -0-
Cultivar: Blue Carpet **Family:** Cupressaceae **Tsnum:** 88165
Common Name: Blue Carpet Singleseed Juniper
Source: Monrovia Growers **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Arching, spreading

Plant Height: 3-4 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 6-10 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Older foliage is turning brown and looks unattractive - may need more irrigation.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus squamata **Variety:** -0-
Cultivar: Meyeri **Family:** Cupressaceae **Tsnum:** 78195
Common Name: Meyer Singleseed Juniper
Source: Colorado Nurseryman **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/7/2012
Plant Habit: Irregular or partly vase shaped
Plant Height: 10 - 15 ft.
Plant Width: 10-15 ft
Current Seasons Growth: 4-8 in.

Foliage Color: Blue/green
Bark Characteristics: Important
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Plant growth habit is too coarse for most landscapes but has a lot of character. Seems to be in decline possibly from too much competition from nearby plants for water.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus squamata **Variety:** -0-
Cultivar: Parsonii **Family:** Cupressaceae **Tsnum:** 82181
Common Name: Parson's Singleseed Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Spreading

Plant Height: 2-3 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Ground cover, Xeriscape, Shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably look better if it had more uniform irrigation but this one is at edge of arboretum where it is less uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus virginiana *Variety:* -0-
Cultivar: Burkii *Family:* Cupressaceae *Tsnum:* 88200
Common Name: Burk Eastern Red Cedar
Source: Hines Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal
Plant Height: 13-17 ft.
Plant Width: 18-25 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Gray
Bark Characteristics: Not very important
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Canopy isn't very dense.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus virginiana **Variety:** -0-
Cultivar: Cupressifolia **Family:** Cupressaceae **Tsnum:** 81285
Common Name: Eastern Red Cedar
Source: South Dakota State University **Quantity observed:** 1 **PI #:** 76114

Observation Date of Plant: 11/7/2012

Plant Habit: Pyramidal

Plant Height: 18-24 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6 - 10 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably be healthier if not crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus virginiana **Variety:** -0-
Cultivar: Grey Owl **Family:** Cupressaceae **Tsnum:** 86146
Common Name: Grey Owl Eastern Red Cedar
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Spreading becoming irregular
Plant Height: 7-9 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Gray
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Nice color but growth habit isn't very uniform. Most of plant is about three to four feet tall but part is becoming more tree-like and upright. Fruit is showy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Juniperus virginiana **Variety:** cupressifolia
Cultivar: Hillspire **Family:** Cupressaceae **Tsnum:** 78196
Common Name: Hillspire Eastern Red Cedar
Source: Bath Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 20-25 ft.

Plant Width: 25-30 ft.

Current Seasons Growth: 6 - 10 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage has a nice rich green color and combines well with the fruit for an attractive overall appearance. Growth habit is somewhat irregular due to snow damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus virginiana **Variety:** -0-
Cultivar: Manhattan Blue **Family:** Cupressaceae **Tsnum:** 78198
Common Name: Manhattan Blue Eastern Red Cedar
Source: Bath Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Pyramidal

Plant Height: 24-30 ft.

Plant Width: 25-33 ft.

Current Seasons Growth: 4-7 in.

Foliage Color: Blue/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Looks a little too coarse for most landscapes. Vigor is low but may perform better if not as crowded by neighboring plants as this one.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Juniperus virginiana **Variety:** -0-
Cultivar: Sky Rocket **Family:** Cupressaceae **Tsnum:** 83161
Common Name: Sky Rocket Eastern Red Cedar
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Irregular to pyramidal

Plant Height: 12-18 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Gray/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Susceptible to storm damage

Recommended: Marginal

Comments on plant: Severely deformed by spring snow in 2003. Only one of two trees is slowly regaining a decent appearance.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Kerria japonica *Variety:* pleniflora
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 84117
Common Name: Japanese Kerria
Source: Sherman Nursery *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 10/2/2013
Plant Habit: Broad oval
Plant Height: 3-5 ft.
Plant Width: 7-9 ft
Current Seasons Growth: 15-30 in.

Foliage Color: Light green/yellow
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks good in 2013 which doesn't happen too often.

Observation Date of Flowers: 6/26/2006

Flower Color: Yellow

Flower Type: Single

Flower Effect: Fair to good

% of Flower Coverage: 30-40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Koelreuteria paniculata **Variety:**
Cultivar: **Family:** Sapindaceae **Tsnum:** 96092
Common Name: Golden Rain Tree
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/28/2012
Plant Habit: Round to irregular
Plant Height: 15-20 ft.
Plant Width: 20-25 ft
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Inactive

Cultural Problems:

Nuisances: Getting a lot of seedlings nearby.

Recommended: Yes

Comments on plant: Growth habit is a little lopsided due to past storm damage. Fruit is very ornamental.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 9/26/2006

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Kolkwitzia amabilis **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 81107
Common Name: Beautybush
Source: Monrovia Growers **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Irregular, arching

Plant Height: 6 - 9 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit isn't very uniform.

Observation Date of Flowers: 5/29/2006

Flower Color: Light Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: This plant is extremely showy when flowering.

Fall Color or Fruit: Fall color

Date of observation: 9/23/2005

Aesthetics: Good

Persistence: 2-4 weeks

Fall Color: dark red, purple, orange

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Kolkwitzia amabilis **Variety:**
Cultivar: Pink Cloud **Family:** Caprifoliaceae **Tsnum:** 04006
Common Name: Pink Cloud Beauty Bush
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/1/2012

Plant Habit: Irregular, upright

Plant Height: 5-7 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 16-24 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 5/29/2006

Flower Color: Light Pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Should have more flowers as it becomes better established.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Larix decidua **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 82229
Common Name: European Larch
Source: Fort Collins Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/27/2012

Plant Habit: Pyramidal

Plant Height: 25-40 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Needles have a very soft texture. Winter appearance isn't very attractive after needles fall off but it looks great in spring when bright green needles emerge.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Larix kaempferi *Variety:* -0-
Cultivar: -0- *Family:* Pinaceae *Tsnum:* 91066
Common Name: Japanese Larix
Source: Washington Park Arboretum *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/27/2012
Plant Habit: Narrow, pyramidal
Plant Height: 19-23 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Canopy is a too thin to look good. Looks very leggy. May be a little too crowded by nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Larix kaempferi

Variety:

Cultivar: Diana

Family: Pinaceae

Tsnum: 09135

Common Name: Diana Japanese Larch

Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 7/15/2011

Plant Habit: Upright, irregular

Plant Height: 7-8 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 5-8 in.

Foliage Color: Light green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2009. Twisted branches add considerable interest. Some chlorosis on all tips and a few have dieback from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Date of observation:

Aesthetics:

Persistence:

Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Larix sibirica *Variety:* -0-
Cultivar: -0- *Family:* Pinaceae *Tsnum:* 80115
Common Name: Siberian Larch
Source: USDA, Glendale, MD *Quantity observed:* 1 *PI #:* PI262713

Observation Date of Plant: 9/27/2012

Plant Habit: Pyramidal

Plant Height: 18-22 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-8 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Canopy is a little too open and thin to rate aesthetics as good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Bright yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ligistrum foliosum *Variety:* -0-
Cultivar: -0- *Family:* Oleoaceae *Tsnum:* 91065
Common Name: Privet
Source: Washington Park Arboretum *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval to round

Plant Height: 6-8 ft.

Plant Width: 6-10 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Most years this selection has superior fruit quantity and is very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Ligustrum amurense *Variety:* -0-
Cultivar: -0- *Family:* Oleaceae *Tsnum:* 85081
Common Name: Golden Hillside Privet
Source: Jewell Nursery, Inc. *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Broad oval

Plant Height: 6-9 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6-8 in.

Foliage Color: Yellow foliage on outer branches and medium green towards the inner branches.

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Leaf color may be confused with chlorosis.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ligustrum ibota **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 81090
Common Name: Privet
Source: US Nat'l Arboretum **Quantity observed:** 3 **PI #:** NA45241

Observation Date of Plant: 9/27/2012
Plant Habit: Upright oval when young and becoming more rounded.
Plant Height: 8 - 12 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Two of three rejuvenated in 2009 and have great vigor.

Observation Date of Flowers: 6/5/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 20-40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers are tiny and don't add a great deal of color. Fragrant.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ligustrum obtusifolium **Variety:**
Cultivar: **Family:** Oleaceae **Tsnum:** 99029
Common Name: Border Privet
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** Ames 25097

Observation Date of Plant: 10/9/2013

Plant Habit: Round

Plant Height: 3-5 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 3-6 in

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2005. Growth habit seems a little more compact than most Ligustrums. Would probably look better with more sunlight.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ligustrum obtusifolium **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 81091
Common Name: Privet
Source: US Nat'l Arboretum **Quantity observed:** 3 **PI #:** NA45039

Observation Date of Plant: 9/27/2012

Plant Habit: broad oval

Plant Height: 8 - 11 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Two of three were rejuvenated in 2009.

Observation Date of Flowers: 6/5/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers are tiny and don't add a great deal of color. Fragrant.

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 10/1/2006

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ligustrum obtusifolium *Variety:* -0-
Cultivar: -0- *Family:* Oleaceae *Tsnum:* 90055
Common Name: Border Privet
Source: USDA/NC-7, Ames, IA *Quantity observed:* 1 *PI #:* pi477010

Observation Date of Plant: 10/9/2013
Plant Habit: Broad oval
Plant Height: 4 - 6 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ligustrum vulgare **Variety:**
Cultivar: Lodense **Family:** Oleaceae **Tsnum:** 06019
Common Name: Lodense Privet
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/27/2012

Plant Habit: Round

Plant Height: 3-5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very attractive growth habit and foliage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ligustrum x vicaryi **Variety:**
Cultivar: **Family:** Oleaceae **Tsnum:** 07077
Common Name: Golden Vicary Privet
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/26/2012
Plant Habit: Upright oval
Plant Height: 4-5 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Tips of stem are a light yellow/green hence the 'golden' part of the name.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Liriodendron tulipifera **Variety:**
Cultivar: JFA-Oz **Family:** Magnoliaceae **Tsnum:** 09016
Common Name: Emerald City Tuliptree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/27/2013
Plant Habit: Young, undefined
Plant Height: 8-12 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. This is a good looking tree with excellent vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Lonicera alpigena

Variety:

Cultivar: 24598

Family: Caprifoliaceae

Tsnum: 03027

Common Name: Alpine Honeysuckle

Source: USDA/NC-7, Ames, IA

Quantity observed:

2

PI #: 24598

Observation Date of Plant: 10/8/2012

Plant Habit: Round

Plant Height: 3-4.5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Fruit looks very similar to a pie cherry but half as big. It is an interesting feature but is often hiding under foliage so not too showy. Attractive growth habit - more compact than most Lonicera.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Date of observation:

Aesthetics:

Persistence:

Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Lonicera alpigena *Variety:* -0-
Cultivar: Nana *Family:* Caprifoliaceae *Tsnum:* 85099
Common Name: Dwarf Alps Honeysuckle
Source: Bailey Nurseries *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Broad oval

Plant Height: 4 - 6 ft.

Plant Width: 6 - 10 ft

Current Seasons Growth: 6-10 in.

Foliage Color: Medium to dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2011 and would look better with more sunlight.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Lonicera claveyi **Variety:** nana
Cultivar: Miniglobe **Family:** Caprifoliaceae **Tsnum:** 86158
Common Name: Miniglobe Clavey's Honeysuckle
Source: Bailey Nurseries **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Round to broad oval

Plant Height: 4-6 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice dense growth habit is very attractive. Plants that are in almost full shade have low vigor and are smaller. Would probably look better with more sunlight.

Observation Date of Flowers: 5/26/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 20-30%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Few flowers - not very showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Lonicera fragrantissima **Variety:**
Cultivar: **Family:** Caprifoliaceae **Tsnum:** 95004
Common Name: Winter Honeysuckle
Source: Sherman Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/8/2012

Plant Habit: Arching

Plant Height: 3-5 ft.

Plant Width: 4-8 ft.

Current Seasons Growth: 12-18 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2002. Canopy still looks a little thin and leggy - may do better in a sunnier site.

Observation Date of Flowers: 3/27/2012

Flower Color: white

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 20-30%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Very nice fragrance but very few.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Lonicera hybrid *Variety:* -0-
Cultivar: #14 *Family:* Caprifoliaceae *Tsnum:* 93120
Common Name: Honeysuckle
Source: USDA/NC-7, Ames, IA *Quantity observed:* 1 *PI #:* 20062

Observation Date of Plant: 10/8/2012
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to poor
Insect Pests: Aphids
Pest Severity: Severe injury
Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Growth habit is leggy but may look better in full sun.

Observation Date of Flowers: 5/2/2006

Flower Color: Red

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Lonicera involucrata **Variety:** -0-
Cultivar: Flavescens **Family:** Caprifoliaceae **Tsnum:** 83023
Common Name: Twinberry
Source: Blardy Experiment Farm **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Round to broad oval

Plant Height: 9-12 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Fair

Insect Pests: Aphids

Pest Severity: Moderate injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Aphids casing witch's broom decreasing appearance. A little crowded and difficult to determine true growth habit.

Observation Date of Flowers: 5/19/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-95%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Lonicera korolkowii **Variety:** -0-
Cultivar: Floribunda **Family:** Caprifoliaceae **Tsnum:** 81316
Common Name: Blueleaf Honeysuckle
Source: USDA, Cheyenne **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/8/2012

Plant Habit: Arching

Plant Height: 8-10 ft.

Plant Width: 12-15 ft.

Current Seasons Growth: 2-4 ft.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Great leaf color. Two of three rejuvenated in 2007 but slow to regain form probably due to increased shade since original planting.

Observation Date of Flowers: 5/26/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 75-85%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Lonicera korolkowii floribunda *Variety:*
Cultivar: Blue Velvet *Family:* Caprifoliaceae *Tsnum:* 97261
Common Name: Blue Velvet Honeysuckle
Source: Fort Collins Nursery *Quantity observed:* 4 *PI #:*

Observation Date of Plant: 10/9/2012
Plant Habit: Broad oval
Plant Height: 7-10 ft.
Plant Width: 10-14 ft
Current Seasons Growth: 1-3 ft.

Foliage Color: Blue/green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Excellent
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Looks leggy when young but has great leaf color.

Observation Date of Flowers: 5/26/2006
Flower Color: Lt. Pink
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 75-90%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Lonicera maacki podocarpa *Variety:*
Cultivar: Rem Red *Family:* Caprifoliaceae *Tsnum:* 95017
Common Name: Rem Red Honeysuckle
Source: Forrest Keeling Nursery *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 10/9/2012
Plant Habit: Broad oval, arching
Plant Height: 10-15 ft.
Plant Width: 20-28 ft.
Current Seasons Growth: 24-36 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage and fruit still looks fresh and green late in year.

Observation Date of Flowers: 5/26/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 80-90%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Lonicera maackii **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 90056
Common Name: Amur Honeysuckle
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** pi477998

Observation Date of Plant: 10/8/2012
Plant Habit: Broad oval
Plant Height: 7-10 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair
Insect Pests: Aphids
Pest Severity: Minor injury
Plant Disease: Leaf spot
Disease Severity: Minor injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One of the best Lonicera for attractive fruit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Lonicera prolifera

Variety:

Cultivar:

Family: Caprifoliaceae

Tsnum: 00063

Common Name: Grape Honeysuckle

Source: USDA/NC-7, Ames, IA

Quantity observed: 1 **PI #:** -

Observation Date of Plant: 9/15/2012

Plant Habit: Creeping (ground cover)

Plant Height: 5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 1 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Vine, ground cover, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Not a lot of vigor despite a good location.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Date of observation:

Aesthetics:

Persistence:

Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Lonicera reticulata **Variety:**
Cultivar: Kintzley's Ghost **Family:** Caprifoliaceae **Tsnum:** 07147
Common Name: Kintzley's Ghost Honeysuckle
Source: Plant Select **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Vine

Plant Height: 4 ft. on a fence

Plant Width: 6-10 ft.

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Blue/gray

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2007.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Lonicera sempervirens **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 93057
Common Name: Scarlet Trumpet Honeysuckle
Source: Sjulín Nurseries **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/17/2012

Plant Habit: Vine

Plant Height: 4-6 ft on a fence

Plant Width: 10-12 ft.

Current Seasons Growth: 2 - 4 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Ground cover, screen, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 6/15/2012

Flower Color: Bright rose/pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Very floriferous and showy

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Lonicera tatarica **Variety:** -0-
Cultivar: Siberica **Family:** Caprifoliaceae **Tsnum:** 82217
Common Name: Siberian Honeysuckle
Source: USDA, Mandan, ND **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Broad oval
Plant Height: 8-12 ft.
Plant Width: 10-15 ft
Current Seasons Growth: 2-4 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Would probably look better with more sunlight. Rejuvenated back in 2001 and may need it again. Slowly starting to colonize nearby area.

Observation Date of Flowers: 6/2/2003

Flower Color: White/pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Lonicera x **Variety:**
Cultivar: Freedom **Family:** Caprifoliaceae **Tsnum:** 84245
Common Name: Freedom Honeysuckle
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** -

Observation Date of Plant: 10/9/2012

Plant Habit: Arching

Plant Height: 8-12 ft.

Plant Width: 18-25 ft.

Current Seasons Growth: 1-3 ft.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage color is much less blue/gray than Lonicera korolkowii but still attractive.
Has some leggy stems.

Observation Date of Flowers: 6/2/2003

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Lonicera x **Variety:**
Cultivar: Honeyrose **Family:** Caprifoliaceae **Tsnum:** 96088
Common Name: Honeyrose Honeysuckle
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/8/2012

Plant Habit: Upright oval to round

Plant Height: 2-4 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 20-30 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests: Aphids

Pest Severity: Moderate injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Rejuvenated in 2011. Some witches brooming from aphids is unattractive.

Observation Date of Flowers: 6/2/2003

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Lonicera xylosteum **Variety:**
Cultivar: Emerald Mound **Family:** Caprifoliaceae **Tsnum:** 98017
Common Name: Emerald Mound Honeysuckle
Source: Mount Arbor Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/5/2012

Plant Habit: Irregular to broad oval

Plant Height: 2 - 3 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Dark blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Maackia amurensis **Variety:**
Cultivar: **Family:** Fabaceae **Tsnum:** 00066
Common Name: Amur maackia
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/1/2012
Plant Habit: Upright oval to round
Plant Height: 6 - 9 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker on one of two

Disease Severity: Moderate to severe injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2003. Vandals removed about 50% of canopy in 2005 one of two trees. Has good growth increments despite large canker one of two trees.

Observation Date of Flowers: 6/25/2007

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 30-40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Maackia amurensis **Variety:**
Cultivar: Starburst **Family:** Fabaceae **Tsnum:** 05007
Common Name: Starburst Amur Maackia
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/11/2012

Plant Habit: Upright oval

Plant Height: 8-12 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2010. Still trying to gain vigor - canopy is a little sparse.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Magnolia acuminata *Variety:*
Cultivar: *Family:* Magnoliaceae *Tsnum:* 04197
Common Name: Cucumbertree Magnolia
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 10-15 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 6-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2005. Large, attractive foliage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Magnolia liliflora x stellata *Variety:*
Cultivar: Susan *Family:* Magnoliaceae *Tsnum:* 05012
Common Name: Susan Magnolia
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 9/27/2013
Plant Habit: Upright oval
Plant Height: 4-5 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 1-3 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Located in difficult area to irrigate at edge of arboretum.

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2005. Entire plant is moderately chlorotic with some brown edges due to inadequate irrigation at edge of arboretum. In decline and may not survive. About 50% of canopy died back and was pruned out in 2013.

Observation Date of Flowers: 5/2/2006

Flower Color: Mostly purple with shades of white on inner petals.

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 10-20%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Plant still trying to get established after planting.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Magnolia soulangiana **Variety:** -0-
Cultivar: Alexandria **Family:** Magnoliaceae **Tsnum:** 80040
Common Name: Alexandria Saucer Magnolia
Source: Brigg's Nursery Inc. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Upright oval to round

Plant Height: 10-14 ft.

Plant Width: 15 -18 ft.

Current Seasons Growth: 1-2 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Poor to fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Located in difficult area to irrigate at edge of arboretum.

Nuisances:

Recommended: Marginal

Comments on plant: Entire plant is very chlorotic with low vigor. Some major branches removed due to dieback (about 25% of canopy in 2013).

Observation Date of Flowers: 4/14/2006

Flower Color: White/Purple

Flower Type: Single

Flower Effect: Excellent

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowering even on lower areas of the plant. Seems to open 5-7 days earlier than M. 'Galaxy'

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Magnolia x
Cultivar: Ann
Common Name: Ann Magnolia
Source: Bailey Nurseries

Family: Magnoliaceae

Variety:
Tsnum: 08044

Quantity observed: 2 **PI #:**

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval to round

Plant Height: 2-4 ft.

Plant Width: 3-4.5 ft.

Current Seasons Growth: 6-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good to fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Both plants are in a difficult area to irrigate at edge of arboretum.

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. One of plants is less vigorous but vigor would probably improve with more irrigation.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Magnolia x
Cultivar: Galaxy
Common Name: Galaxy Magnolia
Source: US Nat'l Arboretum

Family: Magnoliaceae

Variety: -0-
Tsnum: 83010

Quantity observed: 1
PI #: NA28352-14

Observation Date of Plant: 10/1/2013
Plant Habit: Upright oval to round
Plant Height: 12-18 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 5-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Snow load has deformed one large stem - about 20% of canopy.

Observation Date of Flowers: 4/14/2006
Flower Color: White on upper side/Purple on lower side of petal
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 50-60%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: fair
Fall Color: Yellow

Date of observation: 10/6/2008
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Mahonia aquifolium **Variety:**
Cultivar: John Muir **Family:** **Tsnum:** 13118
Common Name: John Muir Oregon Grape Holly
Source: **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/30/2013

Plant Habit: Upright oval

Plant Height: 3 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 1-2 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend. Would probably look better if it had not been forced into leaf for Garden and Home show.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Mahonia haematocarpa *Variety:*
Cultivar: *Family:* Berberidaceae *Tsnum:* 97246
Common Name: Mahonia
Source: Fort Collins Nursery *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/21/2011

Plant Habit: Upright to irregular

Plant Height: 4-5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 2-3 ft.

Foliage Color: Blue/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, barrier, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2009. Nice foliage color and foliage shape but also has very sharp tips which can be annoying . Growth habit is a little leggy.

Observation Date of Flowers:

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowering date lost due to software problem.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Malus **Variety:**
Cultivar: Dolgo **Family:** Rosaceae **Tsnum:** 76064
Common Name: Dolgo Crabapple
Source: unknown source **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/26/2013

Plant Habit: Round

Plant Height: 20-30 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 6-12in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, areas that have height limits.

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Dependable over many years.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus **Variety:** -0-
Cultivar: Guenevere **Family:** Rosaceae **Tsnum:** 92118
Common Name: Guenevere Crabapple
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/26/2013

Plant Habit: Broad oval

Plant Height: 8-11 ft.

Plant Width: 12-18 ft

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/29/2006

Flower Color: White/Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Red buds are striking combined with white flowers.

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Orange/yellow with a
hint of red

Date of observation: 10/20/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus
Cultivar: Malusquest **Family:** Rosaceae **Variety:**
Common Name: Pink Sparkles Crabapple **Tsnum:** 11021
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/28/2013

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Fire blight

Disease Severity: Slight

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus **Variety:**
Cultivar: Pink Spires **Family:** Rosaceae **Tsnum:** 09046
Common Name: Pink Spires Crabapple
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 6-7 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green with red veins and petioles

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus sargentii **Variety:**
Cultivar: Beeson **Family:** Rosaceae **Tsnum:** 07024
Common Name: May's Delight Flowering Crab
Source: Femrite Nursery Company **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/26/2013

Plant Habit: Upright oval

Plant Height: 7-10 ft

Plant Width: 6-10 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Wildlife, specimen, small/confined areas

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2009. Weak health and moderate suckering one of two trees. About 40-50% of canopy never leafed out but cause is unknown and was pruned out. Second tree looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus sargentii **Variety:**
Cultivar: Select A **Family:** Rosaceae **Tsnum:** 00159
Common Name: Firebird Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/26/2013

Plant Habit: Upright oval

Plant Height: 10-13 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2004. Looks much healthier than last evaluation.

Observation Date of Flowers: 5/5/2006

Flower Color: Pink buds, white flowers

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 10/20/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus sp. *Variety:*
Cultivar: Makamik *Family:* Rosaceae *Tsnum:* 94047
Common Name: Makamik Crabapple
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 10-14 ft.

Plant Width: 10-14 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: No suckering.

Recommended: Yes

Comments on plant: Medium sized fruit (1/2 - 3/4"). About 5% of canopy has some tip dieback from unknown cause.

Observation Date of Flowers: 4/22/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x **Variety:** -0-
Cultivar: American Beauty **Family:** Rosaceae **Tsnum:** 82119
Common Name: American Beauty Flowering Crabapple
Source: Mount Arbor Nursery **Quantity observed:** 4 **PI #:** -0-

Observation Date of Plant: 8/27/2013

Plant Habit: Vase to broad oval

Plant Height: 15-20 ft.

Plant Width: 25-40 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Needs above average pruning to avoid major branch crossing. Has light to moderate suckering.

Observation Date of Flowers: 4/24/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present: no

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: golden yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x **Variety:** -0-
Cultivar: Brandywine **Family:** Rosaceae **Tsnum:** 83138
Common Name: Brandywine Flowering Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/26/2013

Plant Habit: Broad oval to round

Plant Height: 15-20 ft.

Plant Width: 25-30 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate to heavy suckering.

Recommended: Yes

Comments on plant: Flowers can be spectacular but fruit is large (1.5-2") and can make a mess in the Fall.

Observation Date of Flowers: 4/29/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Very spectacular this year. Nice double petals - buds appear as large pink marbles.

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: red, orange

Date of observation: 10/15/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x
Cultivar: Canary
Common Name: Canary Crabapple
Source: Bailey Nurseries

Family: Rosaceae

Variety:
Tsnum: 02078

Quantity observed: 1 **PI #:**

Observation Date of Plant: 9/26/2013

Plant Habit: Upright oval

Plant Height: 10-15 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 20-30 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering

Recommended: Yes

Comments on plant: Planted in 2009.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x **Variety:** -0-
Cultivar: Centurion **Family:** Rosaceae **Tsnum:** 87102
Common Name: Centurion Flowering Crabapple
Source: A. McGill & Son Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/26/2013

Plant Habit: Round to broad oval

Plant Height: 12-17 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 1-4 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Two trees had mild chlorosis and all have low vigor.

Observation Date of Flowers: 4/29/2006

Flower Color: Lt. Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x
Cultivar: Cinzam **Family:** Rosaceae **Variety:**
Common Name: Cinderella Dwar Crabapple **Tsnum:** 02009
Source: Femrite Nursery Company **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/26/2013

Plant Habit: Round, dwarf

Plant Height: 4-5 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 1 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Wildlife, specimen, confined areas

Overall Plant Health: Fair

Insect Pests: none

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: May need more irrigation

Nuisances:

Recommended: Marginal

Comments on plant: Moderate amount of chlorosis throughout canopy. Has a large area of damaged trunk from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x **Variety:** -0-
Cultivar: Coralburst **Family:** Rosaceae **Tsnum:** 78086
Common Name: Coralburst Flowering Crabapple
Source: Cole Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/27/2013

Plant Habit: Broad oval, multistem

Plant Height: 10-14 ft.

Plant Width: 20-28 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: No suckering

Recommended: Yes

Comments on plant: Nice uniform canopy shape.

Observation Date of Flowers: 4/26/2006

Flower Color: White/Red

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 10-15%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: White on inside of petal, red on outside. Seems to be flowering mostly in alternate years.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x *Variety:* -0-
Cultivar: Flame *Family:* Rosaceae *Tsnum:* 83147
Common Name: Flame Flowering Crabapple
Source: Jewell Nursery, Inc. *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 9/26/2013

Plant Habit: Broad oval

Plant Height: 12-18 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, areas of overhead restrictions

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: May have a wider growth habit if it had more space.

Observation Date of Flowers: 4/22/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Pink blush to bud.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x *Variety:* -0-
Cultivar: Inglis *Family:* Rosaceae *Tsnum:* 78090
Common Name: Inglis Flowering Crabapple
Source: Unknown *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/26/2013
Plant Habit: Broad oval
Plant Height: 12-18 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/29/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x **Variety:** -0-
Cultivar: Liset **Family:** Rosaceae **Tsnum:** 90028
Common Name: Liset Crab
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/26/2013

Plant Habit: Broad oval

Plant Height: 10 - 12 ft.

Plant Width: 18-24 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering.

Recommended: No

Comments on plant: Dark red fruit with white haze obscuring color. Canopy is a little thin with severe chlorosis on many tips of one tree. Second tree has mild chlorosis.

Observation Date of Flowers: 4/29/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Malus x **Variety:**
Cultivar: Lollizam **Family:** Rosaceae **Tsnum:** 98029
Common Name: Lollipop Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/27/2013

Plant Habit: Round

Plant Height: 6-8 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Wildlife, specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Fire blight

Disease Severity: 20% of canopy died and was pruned out

Cultural Problems: May need more irrigation.

Nuisances:

Recommended: Marginal

Comments on plant: Low vigor may be related to lower irrigation at edge of arboretum. Planted in 2004. Water sprouts from rootstock are vigorous and need to be removed. Scion seems to be losing dwarf nature with very vigorous growth on some branches.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Malus x **Variety:**
Cultivar: Pink Satin Crabapple **Family:** Rosaceae **Tsnum:** 02083
Common Name: Pink Satin Crabapple
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/27/2013
Plant Habit: Broad oval to round
Plant Height: 10-15 ft.
Plant Width: 14-17 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003.

Observation Date of Flowers: 4/29/2006

Flower Color: Lt. Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x
Cultivar: Prairie Fire
Common Name: Prairie Fire Crabapple
Source: Carlton Plants

Family: Rosaceae
Quantity observed: 1

Variety:
Tsnum: 09077
PI #:

Observation Date of Plant: 9/27/2013
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Red/green with dark red veins and petiole.
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Growth habit is a little leggy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Malus x **Variety:**
Cultivar: Prairie Maid **Family:** Rosaceae **Tsnum:** 02080
Common Name: Prairie Maid Crabapple
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/26/2013
Plant Habit: Irregular to round
Plant Height: 8-12 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Moderate suckering. Growth and vigor are not uniform. Fruit turns red fairly quick compared to older cultivars.

Observation Date of Flowers: 5/3/2006

Flower Color: Dark Pink

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 30-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowering may improve as the tree becomes further established - just planted within the last two years.

Fall Color or Fruit: Fall color

Date of observation: 10/25/2009

Aesthetics: good

Persistence: 1-2 weeks

Fall Color: Yellow/orange

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x
Cultivar: Red Barron
Common Name: Red Barron Crabapple
Source: Carlton Plants

Family: Rosaceae
Quantity observed: 1

Variety:
Tsnum: 09079
PI #:

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 8-12 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, small areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x
Cultivar: Red Jewell
Common Name: Red Jewell Flowering Crabapple
Source: Cole Nursery

Family: Rosaceae
Quantity observed: 2

Variety: -0-
Tsnum: 78089
PI #: -0-

Observation Date of Plant: 9/26/2013

Plant Habit: Round to broad oval

Plant Height: 15-18 ft.

Plant Width: 25-30 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, restricted height areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate to profuse suckering.

Recommended: Yes

Comments on plant: Some leaves have a mottled green coloring which doesn't affect aesthetics much but may indicate disease is starting.

Observation Date of Flowers: 4/24/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good to fair

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Poor

Fall Color: Yellow, brown

Date of observation: 10/20/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x **Variety:** -0-
Cultivar: Red Silver **Family:** Rosaceae **Tsnum:** 82095
Common Name: Red Silver Flowering Crabapple
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/26/2013

Plant Habit: Broad oval

Plant Height: 14-18 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Dark green, shades of red

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering.

Recommended: Yes

Comments on plant: Foliage is dark green with a dark red blush.

Observation Date of Flowers: 4/24/2006

Flower Color: Dark Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/9/2003

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: deep red, orange, purple

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x *Variety:* -0-
Cultivar: Royal Red *Family:* Rosaceae *Tsnum:* 78088
Common Name: Royal Red Flowering Crabapple
Source: Cole Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/27/2013

Plant Habit: Round to broad oval

Plant Height: 12-18 ft.

Plant Width: 15-25 ft.

Current Seasons Growth: 1-2 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering.

Recommended: No

Comments on plant: Entire tree is moderately to severely chlorotic with declining vigor. Had about 20-30% of canopy with dieback that was pruned out.

Observation Date of Flowers: 4/29/2006

Flower Color: Dark Pink

Flower Type: Cluster

Flower Effect: Fair to poor

% of Flower Coverage: 15-30%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Large flowers but very few. Color is less intense or dull compared to most other crabapples.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x
Cultivar: Silver Drift
Common Name: Silver Drift Crabapple
Source: Bailey Nurseries

Family: Rosaceae
Quantity observed: 1

Variety:
Tsnum: 02082
PI #:

Observation Date of Plant: 9/26/2013

Plant Habit: Round

Plant Height: 10-14 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: No suckering

Recommended: Yes

Comments on plant: Planted in arboretum in 2003.

Observation Date of Flowers: 4/24/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x **Variety:**
Cultivar: Sinai Fire **Family:** Rosaceae **Tsnum:** 90121
Common Name: Sinai Fire Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/27/2013
Plant Habit: Broad oval
Plant Height: 10-14 ft.
Plant Width: 22-28 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, height restricted areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: No suckering

Recommended: Yes

Comments on plant: Looks better than last evaluation.

Observation Date of Flowers: 4/25/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x
Cultivar: Sugar Tyme **Family:** Rosaceae
Common Name: Sugar Tyme Flowering Crabapple
Source: A. McGill & Son Nursery **Quantity observed:** 2 **PI #:** -0-
Variety: -0-
Tsnum: 87103

Observation Date of Plant: 9/26/2013

Plant Habit: Broad oval to rounded

Plant Height: 12-18 ft.

Plant Width: 20-27 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/21/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Pink buds.

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Dull yellow

Date of observation: 10/20/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x **Variety:**
Cultivar: Thunderchild **Family:** Rosaceae **Tsnum:** 97059
Common Name: Thunderchild Crabapple
Source: A. McGill & Son Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/27/2013

Plant Habit: Upright oval

Plant Height: 8-12 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Dark green/red

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage is more attractive than most crabapples.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x
Cultivar: Thunderchild **Family:** Rosaceae **Variety:**
Common Name: Thunderchild Crabapple **Tsnum:** 97059
Source: A. McGill & Son Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/26/2013

Plant Habit: Upright oval

Plant Height: 12-18 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Red/dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering.

Recommended: Yes

Comments on plant: Planted in arboretum in 2003.

Observation Date of Flowers: 4/19/2006

Flower Color: Dark pink fading to light pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Red/purple

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x **Variety:** -0-
Cultivar: Van Eseltine **Family:** Rosaceae **Tsnum:** 78087
Common Name: Van Eseltine Flowering Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/27/2013

Plant Habit: Vase

Plant Height: 15-20 ft.

Plant Width: 10-15 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering

Recommended: Yes

Comments on plant: Vigor is low in regard to new growth but canopy is full. Nice growth habit for narrow areas. May do better if not on edge of arboretum.

Observation Date of Flowers: 4/29/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Double petals. Buds are dark pink and very showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Malus x **Variety:** -0-
Cultivar: Weeping Candied Apple **Family:** Rosaceae **Tsnum:** 83136
Common Name: Weeping Candied Apple Flowering Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 8/28/2013
Plant Habit: Broad oval to round
Plant Height: 12-17 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined height areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Abundant suckering.

Recommended: Yes

Comments on plant: Not a very weeping habit - it is fairly subtle.

Observation Date of Flowers: 4/25/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Very impressive flower display.

Fall Color or Fruit: Fall color

Date of observation: 10/20/2009

Aesthetics: Fair to poor

Persistence: 1-2 weeks

Fall Color: Yellow, orange/red

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Malus x *Variety:* -0-
Cultivar: Zuni *Family:* Rosaceae *Tsnum:* 80155
Common Name: Zuni Flowering Crabapple
Source: American Nursery Product/Mi *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/26/2013
Plant Habit: Broad oval to round
Plant Height: 15 - 20 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease: Rust
Disease Severity: Slight injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 4/29/2003
Flower Color: n/a
Flower Type:
Flower Effect: Poor
% of Flower Coverage:
Bloom Stage: n/a
Fruit Present:
Comments on Flowers: No sign of flower or buds this year - just leaves.

Fall Color or Fruit: *Date of observation:*
Aesthetics: *Persistence:*
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Morus alba *Variety:* -0-
Cultivar: -0- *Family:* Moraceae *Tsnum:* 81149
Common Name: White Mulberry
Source: American Nursery Product/Mi *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/1/2013
Plant Habit: Round
Plant Height: 25-30 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 20-30 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Large, shade tree, wildlife

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color *Date of observation:* 10/28/2003
Aesthetics: Good *Persistence:* 1-2 weeks
Fall Color: bright golden yellow

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Morus alba **Variety:** -0-
Cultivar: Chapparal **Family:** Moraceae **Tsnum:** 78202
Common Name: Chapparal White Mulberry
Source: Alameda Wholesale Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/27/2013

Plant Habit: Round to broad oval

Plant Height: 20 - 25 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree, wildlife

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Wet wood

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Some wet wood along pruning cuts and included bark. Has significant deadwood accumulation which can be high maintenance.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: bright golden yellow

Date of observation: 10/28/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Morus alba *Variety:* -0-
Cultivar: Pendula *Family:* Moraceae *Tsnum:* 78203
Common Name: Weeping White Mulberry
Source: Unknown *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Weeping
Plant Height: 8 - 10 ft.
Plant Width: 12-15 ft.
Current Seasons Growth: 3 - 4 ft.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: New branches form new layers of branches on top of old branches and create a pruning nightmare if left over time. Was a very cold winter in 2011 and about 40% of canopy died. 50% of canopy was pruned out in 2013 due to

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/28/2003

Aesthetics: Fair

Persistence: 1-2 weeks

Fall Color: golden yellow

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Morus alba **Variety:**
Cultivar: Tatarica **Family:** Moraceae **Tsnum:** 94048
Common Name: Russian Mulberry
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/1/2013

Plant Habit: Upright oval to round

Plant Height: 25-30 ft.

Plant Width: 25-30 ft.

Current Seasons Growth: 10-20 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree, wildlife

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Leaves are relatively small and less coarse looking. Some wet wood developing in a main branch crotch.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ostrya virginiana **Variety:** -0-
Cultivar: -0- **Family:** Betulaceae **Tsnum:** 89110
Common Name: American Hop Hornbeam
Source: Carlton Plants **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/26/2013
Plant Habit: Upright oval, pyramidal
Plant Height: 15-20 ft.
Plant Width: 15 -20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Yellow

Date of observation: 10/6/2008
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ostrya virginiana **Variety:** -0-
Cultivar: -0- **Family:** Betulaceae **Tsnum:** 84122
Common Name: American Hornbeam
Source: Jewell Nursery, Inc. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/26/2013

Plant Habit: Upright oval

Plant Height: 20-25 ft.

Plant Width: 15 - 20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Paulonia tomentosa **Variety:**
Cultivar: **Family:** Scrophulariaceae **Tsnum:** 10107
Common Name: Princesstree
Source: Plant Select/DBG **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/1/2012

Plant Habit: Young, undefined

Plant Height: 4-8 ft.

Plant Width: 3-6 ft.

Current Seasons Growth: 4-8 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend. Has huge leaves and impressive vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/8/2012

Aesthetics: Very poor - after hard fre **Persistence:**

Fall Color: none

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Paxistima canbyi *Variety:*
Cultivar: *Family:* Celastraceae *Tsnum:* 09087
Common Name: Mountain Lover
Source: Plant Select *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 11/9/2012

Plant Habit: Broad oval

Plant Height: 2-3 in.

Plant Width: 8-12 in.

Current Seasons Growth: 1-3 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor is low, may need more sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Phellodendron amurense **Variety:** -0-
Cultivar: -0- **Family:** Rutaceae **Tsnum:** 77010
Common Name: Amur Corktree
Source: Unknown **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/2/2013

Plant Habit: Vase

Plant Height: 35-42 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Light yellow

Date of observation: 10/10/2011

Persistence: 1 week

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Phellodendron amurense *Variety:* -0-
Cultivar: Macho *Family:* Rutaceae *Tsnum:* 93098
Common Name: Macho Amur Corktree
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/5/2013

Plant Habit: Vase

Plant Height: 30-37 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Canker is mostly in branches affecting the middle of the tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: pale yellow

Date of observation: 10/16/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Philadelphus coronarius **Variety:** -0-
Cultivar: -0- **Family:** Saxifragaceae **Tsnum:** 77007
Common Name: Sweet Mockorange
Source: Unknown **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/26/2012
Plant Habit: Upright oval but becoming more broad
Plant Height: 6-8 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Crowded by neighboring plants.

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2003. Would probably look better with more space and irrigation.

Observation Date of Flowers: 6/12/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: good

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Philadelphus coronarius *Variety:*
Cultivar: Aureus *Family:* Saxifragaceae *Tsnum:* 10011
Common Name: Golden Mockorange
Source: Carlton Plants *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Philadelphus lewisii **Variety:**
Cultivar: **Family:** Saxifragaceae **Tsnum:** 97256
Common Name: Lewis Mock Orange
Source: Fort Collins Nursery **Quantity observed:** 4 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Upright oval

Plant Height: 5-8 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 3-4 ft.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2010 and looks much more vigorous.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Very showy even at a distance of several hundred feet.

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/16/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Philadelphus microphyllus *Variety:*
Cultivar: June Bride *Family:* Saxifragaceae *Tsnum:* 08067
Common Name: June Bride Mockorange
Source: USDA/NC-7, Ames, IA *Quantity observed:* 2 *PI #:* Ames 27969

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Philadelphus x virginalis *Variety:* -0-
Cultivar: Glacier *Family:* Saxifragaceae *Tsnum:* 83146
Common Name: Glacier Virginal Mockorange
Source: Mount Arbor Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Upright oval to round

Plant Height: 5-6 ft.

Plant Width: 6-8 ft

Current Seasons Growth: 12-24 in

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border,

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Less than 5% of canopy is chlorotic for unknown reason.

Observation Date of Flowers: 6/9/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Philadelphus x virginalis **Variety:** -0-
Cultivar: Snow Velvet **Family:** Saxifragaceae **Tsnum:** 86174
Common Name: Snow Velvet Mockorange
Source: Forrest Keeling Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/27/2012

Plant Habit: Upright oval

Plant Height: 5-6 ft.

Plant Width: 4 - 6 ft.

Current Seasons Growth: 2-4 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2007 and is coming back moderately strong.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Physocarpus **Variety:**
Cultivar: Summer Wine **Family:** Rosaceae **Tsnum:** 05102
Common Name: Summer Wine Ninebark
Source: Proven Winners **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/1/2013

Plant Habit: Broad oval, arching

Plant Height: 3-4.5 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 12-30 in.

Foliage Color: Dark red/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Maintains excellent color throughout summer. One plant was probably planted in too much shade and about 65% of canopy removed in 2013 due to dieback.

Observation Date of Flowers: 6/2/2007

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 5-20%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Just planted in 2006 - should get showier as it gets further established.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Physocarpus opulifolius **Variety:** -0-
Cultivar: `Nana' **Family:** Rosaceae **Tsnum:** 85082
Common Name: Dwarf Ninebark
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/2/2013

Plant Habit: Broad oval to round

Plant Height: 4 - 6 ft.

Plant Width: 6-9 ft

Current Seasons Growth: 8-15 in.

Foliage Color: Medium green

Bark Characteristics: Not very visible

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is more controlled and compact compared to the straight species.
Has slight chlorosis on 10% of canopy - may not be getting adequate irrigation on edge of arboretum.

Observation Date of Flowers: 6/2/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 75-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Buds are a beautiful pink. Smaller flowers in great supply.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Physocarpus opulifolius *Variety:* -0-
Cultivar: `Nugget' *Family:* Rosaceae *Tsnum:* 89157
Common Name: Nugget Ninebark
Source: USDA/NC-7, Ames, IA *Quantity observed:* 3 *PI #:* A8402

Observation Date of Plant: 10/1/2013

Plant Habit: Broad oval

Plant Height: 8 - 10 ft.

Plant Width: 15 - 18 ft.

Current Seasons Growth: 1 - 3 ft.

Foliage Color: Yellow to light green matures to medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 5/23/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Physocarpus opulifolius **Variety:**
Cultivar: Ames 27797 NCRPIS Co **Family:** Rosaceae **Tsnum:** 07091
Common Name: NCRPIS Compact Ninebark
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** Ames 27797

Observation Date of Plant: 10/1/2013

Plant Habit: Young, undefined

Plant Height: 2-3 ft.

Plant Width: 2-4 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. One of plants has 25% of canopy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Physocarpus opulifolius **Variety:**
Cultivar: Center Glow **Family:** Rosaceae **Tsnum:** 08068
Common Name: Center Glow Ninebark
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** Ames 27970

Observation Date of Plant: 10/1/2013

Plant Habit: Upright, irregular

Plant Height: 4-6 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 2-4 ft.

Foliage Color: Dark red

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Foliage color didn't fade all summer.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Physocarpus opulifolius **Variety:**
Cultivar: Center Glow (Tree Form) **Family:** Rosaceae **Tsnum:** 12024
Common Name: Center Glow Ninebark (Tree Form)
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/3/2013

Plant Habit: Round

Plant Height: 6-7 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Dark Red

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Specimen, patio tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Physocarpus opulifolius **Variety:** -0-
Cultivar: Dart's Golden **Family:** Rosaceae **Tsnum:** 80146
Common Name: Dart's Golden Ninebark
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/2/2013

Plant Habit: Arching, irregular

Plant Height: 6 - 9 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 3-5 ft.

Foliage Color: Yellow to light green maturing to medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One plant rejuvenated in 2010.

Observation Date of Flowers: 5/23/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Physocarpus opulifolius **Variety:**
Cultivar: Diabolo **Family:** Rosaceae **Tsnum:** 01039
Common Name: Diabolo Ninebark
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/1/2013

Plant Habit: Rounded

Plant Height: 4-6 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 1-3 ft.

Foliage Color: Dark purple

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Getting a little chlorotic - probably due to difficulty in irrigating along the edge of

Nuisances:

Recommended: Yes

Comments on plant: New stems are attractive dark red during winter months. Growth habit is less leggy than most other Ninebarks.

Observation Date of Flowers: 6/2/2007

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: red/purple

Date of observation: 11/15/2005

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Physocarpus opulifolius *Variety:*
Cultivar: Donna May *Family:* Rosaceae *Tsnum:* 12061
Common Name: Little Devil Ninebark
Source: Bailey Nurseries *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 10/1/2013

Plant Habit: Young, undefined

Plant Height: 2 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Dark red/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Physocarpus opulifolius **Variety:**
Cultivar: Mindia **Family:** Rosaceae **Tsnum:** 12029
Common Name: Coppertina Ninebark
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/1/2013

Plant Habit: Young, undefined

Plant Height: 5 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Dark green with a shade of red.

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Physocarpus opulifolius *Variety:* -0-
Cultivar: Select *Family:* Rosaceae *Tsnum:* 92113
Common Name: Select Ninebark
Source: Bailey Nurseries *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/1/2013
Plant Habit: Arching to irregular
Plant Height: 7-9 ft.
Plant Width: 9-12 ft.
Current Seasons Growth: 2 - 4 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 6/2/2007
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 70-80%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: *Date of observation:*
Aesthetics: *Persistence:*
Fall Color:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Physocarpus opulifolius **Variety:**
Cultivar: Seward **Family:** Rosaceae **Tsnum:** 06008
Common Name: Summer Wine Ninebark
Source: Sherman Nursery **Quantity observed:** 4 **PI #:**

Observation Date of Plant: 9/27/2013
Plant Habit: Irregular, some arching
Plant Height: 5-7 ft
Plant Width: 7-10 ft.
Current Seasons Growth: 2-4 ft.

Foliage Color: Dark red
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Foliage color doesn't fade.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Physocarpus opulifolius *Variety:*
Cultivar: Snowfall *Family:* Rosaceae *Tsnum:* 94055
Common Name: Snowfall Ninebark
Source: Bailey Nurseries *Quantity observed:* 5 *PI #:*

Observation Date of Plant: 10/9/2013
Plant Habit: Upright, arching as it matures
Plant Height: 5-9 ft.
Plant Width: 7-12 ft
Current Seasons Growth: 18-36 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks good in a fairly xeric area. Rejuvenated two plants in 2011 after data collected.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Physocarpus ribesifolius **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 96071
Common Name: Ninebark
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** -

Observation Date of Plant: 10/8/2013
Plant Habit: Upright, arching as it matures
Plant Height: 4-6 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two looks stressed due to irrigation problems along edge of arboretum.

Observation Date of Flowers: 6/26/2006

Flower Color: n/a

Flower Type: n/a

Flower Effect: n/a

% of Flower Coverage: n/a

Bloom Stage: n/a

Fruit Present:

Comments on Flowers: No evidence of flowers in 2006 probably is related to poor plant health and large amount of canopy dieback.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea abies *Variety:* -0-
Cultivar: -0- *Family:* Pinaceae *Tsnum:* 85120
Common Name: Norway Spruce
Source: Zelenka Nursery *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal
Plant Height: 30-40 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea abies **Variety:** -0-
Cultivar: Nidiformis **Family:** Pinaceae **Tsnum:** 93105
Common Name: Bird's Nest Spruce
Source: Zelenka Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Broad oval

Plant Height: 2 - 3 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 0.75-2.0 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Excellent compact, uniform growth.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea abies *Variety:* -0-
Cultivar: Pendula *Family:* Pinaceae *Tsnum:* 90072
Common Name: Weeping Norway Spruce
Source: Oregon Garden Products *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Weeping

Plant Height: 3 - 5 ft.

Plant Width: 7-9 ft.

Current Seasons Growth: 10-14 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: A solid performer over many years.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea engelmannii *Variety:* -0-
Cultivar: -0- *Family:* Pinaceae *Tsnum:* 81289
Common Name: Engelman Spruce
Source: Denver Botanic Gardens *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal
Plant Height: 22-28 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Blue green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Excellent
Landscape Uses: Specimen

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has a beautiful dense and uniform growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea glauca *Variety:* -0-
Cultivar: -0- *Family:* Pinaceae *Tsnum:* 87113
Common Name: White Spruce
Source: Zelenka Nursery *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 15-20 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Short needles are attractive. Canopy seems to be getting thin - possibly due to very dry summers lately. May have disease or insect problem as there are areas on the trunk that has sap dripping down the side.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea glauca **Variety:**
Cultivar: Conica **Family:** Pinaceae **Tsnum:** 08147
Common Name: Dwarf Albert White Spruce
Source: Garden and Home Show **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/9/2012

Plant Habit: Pyramidal

Plant Height: 3-4 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 1-2 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: One sided plant due to crowding from nearby plants.

Nuisances:

Recommended: Yes

Comments on plant: Excellent growth habit is very uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea glauca *Variety:* -0-
Cultivar: Densata *Family:* Pinaceae *Tsnum:* 78062
Common Name: Black Hills White Spruce
Source: Colorado Nurseryman *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 25-35 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea glauca *Variety:*
Cultivar: Pendula *Family:* Pinaceae *Tsnum:* 12150
Common Name: Weeping White Spruce
Source: Garden and Home Show *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 5-7 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 too soon to recommend. Came as extra tree from ProGreen Expo in January and seems to have off-color foliage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea jezoensis *Variety:* -0-
Cultivar: -0- *Family:* Pinaceae *Tsnum:* 92041
Common Name: Yeddo Spruce
Source: Minnesota Landscape Arbore *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Pyramidal

Plant Height: 16-20 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Excellent

Landscape Uses: Specimen

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two trees is severely crowded by nearby plants but the one with adequate space looks great.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea omorika **Variety:**
Cultivar: Bruns **Family:** Pinaceae **Tsnum:** 03154
Common Name: Bruns Sinberian Spruce
Source: Monrovia Growers **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 7-9 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2005. Vandals removed some upper branches and central leader in 2008 but looks fairly normal in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea orientalis *Variety:*
Cultivar: Autovirens *Family:* Pinaceae *Tsnum:* 96166
Common Name: Autovirens Oriental Spruce
Source: Monrovia Growers *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 7-10 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Branching is dense. Attractive dark green, short, soft needles.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea pungens **Variety:**
Cultivar: Bakeri **Family:** Pinaceae **Tsnum:** 96085
Common Name: Baker Blue Spruce
Source: Bailey Nurseries **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 20-25 ft.

Plant Width: 18-25 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Blue/gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Excellent

Insect Pests: Cooley spruce galls

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage color is slightly less blue than Picea 'Moorheim'.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea pungens *Variety:* -0-
Cultivar: Glauca *Family:* Pinaceae *Tsnum:* 78099
Common Name: Colorado Blue Spruce
Source: Unknown *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/9/2012
Plant Habit: Pyramidal
Plant Height: 15-22 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, Native planting

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Great blue foliage color.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: *Date of observation:*
Aesthetics: *Persistence:*
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea pungens *Variety:* -0-
Cultivar: Glauca *Family:* Pinaceae *Tsnum:* 78070
Common Name: Colorado Blue Spruce
Source: US Nat'l Arboretum *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/7/2012

Plant Habit: Pyramidal

Plant Height: 35-45 ft.

Plant Width: 30-35 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea pungens **Variety:**
Cultivar: Hoopsii **Family:** Pinaceae **Tsnum:** 00039
Common Name: Hoopsii Blue Spruce
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal
Plant Height: 10-14 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two not recovering from being in a container too long and now is in decline . Second one looks great.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea pungens glauca *Variety:* -0-
Cultivar: Dwarf Form *Family:* Pinaceae *Tsnum:* 78215
Common Name: Dwarf Spruce
Source: -0- *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal
Plant Height: 15-20 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Excellent
Landscape Uses: Specimen

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Outstanding uniform growth habit and color.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea pungens glauca **Variety:**
Cultivar: Fat Albert **Family:** Pinaceae **Tsnum:** 96164
Common Name: Fat Albert Blue Spruce
Source: Monrovia Growers **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal
Plant Height: 8-12 ft.
Plant Width: 8-11 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Needles are very blue.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea pungens glauca **Variety:**
Cultivar: Moerheimii **Family:** Pinaceae **Tsnum:** 98020
Common Name: Moerheim Blue Spruce
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 20-30 ft.

Plant Width: 14-20 ft.

Current Seasons Growth: 10- 15 in.

Foliage Color: Blue/gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests: Cooley spruce galls

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage color is beautiful blue gray.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Picea sitchensis *Variety:* -0-
Cultivar: -0- *Family:* Pinaceae *Tsnum:* 78044
Common Name: Sitka Spruce
Source: Alaska Plant Material Center *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 20-28 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Plant has relatively small needles.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Pinus aristata **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 78103
Common Name: Bristlecone Pine
Source: Unknown **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Irregular

Plant Height: 9-12 ft.

Plant Width: 10-15 ft

Current Seasons Growth: 4 - 8 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Canopy has a beautiful, dense bushy habit. Has a few places where it exudes sap due to unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Pinus bungeana **Variety:**
Cultivar: **Family:** Pinaceae **Tsnum:** 03166
Common Name: Lacebark Pine
Source: Garden and Home Show **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 8-12 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor is improving now that surrounding plants aren't crowding it.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus cembra **Variety:** -0-
Cultivar: Chalet **Family:** Pinaceae **Tsnum:** 85162
Common Name: Chalet Swiss Stone Pine
Source: Timber Creek Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Very narrowly pyramidal

Plant Height: 15-20 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Needles have a very dense bushy appearance. Appears to be dying for unknown reason. Has a lot of brown foliage. Has been in decline for a couple of years.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus cembra **Variety:**
Cultivar: Klein **Family:** Pinaceae **Tsnum:** 03155
Common Name: Silver Whispers Swiss Stone Pine
Source: Monrovia Growers **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Very narrowly pyramidal

Plant Height: 8-10 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2005 and establishing easily. Vigor is impressive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Pinus densiflora
Cultivar: Umbraculifera **Family:** Pinaceae
Common Name: Tanyostio Pine
Source: Oregon Garden Products **Quantity observed:** 1 **PI #:** -0-
Variety: -0-
Tsnum: 91142

Observation Date of Plant: 11/9/2012
Plant Habit: Upright oval to round
Plant Height: 7-10 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This plant is in a very shaded location and may have better vigor in full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus edulis *Variety:* -0-
Cultivar: -0- *Family:* Pinaceae *Tsnum:* 78100
Common Name: Pinyon Pine
Source: Unknown *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal to rounded
Plant Height: 12-18 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Native planting, xeriscape, screen

Overall Plant Health: Good
Insect Pests: Galls
Pest Severity: Slight injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Does well in dry location.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: *Date of observation:*
Aesthetics: *Persistence:*
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus flexilis *Variety:*
Cultivar: *Family:* Pinaceae *Tsnum:* 03168
Common Name: Limber Pine
Source: Monrovia Growers *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal
Plant Height: 4-6 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, native

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Pinus flexilis **Variety:**
Cultivar: Vanderwolf Pyramid **Family:** Pinaceae **Tsnum:** 95115
Common Name: Vanderwolf Pine
Source: Oregon Garden Products **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 15-20 ft.

Plant Width: 12-18 ft

Current Seasons Growth: 8-15 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Undetermined cause resulted in death of top 12 inches of central leader in 2009 but in general, it still looks good. Very attractive, soft textured appearance.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus heldrichi *Variety:* -0-
Cultivar: Compacta *Family:* Pinaceae *Tsnum:* 93125
Common Name: Pine
Source: CNA show *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/9/2012
Plant Habit: Irregular due to crowding from nearby plants
Plant Height: 3 - 6 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 2-3 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably look much better if not severely crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus jeffreyi *Variety:* -0-
Cultivar: -0- *Family:* Pinaceae *Tsnum:* 81273
Common Name: Jeffrey Pine
Source: Denver Botanic Gardens *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Narrow, pyramidal

Plant Height: 25-35 ft.

Plant Width: 12-18 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Tree has a great deal of sap on the trunk over the past two years and it is fairly surprising it is still alive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus mugo *Variety:* mugo
Cultivar: -0- *Family:* Pinaceae *Tsnum:* 88127
Common Name: Mugho Pine
Source: Greenleaf Nursery Co. *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Irregular

Plant Height: 8 - 11 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit appears to just sprawl whenever it can.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus mugo **Variety:** -0-
Cultivar: Pumilia **Family:** Pinaceae **Tsnum:** 92256
Common Name: Shrubby Swiss Mountain Pine
Source: Monrovia Growers **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Pyramidal to round

Plant Height: 5-6 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus nigra **Variety:**
Cultivar: **Family:** Pinaceae **Tsnum:** 03156
Common Name: Arnold Sentinel
Source: Monrovia Growers **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Columnar

Plant Height: 7-10 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 8-14 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Very unique growth habit. Only one of three shipped were Pinus nigra and the other two trees were Pinus flexilis.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus nigra *Variety:* -0-
Cultivar: -0- *Family:* Pinaceae *Tsnum:* 78104
Common Name: Austrian Pine
Source: Unknown *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 35-40 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Pinus ponderosa **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 78101
Common Name: Ponderosa Pine
Source: Unknown **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 30-40 ft.

Plant Width: 30-35 ft.

Current Seasons Growth: 8 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, native planting, xeriscape, screen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus strobus **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 85122
Common Name: White Pine
Source: American Nursery Product/Mi **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal to irregular
Plant Height: 50-60 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Insect Pests: Mealy bugs
Pest Severity: Slight injury
Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus strobus **Variety:**
Cultivar: Fastigiata **Family:** Pinaceae **Tsnum:** 03157
Common Name: Columnar Eastern White Pine
Source: Monrovia Growers **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Columnar

Plant Height: 11-16 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Light green with some blue

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Appears to have a large canker (or damage by deer in 2008) on one tree which is closing over and almost looks normal. Tree in perennial garden looks very good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus strobus **Variety:**
Cultivar: Pendula **Family:** Pinaceae **Tsnum:** 03019
Common Name: Weeping White Pine
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Weeping

Plant Height: 10-16 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests: Mealy bugs or wooly aphids

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. The tree located in the perennial garden seems to have sustained bark feeding by deer during winter of 2006-07 and has a 10-15 inch strip missing. Vigor is very low but second tree looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus sylvestris **Variety:**
Cultivar: French Blue **Family:** Pinaceae **Tsnum:** 03158
Common Name: French Blue Scotch Pine
Source: Monrovia Growers **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 8-10 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Slight blue/green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Nice foliage color. Vandals damaged central leader and it is slow to recover.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus sylvestris **Variety:** -0-
Cultivar: Glauca Nana **Family:** Pinaceae **Tsnum:** 82174
Common Name: Scotch Pine
Source: Amfac Nurseries California **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Pyramidal

Plant Height: 12-18 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 4-6 in.

Foliage Color: Medium green with a shade of blue

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice bark color and smaller than most P. sylvestris.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus sylvestris **Variety:**
Cultivar: Inverleith **Family:** Pinaceae **Tsnum:** 08030
Common Name: Inverleith Scotch Pine
Source: Monrovia Growers **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal or upright oval
Plant Height: 7-10 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Variegated, blue/green needles with light yellow/green tips
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Very unique color to needles.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus sylvestris var. mongolica **Variety:** Mongolica
Cultivar: **Family:** Pinaceae **Tsnum:** 09074
Common Name: Mongolian Scotch Pine 27805
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** Ames 27805

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus tabuliformis *Variety:* -0-
Cultivar: -0- *Family:* Pinaceae *Tsnum:* 83034
Common Name: Chinese Pine
Source: Minnesota Landscape Arbore *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 11/2/2012

Plant Habit: Pyramidal

Plant Height: 25-30 ft.

Plant Width: 25-30 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pinus virginiana **Variety:**
Cultivar: Wate's Golden **Family:** Pinaceae **Tsnum:** 08033
Common Name: Wate's Golden Pine
Source: Monrovia Growers **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 11/2/2012

Plant Habit: Upright, undefined

Plant Height: 7-10 ft.

Plant Width: 5-9 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2008. Looks more green than golden by end of season. One plant must have been pulled on by vandals as it is growing at a sharp angle and needs to be staked. Growth habit on both is very open, leggy and not very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Platanus acerifolia *Variety:*
Cultivar: Morton Circle *Family:* Platanaceae *Tsnum:* 11024
Common Name: Exclamation Planetree
Source: Carlton Plants *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 9/30/2013

Plant Habit: Upright oval

Plant Height: 6-7 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Platanus occidentalis *Variety:*
Cultivar: *Family:* Platanaceae *Tsnum:* 03145
Common Name: American Sycamore
Source: Texas *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 9/26/2012

Plant Habit: Columnar

Plant Height: 6-8 ft.

Plant Width: 2-4 ft.

Current Seasons Growth: 24-36 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Established in arboretum easily.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Platanus x acerifolia **Variety:**
Cultivar: Morton Thornhill **Family:** Platanaceae **Tsnum:** 09017
Common Name: Exclamation Planetree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/8/2013
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Looks very robust - bark is very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Platanus x acerifoua *Variety:*
Cultivar: Columbia *Family:* Platanaceae *Tsnum:* 06004
Common Name: Columbia Planetree
Source: Femrite Nursery Company *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 3-4 ft.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, large shade tree

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2010. Suffered severe storm damage October 2011 which greatly reduced height and appearance.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Populus alba *Variety:*
Cultivar: *Family:* Salicaceae *Tsnum:* 05023
Common Name: White Poplar
Source: USDA/NC-7, Ames, IA *Quantity observed:* 1 *PI #:* 343437

Observation Date of Plant: 10/1/2012

Plant Habit: Upright oval

Plant Height: 15-20 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Susceptible to storm damage.

Recommended: Yes

Comments on plant: Looks good when young but often develops problems later.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Populus alba *Variety:* -0-
Cultivar: -0- *Family:* Salicaceae *Tsnum:* 89143
Common Name: White Poplar
Source: Jewell Nursery, Inc. *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Upright oval

Plant Height: 8-10 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 3-5 ft.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Susceptible to storm damage

Recommended: Marginal

Comments on plant: Cut to ground in 2011 due to leaning and canker but coming back from suckers.
Roots also send up unwanted suckers many feet away from main trunk.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 9/23/2004

Persistence: 2-4 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Populus angulata x nigra
Cultivar: Robusta **Family:** Salicaceae
Common Name: Robusta Poplar
Source: Bailey Nurseries **Quantity observed:** 3 **PI #:** -0-
Variety: -0-
Tsnum: 84200

Observation Date of Plant: 10/1/2012
Plant Habit: Upright oval
Plant Height: 70-80 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Slight sign of canker on one branch but very good overall. Suffered significant storm damage last October.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: yellow

Date of observation: 10/10/2004
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Populus deltoides *Variety:* -0-
Cultivar: -0- *Family:* Salicaceae *Tsnum:* 82221
Common Name: Cottonwood
Source: USDA, Glendale, MD *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/1/2012

Plant Habit: Upright oval

Plant Height: 60-70 ft.

Plant Width: 40-50 ft.

Current Seasons Growth: 10-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Canker, wet wood

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Less than 5% of crown affected by canker.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 9/23/2004

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Populus nigra *Variety:* -0-
Cultivar: Carolina *Family:* Salicaceae *Tsnum:* 93085
Common Name: Norway Poplar
Source: Jewell Nursery, Inc. *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/5/2012

Plant Habit: Upright oval

Plant Height: 60-70 ft.

Plant Width: 25-40 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, difficult sites

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Slight injury on twigs

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two plants became multi-stem from storm damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Populus nigra *Variety:* -0-
Cultivar: Theves *Family:* Salicaceae *Tsnum:* 93109
Common Name: Theves Black Poplar
Source: Mount Arbor Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/5/2012
Plant Habit: Columnar
Plant Height: 14-18 ft.
Plant Width: 6 - 10 ft
Current Seasons Growth: 3-4 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, narrow areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: 2 of 3 plants are dead from cankers and third has died to base. The last one is just alive only from suckers but coming back from suckers with strong vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Populus simonii **Variety:**
Cultivar: **Family:** Salicaceae **Tsnum:** 98036
Common Name: Simon Poplar
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/5/2012
Plant Habit: Upright oval
Plant Height: 55-65ft.
Plant Width: 30-40 ft
Current Seasons Growth: 2-3 ft.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good
Insect Pests: Aphids
Pest Severity: Slight injury
Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Attractive leaf shape and color. Tree has regained shape from storm damage .

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Populus tremuloides *Variety:*
Cultivar: *Family:* Salicaceae *Tsnum:* 09076
Common Name: Aspen
Source: USDA/NC-7, Ames, IA *Quantity observed:* 2 *PI #:* Ames 29046

Observation Date of Plant: 10/1/2012
Plant Habit: Upright oval
Plant Height: 9-12 ft.
Plant Width: 4-5 ft.
Current Seasons Growth: 3-4 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, native planting

Overall Plant Health: Excellent
Insect Pests: Aphids
Pest Severity: Slight injury
Plant Disease: Leaf spot
Disease Severity: Slight injury
Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend. Very large foliage on central leader.
Bark is not very white yet.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Populus tremuloides **Variety:**
Cultivar: JFS-Column **Family:** Salicaceae **Tsnum:** 11014
Common Name: Mountain Sentinel Aspen
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Populus tremuloides **Variety:**
Cultivar: Kaibab **Family:** Salicaceae **Tsnum:** 90120
Common Name: Kaibab Aspen
Source: Progressive Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/1/2012

Plant Habit: Upright oval

Plant Height: 25-35 ft.

Plant Width: 12-16 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, native planting

Overall Plant Health: Good

Insect Pests: Galls

Pest Severity: Slight injury

Plant Disease: Canker - inactive

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Canker wound is closing.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 10/10/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Populus x
Cultivar: Brooks No. 6 **Family:** Salicaceae
Common Name: Brooks No. 6 Poplar
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **PI #:** -0-
Variety: -0-
Tsnum: 90019

Observation Date of Plant: 10/1/2012
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe one of two trees

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Regularly defoliates before any of the other Populus due to foliar disease late in season but looks pretty good in late September of 2011 and 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Populus x *Variety:*
Cultivar: Highland *Family:* Salicaceae *Tsnum:* 05016
Common Name: Highland Poplar
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/1/2012

Plant Habit: Upright oval

Plant Height: 10-14 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 3-4 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Good

Insect Pests: Twig galls

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Populus x *Variety:*
Cultivar: Northwest *Family:* Salicaceae *Tsnum:* 91134
Common Name: Northwest Poplar
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/5/2012

Plant Habit: Upright oval

Plant Height: 40-50 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 8-15 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Fair

Insect Pests: Twig galls, aphids

Pest Severity: Moderate injury

Plant Disease: Leaf spot

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Leaf spot caused entire tree to defoliate before any others in 2004 and 2012 but not as severe in 2006, 2008 or 2010.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Populus x canadensis *Variety:* -0-
Cultivar: Eugenei Imperial *Family:* Salicaceae *Tsnum:* 81198
Common Name: Imperial Carolina Poplar
Source: USDA/NC-7, Ames, IA *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 10/1/2012

Plant Habit: Upright oval

Plant Height: 60-70 ft.

Plant Width: 40-50 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has some remnants of storm damage from last October.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Populus x canadensis *Variety:* -0-
Cultivar: Nor'Easter *Family:* Salicaceae *Tsnum:* 86114
Common Name: Nor'Easter Cottonwood
Source: Sherman Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/1/2012

Plant Habit: Upright oval

Plant Height: 60-70 ft.

Plant Width: 40-50 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Potentilla **Variety:**
Cultivar: Pink Beauty **Family:** Rosaceae **Tsnum:** 03151
Common Name: Pink Beauty Potentilla
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/2/2013

Plant Habit: Broad oval

Plant Height: 2 - 3 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Too much shade.

Nuisances:

Recommended: Yes

Comments on plant: Vigor is low but may be in too much shade.

Observation Date of Flowers: 7/6/2011

Flower Color: Light Pink

Flower Type: Single

Flower Effect: Poor

% of Flower Coverage: 0-25%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Few flowers due to too much shade.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Potentilla fruticosa **Variety:** -0-
Cultivar: Buttercup **Family:** Rosaceae **Tsnum:** 84190
Common Name: Buttercup Cinquefoil
Source: Skinner Wholesale Nursery I **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/2/2013

Plant Habit: Broad oval

Plant Height: 4-5 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in February 2007.

Observation Date of Flowers: 7/6/2011

Flower Color: Yellow

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Potentilla fruticosa *Variety:* -0-
Cultivar: Catherine Dykes *Family:* Rosaceae *Tsnum:* 78131
Common Name: Katherine Dykes Cinquefoil
Source: Unknown *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/2/2013

Plant Habit: Broad oval

Plant Height: 2-4 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2008. Growth habit is less uniform than the best.

Observation Date of Flowers: 7/6/2011

Flower Color: Cream

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: A big flush of color in June but less than P. 'McKay White' in July.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Potentilla fruticosa **Variety:** -0-
Cultivar: Coronation Triumph **Family:** Rosaceae **Tsnum:** 81153
Common Name: Coronation Triumph Cinquefoil
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/2/2013

Plant Habit: Round

Plant Height: 3-5 ft.

Plant Width: 4-7 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in February 2007.

Observation Date of Flowers: 7/6/2011

Flower Color: Yellow

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Potentilla fruticosa **Variety:** -0-
Cultivar: Goldfinger **Family:** Rosaceae **Tsnum:** 85110
Common Name: Goldfinger Cinquefoil
Source: Forrest Keeling Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Round to broad oval

Plant Height: 4 - 4.5 ft.

Plant Width: 5-7 ft

Current Seasons Growth: 8-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Two of three rejuvenated in February 2007.

Observation Date of Flowers: 7/6/2011

Flower Color: Yellow

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Relatively larger petals.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Potentilla fruticosa *Variety:* -0-
Cultivar: McKay White *Family:* Rosaceae *Tsnum:* 90016
Common Name: McKay White Potentilla
Source: Jewell Nursery, Inc. *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/1/2013
Plant Habit: Round
Plant Height: 3-4 ft.
Plant Width: 3.5-4.5 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in 2008.

Observation Date of Flowers: 7/6/2011
Flower Color: White
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: *Date of observation:*
Aesthetics: *Persistence:*
Fall Color:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Potentilla fruticosa **Variety:** -0-
Cultivar: Mt. Everest **Family:** Rosaceae **Tsnum:** 84125
Common Name: Mt. Everest Cinquefoil
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Round

Plant Height: 2-4 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Rejuvenated in 2008 and slow to regain vigor.

Observation Date of Flowers: 7/6/2011

Flower Color: White

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 25-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Potentilla fruticosa **Variety:** -0-
Cultivar: Primrose Beauty **Family:** Rosaceae **Tsnum:** 83208
Common Name: Primrose Beauty Cinquefoil
Source: Monrovia Growers **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/2/2013

Plant Habit: Round

Plant Height: 3-5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated February 2007. Growth habit is a little leggy.

Observation Date of Flowers: 7/6/2011

Flower Color: Light yellow/cream

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Potentilla fruticosa **Variety:** -0-
Cultivar: Purdoni **Family:** Rosaceae **Tsnum:** 81317
Common Name: Purdoni Cinquefoil
Source: USDA, Cheyenne **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/2/2013
Plant Habit: Broad oval
Plant Height: 3-4.5 ft.
Plant Width: 6-8 ft
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated February 2007.

Observation Date of Flowers: 7/6/2011
Flower Color: Light Yellow
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 60-80%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Potentilla fruticosa **Variety:**
Cultivar: Sunspot **Family:** Rosaceae **Tsnum:** 94086
Common Name: Sunspot Potentilla
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/2/2013

Plant Habit: Round

Plant Height: 3-4 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2008. Growth habit is very uniform and compact.

Observation Date of Flowers: 7/6/2011

Flower Color: Yellow

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Potentilla fruticosa **Variety:**
Cultivar: UMAN **Family:** Rosaceae **Tsnum:** 03124
Common Name: Mango Tango Potentilla
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/1/2013

Plant Habit: Broad oval to round

Plant Height: 2.5-3.5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. May have more flowers in a sunnier location.

Observation Date of Flowers: 7/6/2011

Flower Color: Yellow with orange splotches

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Potentilla fruticosa *Variety:* -0-
Cultivar: Veitchii *Family:* Rosaceae *Tsnum:* 83283
Common Name: Vetch Cinquefoil
Source: USDA, Cheyenne *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/2/2013

Plant Habit: Broad oval to round

Plant Height: 3 -4.5ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated February 2007.

Observation Date of Flowers: 7/6/2011

Flower Color: Yellow

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Potentilla fruticosa **Variety:**
Cultivar: Yellow Bird **Family:** Rosaceae **Tsnum:** 94014
Common Name: Yellow Bird Potentilla
Source: Sherman Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/2/2013

Plant Habit: Broad oval to round

Plant Height: 3 - 5ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Both look good and have good vigor.

Observation Date of Flowers: 7/6/2011

Flower Color: Yellow

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Relatively large flowers compared to most Potentillas.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Potentilla fruticosa **Variety:**
Cultivar: Monsidh **Family:** Rosaceae **Tsnum:** 08144
Common Name: Frosty Potentilla
Source: Monrovia Growers **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/2/2013

Plant Habit: Young, undefined

Plant Height: 18-24 in.

Plant Width: 1-2 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium Green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted late in 2008 and slow to establish.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Prunus **Variety:**
Cultivar: Accolade **Family:** Rosaceae **Tsnum:** 99041
Common Name: Accolade Flowering Cherry
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Vase

Plant Height: 7-12 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker on trunk

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has a large canker or sun scald on trunk but otherwise looks good. One of the most consistent bloomers and VERY showy.

Observation Date of Flowers: 4/21/2006

Flower Color: Lt. pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers are relatively large and showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus *Variety:*
Cultivar: Cripoizam *Family:* Rosaceae *Tsnum:* 07025
Common Name: Crimson Pointe Flowering Plum
Source: Femrite Nursery Company *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval to vase.

Plant Height: 10-15 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Dark red

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2009. Looks a little leggy.

Observation Date of Flowers: 3/28/2012

Flower Color: White with a hint of pink.

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus **Variety:**
Cultivar: Snow Goose **Family:** Rosaceae **Tsnum:** 04005
Common Name: Snow Goose Flowering Cherry
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Vase

Plant Height: 7-9 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/21/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Should be very showy as it matures.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus armeniaca **Variety:** mandshurica
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 81301
Common Name: Manchurian Apricot
Source: Denver Botanic Gardens **Quantity observed:** 1 **PI #:** PN1205

Observation Date of Plant: 10/7/2013
Plant Habit: Upright oval becoming round
Plant Height: 6-8 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Plant vigor is low probably due to too much shade from nearby tree.

Observation Date of Flowers: 4/5/2006

Flower Color: Pink

Flower Type: single

Flower Effect: Fair to good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus armeniaca *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 78133
Common Name: Apricot
Source: Unknown *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/3/2013
Plant Habit: Broad oval
Plant Height: 18-24 ft.
Plant Width: 30-35 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, under power lines

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Makes a nice tree even if the fruit gets frozen. Growth habit is a little irregular due to past snowstorm damage.

Observation Date of Flowers: 4/5/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Impressive sweet fragrance in a breeze.

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: yellow

Date of observation: 10/28/2008

Persistence: 1-3 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus besseyi (grafted) **Variety:**
Cultivar: Pawnee Buttes **Family:** Rosaceae **Tsnum:** 09081
Common Name: Pawnee Buttes Sandcherry TREE FORM
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Broad oval

Plant Height: 5-6 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 5-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010. Established with no problem.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus bessyi **Variety:**
Cultivar: Pawnee Buttes **Family:** **Tsnum:** 13122
Common Name: Pawnee Buttes Sand Cherry
Source: **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/6/2013

Plant Habit: Broad oval

Plant Height: 18 in.

Plant Width: 1-2 ft.

Current Seasons Growth: 1-3 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend. Would probably look better if it had not been forced into leaf for Garden and Home show.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus bessyii **Variety:**
Cultivar: Prostrata **Family:** Rosaceae **Tsnum:** 97251
Common Name: Creeping Western Sandcherry
Source: Fort Collins Nursery **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Spreading

Plant Height: 1 - 1.5 ft.

Plant Width: 3 - 6 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/29/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/9/2003

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: dark red, orange

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus cerasifera **Variety:**
Cultivar: Cripoizam **Family:** Rosaceae **Tsnum:** 08012
Common Name: Crimson Pointe Plum
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/6/2013

Plant Habit: Columnar

Plant Height: 8-12 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Dark red

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2011. 25% of canopy is flopping to the side possibly due to earlier snowfall .

Observation Date of Flowers: 3/27/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus cerasifera *Variety:* -0-
Cultivar: Newport *Family:* Rosaceae *Tsnum:* 93049
Common Name: Kankakee Newport Plum
Source: A. McGill & Son Nursery *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Broad oval to round
Plant Height: 9-12 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 3-6 in.

Foliage Color: Red
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Poor to fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Has a lot of suckers.
Seems to be in decline.

Observation Date of Flowers: 4/21/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present: no

Comments on Flowers: Has a maroon eye.

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: burnt red, dark red

Date of observation: 10/16/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus fontanesiana *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 78134
Common Name: Des Fontaines Cherry
Source: USDA/NC-7 *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/7/2013

Plant Habit: Upright oval

Plant Height: 55-65 ft.

Plant Width: 40-50 ft.

Current Seasons Growth: 8 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Wildlife, specimen, large shade tree

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very attractive gray and red bark. One of the few Prunus not to have ever had major storm damage.

Observation Date of Flowers: 4/21/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present: no

Comments on Flowers: Very showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus mahaleb **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 83156
Common Name: Cherry
Source: Forrest Keeling Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/5/2013

Plant Habit: Round to broad oval

Plant Height: 35-45 ft.

Plant Width: 40-50 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Never seems to have any significant problems except for some occasional storm damage.

Observation Date of Flowers: 4/21/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus mexicana *Variety:*
Cultivar: *Family:* Rosaceae *Tsnum:* 03142
Common Name: Big-Tree Plum
Source: Texas *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 9/30/2013
Plant Habit: Broad oval, spreading
Plant Height: 1-2 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 3-4 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Lacks vigor and looks leggy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus nigra *Variety:* -0-
Cultivar: Princess Kay *Family:* Rosaceae *Tsnum:* 88139
Common Name: Princess Kay Canada Plum
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/7/2013
Plant Habit: Irregular due to dieback from canker
Plant Height: 12-17 ft.
Plant Width: 14-18 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Suckers

Recommended: Marginal

Comments on plant: Growth habit deformed by snow. Moderate suckering. Not a long term tree but fantastic when young.

Observation Date of Flowers: 4/15/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Beautiful tufts of double flowers. Fades to pink as it matures.

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: purple, orange, red

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus nigra *Variety:*
Cultivar: Princess Kay *Family:* Rosaceae *Tsnum:* 10144
Common Name: Princess Kay Plum
Source: Garden and Home Show *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers: 4/2/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Recently planted and is impacting flowering.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus padus *Variety:* commutata
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 82097
Common Name: Mayday Tree
Source: Jewell Nursery, Inc. *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/6/2013
Plant Habit: Upright oval, round
Plant Height: 18-24 ft.
Plant Width: 20 - 25 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Suckers profusely

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 5/2/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow, purple/red

Date of observation: 10/1/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus padus **Variety:**
Cultivar: Berg Redleaf **Family:** Rosaceae **Tsnum:** 07031
Common Name: Redleaf May Day Tree
Source: Bailey Nurseries **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/6/2013
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Dark red
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Suckering is moderate one of three trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus padus **Variety:**
Cultivar: Drietreer **Family:** Rosaceae **Tsnum:** 04034
Common Name: Merlot Bird Cherry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Vase

Plant Height: 6-9 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6-12 in

Foliage Color: Dark purple

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Just planted in 2008. Half of tree appears to be struggling with borers or a canker on trunk.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus padus **Variety:**
Cultivar: DTR 117 **Family:** Rosaceae **Tsnum:** 02046
Common Name: Summer Glow Bird Cherry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/6/2013
Plant Habit: Upright oval to irregular
Plant Height: 12-17 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Dark red
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Many suckers

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2004. Has a large bend in the trunk about halfway up so it appears to have a strange growth habit but starting to regain normal growth habit.

Observation Date of Flowers: 4/26/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Dark purple

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus padus *Variety:*
Cultivar: DTR 117 *Family:* Rosaceae *Tsnum:* 98034
Common Name: Summer Glow Bird Cherry
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/9/2012
Plant Habit: Round
Plant Height: 10-15 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Canopy looks good but trunk has large canker.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus sargentii **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 82109
Common Name: Sargent Cherry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/5/2013

Plant Habit: Vase

Plant Height: 27-34 ft.

Plant Width: 15 - 25 ft.

Current Seasons Growth: 8 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Large scar from sun scald or canker on trunk will shorten life span of this tree as well as ruin aesthetics of trunk.

Observation Date of Flowers: 3/26/2012

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: orangish red, orange

Date of observation: 10/16/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus sargentii **Variety:**
Cultivar: Pink Flair **Family:** Rosaceae **Tsnum:** 01017
Common Name: Pink Flair Cherry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Vase

Plant Height: 9-12 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-8 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Large wound from vandalism creates a uneven appearance on one of two trees but second tree looks good.

Observation Date of Flowers: 4/14/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Red, orange

Date of observation: 10/8/2010

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus sargentii **Variety:**
Cultivar: Rancho **Family:** Rosaceae **Tsnum:** 00045
Common Name: Rancho Flowering Cherry
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 11/9/2012

Plant Habit: Vase

Plant Height: 16-22 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering

Recommended: Yes

Comments on plant: Has extensive sunscald on southwest side of trunk but canopy looks good.

Observation Date of Flowers: 3/28/2012

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: orange, deep red

Date of observation: 10/21/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus subhirtella **Variety:**
Cultivar: Pishshzam **Family:** Rosaceae **Tsnum:** 09047
Common Name: Pink Snow Showers Flowering Cherry
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/5/2013

Plant Habit: Weeping

Plant Height: 5-7 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers: 3/30/2012

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-65%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Still getting established and should have more flowers as it matures.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus tenella **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 04039
Common Name: Dwarf Russian Almond
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** 24594

Observation Date of Plant: 10/7/2013

Plant Habit: Round

Plant Height: 3-4 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: May be planted in too much shade.

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/15/2007

Flower Color: Pink

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Prunus x
Cultivar: Pishshzam **Family:** Rosaceae **Variety:**
Common Name: Pink Snow Showers Flowering Cherry **Tsnum:** 08016
Source: Femrite Nursery Company **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Weeping

Plant Height: 6-8 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 20-30 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor to good

Landscape Uses: Specimen

Overall Plant Health: Poor to good

Insect Pests:

Pest Severity:

Plant Disease: Canker at graft on one of two trees.

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2009. Second tree is almost dead but first looks good except it has a little gummosis on trunk.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Prunus x cistena *Variety:*
Cultivar: *Family:* *Tsnum:* 13120
Common Name: Purpleleaf Sand Cherry
Source: *Quantity observed:* 3 *PI #:*

Observation Date of Plant: 10/5/2013
Plant Habit: Upright oval
Plant Height: 5-6 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Red
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend. Would probably look better if it had not been forced into leaf for Garden and Home show.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Pseudotsuga menziesii *Variety:* -0-
Cultivar: -0- *Family:* Pinaceae *Tsnum:* 88133
Common Name: Douglas Fir
Source: Zelenka Nursery *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 11/2/2012
Plant Habit: Pyramidal
Plant Height: 30-40 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, native planting

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Needles are soft to touch.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: *Date of observation:*
Aesthetics: *Persistence:*
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ptelea polyadenia *Variety:* -0-
Cultivar: -0- *Family:* Rutaceae *Tsnum:* 81297
Common Name: Hoptree
Source: Denver Botanic Gardens *Quantity observed:* 1 *PI #:* PN1270

Observation Date of Plant: 10/1/2013
Plant Habit: Spreading, irregular
Plant Height: 14-18 ft.
Plant Width: 18-25 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering.

Recommended: Yes

Comments on plant: About 40-50% of canopy removed in 2003 due to damage from late snow.
Pruning out damage seems to have re-invigorated it.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pterocarya stenoptera *Variety:*
Cultivar: *Family:* Juglancaceae *Tsnum:* 98072
Common Name: Chinese Wingnut
Source: USDA/NC-7, Ames, IA *Quantity observed:* 1 *PI #:* PI 596388

Observation Date of Plant: 9/28/2012
Plant Habit: Misshapen
Plant Height: 10-15 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably look fine with space. Attractive foliage and good vigor but poor form. Would look better if it had more space and wasn't leaning because it was crowded. Does not appear to be able to correct growth habit and will result in

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pyrus **Variety:**
Cultivar: Silver Ball **Family:** Rosaceae **Tsnum:** 06027
Common Name: Silver Ball Pear
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Has really put on a lot of growth in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Pyrus betulifolia *Variety:* -0-
Cultivar: The Dancer *Family:* Rosaceae *Tsnum:* 87181
Common Name: The Dancer Pear
Source: Discover-Tree Research *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Upright oval

Plant Height: 25-30 ft.

Plant Width: 15 - 20 ft.

Current Seasons Growth: 8 - 15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Deformed by past snow load.

Observation Date of Flowers: 4/19/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pyrus calleryana **Variety:**
Cultivar: Bradford x Redspire **Family:** Rosaceae **Tsnum:** 94127
Common Name: Bradford x Redspire Pear
Source: Forrest Keeling Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright, irregular

Plant Height: 14-18 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Seems to be in decline due to cankers. Two of three main branches are very anemic due to canker but third branch shows a lot of vigor.

Observation Date of Flowers: 4/2/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 60-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Bud is pink. Trees has poor vigor.

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: red, dark red

Date of observation: 10/2/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: *Pyrus calleryana* **Variety:** -0-
Cultivar: Capital **Family:** Rosaceae **Tsnum:** 87173
Common Name: Capital Callery Pear
Source: Monrovia Growers **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Irregular to upright oval

Plant Height: 25-33 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, residential street tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit isn't very attractive - branches go in different directions and appear leggy. Probably deformed by snow load. On 11/16/09 snow broke off a large branch - about 25% of canopy.

Observation Date of Flowers: 4/15/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pyrus calleryana **Variety:** -0-
Cultivar: Cleveland **Family:** Rosaceae **Tsnum:** 91114
Common Name: Cleveland Callery Pear
Source: Schichtel's Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/4/2013

Plant Habit: Narrow, upright oval

Plant Height: 30-38 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen, narrow areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is slightly irregular due to snow damage a few years ago.

Observation Date of Flowers: 4/2/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Few flowers on branches in partial shade

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pyrus calleryana **Variety:** -0-
Cultivar: Cleveland Select **Family:** Rosaceae **Tsnum:** 88101
Common Name: Cleveland Select Callery Pear
Source: Carlton Plants **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2013
Plant Habit: Upright oval, becoming irregular
Plant Height: 28-36 ft.
Plant Width: 18-25 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen, narrow areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: A few branches are deformed by past snow loads - looks leggy.

Observation Date of Flowers: 3/30/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-95%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: red, some yellow

Date of observation: 11/3/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: *Pyrus calleryana* **Variety:**
Cultivar: Gladzam **Family:** Rosaceae **Tsnum:** 04024
Common Name: Gladiator Flowering Pear
Source: Femrite Nursery Company **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 8-10 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pyrus calleryana *Variety:* -0-
Cultivar: Glen's Form *Family:* Rosaceae *Tsnum:* 88089
Common Name: Chanticleer Callery Pear
Source: Handy Nursery Co. *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Upright oval

Plant Height: 30-40 ft.

Plant Width: 20-28 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, narrow areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Canopy is more open than when young.

Observation Date of Flowers: 3/30/2012

Flower Color: White, pink buds

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 85-95%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pyrus calleryana **Variety:** -0-
Cultivar: Glen's Form' **Family:** Rosaceae **Tsnum:** 88097
Common Name: Chanticleer Callery Pear
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2013
Plant Habit: Upright oval
Plant Height: 25-35 ft.
Plant Width: 15 - 20 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen, narrow areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is affected by nearby trees - might be wider if had more space.

Observation Date of Flowers: 4/2/2012

Flower Color: White, pink buds

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 75-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pyrus calleryana **Variety:**
Cultivar: Jackzam **Family:** Rosaceae **Tsnum:** 06005
Common Name: Jack Dwarf Flowering Pear
Source: Femrite Nursery Company **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 8-10 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, narrow areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Attractive compact growth habit and smaller leaves. Planted in arboretum in 2008.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pyrus calleryana **Variety:**
Cultivar: Jaczam **Family:** Rosaceae **Tsnum:** 05001
Common Name: Jack Dwarf Flowering Pear
Source: Femrite Nursery Company **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 5-8 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, narrow areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in Fall 2006.

Observation Date of Flowers: 4/5/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pyrus calleryana **Variety:**
Cultivar: Jaczam **Family:** Rosaceae **Tsnum:** 10020
Common Name: Jack Pear
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/4/2013

Plant Habit: Upright oval

Plant Height: 7-9 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 6-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Pyrus calleryana **Variety:**
Cultivar: Lililzam **Family:** Rosaceae **Tsnum:** 08017
Common Name: Lil' Jill Flowering Pear
Source: Femrite Nursery Company **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/4/2013
Plant Habit: Upright oval
Plant Height: 6-7 ft.
Plant Width: 3-4.5 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers: 4/2/2012
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 40-50%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Will probably get more flowers as it matures.

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pyrus calleryana **Variety:** -0-
Cultivar: Stonehill **Family:** Rosaceae **Tsnum:** 92010
Common Name: Stonehill Callery Pear
Source: A. McGill & Son Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/1/2013
Plant Habit: Narrow, upright oval becoming irregular
Plant Height: 32-38 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Deformed by past snow loads - growth habit is slow to regain form.

Observation Date of Flowers: 3/30/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: red

Date of observation: 11/10/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pyrus calleryana **Variety:**
Cultivar: Whitehouse **Family:** Rosaceae **Tsnum:** 01041
Common Name: Whitehouse Pear
Source: Monrovia Growers **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/1/2013

Plant Habit: Upright oval

Plant Height: 12-17 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Leaf spot

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Slightly deformed by past snow loads. Planted in arboretum in 2002.

Observation Date of Flowers: 3/26/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: *Pyrus fauriei* **Variety:**
Cultivar: Korean Sun **Family:** Rosaceae **Tsnum:** 96076
Common Name: Korean Sun Flowering Pear
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Broad oval

Plant Height: 6-9 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/21/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Red

Date of observation: 10/15/2012

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: *Pyrus fauriei* **Variety:**
Cultivar: Westwood **Family:** Rosaceae **Tsnum:** 98035
Common Name: Korean Sun Flowering Pear
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/11/2012

Plant Habit: Round

Plant Height: 8 - 12 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Canopy is very dense.

Nuisances:

Recommended: No

Comments on plant: Uneven growth above graft union.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Red

Date of observation: 10/1/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pyrus regleii *Variety:* -0-
Cultivar: Angel Wing *Family:* Rosaceae *Tsnum:* 87106
Common Name: Angel Wing Pear
Source: Pacific Coast Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Round to irregular

Plant Height: 8- 14 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 6 - 18 in.

Foliage Color: Gray/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Leaf spot

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Starts defoliating in August due to foliar disease. Defoliated at least four weeks earlier than most Pyrus but this year it still has leaves in October which is very surprising.

Observation Date of Flowers: 4/21/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 25-40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: *Pyrus ussuriensis* **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 82216
Common Name: Chinese Pear
Source: USDA, Mandan, ND **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/3/2013
Plant Habit: Broad oval
Plant Height: 22-27 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Insect Pests:
Pest Severity:

Plant Disease:
Disease Severity:

Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Maintains a pleasing growth habit even as it matures as opposed to many other *P. calleryana*s. Appears to get fall color earlier and drop leaves quicker than *Callery* so maybe less susceptible to snow damage.

Observation Date of Flowers: 3/26/2012
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 70-80%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: golden yellow

Date of observation: 10/5/2011
Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Pyrus ussuriensis **Variety:**
Cultivar: Mordak **Family:** Rosaceae **Tsnum:** 95038
Common Name: Prairie Gem Pear
Source: J. Frank Schmidt and Son Co **Quantity observed:** 4 **PI #:**

Observation Date of Plant: 10/9/2012
Plant Habit: Round
Plant Height: 10-15 ft.
Plant Width: 12-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 3/28/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-95%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pyrus ussuriensis **Variety:** compactum
Cultivar: Mordak Prariegem **Family:** Rosaceae **Tsnum:** 91135
Common Name: Mordak Prariegem Chinese Pear
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/4/2013
Plant Habit: Upright oval becoming round
Plant Height: 20-25 ft.
Plant Width: 18-22 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 3/30/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair to poor

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: May need full sun for best flowering but still is inferior to other Pyrus.

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: bright yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Pyrus x **Variety:**
Cultivar: Edgewood **Family:** Rosaceae **Tsnum:** 98032
Common Name: Edgewood Pear
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval, irregular
Plant Height: 12-15 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Appears to have been deformed by snow damage October 2011. Moved Spring of 2003 due to unavoidable construction.

Observation Date of Flowers: 4/21/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Poor
% of Flower Coverage: 15-25%
Bloom Stage: Flowers open. Flowers mainly on lower third of plant.
Fruit Present:
Comments on Flowers: Pink buds.

Fall Color or Fruit: Fall color **Date of observation:** 10/16/2003
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: magenta red, orange

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus **Variety:**
Cultivar: Crimschmidt **Family:** Fagaceae **Tsnum:** 95039
Common Name: Crimson Spire Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012
Plant Habit: Columnar
Plant Height: 18-22 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Excellent growth habit - very uniform. One of two declined and died in 2012. A lot of swelling and suckering at ground level. Could be a girdling root but exact cause is unknown.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/16/2003
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: bright red, dark red

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus acutissima **Variety:** -0-
Cultivar: -0- **Family:** Fagaceae **Tsnum:** 80347
Common Name: Sawtooth Oak
Source: US Nat'l Arboretum **Quantity observed:** 1 **PI #:** NA45362

Observation Date of Plant: 10/7/2013
Plant Habit: Irregular
Plant Height: 14-18 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Slight chlorosis. Severely misshapen due to storm damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus acutissima **Variety:**
Cultivar: Gobbler **Family:** Fagaceae **Tsnum:** 03036
Common Name: Gobbler Sawtooth Oak
Source: Forrest Keeling Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/7/2013

Plant Habit: Irregular

Plant Height: 6-7 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, large shade tree, wildlife

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Was in lathhouse too long and developed a lean to one side.

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Quercus alba

Variety:

Cultivar: Ames 27340

Family: Fagaceae

Tsnum: 08069

Common Name: White Oak

Source: USDA/NC-7, Ames, IA

Quantity observed:

1

PI #: Ames 27340

Observation Date of Plant: 10/8/2013

Plant Habit: Young, undefined

Plant Height: 4-5 ft.

Plant Width: 2-4 ft.

Current Seasons Growth: 1-3 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Quercus bicolor **Variety:** -0-
Cultivar: -0- **Family:** Fagaceae **Tsnum:** 78108
Common Name: Swamp White Oak
Source: Bath Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Broad oval to round
Plant Height: 15 - 20 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Large, shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Misshapen by storm damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair to poor
Fall Color: creamy brown

Date of observation: 10/10/2011
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus borealis *Variety:*
Cultivar: *Family:* Fagaceae *Tsnum:* 00046
Common Name: Northern Red Oak
Source: Carlton Plants *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 10/9/2013
Plant Habit: Upright oval
Plant Height: 15-25 ft.
Plant Width: 8-15 ft.
Current Seasons Growth: 6-14 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor is a little low on one of two but both look okay overall.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color *Date of observation:* 10/8/2009
Aesthetics: Good to excellent *Persistence:* 1-2 weeks
Fall Color: Rosy red

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Quercus gambelii **Variety:** -0-
Cultivar: -0- **Family:** Fagaceae **Tsnum:** 78054
Common Name: Gambel Oak
Source: Colorado Nurseryman **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Round, multi-stem

Plant Height: 20-25 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Native planting, xeriscape, small/confined areas, small tree or large shrub

Overall Plant Health: Good

Insect Pests: Galls

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Prolific suckering

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: bronze, yellow

Date of observation: 9/23/2004

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus gambelii *Variety:* -0-
Cultivar: -0- *Family:* Fagaceae *Tsnum:* 78106
Common Name: Gambel Oak
Source: Western Evergreen Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 30-40 ft.

Plant Width: 25-32 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Native planting, xeriscape, small/confined areas, small tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This specimen has a very strong central leader.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus hybrid

Variety: -0-

Cultivar: -0-

Family: Fagaceae

Tsnum: 91096

Common Name: Oak

Source: USDA/NC-7, Ames, IA

Quantity observed: 3

PI #: -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval

Plant Height: 20-30 ft.

Plant Width: 15 - 20 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/28/2008

Aesthetics: Fair

Persistence: 1-2 weeks

Fall Color: Brown/yellow

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus macrocarpa **Variety:**
Cultivar: Dakota Sunrise **Family:** Fagaceae **Tsnum:** 98049
Common Name: Dakota Sunrise Bur Oak
Source: Direct Value Nursery, St. Cha **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/11/2012

Plant Habit: Upright, irregular

Plant Height: 13-17 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests: Galls

Pest Severity: Moderate injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering

Recommended: Yes

Comments on plant: Seems to develop large populations of galls on stems which are round and almost ornamental in the winter but may be reducing vigor. Foliage is very dense and very dark green.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow, red

Date of observation: 10/16/2003

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Quercus macrocarpa **Variety:**
Cultivar: JFS-KW3 **Family:** Fabaceae **Tsnum:** 08013
Common Name: Urban Pinnacle Bur Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/7/2013

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, xeriscape, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Looks okay but lacks vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus mongolica **Variety:** grosseserrata
Cultivar: -0- **Family:** Fagaceae **Tsnum:** 84062
Common Name: Mongolian Oak
Source: US Nat'l Arboretum **Quantity observed:** 1 **PI #:** NA51357

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval

Plant Height: 20-26 ft.

Plant Width: 18-25 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Minor suckering. Slightly chlorotic overall. Might have better vigor and aesthetics if not crowded by nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Quercus muehlenbergii **Variety:** -0-
Cultivar: -0- **Family:** Fagaceae **Tsnum:** 83116
Common Name: Yellow Chestnut
Source: US Nat'l Arboretum **Quantity observed:** 1 **PI #:** NA49778

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval to round

Plant Height: 30-35 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks good. No chlorosis during summer. Some branches getting shaded out. May be wider if not crowded by nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Quercus muehlenbergii *Variety:* -0-
Cultivar: -0- *Family:* Fagaceae *Tsnum:* 88114
Common Name: Yellow Chestnut Oak
Source: USDA/NC-7, Ames, IA *Quantity observed:* 2 *PI #:* A7814

Observation Date of Plant: 10/7/2013

Plant Habit: Round to upright oval

Plant Height: 35-45 ft.

Plant Width: 30-42 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Attractive leaf shape.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus petraea **Variety:**
Cultivar: 26147 **Family:** Fagaceae **Tsnum:** 02036
Common Name: Oak
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** 26147

Observation Date of Plant: 10/9/2013
Plant Habit: Upright oval
Plant Height: 6-7 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker on trunk

Disease Severity: Doesn't seem active.

Cultural Problems: Was in lathhouse too long.

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend. Leaning to one side due to unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus robur *Variety:* -0-
Cultivar: -0- *Family:* Fagaceae *Tsnum:* 78109
Common Name: English Oak
Source: J. Frank Schmidt and Son Co *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/7/2013
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 45-55 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus robur **Variety:** -0-
Cultivar: Pyramich **Family:** Fagaceae **Tsnum:** 87086
Common Name: Skymaster English Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 8 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two trees is larger than the other. It may be larger since it was planted on a mounded berm and the other is not.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus robur **Variety:** -0-
Cultivar: Westminster Globe **Family:** Fagaceae **Tsnum:** 87087
Common Name: Westminster Globe English Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Round to upright oval

Plant Height: 35-45 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of three is smaller compared to other two - cause is unknown.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus robur fastigiata x bicolor **Variety:**
Cultivar: Long **Family:** Fagaceae **Tsnum:** 99023
Common Name: Regal Prince Oak
Source: Femrite Nursery Company **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Columnar

Plant Height: 17-22 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Dark green

Bark Characteristics: Not very important

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/narrow areas

Overall Plant Health: Fair

Insect Pests: Scale

Pest Severity: Severe injury

Plant Disease: Sooty mold

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Foliage is an impressive dark green with a nice gloss. Nice dense growth habit. Canopy looks thin with some dieback due to scale. One of two is moderately chlorotic probably due to too much shade from nearby building and trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: bright yellow

Date of observation: 10/16/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus robur x alba **Variety:**
Cultivar: JFS-KW1QRX **Family:** Fagaceae **Tsnum:** 11017
Common Name: Streetspire Hybrid Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 12/12/2013

Plant Habit: Columnar

Plant Height: 6-8 ft.

Plant Width: 2 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Red, darker shades

Date of observation: 10/29/2013

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus x bimundorum **Variety:**
Cultivar: Midwest **Family:** Fagaceae **Tsnum:** 09018
Common Name: Prairie Stature Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 7-9 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Quercus x scheutte **Variety:**
Cultivar: Kimberly **Family:** Fagaceae **Tsnum:** 04017
Common Name: Kimberly Hybrid Oak
Source: Forrest Keeling Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/7/2013

Plant Habit: Upright oval

Plant Height: 8-10 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Was in lathhouse too long.

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rhamnus caroliniana *Variety:*
Cultivar: *Family:* Rhamnaceae *Tsnum:* 03148
Common Name: Carolina Buckthorn
Source: Texas *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/1/2012

Plant Habit: Columnar

Plant Height: 4-5 ft.

Plant Width: 1-3 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rhamnus davurica *Variety:* -0-
Cultivar: -0- *Family:* Rhamnaceae *Tsnum:* 78112
Common Name: Dahurian Buckthorn
Source: USDA/NC-7 *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Broad oval

Plant Height: 14-18 ft.

Plant Width: 25-30 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Some breakage due to the weight of branches and fruit which has left it open in the middle. Birds spread seed and it becomes invasive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rhamnus frangula *Variety:* -0-
Cultivar: Asplenifolia *Family:* Rhamnaceae *Tsnum:* 89124
Common Name: Fernleaf Buckthorn
Source: Bailey Nurseries *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Upright oval
Plant Height: 9-14 ft.
Plant Width: 9-14 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Excellent
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: A good plant for a unique texture and appearance.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rhamnus frangula **Variety:**
Cultivar: Asplenifolia **Family:** Rhamnaceae **Tsnum:** 10003
Common Name: Fernleaf Buckthorn (tree form)
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/26/2012

Plant Habit: Upright oval

Plant Height: 5-7 ft.

Plant Width: 2-4 ft .

Current Seasons Growth: 12-18 in.

Foliage Color: Dark green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend. Leaves on one plant are narrow but 3-4 times as wide as second plant.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rhamnus infectoria **Variety:** -0-
Cultivar: -0- **Family:** Rhamnaceae **Tsnum:** 78111
Common Name: Avignon Berry
Source: USDA/NC-7 **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Broad oval

Plant Height: 10 - 15 ft.

Plant Width: 20 - 30 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Seedlings sprouting all over due to spread by birds.

Recommended: Marginal

Comments on plant: Might make a nice small multi-stem tree if pruned up.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 9/23/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rhus aromatica **Variety:** -0-
Cultivar: -0- **Family:** Anacardiaceae **Tsnum:** 77009
Common Name: Fragrant Sumac
Source: Unknown **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Broad oval

Plant Height: 6 - 9 ft.

Plant Width: 10 - 20 ft.

Current Seasons Growth: 3-4 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: golden yellow, orange,
red

Date of observation: 10/28/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rhus aromatica **Variety:** -0-
Cultivar: Grow-Low **Family:** Anacardiaceae **Tsnum:** 90038
Common Name: Grow-Low Fragrant Sumac
Source: Synnestvedt Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/15/2012

Plant Habit: Spreading

Plant Height: 2-4 ft.

Plant Width: 6 - 10 ft

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has good vigor and may grow wider if it had more space.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rhus aromatica **Variety:** -0-
Cultivar: Improved **Family:** Anacardiaceae **Tsnum:** 93064
Common Name: Improved Fragrant Sumac
Source: Forrest Keeling Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Broad oval

Plant Height: 4-5 ft.

Plant Width: 6-9 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Two of three plants look good but would look better with more irrigation.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rhus aromatica *Variety:* serotina
Cultivar: Konza *Family:* Anacardiaceae *Tsnum:* 86178
Common Name: Konza Fragrant Sumac
Source: USDA/NC-7, Ames, IA *Quantity observed:* 2 *PI #:* PI477981

Observation Date of Plant: 10/1/2013
Plant Habit: Spreading
Plant Height: 7-9 ft.
Plant Width: 10 - 20 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Rhus copallinum **Variety:**
Cultivar: **Family:** Anacardiaceae **Tsnum:** 09073
Common Name: Flameleaf Sumac
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **PI #:** Ames 13815

Observation Date of Plant: 9/26/2013
Plant Habit: Young, undefined
Plant Height: 3-5 ft
Plant Width: 2-3 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rhus trilobata *Variety:* -0-
Cultivar: -0- *Family:* Anacardiaceae *Tsnum:* 78014
Common Name: Skunkbush Sumac
Source: Knox City Plant Material *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Broad oval

Plant Height: 6 - 10 ft.

Plant Width: 10-15 ft

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rhus trilobata *Variety:* -0-
Cultivar: Bighorn *Family:* Anacardiaceae *Tsnum:* 91127
Common Name: Bighorn Threelobed Sumac
Source: Jewell Nursery, Inc. *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Broad oval

Plant Height: 4-6 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rhus trilobata *Variety:* -0-
Cultivar: Bighorn *Family:* Anacardiaceae *Tsnum:* 93121
Common Name: Bighorn Skunkbush Sumac
Source: USDA/NC-7, Ames, IA *Quantity observed:* 3 *PI #:* 483445

Observation Date of Plant: 10/9/2013

Plant Habit: Round to broad oval

Plant Height: 4-6 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rhus typhina **Variety:** -0-
Cultivar: Laciniata **Family:** Anacardiaceae **Tsnum:** 78207
Common Name: Cutleaf Staghorn Sumac
Source: Rose Lake Plant Material **Quantity observed:** 4 **PI #:** -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Spreading

Plant Height: 6 - 8 ft.

Plant Width: 15 - 20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Dependable for good fall color and interesting texture.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: orange, yellow, red,
purple

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rhus typhina **Variety:**
Cultivar: Tiger Eyes **Family:** Anacardiaceae **Tsnum:** 03122
Common Name: Tiger Eyes Staghorn Sumac
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/4/2013

Plant Habit: upright, irregular

Plant Height: 3-4 ft.

Plant Width: 2 - 4 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Chartreuse

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Vigor seems low for a sumac. May have too much competition from surrounding plants (large spruce) for moisture. Great leaf and petiole color.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ribes alpinum *Variety:* -0-
Cultivar: Green Mound *Family:* Saxifragaceae *Tsnum:* 89107
Common Name: Green Mound Alpine Currant
Source: Synnestvedt Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/17/2012

Plant Habit: Broad oval

Plant Height: 4 - 5 ft.

Plant Width: 6 - 9 ft.

Current Seasons Growth: 2-5 in.

Foliage Color: Medium to dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Hedge, shrub border

Overall Plant Health: Fair

Insect Pests: Mites

Pest Severity: Moderate injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/26/2006

Flower Color: Pale yellow

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers are too tiny to be very showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ribes alpinum **Variety:** -0-
Cultivar: Green Mound **Family:** Saxifragaceae **Tsnum:** 88123
Common Name: Green Mound Alpine Currant
Source: Timber Creek Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Broad oval

Plant Height: 3 - 5 ft.

Plant Width: 6-10 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very dense growth habit and smaller foliage is attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ribes alpinum **Variety:**
Cultivar: Pumilum **Family:** Saxifragaceae **Tsnum:** 95059
Common Name: Pumilum Currant
Source: Sjulín Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/26/2012

Plant Habit: Broad oval

Plant Height: 3-5 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice dense, compact growth habit.

Observation Date of Flowers: 4/29/2003

Flower Color: Green/Yellow

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ribes alpinum **Variety:**
Cultivar: Schroeder **Family:** Saxifragaceae **Tsnum:** 95058
Common Name: Schroeder Currant
Source: Sjulín Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/26/2012

Plant Habit: Broad oval

Plant Height: 3-4 ft.

Plant Width: 4-5 ft

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Two plants were rejuvenated in 2007 and slow to come back but would probably look better with full sun.

Observation Date of Flowers: 4/22/2003

Flower Color: White/Green

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ribes alpinum **Variety:**
Cultivar: Spreg **Family:** Saxifragaceae **Tsnum:** 03125
Common Name: Green Jeans Alpine Currant
Source: Bailey Nurseries **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 9/26/2012

Plant Habit: Upright, irregular

Plant Height: 3-4 ft.

Plant Width: 4-8 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Light to medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Hedge, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Growth habit isn't very attractive but may do better in full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ribes americanum *Variety:* -0-
Cultivar: -0- *Family:* Saxifragaceae *Tsnum:* 84023
Common Name: American Black Currant
Source: Denver Botanic Gardens *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Irregular, upright

Plant Height: 4-5 ft.

Plant Width: 6-8 ft

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease: Leaf spot

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Leaf spot disease always seems to make this plant defoliate early. Two of three plants were rejuvenated in 2008. Third plant is about to be swallowed by neighboring plant.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Nice fragrance.

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Red

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ribes odoratum **Variety:** -0-
Cultivar: -0- **Family:** Saxifragaceae **Tsnum:** 84202
Common Name: Clove Currant
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Irregular

Plant Height: 3-5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease: Leaf spot

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Disease causes early defoliation and is not attractive in late summer. Was rejuvenated but slow to return.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 20-30%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Great fragrance.

Fall Color or Fruit: Fall color

Aesthetics: Very good

Fall Color: Dark red

Date of observation: 9/26/2012

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ribes sanguineum **Variety:**
Cultivar: White Icicle **Family:** Saxifragaceae **Tsnum:** 03006
Common Name: White Icicle Flowering Currant
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/26/2012

Plant Habit: Upright, irregular

Plant Height: 2-3.5 ft.

Plant Width: 2.5-3.5 ft.

Current Seasons Growth: 2-3 ft.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Shrub border, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in arboretum in 2003. Seems to die back to the ground each winter - not hardy for this area. Has slight chlorosis. Growth habit is very irregular.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ribes species **Variety:** -0-
Cultivar: -0- **Family:** Saxifragaceae **Tsnum:** 78053
Common Name: Holland Lang Currant
Source: Alaska Plant Material Center **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Round

Plant Height: 2-4 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Light green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Shrub border

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: One of two rejuvenated in 2008 to try and improve vigor but slow to come back and near death.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ribes species *Variety:* -0-
Cultivar: -0- *Family:* Saxifragaceae *Tsnum:* 85175
Common Name: Currant
Source: Unknown *Quantity observed:* 1 *PI #:* NA293896

Observation Date of Plant: 9/26/2012
Plant Habit: Upright oval to irregular
Plant Height: 5-6 ft.
Plant Width: 5-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease: Leaf spot

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Disease causes early defoliation and is not attractive in late summer.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 35-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: red

Date of observation: 10/10/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ribes uva-crispa **Variety:**
Cultivar: Red Jacket **Family:** Grossulariaceae **Tsnum:** 03162
Common Name: Comanche Gooseberry
Source: Fort Collins Nursery **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Broad oval

Plant Height: 1.5 - 3 ft.

Plant Width: 2- 3 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Barrier, fruit, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2007.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Robina pseudoacacia **Variety:**
Cultivar: Frisia **Family:** Leguminosae **Tsnum:** 06036
Common Name: Frisia Locust
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/2/2012
Plant Habit: Upright, irregular
Plant Height: 12-18 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Yellow/green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, difficult sites

Overall Plant Health: Good
Insect Pests: Borers
Pest Severity: Minor injury
Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2007. One tree is flopping and bending as if trunk is too weak but the other two look good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Robinia hispida x macrophylla *Variety:*
Cultivar: Globe *Family:* Fabaceae *Tsnum:* 96077
Common Name: Flowering Loose Globe Locust
Source: Carlton Plants *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 9/5/2013

Plant Habit: Round

Plant Height: 10 - 15 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests: Borers

Pest Severity: Severe injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Susceptible to snow damage due to congested branching. Borers are causing severe weakening of branches resulting in 25-30% of canopy breaking out of tree with just mild breezes. Due to borers and loss of limbs, tree has a distorted

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Robinia pseudoacacia **Variety:**
Cultivar: Contorted **Family:** Fabaceae **Tsnum:** 96078
Common Name: Contorted Black Locust
Source: Carlton Plants **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/2/2012

Plant Habit: Upright, irregular

Plant Height: 15-20 ft.

Plant Width: 15 -20 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests: Borers

Pest Severity: Moderate injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Moved in 2003 due to unavoidable construction. Canopy is thin and probably due to borers. May need systemic insecticide for long term viability.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Robinia pseudoacacia **Variety:**
Cultivar: Inermis **Family:** Fabaceae **Tsnum:** 08006
Common Name: Globe Locust
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/6/2012
Plant Habit: Round
Plant Height: 8-9 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Insect Pests: Borers
Pest Severity: Slight injury
Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Robinia pseudoacacia *Variety:*
Cultivar: Lace Lady *Family:* Fabaceae *Tsnum:* 09049
Common Name: Twisty Baby Black Locust
Source: Carlton Plants *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/2/2012
Plant Habit: Irregular
Plant Height: 5-7 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: fair
Insect Pests: Mites
Pest Severity: Minor injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Robinia pseudoacacia **Variety:**
Cultivar: Monophylla **Family:** Fabaceae **Tsnum:** 10009
Common Name: Black Locust
Source: Carlton Plants **Quantity observed:** 4 **PI #:**

Observation Date of Plant: 10/2/2012

Plant Habit: Upright oval

Plant Height: 7-10 ft

Plant Width: 4-6 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, difficult sites

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Robinia pseudoacacia
Cultivar: Purple Robe **Family:** Fabaceae **Variety:** **Tsnum:** 08025
Common Name: Purple Robe Black Locust
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/5/2012
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, difficult sites

Overall Plant Health: Fair to poor
Insect Pests: Borers
Pest Severity: Moderate to severe injury
Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Canopy is thin due to borer damage on trunk. Planted in 2009.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa **Variety:**
Cultivar: CP 01 2701 Meitroni **Family:** Rosaceae **Tsnum:** 11036
Common Name: Hybrid Rose
Source: The Conard Pyle Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/2/2013

Plant Habit: Upright oval

Plant Height: 2-3 ft

Plant Width: 12-18 in.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa **Variety:**
Cultivar: CP 02 3501 **Family:** Rosaceae **Tsnum:** 11034
Common Name: Hybrid Rose
Source: The Conard Pyle Co. **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/3/2013

Plant Habit: Young, undefined

Plant Height: 12-18 in.

Plant Width: 12-24 in.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Vigor could be better.

Observation Date of Flowers: 10/3/2013

Flower Color: Yellow maturing to white and pink

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 10%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers: Buds have dark red edges on petals

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa **Variety:**
Cultivar: CP 03 4131 **Family:** Rosaceae **Tsnum:** 11033
Common Name: Hybrid Rose
Source: The Conard Pyle Co. **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/3/2013

Plant Habit: Upright

Plant Height: 12-18 in.

Plant Width: 12-18 in.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Might have more vigor in a full sun location.

Observation Date of Flowers: 10/3/2013

Flower Color: Yellow bud, mature light yellow and then to nice whit with pink blush around edge

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 10.00%

Bloom Stage: Past prime

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa **Variety:**
Cultivar: CP 98 1537 **Family:** Rosaceae **Tsnum:** 11035
Common Name: Hybrid Rose
Source: The Conard Pyle Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/3/2013

Plant Habit: Upright

Plant Height: 2-2.5 ft.

Plant Width: 2 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Looks a little leggy.

Observation Date of Flowers: 10/3/2013

Flower Color: Rose/deep pink

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 10%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa **Variety:**
Cultivar: Meikanaro **Family:** Rosaceae **Tsnum:** 11028
Common Name: Sunshine Daydream Rose™
Source: The Conard Pyle Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/3/2013

Plant Habit: Upright

Plant Height: 2-3 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers: 10/3/2013

Flower Color: Yellow cream

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 5.00%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa **Variety:**
Cultivar: Meikokan **Family:** Rosaceae **Tsnum:** 11029
Common Name: Tequila Supreme™
Source: The Conard Pyle Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/3/2013

Plant Habit: Irregular, broad

Plant Height: 2-3 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Growth habit is a little floppy.

Observation Date of Flowers: 10/3/2013

Flower Color: Pink/peach

Flower Type: Single

Flower Effect: Fair to good

% of Flower Coverage: 10.00%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa *Variety:*
Cultivar: Meikolima *Family:* Rosaceae *Tsnum:* 11032
Common Name: Pink Flamingo Rose TM
Source: The Conard Pyle Co. *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color: Pink Flamingo

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa **Variety:**
Cultivar: Meikolima **Family:** Rosaceae **Tsnum:** 11032
Common Name: Pink Flamingo Rose TM
Source: The Conard Pyle Co. **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/3/2013

Plant Habit: Upright oval

Plant Height: 2 ft.

Plant Width: 1 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2011. Seems to have died back to half the size it was in 2011 but foliage still looks healthy now.

Observation Date of Flowers: 10/3/2013

Flower Color: Pink

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 10.00%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa **Variety:**
Cultivar: Meipreston **Family:** Rosaceae **Tsnum:** 08042
Common Name: Ruby Meidiland Rose
Source: The Conard Pyle Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/3/2013

Plant Habit: Broad, irregular

Plant Height: 2.5-4 ft

Plant Width: 5-6 ft

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Still booming strong October 15 2013. Has developed into a nice bushy plant.

Observation Date of Flowers: 7/29/2011

Flower Color: Dark red

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 20-30%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Smaller bloom but showy in mass.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa **Variety:**
Cultivar: Radprov **Family:** Rosaceae **Tsnum:** 11030
Common Name: Orchard Romance Rose TM
Source: The Conard Pyle Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/3/2013

Plant Habit: Upright oval

Plant Height: 2-3 ft.

Plant Width: 2 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Has a nice bushy growth habit.

Observation Date of Flowers: 9/30/2011

Flower Color: Pink

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 5%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa **Variety:**
Cultivar: Radrazz **Family:** Rosaceae **Tsnum:** 08040
Common Name: Knock Out Rose
Source: The Conard Pyle Co. **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/3/2013

Plant Habit: Broad or irregular

Plant Height: 1-3 ft

Plant Width: 3-4 ft

Current Seasons Growth: 8-14 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, barrier, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008.

Observation Date of Flowers: 8/29/2011

Flower Color: Deep pink, rose

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 30%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa **Variety:**
Cultivar: Radtko **Family:** Rosaceae **Tsnum:** 08041
Common Name: Double Knock Out Rose
Source: The Conard Pyle Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/2/2013

Plant Habit: Irregular, upright

Plant Height: 2-3 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, barrier, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Vigor seems low but may be getting too much shade from nearby trees.

Observation Date of Flowers: 8/29/2011

Flower Color: Deep pink

Flower Type: Single

Flower Effect: Fair to good

% of Flower Coverage: 10-15%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Vibrant color

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa **Variety:**
Cultivar: Sprothrive **Family:** Rosaceae **Tsnum:** 11031
Common Name: Thrive! Rose TM
Source: The Conard Pyle Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/3/2013

Plant Habit: Upright oval

Plant Height: 2-3 ft.

Plant Width: 12-18 in.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers: 9/30/2011

Flower Color: Dark, velvety red

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 30%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers: Great color.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa acicularis **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 78052
Common Name: Rose
Source: Alaska Plant Material Center **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/3/2013

Plant Habit: Upright

Plant Height: 5-6 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 2 - 5 ft.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Needs regular pruning to look attractive. May colonize an area by rhizomes.
Habit becomes arching as plant matures.

Observation Date of Flowers: 5/8/2006

Flower Color: Pink

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Seem to be early this year but unusually showy.

Fall Color or Fruit: Fall color

Date of observation: 10/6/2008

Aesthetics: Fair

Persistence: 1-2 weeks

Fall Color: Mostly bronze/red but
also some dark purple

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa glauca

Variety:

Cultivar:

Family: Rosaceae

Tsnum: 10109

Common Name: Redleaf rose

Source: Plant Select DBG

Quantity observed: 3 *PI #:*

Observation Date of Plant: 10/3/2013

Plant Habit: Irregular

Plant Height: 3-5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 8-36 in.

Foliage Color: Blue/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa rubrifolia *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 78208
Common Name: Rose
Source: Unknown *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/16/2013

Plant Habit: Arching

Plant Height: 3-4 ft.

Plant Width: 2-3 ft

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Poor

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Low vigor again this year - due to old age and decline. Near death. Removal of old canes has only stimulated minor new growth.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Red

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa x
Cultivar: CP023701
Common Name: CP023701 Rose
Source: The Conard Pyle Co.

Family: Rosaceae

Variety:
Tsnum: 10040

Quantity observed: 2
PI #:

Observation Date of Plant: 10/3/2013

Plant Habit: Irregular

Plant Height: 1-2 ft.

Plant Width: 1-2.5 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant, thorns

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, barrier plant

Overall Plant Health: Good Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers: 10/3/2013

Flower Color: Rose edges with peach blush in center

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 10-15%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa x
Cultivar: Lavender Meidiland **Family:** Rosaceae **Variety:**
Common Name: Lavender Meidiland Rose **Tsnum:** 10037
Source: The Conard Pyle Co. **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/2/2013

Plant Habit: Round to broad oval

Plant Height: 3 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Medium green, very glossy and attractive

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Specimen, shrub border

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: yes

Comments on plant: Planted in 2012. Nice full growth habit. Attractive glossy foliage.

Observation Date of Flowers: 1/7/1900

Flower Color: Pink

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 20-30%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: There are many buds but may get nipped by frost soon.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa x
Cultivar: Meiguimov **Family:** Rosaceae **Variety:**
Common Name: The Charlatan Rose **Tsnum:** 10038
Source: The Conard Pyle Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/2/2013

Plant Habit: Upright, irregular

Plant Height: 3-4 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 2-3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers: 9/15/2013

Flower Color: white with a pink blush, cherry pink anthers

Flower Type: single

Flower Effect: Fair

% of Flower Coverage: 10.00%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers: Single petals, beautiful coloring

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa x *Variety:*
Cultivar: Meijecycka *Family:* Rosaceae *Tsnum:* 10036
Common Name: Limoncello Rose
Source: *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/3/2013

Plant Habit: Broad

Plant Height: 2-3 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Nice flowers but growth habit is a little floppy.

Observation Date of Flowers: 10/3/2013

Flower Color: Light yellow

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 30.00%

Bloom Stage: In flower

Fruit Present:

Comments on Flowers: Still looks very showy for late in season.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa x
Cultivar: Meiklutz
Common Name: Fairy Meidiland Rose
Source: The Conard Pyle Co.

Family: Rosaceae
Quantity observed: 1

Variety:
Tsnum: 07018
PI #:

Observation Date of Plant: 10/2/2013

Plant Habit: Irregular, arching, open

Plant Height: 3-5 ft.

Plant Width: 7-10 ft

Current Seasons Growth: 3-5 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Poor

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2008. Appears to be reverting to giant leggy monster.

Observation Date of Flowers: 9/15/2013

Flower Color: Deep pink

Flower Type: Double petals

Flower Effect:

% of Flower Coverage: 5.00%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa x
Cultivar: Meizmea
Common Name: Carefree Spirit Rose
Source: The Conard Pyle Co.

Family: Rosaceae
Quantity observed: 1

Variety:
Tsnum: 07020
PI #:

Observation Date of Plant: 10/2/2013

Plant Habit: Irregular, upright

Plant Height: 3-4 ft.

Plant Width: 3-4 ft..

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers: 10/2/2013

Flower Color: Dark pink with white eye and backside of petal

Flower Type: Cluster

Flower Effect: Fair to good

% of Flower Coverage: 20.00%

Bloom Stage: Past peak

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa x
Cultivar: Meizmea
Common Name: Carefree Spirit Rose
Source: The Conard Pyle Co.

Family: Rosaceae
Quantity observed: 3

Variety:
Tsnum: 10142
PI #:

Observation Date of Plant: 10/3/2013

Plant Habit: Upright oval to round

Plant Height: 3-4.5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good to excellent

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good to excellent

Insect Pests: Spider mites

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice compact growth habit with very little winter dieback.

Observation Date of Flowers: 8/3/2011

Flower Color: Red to deep pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Has showy masses of flowers

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa x
Cultivar: Radral
Common Name: Carefree Celebration Rose
Source: The Conard Pyle Co.

Family: Rosaceae
Quantity observed: 3

Variety:
Tsnum: 07017
PI #:

Observation Date of Plant: 10/3/2013

Plant Habit: Irregular, upright

Plant Height: 2-4 ft

Plant Width: 3-5 ft

Current Seasons Growth: 12-18 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good to fair

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008.

Observation Date of Flowers: 8/29/2011

Flower Color: Apricot/pink/salmon

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 20%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa x
Cultivar: Radtkopink
Common Name: Double Pink Knock Out Rose
Source: The Conard Pyle Co.

Family: Rosaceae
Quantity observed: 3

Variety:
Tsnum: 07019
PI #:

Observation Date of Plant: 10/3/2013

Plant Habit: Irregular, upright

Plant Height: 2-3.5 ft

Plant Width: 2-3.5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008.

Observation Date of Flowers: 8/29/2011

Flower Color: Pink

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 25%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Vibrant color

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Rosa x
Cultivar: Radwhite
Common Name: White Out Rose
Source: The Conard Pyle Co.

Family: Rosaceae
Quantity observed: 2

Variety:
Tsnum: 07021
PI #: CPO44461

Observation Date of Plant: 10/2/2013
Plant Habit: Broad oval, compact habit
Plant Height: 24-36 in.
Plant Width: 3-4.5 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Excellent
Landscape Uses: Hedge, barrier, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008.

Observation Date of Flowers: 7/29/2011
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 30%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Plants have 2-2.5" single white blooms.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rosa x
Cultivar: Ruby Voo Doo **Family:** Rosaceae **Variety:**
Common Name: Ruby Voo Doo **Tsnum:** 10127
Source: Plant Select/DBG **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/3/2013

Plant Habit: Upright, irregular

Plant Height: 4-4.5 ft

Plant Width: 2-3 ft.

Current Seasons Growth: 20-30 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010. 25% of plant looks a little chlorotic.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Rubus x tridel **Variety:**
Cultivar: Beneden **Family:** Rosaceae **Tsnum:** 97250
Common Name: Benenden Thimbleberry
Source: Fort Collins Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Broad oval

Plant Height: 5-6 ft.

Plant Width: 7-9 ft

Current Seasons Growth: 2-4 ft.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Never have noticed much fruit but may be in too much shade. Growth habit is a little leggy.

Observation Date of Flowers: 5/10/2006

Flower Color: White

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 26-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers are 1.5-2.0 inches across and are showy but relatively few compared to something like a mockorange or spirea.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Salix alba **Variety:** -0-
Cultivar: Altra **Family:** Salicaceae **Tsnum:** 78209
Common Name: Altra White Willow
Source: Unknown **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/25/2012
Plant Habit: Becoming broad oval, multistem
Plant Height: 50-55 ft.
Plant Width: 60-70 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, erosion control, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Seems to have better resistance to canker than most Salix.

Observation Date of Flowers: 4/1/2003

Flower Color: Lt. Yellow

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Salix alba **Variety:**
Cultivar: Britzensis **Family:** Salicaceae **Tsnum:** 94002
Common Name: Brilliant Redtwigged Willow
Source: Sjulín Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/5/2012

Plant Habit: Upright oval

Plant Height: 45-55 ft.

Plant Width: 30-40 ft

Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, erosion control

Overall Plant Health: Fair

Insect Pests: Aphids

Pest Severity: Moderate injury

Plant Disease: Canker

Disease Severity: Moderate injury 10-20% of canopy is affected

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Twigs are attractive all year long but less in the summer.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Salix alba **Variety:**
Cultivar: Sericea **Family:** Salicaceae **Tsnum:** 94078
Common Name: Sericea White Willow
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** A-13708

Observation Date of Plant: 9/25/2012
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6 - 10 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, erosion control

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Low vigor. Cankers have killed enough lateral branches to make it unattractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Salix alba x matsudana *Variety:*
Cultivar: *Family:* Salicaceae *Tsnum:* 93144
Common Name: Austree Rocky Mountain Willow
Source: Colorado Springs *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 9/25/2012
Plant Habit: Upright oval becoming irregular
Plant Height: 40-50 ft.
Plant Width: 10-20 ft
Current Seasons Growth: 12-30 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, erosion control, large tree

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Marginal
Comments on plant: Canopy has large gaps due to breakage. Has minor branch dieback due to canker. Growth habit is unattractive.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: *Date of observation:*
Aesthetics: *Persistence:*
Fall Color:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Salix caprea **Variety:** -0-
Cultivar: -0- **Family:** Salicaceae **Tsnum:** 84191
Common Name: Pussy Willow
Source: Skinner Wholesale Nursery I **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/27/2012
Plant Habit: Upright oval becoming irregular
Plant Height: 15-20 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 12-24 in

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Poor to fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate to severe injury

Cultural Problems: Crowded by nearby plants - needs more sun

Nuisances:

Recommended: Marginal

Comments on plant: All three plants have lost major limbs due to canker or storm damage and have questionable aesthetics. May be okay if rejuvenated.

Observation Date of Flowers: 3/15/2012

Flower Color: Silver/Yellow

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Salix caprea **Variety:** -0-
Cultivar: Rosea **Family:** Salicaceae **Tsnum:** 92259
Common Name: French Pink Pussy Willow
Source: Greenleaf Nursery Co. **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/25/2012

Plant Habit: Upright oval

Plant Height: 25-30 ft.

Plant Width: 10-12 ft.

Current Seasons Growth: 8-12 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: This cultivar has a much more controlled and uniform growth habit than the straight species. Moderate to severe twig dieback from canker on one of three plants.

Observation Date of Flowers: 4/1/2006

Flower Color: Silver and yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers opening

Fruit Present:

Comments on Flowers: Pink color is not very obvious.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Salix discolor **Variety:** -0-
Cultivar: -0- **Family:** Salicaceae **Tsnum:** 84192
Common Name: Pussy Willow
Source: Skinner Wholesale Nursery I **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Upright oval

Plant Height: 22-30 ft.

Plant Width: 18-24 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen, native planting, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate to severe injury

Cultural Problems:

Nuisances: Susceptible to storm damage

Recommended: Marginal

Comments on plant: Deformed by snow load in 2002. One of three has regained a normal habit by 2008. Two of three have moderate to severe canker damage but third tree looks fairly good.

Observation Date of Flowers: 3/15/2012

Flower Color: Silver/Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Salix matsudana **Variety:** -0-
Cultivar: Snake **Family:** Salicaceae **Tsnum:** 93112
Common Name: Snake Willow
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/5/2012
Plant Habit: Upright oval
Plant Height: 55-65 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 20-36 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, erosion control

Overall Plant Health: Good
Insect Pests: Aphids
Pest Severity: Minor injury
Plant Disease: Canker
Disease Severity: Slight injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Less damage from cankers - appears to be resistant. Much better canker resistance than Salix 'Tortuosa'.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Salix matsudana **Variety:** -0-
Cultivar: Tortuosa **Family:** Salicaceae **Tsnum:** 89135
Common Name: Corkscrew Willow
Source: Sherman Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/26/2012
Plant Habit: Vase to upright oval and becoming irregular as it ages
Plant Height: 25-35 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Interesting growth habit but cankers are a continual problem. Thirty percent of canopy removed in 2011 due to snow damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 9/23/2004

Persistence: 2-4 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Salix melanostachys **Variety:**
Cultivar: **Family:** Salicaceae **Tsnum:** 08027
Common Name: Black Pussy Willow
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/26/2012

Plant Habit: Irregular

Plant Height: 1-2 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Shrub border, erosion control

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: no

Comments on plant: Planted in 2011. One died almost to ground due to canker and second plant died completely.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Salix pentandra **Variety:**
Cultivar: Silver Lake **Family:** Salicaceae **Tsnum:** 06042
Common Name: Silver Lake Willow
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** Ames 27971

Observation Date of Plant: 9/26/2012

Plant Habit: Young, undefined

Plant Height: 6-9 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-8 in.

Foliage Color: Dark green, glossy

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, large shade tree

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering

Recommended: Yes

Comments on plant: Planted in 2007. Hasn't gained much size for a willow. Foliage is exceptionally attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Salix purpurea **Variety:** -0-
Cultivar: Gracilis **Family:** Salicaceae **Tsnum:** 84141
Common Name: Dwarf Blueleaf Arctic Willow
Source: Mount Arbor Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Broad oval to round

Plant Height: 6-9 ft.

Plant Width: 8-14 ft

Current Seasons Growth: 4-8 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate to severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Two of three have a lot of brown foliage and dead branches due to canker. Was rejuvenated in 2002.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Salix purpurea **Variety:** -0-
Cultivar: Streamco **Family:** Salicaceae **Tsnum:** 86115
Common Name: Streamco Basket Willow
Source: Sherman Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/26/2012
Plant Habit: Round to upright oval
Plant Height: 5-6 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Shrub border, erosion control

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Appears to be fairly susceptible to canker due to extensive dieback and lack of growth since last evaluation. Rejuvenated in 2009.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Salix viminalis **Variety:** -0-
Cultivar: Mealy Top **Family:** Salicaceae **Tsnum:** 84237
Common Name: Mealy Top Basket Willow
Source: USDA, Glen Dale, MD **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/25/2012

Plant Habit: Upright oval

Plant Height: 8-12 ft.

Plant Width: 10 - 15 ft.

Current Seasons Growth: 3-4 ft.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate to severe injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Vigor is only on water sprouts and rest of plant is much less. Might benefit from rejuvenation pruning.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Salix x *Variety:* -0-
Cultivar: Flame *Family:* Salicaceae *Tsnum:* 84201
Common Name: Flame Willow
Source: Bailey Nurseries *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 9/25/2012

Plant Habit: Upright oval

Plant Height: 20-28 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Has moderate problems with dead branches due to canker.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 10/10/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Salix x
Cultivar: Globe
Common Name: Globe Willow
Source: Mount Arbor Nursery
Family: Salicaceae
Quantity observed: 1
Variety: -0-
Tsnum: 88079
PI #: -0-

Observation Date of Plant: 9/26/2012
Plant Habit: Broad oval to round
Plant Height: 30-40 ft.
Plant Width: 40-45 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, difficult sites

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Decreased in width due to snow damage last October.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/28/2003

Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Salix x
Cultivar: Irette
Common Name: Irette Willow
Source: USDA, Glen Dale, MD

Family: Salicaceae
Quantity observed: 1

Variety: -0-
Tsnum: 84231
PI #: -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Upright oval

Plant Height: 10-15 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 5-7 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Shrub border, erosion control

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances: Susceptible to storm damage

Recommended: No

Comments on plant: 75% of canopy dead due to extensive canker damage. Suckers are vigorous and plant may recover if rejuvenated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sambucus **Variety:**
Cultivar: Black Beauty **Family:** Caprifoliaceae **Tsnum:** 05090
Common Name: Black Beauty Elder
Source: Proven Winners **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/5/2012

Plant Habit: Irregular

Plant Height: 3-5 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 2-3 ft.

Foliage Color: Dark purple/red

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One plant is slow to establish but doing better in 2012. This cultivar isn't as dark as S. 'Black Lace'.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Sambucus **Variety:**
Cultivar: Black Lace **Family:** Caprifoliaceae **Tsnum:** 05101
Common Name: Black Lace Elder
Source: Proven Winners **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/5/2012

Plant Habit: Broad oval

Plant Height: 3-4 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Dark purple - close to black

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good to excellent

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Should be very attractive when it gains mature size. Great for garden texture.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sambucus canadensis **Variety:** laciniata
Cultivar: -0- **Family:** Carifoliaceae **Tsnum:** 91087
Common Name: Cutleaf American Elder
Source: Sherman Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Vase, arching

Plant Height: 8 - 12 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 3-5 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Requires regular pruning too remove dead branches.

Recommended: Yes

Comments on plant: Nice foliage to add textural interest to landscape.

Observation Date of Flowers: 6/12/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 75-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Tiny flowers, delicate appearance

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Sambucus nigra **Variety:**
Cultivar: Gerda **Family:** Caprifoliaceae **Tsnum:** 04049
Common Name: Black Beauty Elderberry
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 3-4 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Dark purple/black

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend. Would probably look better but spent too much time in the lathhouse.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Sambucus nigra **Variety:**
Cultivar: Madonna **Family:** Caprifoliaceae **Tsnum:** 06012
Common Name: Madonna European Alder
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/5/2012

Plant Habit: Upright oval

Plant Height: 3-4 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Variegated - light green with yellow edges which fade to white

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2006. Variegated foliage is brighter toward the tips.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sambucus pubens *Variety:* -0-
Cultivar: -0- *Family:* Caprifoliaceae *Tsnum:* 87148
Common Name: Red Elderberry
Source: American Horticultural Societ *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Vase or irregular

Plant Height: 10-15 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 3-5 ft.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Requires regular pruning too remove dead branches.

Observation Date of Flowers: 5/2/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Fruit became a showy, rich red color.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Shepherdia argentea **Variety:**
Cultivar: **Family:** Elaeagnaceae **Tsnum:** 97273
Common Name: Silver Buffalo Berry
Source: USDA, Meeker, CO **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 8/27/2012

Plant Habit: Upright oval to irregular

Plant Height: 6-7 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium olive gray/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Barrier, xeriscape, shrub border, wildlife

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2005.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Shepherdia argentea *Variety:* -0-
Cultivar: -0- *Family:* Elaeagnaceae *Tsnum:* 86181
Common Name: Buffaloberry
Source: USDA/NC-7, Ames, IA *Quantity observed:* 2 *PI #:* PI478005

Observation Date of Plant: 8/27/2012
Plant Habit: Upright oval or irregular
Plant Height: 10-15 ft.
Plant Width: 10-15 ft
Current Seasons Growth: 6-12 in

Foliage Color: Medium olive green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Barrier, xeriscape, shrub border, wildlife

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would look better if not growing lopsided.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 9/23/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sibiraea laevigata *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 78119
Common Name: Siberian Spirea
Source: USDA/NC-7 *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 9/26/2012

Plant Habit: Irregular to broad oval

Plant Height: 4-5 ft.

Plant Width: 7-9 ft

Current Seasons Growth: 8-15 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Often only looks good in the spring and early summer. Often gets chlorotic around August.

Observation Date of Flowers: 5/22/2006

Flower Color: Cream

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 30-40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow and orange/red

Date of observation: 9/26/2006

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sophora japonica *Variety:* -0-
Cultivar: -0- *Family:* Leguminosae *Tsnum:* 78120
Common Name: Japanese Pagoda Tree
Source: Milton Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/28/2012
Plant Habit: Upright oval
Plant Height: 45-60 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks good despite past storm damage.

Observation Date of Flowers: 8/22/2003

Flower Color: Cream/white

Flower Type: Cluster

Flower Effect: Good to fair

% of Flower Coverage: 30-40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sophora japonica **Variety:**
Cultivar: Halka **Family:** Fabaceae **Tsnum:** 00036
Common Name: Millstone Japanese Pagodatree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/28/2012

Plant Habit: Upright oval becoming irregular due to snow damage last October.

Plant Height: 20-25 ft.

Plant Width: 15-25 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Tree sustained significant storm damage last October that ruined growth habit.
This cultivar has fewer twigs with canker than Sophora 'Regent'.

Observation Date of Flowers: 8/22/2003

Flower Color:

Flower Type:

Flower Effect: Poor

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers: Not even a hint of flowers this year - possibly in too much shade but doesn't seem likely.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Sorbaria kirikowii **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 02018
Common Name: Falsespirea
Source: Sjulín Nurseries **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/8/2013
Plant Habit: Upright oval becoming round
Plant Height: 5-8 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is much more uniform and attractive than most Sorbaria. Suckering appears to be less vigorous. Probably the best looking Sorbaria in collection.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbaria sorbifolia *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 83178
Common Name: Ural False Spirea
Source: Bailey Nurseries *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 10/4/2013

Plant Habit: Upright

Plant Height: 6-8 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 2 - 4 ft.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Shrub border, erosion control

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Will colonize surrounding area if given the chance.

Observation Date of Flowers: 7/15/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 26-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 11/3/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbaria sorbifolia **Variety:**
Cultivar: 13199 **Family:** Rosaceae **Tsnum:** 97086
Common Name: 13199 False Spirea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** PI 597614

Observation Date of Plant: 10/8/2013
Plant Habit: Upright
Plant Height: 3 ft.
Plant Width: 4-5 ft
Current Seasons Growth: 1-2 ft

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Low vigor and seems to be getting smaller each year. May require more irrigation than it gets at the edge of the arboretum.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbaria sorbifolia *Variety:*
Cultivar: 20178 *Family:* Rosaceae *Tsnum:* 97087
Common Name: 20178 False Spirea
Source: USDA/NC-7, Ames, IA *Quantity observed:* 1 *PI #:* PI 597618

Observation Date of Plant: 10/8/2013
Plant Habit: Upright, irregular
Plant Height: 2-3 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Low vigor, in decline.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbaria sorbifolia **Variety:**
Cultivar: 21773 **Family:** Rosaceae **Tsnum:** 97088
Common Name: 21773 False Spirea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **PI #:** PI 597619

Observation Date of Plant: 10/8/2013
Plant Habit: Upright
Plant Height: 4 - 5 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 2 - 4 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has better uniformity than most Sorbaria.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: yellow

Date of observation: 10/16/2003
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbaria sorbifolia **Variety:**
Cultivar: Skinner's Strain **Family:** Rosaceae **Tsnum:** 00154
Common Name: Skinner's strain Ural Falsespirea
Source: Fort Collins Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/8/2013

Plant Habit: Upright, becoming round

Plant Height: 4-6.5 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbaria sp. **Variety:**
Cultivar: 10741 **Family:** Rosaceae **Tsnum:** 97085
Common Name: 10741 False Spirea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** Ames 10741

Observation Date of Plant: 10/8/2013

Plant Habit: Upright, irregular

Plant Height: 4-5.5 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two looks good and the second plant has low vigor and declining.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbaria tomentosa **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 91097
Common Name: False Spirea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/8/2013

Plant Habit: Upright, irregular

Plant Height: 3-5 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 2-4 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Poor to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Transplanted in 2003 due to construction and hasn't had much vigor since. Two look good, one looks weak and one died since last evaluation. May be in too much shade or not getting enough irrigation at corner of arboretum.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbus aria *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 81277
Common Name: White Beam Tree
Source: Denver Botanic Gardens *Quantity observed:* 2 *PI #:* 76445

Observation Date of Plant: 10/4/2013

Plant Habit: Upright oval

Plant Height: 25-35 ft.

Plant Width: 18-25 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably look better if not crowded by neighbors.

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 11/3/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbus aucuparia *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 78116
Common Name: European Mountain Ash
Source: -0- *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/4/2013

Plant Habit: Upright oval

Plant Height: 30-40 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has some bad crotch angles but very attractive overall.

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: orange/red

Date of observation: 11/3/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbus aucuparia **Variety:**
Cultivar: 25546 **Family:** Rosaceae **Tsnum:** 02038
Common Name: Common Montain Ash
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** 25546

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in arboretum in 2005. One of two trees died from canker in 2012 but survivor looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbus aucuparia **Variety:** -0-
Cultivar: Blackhawk **Family:** Rosaceae **Tsnum:** 85142
Common Name: Blackhawk European Ash
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval

Plant Height: 30-40 ft.

Plant Width: 30-37 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has a nice growth habit.

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: orange/red, yellow

Date of observation: 11/3/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbus aucuparia *Variety:* -0-
Cultivar: Cardinal Royal *Family:* Rosaceae *Tsnum:* 84139
Common Name: Cardinal Royal European Mtn. Ash
Source: Mount Arbor Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/1/2013
Plant Habit: Upright oval to pyramidal
Plant Height: 30-40 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Excellent
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Probably the best looking Sorbus in the arboretum.

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow/orange/red

Date of observation: 11/2/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbus aucuparia *Variety:* -0-
Cultivar: Cherokee *Family:* Rosaceae *Tsnum:* 85166
Common Name: Cherokee Mountain Ash
Source: Mount Arbor Nursery *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/4/2013

Plant Habit: Upright oval

Plant Height: 28-35 ft.

Plant Width: 25-32 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Wildlife, specimen, fall color

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Tends to develop codominant leaders. Smaller tree is 1/3 smaller than the second tree and moderately chlorotic.

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: orange/red

Date of observation: 11/2/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbus aucuparia **Variety:** -0-
Cultivar: Columbia Queen **Family:** Rosaceae **Tsnum:** 88088
Common Name: Columbia Queen Mountain Ash
Source: Handy Nursery Co. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/4/2013

Plant Habit: Upright oval

Plant Height: 30-37 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: orange/red

Date of observation: 11/2/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbus aucuparia *Variety:* -0-
Cultivar: Xanthocarpa *Family:* Rosaceae *Tsnum:* 81291
Common Name: European Mtn. Ash
Source: Denver Botanic Gardens *Quantity observed:* 1 *PI #:* 75755

Observation Date of Plant: 9/30/2013
Plant Habit: Upright oval
Plant Height: 20-30 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Discolored trunk with gummosis encircling 75% of trunk within 1 ft of ground.
Might die soon but still looks good in 2013. Light suckering.

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: peach/orange, bright
orange

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbus hybrida **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 02012
Common Name: Oak Leaf Mountain Ash
Source: Femrite Nursery Company **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 1-4 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen

Overall Plant Health: Poor to fair

Insect Pests:

Pest Severity:

Plant Disease: Canker on trunk

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Both appear to have larger cankers on trunk and would account for poor vigor.
No sign of mealy bugs.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbus mougeotii **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 81279
Common Name: Mountain Ash
Source: Denver Botanic Gardens **Quantity observed:** 2 **PI #:** 4461142

Observation Date of Plant: 10/4/2013
Plant Habit: Upright oval
Plant Height: 24-30 ft.
Plant Width: 18-24 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One plant looks worse due to storm damage and suckering. Both would probably look better if not crowded for space.

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: golden yellow

Date of observation: 11/3/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbus pohnuashanensis *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 78115
Common Name: Mountain Ash
Source: Fort Collins Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/4/2013
Plant Habit: Upright oval
Plant Height: 20-27 ft.
Plant Width: 20-27 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 0-25%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow/orange

Date of observation: 10/6/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Sorbus torminalis **Variety:**
Cultivar: 26149 **Family:** Rosaceae **Tsnum:** 02040
Common Name: Wild Service Tree
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** 26149

Observation Date of Plant: 10/4/2013

Plant Habit: Young, undefined

Plant Height: 7-9 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 4 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, wildlife

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Left in lathhouse too long.

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea arguta *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 91088
Common Name: Garland Spirea
Source: Sherman Nursery *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 9/30/2013

Plant Habit: Broad oval to round

Plant Height: 5-6 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One was rejuvenated in February of 2007.

Observation Date of Flowers: 4/19/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea arguta compacta **Variety:** compacta
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 91089
Common Name: Dwarf Garland Spirea
Source: Sherman Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/30/2013
Plant Habit: Broad oval to round
Plant Height: 4 - 5 ft.
Plant Width: 4-8 ft
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green with a shade of blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks slightly leggy. Doesn't seem as compact as it used to be - looks similar to straight species.

Observation Date of Flowers: 4/19/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea betulifolia *Variety:*
Cultivar: Tor *Family:* Rosaceae *Tsnum:* 04050
Common Name: Birch-leaf Spiraea
Source: Greenleaf Nursery Co. *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 9/30/2013
Plant Habit: Round becoming broad oval
Plant Height: 3-4 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2005. Attractive round growth habit and dense canopy.
One of two plants has chlorosis on 15% of canopy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea canescens **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 90018
Common Name: Hoary Spirea
Source: Jewell Nursery, Inc. **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/30/2013

Plant Habit: Round to broad oval

Plant Height: 5-6 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 18-30 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated two plants in February of 2007.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 70-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: bright yellow, orange to burnt red

Date of observation: 10/25/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea flexuosa **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 01034
Common Name: Spirea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **PI #:** 25357

Observation Date of Plant: 9/27/2013
Plant Habit: Upright, oval becoming round
Plant Height: 3-6 ft.
Plant Width: 4-7 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in arboretum in 2003.

Observation Date of Flowers: 5/8/2006
Flower Color: White flowers, pink buds
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 40-60%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Anthers are prominent and create a soft, fuzzy appearance.

Fall Color or Fruit: Fall color **Date of observation:** 10/28/2005
Aesthetics: Fair **Persistence:** 1 week
Fall Color: Dropped leaves before
any other Spiraea.

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea fritschiana **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 99032
Common Name: Korean Spirea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** PI 603126

Observation Date of Plant: 9/30/2013

Plant Habit: Broad oval

Plant Height: 3-4 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium or light green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: 15-30% of stems have chlorosis.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow, some red

Date of observation: 10/21/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea japonica *Variety:* -0-
Cultivar: -0- *Family:* Rosaceae *Tsnum:* 80350
Common Name: Japanese Spirea
Source: US Nat'l Arboretum *Quantity observed:* 1 *PI #:* J151-78

Observation Date of Plant: 9/30/2013
Plant Habit: Broad oval
Plant Height: 2.5-4 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 6/23/2006

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers appear to have less vibrant color. Plant is weak and chlorotic.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea japonica **Variety:**
Cultivar: Crispa **Family:** Rosaceae **Tsnum:** 85101
Common Name: Crispa Japanese Spirea
Source: Bailey Nurseries **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/27/2013

Plant Habit: Broad oval, round

Plant Height: 3-4 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Moderate chlorosis affects all three plants. Leaf margin is fine toothed and adds interest. Rejuvenated in February of 2007.

Observation Date of Flowers: 7/8/2003

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea japonica **Variety:**
Cultivar: Little Princess **Family:** Rosaceae **Tsnum:** 85160
Common Name: Little Princess Japanese Spirea
Source: Timber Creek Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/30/2013

Plant Habit: Broad oval

Plant Height: 1.5 - 2.5 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Light green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is very uniform and compact.

Observation Date of Flowers: 6/23/2006

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: light yellow

Date of observation: 10/28/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea japonica **Variety:**
Cultivar: Magic Carpet **Family:** Rosaceae **Tsnum:** 02085
Common Name: Magic Carpet Spiraea
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/30/2013

Plant Habit: Round to broad oval

Plant Height: 2.5-3.5 ft.

Plant Width: 3-4.5 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Lime green with red tips

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, fall color

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Nice compact growth habit. Red tips on new growth is stunning - especially in Spring.

Observation Date of Flowers: 6/23/2006

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 70-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: dark red

Date of observation: 11/1/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea japonica **Variety:**
Cultivar: Shibori **Family:** Rosaceae **Tsnum:** 94059
Common Name: Peppermint Spirea
Source: Jewell Nursery, Inc. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 4 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Seems to be in decline.

Observation Date of Flowers: 7/8/2003

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 11/1/2005

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: Yellow, some red/purple

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea japonica **Variety:**
Cultivar: Sparkling Carpet **Family:** Rosaceae **Tsnum:** 13032
Common Name: Sparkling Carpet Spirea
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/27/2013

Plant Habit: Mounding

Plant Height: 1-1.5 ft.

Plant Width: 2 ft.

Current Seasons Growth: 6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea media **Variety:**
Cultivar: Darsnorm **Family:** Rosaceae **Tsnum:** 06066
Common Name: Snow Storm Spiraea
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/30/2013

Plant Habit: Round to broad oval

Plant Height: 3-4 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Medium green with a little bronzing

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2006.

Observation Date of Flowers:

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 20-30%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowering may increase with maturity. Flowering date lost due to software problem.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea miyabei **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 96072
Common Name: Spirea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** -

Observation Date of Plant: 9/30/2013
Plant Habit: Round
Plant Height: 3-4.5 ft.
Plant Width: 3-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in February of 2007.

Observation Date of Flowers: 6/13/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 30-40%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Very large clusters but few of them.

Fall Color or Fruit: Fall color **Date of observation:** 10/25/2005
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: yellow, red

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea nipponica *Variety:* tosaensis
Cultivar: *Family:* Rosaceae *Tsnum:* 12112
Common Name: Cheyenne Snowmound Spirea
Source: Garden & Home Show Extra *Quantity observed:* 3 *PI #:*

Observation Date of Plant: 9/30/2013

Plant Habit: Round to broad oval

Plant Height: 3-4 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 2-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend. Would probably look better if not forced into leaf for Garden and Home show last year.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea nipponcca *Variety:* tosaensis
Cultivar: *Family:* Rosaceae *Tsnum:* 12112
Common Name: Cheyenne Snowmound Spirea
Source: Garden & Home Show Extra *Quantity observed:* 3 *PI #:*

Observation Date of Plant: 10/1/2013

Plant Habit: Broad oval

Plant Height: 3 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea nipponica **Variety:** -0-
Cultivar: Halwards Silver **Family:** Rosaceae **Tsnum:** 88158
Common Name: Halwards Silver Nippon Spirea
Source: Jewell Nursery, Inc. **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/30/2013
Plant Habit: Broad oval to round
Plant Height: 3-5 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated two of three plants in February of 2007.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 11/1/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea nipponica **Variety:** -0-
Cultivar: Halward's Silver **Family:** Rosaceae **Tsnum:** 87176
Common Name: Halward's Silver Spirea
Source: Synnestvedt Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/17/2012

Plant Habit: Broad oval

Plant Height: 4 - 6 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-85%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea nipponica **Variety:** -0-
Cultivar: Snow Mound **Family:** Rosaceae **Tsnum:** 82126
Common Name: Snowmound Nippon Spirea
Source: Mount Arbor Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/30/2013

Plant Habit: Round

Plant Height: 5-6 ft.

Plant Width: 6 - 8 ft

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated two of three plants in February of 2007.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea trilobata **Variety:** -0-
Cultivar: Fairy Queen **Family:** Rosaceae **Tsnum:** 93106
Common Name: Fairy Queen White Spirea
Source: Zelenka Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 9/30/2013

Plant Habit: Broad oval

Plant Height: 3-4 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is uniform and attractive. Rejuvenated in February of 2007.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-95%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Yellow, red, orange

Date of observation: 11/1/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea trilobata **Variety:** -0-
Cultivar: Swan Lake **Family:** Rosaceae **Tsnum:** 86151
Common Name: Swan Lake Dwarf Spirea
Source: Synnestvedt Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/30/2013
Plant Habit: Round
Plant Height: 4-5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 6/25/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 75-85%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea x *Variety:* -0-
Cultivar: Snowwhite *Family:* Rosaceae *Tsnum:* 92002
Common Name: Improved Snowwhite spirea
Source: Sjulín Nurseries *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/30/2013

Plant Habit: Arching, broad oval

Plant Height: 4-6 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 2-3 ft.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in February of 2007.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 75-85%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea x **Variety:** -0-
Cultivar: Wilsonii **Family:** Rosaceae **Tsnum:** 78118
Common Name: Wilson Spirea
Source: USDA/NC-7 **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/30/2013

Plant Habit: Broad oval, round

Plant Height: 5-7 ft.

Plant Width: 7-10 ft

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in February of 2007.

Observation Date of Flowers: 6/25/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea x bumalda **Variety:**
Cultivar: Denistar **Family:** Rosaceae **Tsnum:** 10114
Common Name: Superstar Dwarf Spirea
Source: Garden and Home Show **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/30/2013

Plant Habit: Upright oval

Plant Height: 3 ft.

Plant Width: 2 ft.

Current Seasons Growth: 3-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2012. Tips are chlorotic.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea x bumalda **Variety:** -0-
Cultivar: Gold Flame **Family:** Rosaceae **Tsnum:** 82125
Common Name: Gold Flame Bumald Spirea
Source: Mount Arbor Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/30/2013

Plant Habit: Broad oval or irregular

Plant Height: 2.5 - 3 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Yellow

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Less compact than Spirea 'Gold Mound'. In decline and looks very bad.

Observation Date of Flowers: 6/25/2003

Flower Color: Dark Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: light yellow to burnt/dark red

Date of observation: 10/9/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea x bumalda **Variety:** -0-
Cultivar: Gold Mound **Family:** Rosaceae **Tsnum:** 86159
Common Name: Gold Mound Spirea
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/30/2013
Plant Habit: Broad oval
Plant Height: 2-3.5 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 4-10 in.

Foliage Color: Yellow/green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: One of two is getting crowded out by neighboring plant.

Nuisances:

Recommended: Yes

Comments on plant: Much better than S. 'Gold Flame' in terms of vigor and growth habit. Growth habit is compact and uniform.

Observation Date of Flowers: 6/25/2003

Flower Color: Light Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: light yellow to dark orange/red.

Date of observation: 11/1/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea x bumalda *Variety:* -0-
Cultivar: Gumball *Family:* Rosaceae *Tsnum:* 85151
Common Name: Gumball Bumald Spirea
Source: Synnestvedt Nursery *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 9/27/2013

Plant Habit: Upright

Plant Height: 2-3 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 3-4 in.

Foliage Color: Light green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Growth habit was very uniform in the past. Rejuvenated in February 2007. Both plants look very chlorotic, nonuniform and in decline.

Observation Date of Flowers: 6/25/2003

Flower Color: Light Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 11/1/2005

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: Yellow, some red/orange

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea x bumalda **Variety:** -0-
Cultivar: Hallward Silver **Family:** Rosaceae **Tsnum:** 82104
Common Name: Hallward Silver Bumald Spirea
Source: Cross Nurseries Inc. **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 9/30/2013

Plant Habit: Broad oval

Plant Height: 3-5 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is uniform and controlled - very attractive.

Observation Date of Flowers: 6/25/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 76-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/28/2005

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spiraea x cinerea **Variety:**
Cultivar: Grefsheim **Family:** Rosaceae **Tsnum:** 98046
Common Name: Grefsheim Spirea
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/30/2013
Plant Habit: Round becoming broad oval
Plant Height: 3-5 ft.
Plant Width: 7-9ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in February of 2007.

Observation Date of Flowers: 4/20/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: golden yellow

Date of observation: 11/1/2005

Persistence: 1-2 weeks

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Spiraea x vanhouttei **Variety:** -0-
Cultivar: Nana **Family:** Rosaceae **Tsnum:** 78210
Common Name: Compact Vanhoutte Spirea
Source: USDA/NC-7 **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/30/2013

Plant Habit: Round to broad oval

Plant Height: 3-5 ft.

Plant Width: 4-6 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Moderate chlorosis on 20% of plant

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is very compact and controlled. Rejuvenated in February of 2007.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Spirea x media **Variety:**
Cultivar: Darsnorm **Family:** Rosaceae **Tsnum:** 05094
Common Name: Snow Storm Spirea
Source: Proven Winners **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/30/2013

Plant Habit: Broad oval

Plant Height: 3-4 ft.

Plant Width: 4-6 ft

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Staphylea bumalda **Variety:** -0-
Cultivar: -0- **Family:** Staphyleaceae **Tsnum:** 93122
Common Name: Bladdernut
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **PI #:** 545683

Observation Date of Plant: 9/26/2012

Plant Habit: Upright, irregular

Plant Height: 4-6 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 3-4 ft.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Looks like it needs some pruning to remove old dieback from past winters. May require a very moist site but had a lot of vigorous new growth this year but also has moderate chlorosis.

Observation Date of Flowers: 4/24/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-95%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Symphoricarpos chenaultii *Variety:*
Cultivar: Blade of Sun *Family:* Caprifoliaceae *Tsnum:* 09059
Common Name: Blade of Sun Chenault Coralberry
Source: The Conard Pyle Co. *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 10/1/2012

Plant Habit: Young, undefined

Plant Height: 12-18 in.

Plant Width: 2-3 ft.

Current Seasons Growth: 6-12 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted 2009. Lacks vigor and size - slow to establish.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Symphoricarpos dorenbossi **Variety:**
Cultivar: Komcan **Family:** Caprifoliaceae **Tsnum:** 13033
Common Name: Candy Coralberry
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Symphoricarpos x doorenbosii **Variety:**
Cultivar: 'Kordes' **Family:** Caprifoliaceae **Tsnum:** 05108
Common Name: Amethyst™ Coral Berry
Source: Proven Winners **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/1/2012

Plant Habit: Broad oval

Plant Height: 2-3 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 10-18 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2007. Fruit is exceptionally attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Symphoricarpos x dorrenbossii **Variety:**
Cultivar: White Hedge **Family:** Caprifoliaceae **Tsnum:** 98056
Common Name: White Hedge Snowberry
Source: Sjulín Nurseries **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 9/26/2012

Plant Habit: Arching

Plant Height: 3 - 5 ft.

Plant Width: 5-9 ft.

Current Seasons Growth: 2-4 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: The one in full sun is significantly larger than the other two plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa **Variety:**
Cultivar: Bailbelle **Family:** Oleaceae **Tsnum:** 03127
Common Name: Tinkerbelle Lilac
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 10-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Plant would look better and grow wider if it wasn't crowded by nearby plants.

Observation Date of Flowers: 5/16/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 75-85%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers are very tiny and delicate but still very showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa **Variety:**
Cultivar: Baillina **Family:** Oleaceae **Tsnum:** 08057
Common Name: Thumbelina Lilac
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 4-5 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 5-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa *Variety:*
Cultivar: Bailsugar *Family:* Oleaceae *Tsnum:* 08056
Common Name: Sugar Plum Fairy Lilac
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/9/2012

Plant Habit: Round

Plant Height: 2-4 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2010 and slow to regain vigor.

Observation Date of Flowers: 4/30/2012

Flower Color: Light pink, dark buds

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers are very tiny and delicate but still very showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa **Variety:**
Cultivar: Prince Charming **Family:** Oleaceae **Tsnum:** 03032
Common Name: Prince Charming Lilac
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Round

Plant Height: 4-7 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Was getting crowded by nearby plants but has more room now since 2010.

Observation Date of Flowers: 5/18/2006

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers are very tiny and delicate but still very showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa meyeri **Variety:**
Cultivar: Palibin **Family:** Oleaceae **Tsnum:** 08050
Common Name: Dwarf Korean Lilac Tree
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012
Plant Habit: Broad oval
Plant Height: 5-6 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 1-2 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010 and slow to regain vigor.

Observation Date of Flowers: 4/25/2012
Flower Color: Lavender
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 80-90%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Impressive show for being recently planted.

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa oblata **Variety:**
Cultivar: Cheyenne **Family:** Oleaceae **Tsnum:** 94060
Common Name: Cheyenne Lilac
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012
Plant Habit: Broad oval to round
Plant Height: 7-9 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-10 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 5/2/2006
Flower Color: Lavender
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 70-80%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Thinner, more delicate in appearance.

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Mostly dark red and yellow but also some

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa pekinensis **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 81111
Common Name: Peking Lilac
Source: Valley Nursery **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval becoming round
Plant Height: 20-30 ft.
Plant Width: 25-30 ft
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This is a good looking small tree with very attractive bark for winter interest.

Observation Date of Flowers: 6/2/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa pekinensis **Variety:**
Cultivar: DTR 124 **Family:** Oleaceae **Tsnum:** 99008
Common Name: Summer Charm Tree Lilac
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/17/2012
Plant Habit: Upright oval becoming round
Plant Height: 10-14 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Lacks a little vigor but may be related to inadequate irrigation system in that particular area.

Observation Date of Flowers: 6/1/2006
Flower Color: Cream/white
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 60-80%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Fragrant but not as good as common lilac.

Fall Color or Fruit: Fall color **Date of observation:** 10/9/2008
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Yellow

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa pekinensis **Variety:**
Cultivar: Morton **Family:** Oleaceae **Tsnum:** 08051
Common Name: China Snow Pekin Lilac
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 7-9 ft.

Plant Width: 6-8 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2010. Top four feet of central leader is lodging.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa pekinensis **Variety:**
Cultivar: SunDak **Family:** Oleaceae **Tsnum:** 08052
Common Name: Copper Curls Pekin Lilac
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 3-4 ft

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa pekinensis **Variety:**
Cultivar: Zhang Zhiming **Family:** Oleaceae **Tsnum:** 07054
Common Name: Beijing Gold Lilac
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Round

Plant Height: 5-7 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Was in lathhouse too long.

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Syringa reflexa x villosa **Variety:** -0-
Cultivar: James MacFarlane **Family:** Oleaceae **Tsnum:** 86105
Common Name: James MacFarlane Lilac
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval becoming round
Plant Height: 6 - 9 ft.
Plant Width: 6 - 10 ft
Current Seasons Growth: 10-24 in.

Foliage Color: Light to medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two plants rejuvenated in 2003 and returned with good vigor.

Observation Date of Flowers: 5/26/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Long throat on flowers creates a more full or bushy appearance even before the flowers are fully open. Very unique and showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa reticulata **Variety:**
Cultivar: Bailnce **Family:** Oleaceae **Tsnum:** 10029
Common Name: First Editions Snowdance Lilac
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 5-7 ft.

Plant Width: 3-6 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Syringa reticulata *Variety:*
Cultivar: Golden Eclipse *Family:* Oleaceae *Tsnum:* 08053
Common Name: Golden Eclipse Lilac
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa reticulata **Variety:**
Cultivar: Golden Eclipse **Family:** Oleaceae **Tsnum:** 10028
Common Name: Golden Eclipse Lilac
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Syringa reticulata *Variety:* -0-
Cultivar: Ivory Silk *Family:* Oleaceae *Tsnum:* 89166
Common Name: Ivory Silk Japanese Lilac
Source: Schichtel's Nursery *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: One of three trees has an old canker wound - tree is smaller and wound is slowly closing.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Fruit Present:
Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair
Fall Color: Pale yellow

Date of observation: 10/6/2008
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa reticulata **Variety:** -0-
Cultivar: Japonica **Family:** Oleaceae **Tsnum:** 77011
Common Name: Japanese Tree Lilac
Source: Unknown **Quantity observed:** 4 **PI #:** -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval becoming round
Plant Height: 10-15 ft.
Plant Width: 10-15 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 6/9/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: light yellow

Date of observation: 10/10/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa reticulata **Variety:**
Cultivar: Summer Snow **Family:** Oleaceae **Tsnum:** 98077
Common Name: Summer Snow Tree Lilac
Source: Schichtel's Nursery **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 11-18 ft.

Plant Width: 9-14 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of three plants has prolific suckers and less vigor but can not see any visual explanations that would cause the suckering.

Observation Date of Flowers: 6/7/2011

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-65%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: light yellow

Date of observation: 10/21/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa reticulata **Variety:**
Cultivar: Willamette **Family:** Oleaceae **Tsnum:** 01018
Common Name: Ivory Pillar Tree Lilac
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/15/2012

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 2-4 ft.

Current Seasons Growth: 2-3 ft.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Inadequate irrigation system.

Nuisances: Moderate suckering

Recommended: Yes

Comments on plant: Planted in arboretum in 2005. Health would improve with a better irrigation system. New growth is mainly result of water sprouts along trunk - most of tree looks healthy but not much growth.

Observation Date of Flowers: 6/2/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 25-40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Should have more flowers as it becomes further established - planted in arboretum in 2005.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa rothomagensis **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 85179
Common Name: Chinese Lilac
Source: Country Lane Wholesale Nur **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Round to broad oval

Plant Height: 6 - 9 ft.

Plant Width: 10-14 ft

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Insect Pests: Scale

Pest Severity: Severe injury

Plant Disease: Mildew

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Declining vigor due to scale.

Observation Date of Flowers: 4/24/2012

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Many flowers despite weak plant vigor.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa vulgaris **Variety:**
Cultivar: Adelaide Dunbar **Family:** Oleaceae **Tsnum:** 00051
Common Name: Adelaide Dunbar Lilac
Source: Synnestvedt Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair to poor

Insect Pests: Scale

Pest Severity: Severe injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in arboretum in 2005. Both in decline and one is nearly dead.

Observation Date of Flowers: 4/24/2012

Flower Color: Dar purple with shades of pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 45-55%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Would probably look better in a site with better irrigation.

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Purple/bonze

Date of observation: 10/28/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa vulgaris **Variety:**
Cultivar: Albert F. Holden **Family:** Oleaceae **Tsnum:** 08058
Common Name: Albert F. Holden Lilac
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Round

Plant Height: 5-6 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010.

Observation Date of Flowers: 4/25/2012

Flower Color: Dark lavender

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 40.00%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Starting second year in arboretum.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa vulgaris *Variety:* -0-
Cultivar: Charles *Family:* Oleaceae *Tsnum:* 88047
Common Name: Charles Common Lilac
Source: Forrest Keeling Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval becoming round
Plant Height: 8-10 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 2-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Low vigor and poor growth habit possibly due to snow damage October 2011.

Observation Date of Flowers: 4/18/2012

Flower Color: Dark Purple

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 75-85%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Very showy this year.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa vulgaris **Variety:**
Cultivar: Dappled Dawn **Family:** Oleaceae **Tsnum:** 08059
Common Name: Dappled Dawn Lilac
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 4-5 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 2-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Was in lathhouse too long and developed leggy growth habit and will take time t

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 - too soon to recommend.

Observation Date of Flowers: 4/18/2012

Flower Color: Light lavender

Flower Type: Cluster

Flower Effect: Fair to good

% of Flower Coverage: 40.00%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Only in arboretum one full season so should get more flowers as it gains size.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa vulgaris **Variety:** -0-
Cultivar: Ludwig **Family:** Oleaceae **Tsnum:** 88048
Common Name: Ludwig Common Lilac
Source: Forrest Keeling Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Broad oval to round

Plant Height: 8-12 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests: Scale

Pest Severity: Moderate injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two plants is crowded by nearby plants and in decline.

Observation Date of Flowers: 4/24/2012

Flower Color: Lavender with a shade of pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa vulgaris *Variety:*
Cultivar: Monore *Family:* Oleaceae *Tsnum:* 08034
Common Name: Blue Skies Lilac
Source: Monrovia Growers *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 4-5 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2010. Cause of low vigor is unknown.

Observation Date of Flowers: 4/18/2012

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Poor to fair

% of Flower Coverage: 10-15%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Having trouble getting established.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa vulgaris *Variety:* -0-
Cultivar: PMK 1301 *Family:* Oleaceae *Tsnum:* 78025
Common Name: PMK 1301 Common Lilac
Source: Forrest Keeling Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Broad oval to round
Plant Height: 7-10 ft.
Plant Width: 12-15 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Canopy looks a little thin.

Observation Date of Flowers: 5/11/2006

Flower Color: Light lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa vulgaris **Variety:** -0-
Cultivar: President Lincoln **Family:** Oleaceae **Tsnum:** 78121
Common Name: President Lincoln Common Lilac
Source: USDA/NC-7 **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 7-10 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably look better if not crowded by nearby plants.

Observation Date of Flowers: 4/24/2012

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Fair to good

% of Flower Coverage: 30-40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Parts of plant in full sun are blooming very well - needs space.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa vulgaris **Variety:**
Cultivar: Pride of Moscow **Family:** Oleaceae **Tsnum:** 94096
Common Name: Pride of Moscow Lilac
Source: Cross Nurseries Inc. **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval

Plant Height: 8-12 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Plants have never become very bushy - still look a little leggy.

Observation Date of Flowers: 4/24/2012

Flower Color: Light pink fading to white

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Would probably look better if plant was rejuvenated.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa vulgaris *Variety:*
Cultivar: Sensation *Family:* Oleaceae *Tsnum:* 09009
Common Name: Sensation Lilac
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa vulgaris *Variety:*
Cultivar: Yankee Doodle *Family:* Oleaceae *Tsnum:* 09054
Common Name: Yankee Doodle French Hybrid Lilac
Source: Carlton Plants *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa wolfii *Variety:* -0-
Cultivar: -0- *Family:* Oleaceae *Tsnum:* 86072
Common Name: Lilac
Source: Washington Park Arboretum *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 6 - 8 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two plants is crowded by nearby plants and only looks fair. Second plant has a nice, compact and uniform growth habit.

Observation Date of Flowers: 5/26/2006
Flower Color: Light Lavender flowers, purple buds
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 70-85%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Tiny flowers with delicate appearance - very showy.

Fall Color or Fruit: Fall color *Date of observation:* 9/23/2004
Aesthetics: Good *Persistence:* 1-2 weeks
Fall Color: purple, dark red

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa x
Cultivar: 85-1
Common Name: Tinkerbelle Lilac
Source: Bailey Nurseries

Family: Oleaceae
Quantity observed: 1

Variety:
Tsnum: 98117
PI #:

Observation Date of Plant: 10/9/2012
Plant Habit: Undefined
Plant Height: 1-3 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Was rejuvenated in 2010 and slow to regain vigor.

Observation Date of Flowers: 5/11/2006
Flower Color: Pink
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 80-100%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers: Tiny flowers with delicate appearance.

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa x
Cultivar: Agnes Smith *Family:* Oleaceae *Variety:*
Common Name: Agnes Smith Lilac *Tsnum:* 94111
Source: Bailey Nurseries *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 10/9/2012

Plant Habit: Round to upright oval

Plant Height: 7-9 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has a nice dense, uniform growth habit.

Observation Date of Flowers: 5/26/2006

Flower Color: White with a hint of pink as a bud.

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 75-85%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa x *Variety:* -0-
Cultivar: Alphonse Lavelle *Family:* Oleaceae *Tsnum:* 87185
Common Name: Alphonse Lavelle Lilac
Source: Mount Arbor Nursery *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2012

Plant Habit: Round

Plant Height: 9-12 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 6 - 10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/24/2012

Flower Color: Light lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa x *Variety:* -0-
Cultivar: Hugo de Vries *Family:* Oleaceae *Tsnum:* 93108
Common Name: Hugo De Vries Lilac
Source: Mount Arbor Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/17/2012

Plant Habit: Upright oval

Plant Height: 6 - 8 ft.

Plant Width: 8- 12 ft

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably be larger if not crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa x chinensis **Variety:** -0-
Cultivar: `Perier' **Family:** Oleaceae **Tsnum:** 87183
Common Name: Perier Chinese Lilac
Source: Mount Arbor Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 6-9 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Insect Pests: Scale
Pest Severity: Severe on one plant
Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: One of two was rejuvenated in 2011 and slow to come back.

Observation Date of Flowers: 5/9/2006
Flower Color: Light lavender
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 30-40%
Bloom Stage: Flowers open
Fruit Present:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa x chinensis **Variety:**
Cultivar: Lilac Sunday **Family:** Oleaceae **Tsnum:** 08060
Common Name: Lilac Sunday Lilac
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Round

Plant Height: 5-6 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010.

Observation Date of Flowers: 4/19/2012

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa x persica

Variety:

Cultivar:

Family: Oleaceae

Tsnum: 08127

Common Name: Persian Lilac

Source: Greenleaf Nursery Co.

Quantity observed: 1

PI #:

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Syringa x prestoniae **Variety:**
Cultivar: Donald Wyman **Family:** Oleaceae **Tsnum:** 08063
Common Name: Donald Wyman Lilac
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: upright oval

Plant Height: 4-5 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2010 and slow to regain vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Taxodium distichum *Variety:*
Cultivar: Cascade Falls *Family:* Cupressaceae *Tsnum:* 13073
Common Name: Cascade Falls Bald Cypress
Source: Greenleaf Nursery Co. *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Taxodium distichum *Variety:*
Cultivar: JFS-SGPN *Family:* Cupressaceae *Tsnum:* 11019
Common Name: Green Whisper Bald Cypress
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 12/12/2013

Plant Habit:

Plant Height:

Plant Width:

Current Seasons Growth:

Foliage Color:

Bark Characteristics:

Plant Summer Texture:

Aesthetic Plant Quality:

Landscape Uses:

Overall Plant Health:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended:

Comments on plant: Planted in 2013 but not enough time to be evaluated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Taxus x media **Variety:** -0-
Cultivar: Dark Green Spreader **Family:** Taxaceae **Tsnum:** 87109
Common Name: Dark Green Spreader Yew
Source: Zelenka Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Irregular

Plant Height: 5 - 6.5 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Needs pruning for most landscapes otherwise it looks leggy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Taxus x media *Variety:* -0-
Cultivar: Tautoni *Family:* Taxaceae *Tsnum:* 87110
Common Name: Tautoni Anglojap Yew
Source: Zelenka Nursery *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 11/9/2012

Plant Habit: Spreading

Plant Height: 2 - 3 ft.

Plant Width: 4 - 6 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Would probably look better if not in nearly full shade.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Thuja occidentalis **Variety:**
Cultivar: BailJohn **Family:** Cupressaceae **Tsnum:** 08047
Common Name: Technito Arborvitae
Source: Bailey Nurseries **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/1/2013

Plant Habit: Upright oval

Plant Height: 4-6 ft.

Plant Width: 3-4.5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Blue green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. One was damaged by snow load in November 2009 but looks fairly normal now. Has a unique foliage color.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Thuja occidentalis *Variety:* -0-
Cultivar: Emerald Green *Family:* Cupressaceae *Tsnum:* 83005
Common Name: Emerald Green Eastern Arborvitae
Source: Carlton Plants *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Columnar

Plant Height: 14-19 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, screen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Both seem to have an unusual amount of browning foliage due to unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Thuja occidentalis **Variety:** -0-
Cultivar: Hetzii Midget **Family:** Cupressaceae **Tsnum:** 81209
Common Name: Hetz Midget Eastern Arborvitae
Source: Hines Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/1/2013
Plant Habit: Round to upright oval
Plant Height: 4-6 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 3 - 5 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has very compact, dense growth. One of two getting crowded by neighboring plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Thuja occidentalis **Variety:** -0-
Cultivar: Little Champ **Family:** Cupressaceae **Tsnum:** 91128
Common Name: Little Champ GLOBE Arborvitae
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Round

Plant Height: 6-8 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6 - 10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Pendulous branch tips. One of three was significantly damaged by snow load in November 2009 and was removed.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:** -0-
Cultivar: Little Giant **Family:** Cupressaceae **Tsnum:** 87162
Common Name: Little Giant Eastern Arborvitae
Source: Oregon Garden Products **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/3/2013

Plant Habit: Broad oval

Plant Height: 2 - 3 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 2-5 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nearby plants are crowding it and affecting the growth habit making it more broad and less upright.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Thuja occidentalis *Variety:* -0-
Cultivar: Nigra *Family:* Cupressaceae *Tsnum:* 80062
Common Name: Dark Green Eastern Arborvitae
Source: Greenleaf Nursery Co. *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/1/2013
Plant Habit: Pyramidal becoming upright oval
Plant Height: 14-18 ft.
Plant Width: 15 -20 ft
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is a little more open.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Thuja occidentalis *Variety:*
Cultivar: Smaragd *Family:* Cupressaceae *Tsnum:* 12077
Common Name: Emerald Green Arborvitae
Source: Dr. Klett *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 11/12/2012

Plant Habit: Columnar

Plant Height: 5-6 ft.

Plant Width: 1-3 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Thuja occidentalis *Variety:* -0-
Cultivar: Smaragd *Family:* Cupressaceae *Tsnum:* 81208
Common Name: Smaragd Eastern Arborvitae
Source: Hines Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Columnar

Plant Height: 15-20 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Some branches deformed by snow but not severe.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Thuja occidentalis **Variety:**
Cultivar: Starkies Gold **Family:** Cupressaceae **Tsnum:** 09060
Common Name: Starkies Gold Arborvitae
Source: The Conard Pyle Co. **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/1/2013

Plant Habit: Upright oval

Plant Height: 3-4 ft.

Plant Width: 2 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Thuja occidentalis **Variety:** -0-
Cultivar: Woodwardi **Family:** Cupressaceae **Tsnum:** 80065
Common Name: Woodward Eastern Arborvitae
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Broad oval

Plant Height: 7-9 ft.

Plant Width: 14-18 ft

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One plant had severe damage from snow in 2003 and was removed. Remaining plant looks good except where it was shaded out by neighbor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Thuja orientalis *Variety:* -0-
Cultivar: -0- *Family:* Cupressaceae *Tsnum:* 88117
Common Name: Oriental Arborvitae
Source: USDA/NC-7, Ames, IA *Quantity observed:* 2 *PI #:* PI491521

Observation Date of Plant: 10/1/2013

Plant Habit: Pyramidal

Plant Height: 14-20 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 4 - 8 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Poor, open growth habit. Weak canopy - thin and not very dense.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Thuja orientalis **Variety:** -0-
Cultivar: Aurea Nana **Family:** Cupressaceae **Tsnum:** 86147
Common Name: Berckman's Golden Arborvitae
Source: Greenleaf Nursery Co. **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Upright oval

Plant Height: 10-15 ft.

Plant Width: 7-9 ft.

Current Seasons Growth: 5-8 in.

Foliage Color: Medium green, bright

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Attractive shades of yellow on new growth - appears very vibrant and vigorous.
One of three trees has moderate damage from snow but rest look good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Thuja orientalis **Variety:** -0-
Cultivar: Excelsa **Family:** Cupressaceae **Tsnum:** 86148
Common Name: Upright Green Arborvitae
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Pyramidal

Plant Height: 8-12 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor would be better if it was in more sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Thuja plicata *Variety:* -0-
Cultivar: -0- *Family:* Cupressaceae *Tsnum:* 78123
Common Name: Western Red Cedar
Source: Unknown *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/1/2013

Plant Habit: Columnar

Plant Height: 15 - 20 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Badly deformed by snow load during the Spring of 2003 and suffered some more in November 2009. Looks fairly good in 2013 except for a few lumps in growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia americana **Variety:**
Cultivar: Boulevard **Family:** Tiliaceae **Tsnum:** 94053
Common Name: Boulevard Linden
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/9/2013
Plant Habit: Narrow pyramidal or upright oval
Plant Height: 15-20 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction. One of two has a more dominant central leader and is more narrow in habit. Both have low vigor but look good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia americana **Variety:**
Cultivar: McSentry **Family:** Tiliaceae **Tsnum:** 07055
Common Name: American Sentry Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2013

Plant Habit: Pyramidal

Plant Height: 8-10 ft.

Plant Width: 7-9 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Tilia americana **Variety:**
Cultivar: Redmond **Family:** Tiliaceae **Tsnum:** 03118
Common Name: Redmond Linden
Source: Colorado Garden & Home Sh **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/9/2013
Plant Habit: Irregular to pyramidal
Plant Height: 10-16 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 4-10 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2003. Irregular growth due to being in greenhouse for Garden and Home Show. One of two trees still regaining vigor and form but second looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Tilia americana **Variety:**
Cultivar: Sentry **Family:** Tiliaceae **Tsnum:** 05010
Common Name: Sentry Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/30/2013
Plant Habit: Pyramidal
Plant Height: 8-12 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One planted in 2009 and vigor is still poor even though it still looks pretty good.
Another tree planted in 2011 and has difficulty in getting established - probably left in lathhouse too long which reduced vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia americana *Variety:* -0-
Cultivar: Skinner's Fastigiata *Family:* Tiliaceae *Tsnum:* 81109
Common Name: Skinner's Fastigiata American Linden
Source: Valley Nursery *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Pyramidal to upright oval

Plant Height: 35-45 ft.

Plant Width: 45-45 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Misshapen due to storm damage.

Recommended: Yes

Comments on plant: Doesn't appear very fastigiata in growth habit. One of two trees is at edge of arboretum and looks fair with some branch dieback probably due to inadequate irrigation.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: #18 **Family:** Tiliaceae **Tsnum:** 85144
Common Name: #18 Littleleaf Linden
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Pyramidal to upright oval
Plant Height: 47-55 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata *Variety:* -0-
Cultivar: -0- *Family:* Tiliaceae *Tsnum:* 81150
Common Name: Littleleaf Linden
Source: American Nursery Product/Mi *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Pyramidal becoming upright oval
Plant Height: 50-60 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has multiple codominant stems. Would probably be wider if not crowded by neighboring trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: Chancellor **Family:** Tiliaceae **Tsnum:** 81131
Common Name: Chancellor Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Pyramidal

Plant Height: 25-32 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very attractive, uniform growth habit and dense canopy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 10/21/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata **Variety:**
Cultivar: Corzam **Family:** Tiliaceae **Tsnum:** 94034
Common Name: Corinthian Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/9/2013

Plant Habit: Upright oval

Plant Height: 12-17 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 2-5 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice dense habit. Growth habit is less pyramidal than most Tilia cordata. Vigor is a low and central leader foliage appears thin and possibly in decline. They probably need better irrigation system than drip.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: De Groot **Family:** Tiliaceae **Tsnum:** 88103
Common Name: De Groot Littleleaf Linden
Source: Carlton Plants **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Upright oval to pyramidal
Plant Height: 30-40 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, Specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has multiple codominant stems. Would probably be wider if not crowded by neighboring trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/21/2003
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: bright yellow, green

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata *Variety:* -0-
Cultivar: Fairview *Family:* Tiliaceae *Tsnum:* 84143
Common Name: Fairview Littleleaf Linden
Source: A. McGill & Son Nursery *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Pyramidal

Plant Height: 30-40 ft.

Plant Width: 35-45 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering one of two trees

Recommended: Yes

Comments on plant: Trunks on both trees are unusually curved - not straight like most Tilia. Not sure of the cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata **Variety:**
Cultivar: Glenleven **Family:** Tiliaceae **Tsnum:** 94035
Common Name: Glenleven Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/9/2013
Plant Habit: Pyramidal
Plant Height: 20-27 ft.
Plant Width: 10-15 ft
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Seems to have better vigor than neighboring Tilias.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Dark yellow

Date of observation: 9/23/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata **Variety:**
Cultivar: Globe **Family:** Tiliaceae **Tsnum:** 96136
Common Name: Globe Linden
Source: Schichtel's Nursery **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/9/2013

Plant Habit: Round

Plant Height: 10-15 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair to good

Insect Pests: Galls on foliage

Pest Severity: Minor injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One moved in 2003. Both sucker a lot and have adventitious budding along rootstock trunk which requires pruning. Never has been very vigorous.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: June Bride **Family:** Tiliaceae **Tsnum:** 83140
Common Name: June Bride Littleleaf Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/7/2013

Plant Habit: Pyramidal

Plant Height: 45-55 ft.

Plant Width: 40-50 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice growth habit. Very uniform and strong central leader. May be wider if not crowded for space.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata *Variety:* -0-
Cultivar: Norlim *Family:* Tiliaceae *Tsnum:* 91136
Common Name: Norlim Littleleaf Linden
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Pyramidal

Plant Height: 45-55 ft.

Plant Width: 30-35 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has a strong central leader without any codominant stems. Would probably be wider if not crowded by neighboring trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata **Variety:**
Cultivar: Olympic **Family:** Tiliaceae **Tsnum:** 94036
Common Name: Olympic Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/9/2013

Plant Habit: Pyramidal

Plant Height: 15 - 20 ft.

Plant Width: 10 - 20 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering on one of two trees.

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Low vigor leading to signs of decline on central leader. Would probably look better in a landscape with normal irrigation instead of drip.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/2/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata *Variety:* -0-
Cultivar: Prestige *Family:* Tiliaceae *Tsnum:* 93043
Common Name: Prestige Linden
Source: A. McGill & Son Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Pyramidal

Plant Height: 20-27 ft.

Plant Width: 20-28 ft

Current Seasons Growth: 6-12 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/21/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata *Variety:* -0-
Cultivar: Prestige *Family:* Tiliaceae *Tsnum:* 87182
Common Name: Prestige Littleleaf Linden
Source: Discover-Tree Research *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Pyramidal

Plant Height: 30-40 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: Ronald **Family:** Tiliaceae **Tsnum:** 92111
Common Name: Norlin Linden Crabapple
Source: Bailey Nurseries **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/9/2012
Plant Habit: Pyramidal becoming upright oval
Plant Height: 15 - 20 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 1-3 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to poor

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Vigor is poor for unknown reason but still looks okay although the canopy seems a little thin.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 9/23/2009
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: yellow, burnt orange

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata *Variety:* -0-
Cultivar: Salem *Family:* Tiliaceae *Tsnum:* 88086
Common Name: Salem Littleleaf Linden
Source: Handy Nursery Co. *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 10/9/2013

Plant Habit: Pyramidal

Plant Height: 20-30 ft.

Plant Width: 28-40 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: bright yellow

Date of observation: 10/16/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata *Variety:*
Cultivar: Unique *Family:* Tiliaceae *Tsnum:* 11027
Common Name: Unique Littleleaf Linden
Source: Carlton Plants *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 10/7/2013

Plant Habit: Pyramidal

Plant Height: 6-7 ft.

Plant Width: 6-7 ft.

Current Seasons Growth: 6-12 in

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, residential street

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2012 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia cordata **Variety:**
Cultivar: Unizam **Family:** Tiliaceae **Tsnum:** 08018
Common Name: Unique Linden
Source: Femrite Nursery Company **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/6/2013

Plant Habit: Upright oval

Plant Height: 9-12 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. No suckers. Looks very uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia herterophylla *Variety:*
Cultivar: Contintental Appeal *Family:* Tiliaceae *Tsnum:* 00040
Common Name: Continental Appeal Linden
Source: A. McGill & Son Nursery *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 8/8/2013
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 8-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering

Recommended: Yes

Comments on plant: Planted in 2003. Foliage is relatively large.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair
Fall Color: yellow

Date of observation: 9/23/2004
Persistence: 2-4 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia heterophylla **Variety:**
Cultivar: Continental Appeal **Family:** Tiliaceae **Tsnum:** 07056
Common Name: Continental Appeal Beetree Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Vigor is still a little low.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia mongolica **Variety:**
Cultivar: Harvest Gold **Family:** Tiliaceae **Tsnum:** 99014
Common Name: Harvest Gold Linden
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/9/2013
Plant Habit: Pyramidal to upright oval
Plant Height: 10-14 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Some discoloration on trunk may indicate a canker which would account for low vigor. Second tree is very attractive with dark leaves and a uniform, compact growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair to good
Fall Color: Yellow

Date of observation: 9/29/2009
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia tomentosa **Variety:** -0-
Cultivar: Sterling Silver **Family:** Tiliaceae **Tsnum:** 87107
Common Name: Sterling Silver Silver Linden
Source: Pacific Coast Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Pyramidal becoming upright oval
Plant Height: 20-30 ft.
Plant Width: 20-27 ft
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia x euchlora *Variety:* -0-
Cultivar: Redmond *Family:* Tiliaceae *Tsnum:* 81132
Common Name: Redmond Crimean Linden
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Pyramidal becoming upright oval
Plant Height: 40-50 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Tilia x europaea *Variety:* -0-
Cultivar: -0- *Family:* Tiliaceae *Tsnum:* 88085
Common Name: European Linden
Source: Handy Nursery Co. *Quantity observed:* 2 *PI #:* -0-

Observation Date of Plant: 10/9/2013
Plant Habit: Pyramidal to upright oval
Plant Height: 30-42 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moderate suckering on one tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ulmus **Variety:**
Cultivar: Accolade **Family:** Ulmaceae **Tsnum:** 98044
Common Name: Accolade Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/17/2012

Plant Habit: Upright oval

Plant Height: 20-28 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 20-40 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Top 8-10 feet of one tree has died from possible disease problem in 2010 but the rest looks fine in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: bright yellow

Date of observation: 9/30/2012

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ulmus **Variety:**
Cultivar: Morton Red Tip **Family:** Ulmaceae **Tsnum:** 98045
Common Name: Danada Charm Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/17/2012

Plant Habit: Upright oval

Plant Height: 28-35 ft.

Plant Width: 25-30 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests: Scale, chewing insects and leafminer

Pest Severity: Minor injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Branches have a fair amount of sooty mold from scale. Not one of the better varieties but looks okay.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 9/30/2012

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ulmus carpinifolia *Variety:* -0-
Cultivar: -0- *Family:* Ulmaceae *Tsnum:* 78211
Common Name: Chinese Elm
Source: Unknown *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/25/2012

Plant Habit: Upright oval

Plant Height: 25-35 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, medium sized shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This plant has a relatively smaller leaf and growth habit. Very attractive and clean foliage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ulmus carpiniifolia x parvifolia *Variety:*
Cultivar: Triumph *Family:* Ulmaceae *Tsnum:* 07039
Common Name: Triumph Elm
Source: A. McGill & Son Nursery *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 8/9/2013

Plant Habit: Round

Plant Height: 8-14 ft.

Plant Width: 8-14 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, medium sized shade tree

Overall Plant Health: Good

Insect Pests: Galls

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. 20-15% of canopy has large infestation of galls on the foliage but remainder of tree is clean.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ulmus davidiana **Variety:**
Cultivar: **Family:** Ulmaceae **Tsnum:** 96148
Common Name: David Elm
Source: Morton Arboretum from Harbi **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/17/2012

Plant Habit: Round

Plant Height: 20-25 ft.

Plant Width: 25-30 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, medium/large shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has significantly less insect damage than some others in collection. Very clean overall.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 9/30/2012

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ulmus glabra **Variety:**
Cultivar: Camperdownii **Family:** Ulmaceae **Tsnum:** 07069
Common Name: Camperdown Elm
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 8/9/2013

Plant Habit: Weeping

Plant Height: 5-7 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 0-1 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen

Overall Plant Health: Poor

Insect Pests: Scale, aphids

Pest Severity: Severe injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2008. Both trees have a bad problem with sooty mold and low vigor due to insects and are almost dead.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Ulmus hybrid *Variety:*
Cultivar: *Family:* Ulmaceae *Tsnum:* 01014
Common Name: Elm
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:* S/B destro

Observation Date of Plant: 10/9/2012
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair
Insect Pests: Chewing insects
Pest Severity: Minor injury
Plant Disease: Canker on trunk
Disease Severity: Moderate injury
Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Has included bark in two major branch unions. No sign of scale. Attractive growth habit. Looks good except for fairly large canker on trunk.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ulmus parvifolia **Variety:**
Cultivar: Bosque **Family:** Ulmaceae **Tsnum:** 09004
Common Name: Bosque Elm
Source: Femrite Nursery Company **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/20/2012

Plant Habit: Upright oval

Plant Height: 5-7 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, medium sized shade tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011 too soon to recommend. Central leader died back about 2 feet a couple years ago but seems to be okay now.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ulmus parvifolia **Variety:**
Cultivar: Dynasty **Family:** Ulmaceae **Tsnum:** 02041
Common Name: Dynasty Elm
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** 486339

Observation Date of Plant: 10/9/2012

Plant Habit: Vase or upright oval

Plant Height: 7-9 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 4-8 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair

Insect Pests: Scale

Pest Severity: Moderate injury - only on one tree

Plant Disease: Sooty mold

Disease Severity: Severe, aesthetics affected

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: One of two looks much better than the second tree. Planted in arboretum in 2004.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Ulmus propinqua **Variety:**
Cultivar: JFS-Bieberich **Family:** Ulmaceae **Tsnum:** 08008
Common Name: Emerald Sunshine Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/20/2012
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 4-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2011 too soon to recommend. 2012 was very hot and dry and was difficult to gain vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ulmus wilsoniana **Variety:**
Cultivar: Prospector **Family:** Ulmaceae **Tsnum:** 94037
Common Name: Prospector Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 9/20/2012

Plant Habit: Upright oval to round

Plant Height: 22-28 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 18-36 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair

Insect Pests: Scale

Pest Severity: Moderate injury

Plant Disease: Sooty mold

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Central leader leaning - possibly due to snow damage last October that destroyed sister tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ulmus x **Variety:**
Cultivar: Morton Glossy **Family:** Ulmaceae **Tsnum:** 00166
Common Name: Triumph Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval, round

Plant Height: 10-15 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests: Chewing insects

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Suffered some storm damage October 2011 which decreased overall aesthetics.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ulmus x **Variety:**
Cultivar: Morton Plainsman **Family:** Ulmaceae **Tsnum:** 00167
Common Name: Vanguard Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/20/2012

Plant Habit: Upright oval to round

Plant Height: 15-25 ft.

Plant Width: 12-28 ft.

Current Seasons Growth: 12-36 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests: Scale

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit isn't the best - lacks a central leader on largest tree. Second tree is only about 10' tall but looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair to poor

Fall Color: Pale yellow

Date of observation: 10/9/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ulmus x **Variety:**
Cultivar: Morton Stalwart **Family:** Ulmaceae **Tsnum:** 00164
Common Name: Commendation Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/17/2012

Plant Habit: Upright oval to irregular

Plant Height: 15-25 ft.

Plant Width: 10-25 ft.

Current Seasons Growth: 6-14 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests: Leaf miner

Pest Severity: Slight injury

Plant Disease: Wet wood one of two trees

Disease Severity: Minor injury

Cultural Problems: Possible restrictive root on one side of larger tree

Nuisances:

Recommended: Yes

Comments on plant: Branching habit is fairly open on larger tree. Second tree has much less vigor but still looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Light yellow

Date of observation: 9/30/2012

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ulmus x **Variety:**
Cultivar: Patriot **Family:** Ulmaceae **Tsnum:** 00165
Common Name: Patriot Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/9/2012

Plant Habit: Upright oval to irregular

Plant Height: 10-17 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair

Insect Pests: Scale, chewing insects

Pest Severity: Moderate to severe

Plant Disease: Sooty mold

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in arboretum in 2004. Would look much better if not for scale and sooty mold.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ulmus x *Variety:* -0-
Cultivar: Pioneer *Family:* Ulmaceae *Tsnum:* 84243
Common Name: Pioneer Elm
Source: J. Frank Schmidt and Son Co *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 9/20/2012

Plant Habit: Vase

Plant Height: 30-35 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Insect Pests: Scale

Pest Severity: Moderate injury

Plant Disease: Sooty mold

Disease Severity: Minor injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Needs some pruning due to dieback from scale.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum **Variety:** -0-
Cultivar: Emerald Triumph **Family:** Caprifoliaceae **Tsnum:** 92114
Common Name: Emerald Triumph Viburnum
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/3/2013

Plant Habit: Round to broad oval

Plant Height: 6-8 ft.

Plant Width: 10-12 ft.

Current Seasons Growth: 10-20 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated one is same size and looks better, uniform and healthier.

Observation Date of Flowers: 4/26/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/28/2008

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: Red and golden yellow

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum *Variety:* -0-
Cultivar: Emerald Triumph *Family:* Caprifoliaceae *Tsnum:* 92102
Common Name: Emerald Triumph Viburnum
Source: USDA/NC-7, Ames, IA *Quantity observed:* 2 *PI #:* 15914

Observation Date of Plant: 10/9/2013

Plant Habit: Broad oval to round

Plant Height: 6-9 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 10-18 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/26/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: red, orangish red

Date of observation: 10/21/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum bodnantense **Variety:** -0-
Cultivar: Pink Dawn **Family:** Caprifoliaceae **Tsnum:** 88204
Common Name: Pink Dawn Hybrid Viburnum
Source: Hines Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/6/2013
Plant Habit: Round becoming broad oval
Plant Height: 8-11 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 3/18/2012

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: One of few years flowers were not frozen and it looks very good plus has a nice fragrance. Great pink color.

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Bronze/red

Date of observation: 10/28/2008

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum carlcephalum **Variety:**
Cultivar: **Family:** Caprifoliaceae **Tsnum:** 95116
Common Name: Fragrant Snowball Viburnum
Source: Oregon Garden Products **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2013

Plant Habit: Broad oval, irregular

Plant Height: 4-5 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: About half of canopy died back in winter of 2004/05 and 25% in 2005/06 but surviving part has good vigor. In 2006/2007 10-20% of canopy - one stem was wilting/dying from apparent canker. No dieback in 2011 or 2013 but misshapen.

Observation Date of Flowers: 5/2/2006

Flower Color: White, pink buds

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 20-40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Would probably have more flowers if plant was in a site that was more moist.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum dentatum *Variety:* -0-
Cultivar: -0- *Family:* Caprifoliaceae *Tsnum:* 83263
Common Name: Downy Viburnum
Source: Synnestvedt Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Round

Plant Height: 8-10 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 2-5 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Canopy looks a little thin and is a little floppy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum dentatum *Variety:* -0-
Cultivar: -0- *Family:* Caprifoliaceae *Tsnum:* 88118
Common Name: Arrowwood Viburnum
Source: USDA/NC-7, Ames, IA *Quantity observed:* 1 *PI #:* PI495621

Observation Date of Plant: 10/9/2013
Plant Habit: Round
Plant Height: 4 - 4.5 ft
Plant Width: 4-6 ft.
Current Seasons Growth: 4-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum dentatum **Variety:**
Cultivar: Moonglo **Family:** Caprifoliaceae **Tsnum:** 02019
Common Name: Moonglo Arrowwood Viburnum
Source: Sjulín Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval to round

Plant Height: 4-6 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: 5/22/06 - Removed 75-80% of canopy due to winter dieback when temperatures were -16F. Looked fine Spring of 2007 despite similar temperatures and no additional damage in 2008 - 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum dentatum **Variety:**
Cultivar: Morton **Family:** Caprifoliaceae **Tsnum:** 98048
Common Name: Northern Burgundy Viburnum
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2013

Plant Habit: Round

Plant Height: 3 - 4.5 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably have better vigor if not at edge of arboretum which has less uniform irrigation.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum dentatum **Variety:**
Cultivar: Ralph Senior **Family:** Caprifoliaceae **Tsnum:** 07079
Common Name: Autumn Jazz Arrowwood Viburnum
Source: Carlton Plants **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval

Plant Height: 3-5 ft.

Plant Width: 2-4.5 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Starting to gain vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/10/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum dentatum **Variety:**
Cultivar: Synnestvedt **Family:** Caprifoliaceae **Tsnum:** 07080
Common Name: Chicago Lustre Arrowwood Viburnum
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval

Plant Height: 5-6 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Was in lathhouse too long.

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum dilatatum *Variety:*
Cultivar: Oneida *Family:* Caprifoliaceae *Tsnum:* 96086
Common Name: Oneida Viburnum
Source: Bailey Nurseries *Quantity observed:* 3 *PI #:*

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 4-8 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark to medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably look better if not at edge of arboretum which has less uniform irrigation. Two of three are significantly smaller than the third.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum lantana *Variety:* -0-
Cultivar: Mohican *Family:* Caprifoliaceae *Tsnum:* 83259
Common Name: Mohican Wayfaringtree Viburnum
Source: Synnestvedt Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/4/2013

Plant Habit: Round

Plant Height: 6-8 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 10-20 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2008 and has come back strong.

Observation Date of Flowers: 5/10/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum lantana *Variety:* -0-
Cultivar: Mohican *Family:* Caprifoliaceae *Tsnum:* 80148
Common Name: Mohican Wayfaringtree Viburnum
Source: USDA/NC-7, Ames, IA *Quantity observed:* 1 *PI #:* PI316679

Observation Date of Plant: 10/3/2013

Plant Habit: Round

Plant Height: 10 - 12 ft.

Plant Width: 15 -18 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum lantana **Variety:** -0-
Cultivar: Rugosum **Family:** Caprifoliaceae **Tsnum:** 83260
Common Name: Rugosa Wayfaringtree Viburnum
Source: Synnestvedt Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Round

Plant Height: 9-11 ft.

Plant Width: 10-14 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two was rejuvenated in 2009.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Dark purple/red

Date of observation: 11/11/2009

Persistence: 2-3 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum lentago **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 77013
Common Name: Nannyberry Viburnum
Source: Unknown **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Broad oval

Plant Height: 8-10 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 4 - 8 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/5/2011

Aesthetics: Excellent **Persistence:** 1-2 weeks

Fall Color: pale golden yellow, true red

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum molle **Variety:**
Cultivar: **Family:** Caprifoliaceae **Tsnum:** 99016
Common Name: Kentucky Viburnum
Source: Sjulín Nurseries **Quantity observed:** 4 **PI #:**

Observation Date of Plant: 10/9/2013

Plant Habit: Broad oval to round

Plant Height: 4-6 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably have better vigor if not at edge of arboretum which has less uniform irrigation.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum mongolicum *Variety:*
Cultivar: Ames 2814 *Family:* Caprifoliaceae *Tsnum:* 11009
Common Name: Mongolian Viburnum
Source: USDA/NC-7, Ames, IA *Quantity observed:* 3 *PI #:* Ames 2814

Observation Date of Plant: 10/4/2013

Plant Habit: Upright oval

Plant Height: 3-4 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum opulus **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 78127
Common Name: European Cranberrybush Viburnum
Source: Unknown **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/4/2013

Plant Habit: Round to broad oval

Plant Height: 8-12 ft.

Plant Width: 17-22 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: light yellow, burnt red

Date of observation: 10/28/2003

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum opulus **Variety:** -0-
Cultivar: Aurea **Family:** Caprifoliaceae **Tsnum:** 82105
Common Name: Golden European Cranberrybush Viburnum
Source: Cross Nurseries Inc. **Quantity observed:** 3 **PI #:** -0-

Observation Date of Plant: 10/6/2013

Plant Habit: Round to broad oval

Plant Height: 10 -12 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Light green, light yellow

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One rejuvenated in 2010.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum opulus **Variety:** -0-
Cultivar: Compactum **Family:** Caprifoliaceae **Tsnum:** 81249
Common Name: Compact European Cranberrybush Viburnum
Source: Cross Nurseries Inc. **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/6/2013
Plant Habit: Upright oval becoming round
Plant Height: 5-7 ft.
Plant Width: 5-8 ft
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum opulus **Variety:**
Cultivar: Notcutt **Family:** Caprifoliaceae **Tsnum:** 94007
Common Name: Notcutt European Cranberry Bush
Source: Mount Arbor Nursery **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2013

Plant Habit: Upright oval

Plant Height: 6-7 ft.

Plant Width: 3-6 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum opulus **Variety:**
Cultivar: Roseum **Family:** Caprifoliaceae **Tsnum:** 98021
Common Name: Snowball Viburnum
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **PI #:**

Observation Date of Plant: 10/9/2013

Plant Habit: Round to broad oval

Plant Height: 4-7 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 12-36 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Doing well for being at edge of arboretum.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum opulus *Variety:* -0-
Cultivar: Xanthocarpa *Family:* Caprifoliaceae *Tsnum:* 81294
Common Name: European Cranberrybush Viburnum
Source: Denver Botanic Gardens *Quantity observed:* 2 *PI #:* PN1109

Observation Date of Plant: 10/6/2013

Plant Habit: Upright oval

Plant Height: 7-10 ft.

Plant Width: 6-10 ft.

Current Seasons Growth: 12-18 in

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2011. Came back with impressive vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum plicatum tomentosum *Variety:*
Cultivar: Kern's Pink *Family:* Caprifoliaceae *Tsnum:* 08049
Common Name: Kern's Pink Doublefile Viburnum
Source: Bailey Nurseries *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 10/4/2013

Plant Habit: Upright oval

Plant Height: 5-7 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 18-30 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum rufidulum **Variety:**
Cultivar: 21668 **Family:** Caprifoliaceae **Tsnum:** 03029
Common Name: Rusty Blackhaw Viburnum
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** 21668

Observation Date of Plant: 10/9/2013
Plant Habit: Upright oval to round
Plant Height: 3-5 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 12-18 in

Foliage Color: Dark green, glossy
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2004. 6/2/06 - Removed 80% of canopy due to -16F winter temperatures in December 2005. No damage since then. Looks good despite location at edge of arboretum.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum rufidulum **Variety:**
Cultivar: 25098 **Family:** Caprifoliaceae **Tsnum:** 03030
Common Name: Rusty Blackhaw Viburnum
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **PI #:** 25098

Observation Date of Plant: 10/9/2013
Plant Habit: Upright oval to round
Plant Height: 3-5 ft.
Plant Width: 4-7 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Dark green, glossy
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2004. Very attractive, glossy foliage. May be a little more bushy than the other selection of *V. rufidulum* in the arboretum.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum sargentii **Variety:** -0-
Cultivar: Flavum **Family:** Caprifoliaceae **Tsnum:** 81303
Common Name: Sargent Viburnum
Source: Denver Botanic Gardens **Quantity observed:** 1 **PI #:** PN181

Observation Date of Plant: 10/6/2013

Plant Habit: Broad oval, irregular

Plant Height: 6 - 9 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 10-20 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Width may be different in another landscape since this one is crowded by neighbors. Growth habit is a little leggy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum trilobum *Variety:* -0-
Cultivar: -0- *Family:* Caprifoliaceae *Tsnum:* 81155
Common Name: American Cranberrybush Viburnum
Source: Bailey Nurseries *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 10/6/2013
Plant Habit: Broad oval to round
Plant Height: 8-11 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 12-30 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Width may be different in another landscape since this one is crowded by neighbors. One of three was rejuvenated in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair
Fall Color: Pale yellow

Date of observation: 10/6/2008
Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum trilobum **Variety:**
Cultivar: Hahs **Family:** Caprifoliaceae **Tsnum:** 98047
Common Name: Hahs American Cranberry Bush
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/4/2013

Plant Habit: Upright, irregular

Plant Height: 5-7 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, hedge

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum trilobum **Variety:**
Cultivar: J. N. Select **Family:** Caprifoliaceae **Tsnum:** 07035
Common Name: Redwing American Cranberrybush
Source: Bailey Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/4/2013

Plant Habit: Upright oval to round

Plant Height: 5-7 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests: Aphids

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Probably was in lathhouse too long and got too tall so may take a while to establish a normal growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum trilobum **Variety:** -0-
Cultivar: Wentworth **Family:** Caprifoliaceae **Tsnum:** 84120
Common Name: Wentworth Amer. Cranberrybush Viburnum
Source: Sherman Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/4/2013

Plant Habit: Irregular or broad oval

Plant Height: 8-10 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2010.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum x burkwoodii **Variety:**
Cultivar: Mohawk **Family:** Caprifoliaceae **Tsnum:** 03007
Common Name: Mohawk Burkwood Viburnum
Source: Carlton Plants **Quantity observed:** 1 **PI #:**

Observation Date of Plant: 10/9/2013
Plant Habit: Upright oval
Plant Height: 5-8 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green, glossy
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: May be getting too much shade from nearby plants.

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2005.

Observation Date of Flowers: 4/26/2006

Flower Color: Pink buds, white flowers

Flower Type: cluster

Flower Effect: Good

% of Flower Coverage: 20-40%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum x pragense **Variety:**
Cultivar: **Family:** Caprifoliaceae **Tsnum:** 03159
Common Name: Prague Viburnum
Source: Monrovia Growers **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/6/2013
Plant Habit: Upright oval to round
Plant Height: 6-8 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Dark green, glossy
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: 12/12/05 - Foliage still looks attractive and dark green. Probably needs some pruning to achieve best aesthetics when young.

Observation Date of Flowers: 5/10/2006

Flower Color: White flowers, pink buds

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 10-15%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Almost all buds over two feet above the ground are brown and crisp - appears to have frozen during the -15F weather in the winter.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum x rhytidophylloides *Variety:*
Cultivar: Alleghany *Family:* Caprifoliaceae *Tsnum:* 96207
Common Name: Alleghany Viburnum
Source: Denver Botanic Gardens/Pla *Quantity observed:* 3 *PI #:*

Observation Date of Plant: 10/21/2011

Plant Habit: Round

Plant Height: 6 - 10 ft.

Plant Width: 6-10 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, specimen, xeriscape, shrub border

Overall Plant Health: Excellent

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Excellent dark green foliage.

Observation Date of Flowers: 5/8/2006

Flower Color: White

Flower Type: cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum x rhytidophylloides **Variety:** -0-
Cultivar: Alleghany **Family:** Caprifoliaceae **Tsnum:** 80150
Common Name: Alleghany Lantanaphyllum Viburnum
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **PI #:** PI316675

Observation Date of Plant: 10/6/2013

Plant Habit: Broad oval

Plant Height: 8 - 12 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Wildlife, specimen, xeriscape, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Excellent dark green foliage.

Observation Date of Flowers: 5/10/2006

Flower Color: White/cream

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Viburnum x rhytidophylloides *Variety:*
Cultivar: Willowwood *Family:* Caprifoliaceae *Tsnum:* 94004
Common Name: Willowwood Viburnum
Source: Sjulín Nurseries *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 10/9/2013

Plant Habit: Irregular

Plant Height: 6-8 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 10-18 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks very good especially for being on edge of arboretum.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Vitis x *Variety:*
Cultivar: Jupiter *Family:* Vitaceae *Tsnum:* 13070
Common Name: Jupiter Grape
Source: Greenleaf Nursery Co. *Quantity observed:* 3 *PI #:*

Observation Date of Plant: 10/3/2013

Plant Habit: Vine

Plant Height: 3-5 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Fruit, trellis

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Vitis x *Variety:*
Cultivar: Mars *Family:* Vitaceae *Tsnum:* 13071
Common Name: Mars Grape
Source: Greenleaf Nursery Co. *Quantity observed:* 2 *PI #:*

Observation Date of Plant: 10/3/2013

Plant Habit: Vine

Plant Height: 3-5 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Fruit, trellis

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Vitis x *Variety:*
Cultivar: Neptune *Family:* Vitaceae *Tsnum:* 13072
Common Name: Neptune Grape
Source: Greenleaf Nursery Co. *Quantity observed:* 3 *PI #:*

Observation Date of Plant: 10/3/2013

Plant Habit: Vine

Plant Height: 3-5 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Fruit, trellis

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2013 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Vitis x **Variety:**
Cultivar: St. Theresa Seedless **Family:** Vitaceae **Tsnum:** 11112
Common Name: Saint Theresa Seedless Grape
Source: Plant Select **Quantity observed:** 5 **PI #:**

Observation Date of Plant: 10/21/2011

Plant Habit: Vine

Plant Height: 2-3 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Fruit, screen if on a trellis

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010. Still getting established.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Weigela florida *Variety:* -0-
Cultivar: Bristol Snowflake *Family:* Caprifoliaceae *Tsnum:* 84186
Common Name: Bristol Snowflake Old Fashioned Weigela
Source: Zelenka Nursery *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/5/2012

Plant Habit: Round to broad oval

Plant Height: 4-6 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 2-4 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Removed 50% dead wood in 2010 due to winter dieback but looks fine in 2012.

Observation Date of Flowers: 6/5/2006

Flower Color: White

Flower Type: Single

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Some flowers even in late September

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Weigela florida **Variety:** -0-
Cultivar: Candida **Family:** Caprifoliaceae **Tsnum:** 88081
Common Name: Candida Old Fashioned Weigela
Source: Mount Arbor Nursery **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 10/5/2012

Plant Habit: Upright oval

Plant Height: 3-4 ft

Plant Width: 2-4 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Light green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: May get some winter dieback sometimes as it did in 2009/2010. Was rejuvenated a few years ago but still looks leggy.

Observation Date of Flowers: 5/26/2006

Flower Color: White

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 20-25%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Weigela florida **Variety:** -0-
Cultivar: Eva Rathke **Family:** Caprifoliaceae **Tsnum:** 88082
Common Name: Eva Rathke Old Fashioned Weigela
Source: Mount Arbor Nursery **Quantity observed:** 2 **PI #:** -0-

Observation Date of Plant: 10/5/2012
Plant Habit: Upright oval becoming round
Plant Height: 3 - 5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 2-4 ft.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Removed about 40% of dead wood in 2010 from one of two plants - possibly due to harsh winter in 2009-2010 but seems fine since then.

Observation Date of Flowers: 6/5/2006

Flower Color: Red

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Weigela florida **Variety:** -0-
Cultivar: Java Red **Family:** Caprifoliaceae **Tsnum:** 93072
Common Name: Java Red Weigela
Source: Carlton Plants **Quantity observed:** 4 **PI #:** -0-

Observation Date of Plant: 8/15/2013

Plant Habit: Round to irregular

Plant Height: 2-4 ft.

Plant Width: 1.5 - 3 ft.

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Dark purple/red fading to green on inner branch

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Weigela florida *Variety:* -0-
Cultivar: Pink Delight *Family:* Caprifoliaceae *Tsnum:* 84204
Common Name: Pink Delight Old Fashioned Weigela
Source: Bailey Nurseries *Quantity observed:* 1 *PI #:* -0-

Observation Date of Plant: 10/8/2012

Plant Habit: Broad oval to round

Plant Height: 6-9 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 3-4 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 6/2/2006

Flower Color: Rose/pink

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Weigela florida *Variety:* -0-
Cultivar: Vaniceki *Family:* Caprifoliaceae *Tsnum:* 81157
Common Name: Vanicek Old Fashioned Weigela
Source: Bailey Nurseries *Quantity observed:* 3 *PI #:* -0-

Observation Date of Plant: 10/8/2012

Plant Habit: Round

Plant Height: 6 - 8 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 2-3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Has slight chlorosis and may have significant dieback some winters.

Observation Date of Flowers: 6/2/2006

Flower Color: Dark Red

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Best Weigela for flowers in this collection.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Weigela florida **Variety:**
Cultivar: Variegata **Family:** Caprifoliaceae **Tsnum:** 94005
Common Name: Variegated Weigala
Source: Sjulín Nurseries **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/5/2012

Plant Habit: Upright oval to round.

Plant Height: 3-4.5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Variegated, med green and light green and white

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would look better but often has winter dieback which needs to be pruned out but hasn't occurred recently. One of two plants has less vigor than the other.

Observation Date of Flowers: 5/26/2006

Flower Color: Pink fading to white

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 15-30%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Weigela hortensis *Variety:* -0-
Cultivar: -0- *Family:* Caprifoliaceae *Tsnum:* 85037
Common Name: Weigela
Source: US Nat'l Arboretum *Quantity observed:* 1 *PI #:* NA51309

Observation Date of Plant: 10/8/2012
Plant Habit: Broad oval to irregular
Plant Height: 3-4 ft.
Plant Width: 4-7 ft.
Current Seasons Growth: 18-30 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Has moderate chlorosis.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Weigla florida **Variety:**
Cultivar: Pink Poppet **Family:** Caprifoliaceae **Tsnum:** 04204
Common Name: Pink Poppet Weigela
Source: Monrovia Growers **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 10/5/2012
Plant Habit: Round becoming broad oval
Plant Height: 2-3 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Light to medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably look better if not crowded by nearby plants and if not at edge of arboretum where irrigation is less uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO**

Scientific Name: Xanthoceras sorbifolium **Variety:**
Cultivar: **Family:** Sapindaceae **Tsnum:** 97067
Common Name: Yellowhorn
Source: Bailey Nurseries **Quantity observed:** 6 **PI #:**

Observation Date of Plant: 10/1/2012

Plant Habit: Upright oval

Plant Height: 12-18 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, wildlife

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Attractive foliage. Looks good all summer. Edible nuts are good but fairly small and labor intensive

Observation Date of Flowers: 4/24/2012

Flower Color: White developing a maroon eye

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 95-100%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 10/10/2004

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Zelkova serrata *Variety:*
Cultivar: Green Vase *Family:* Ulmaceae *Tsnum:* 01019
Common Name: Green Vase Zelkova
Source: Carlton Plants *Quantity observed:* 1 *PI #:*

Observation Date of Plant: 8/9/2013
Plant Habit: Vase
Plant Height: 18-24 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in arboretum in 2003. Cankers have caused large dead area at four areas along trunk but don't appear active anymore.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Zelkova serrata **Variety:**
Cultivar: Musashino **Family:** Ulmaceae **Tsnum:** 99010
Common Name: Musashino Zelkova
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **PI #:**

Observation Date of Plant: 9/11/2012

Plant Habit: Vase

Plant Height: 9-12 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 8-18 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Residential street, Specimen

Overall Plant Health: Fair to poor

Insect Pests: Chewing insects

Pest Severity: Slight

Plant Disease: Canker

Disease Severity: Moderate to severe damage

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2003. Appears hardy for this area. Survived a harsh winter of -15 last year. One of two had 50% of tree die from canker in 2011. Second tree also developing large canker on trunk.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Fruit Present:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair to good

Fall Color: Red

Date of observation: 10/9/2009

Persistence: 1-2 weeks

2013 Woody Plant Evaluations
at the Plant Environmental Research Center, Colorado State University, Fort Collins, CO

Scientific Name: Ziziphus jujube **Variety:** -0-
Cultivar: -0- **Family:** Rhamnaceae **Tsnum:** 78013
Common Name: Common Jujube
Source: Knox City Plant Material **Quantity observed:** 1 **PI #:** -0-

Observation Date of Plant: 9/27/2012

Plant Habit: Upright oval

Plant Height: 12-18 ft.

Plant Width: 12-18 ft

Current Seasons Growth: 10-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, large shrub for back of border, small tree

Overall Plant Health: Good

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage is drab "Army green" but very glossy. Has had die back during a very cold winter about 1990 but had no problems during severe cold in winters since then.

Observation Date of Flowers: 7/23/2003

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 26-50%

Bloom Stage: Flowers open

Fruit Present:

Comments on Flowers: Flowers are too tiny to be showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence: