

Lakeshore path shoreline, uplands below Lot 34

Proposed planting plans 2010

Spring 2010 Actions

- Remove remainder of buckthorn and honeysuckle and reduce number of Green Ash trees, both in the woodland and along the shoreline.
- Control erosion and plant groundcover along the shoreline.
- Add plantings with volunteer labor
- Weed and water.

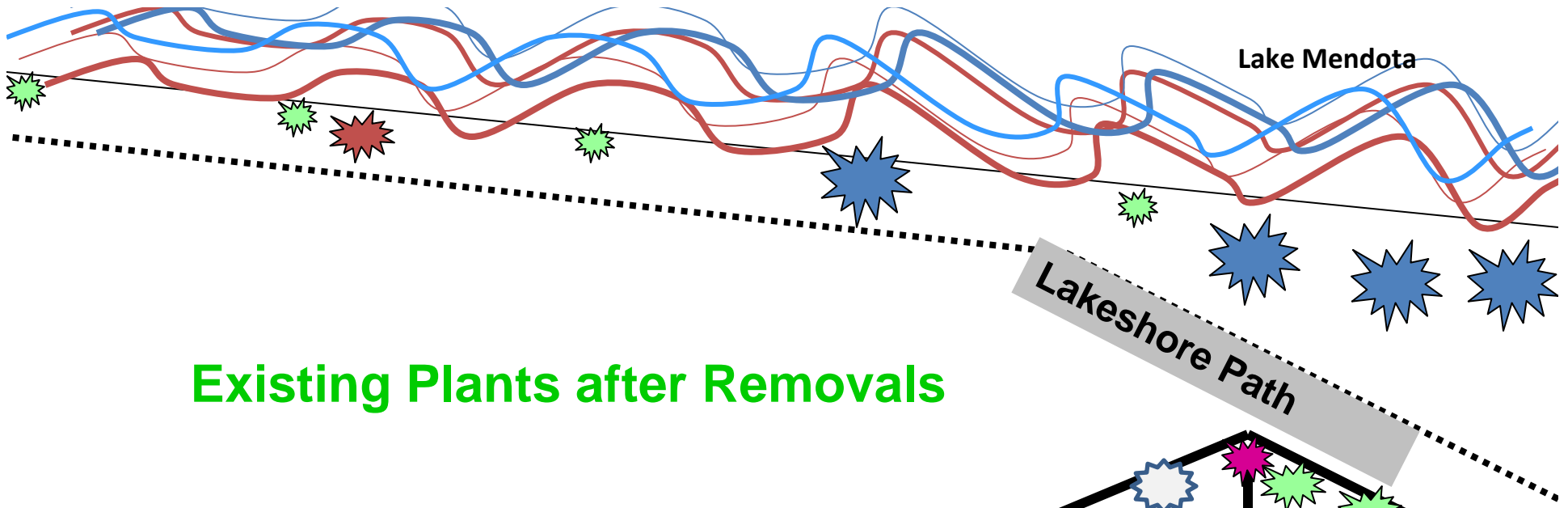
Lot – 34

Tree and Shrub Planting 2010

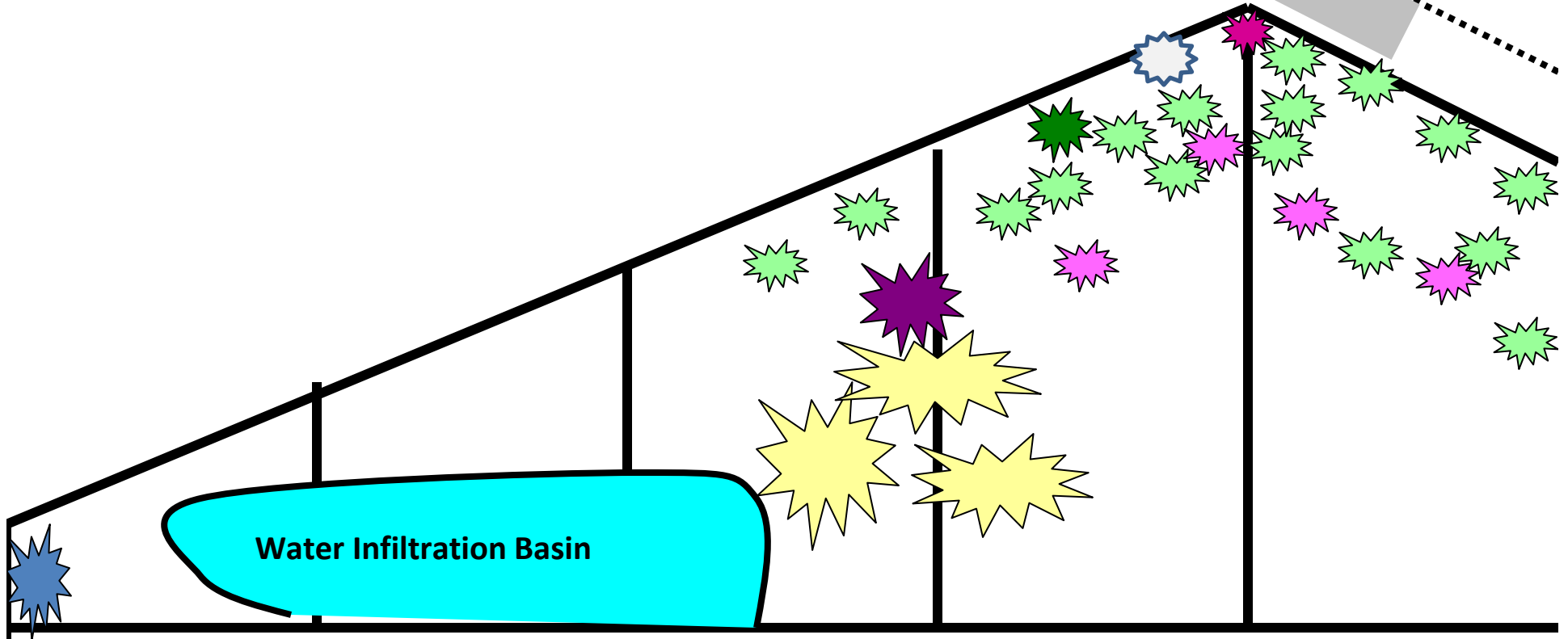
- 1. Objectives: Screen the parking lot, add more oak and hickory trees to campus, and establish long term woodland structure by planting pools of trees and shrubs far enough apart to allow efficient maintenance and light for continual ground cover to stabilize the soils and increase plant diversity.**
- 2. Selected plant species:**
 - are regionally native,
 - produce high quality nuts and fruits for wildlife
 - are long lived, accumulate and hold nutrients in their structures, and improve water quality of the lake by tightly holding nutrients,
 - will grow under existing site conditions.
- 3. Maintenance:**

The plantings will be pruned routinely to control spread, keep them upright, and therefore allow groundcover of wildflowers, sedges, and grasses to continue to hold the soil between and under the plants. This pruning mimics effects of fire and animal browsing that would have naturally kept a woodland “open”.

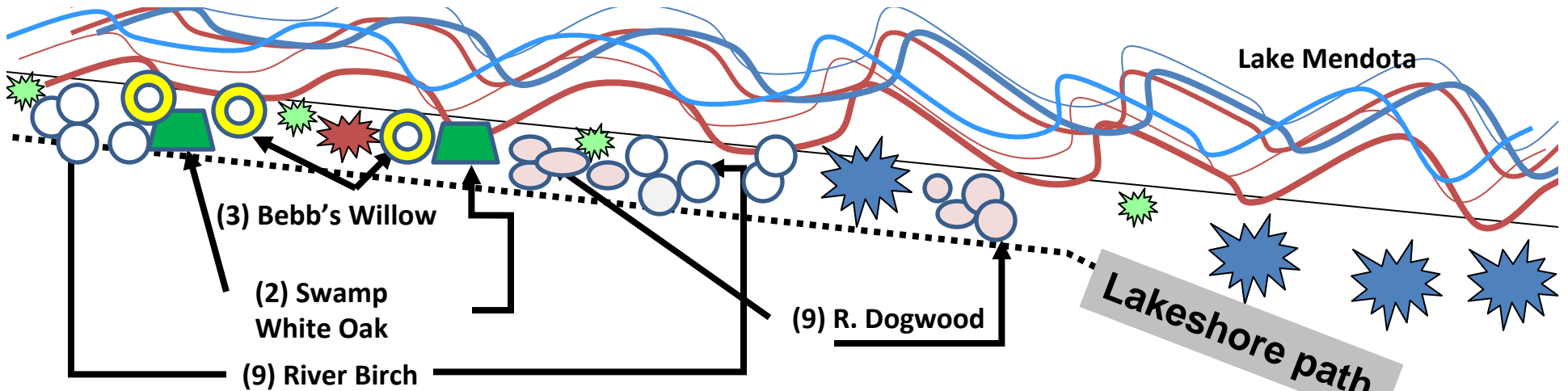
Note: Exact planting locations in the “woods” will be selected in April when we can evaluate continued survival of small shrubs from a fall 2008 bare root planting.



Existing Plants after Removals



West end of Parking Lot 34

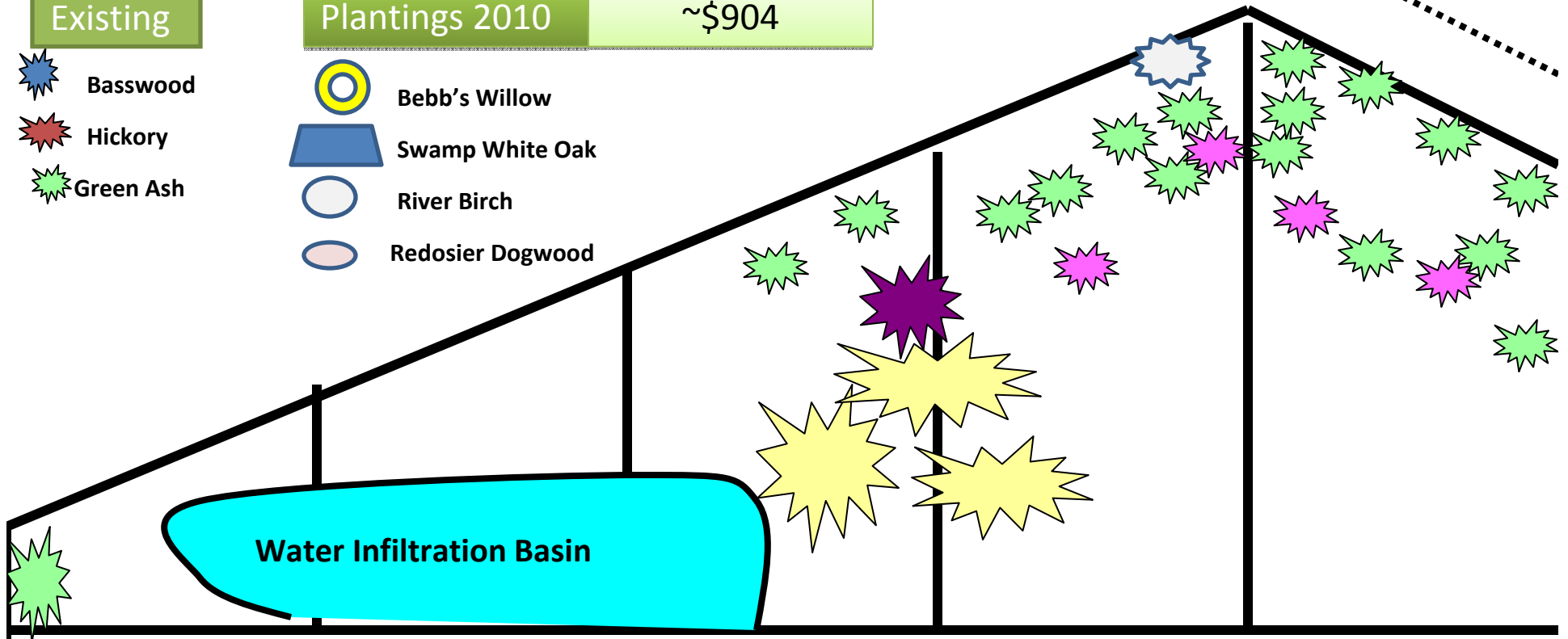


Existing

Plantings 2010 ~\$904

-  Basswood
-  Hickory
-  Green Ash

-  Bebb's Willow
-  Swamp White Oak
-  River Birch
-  Redosier Dogwood



West end Lot 34

Plantings 2010

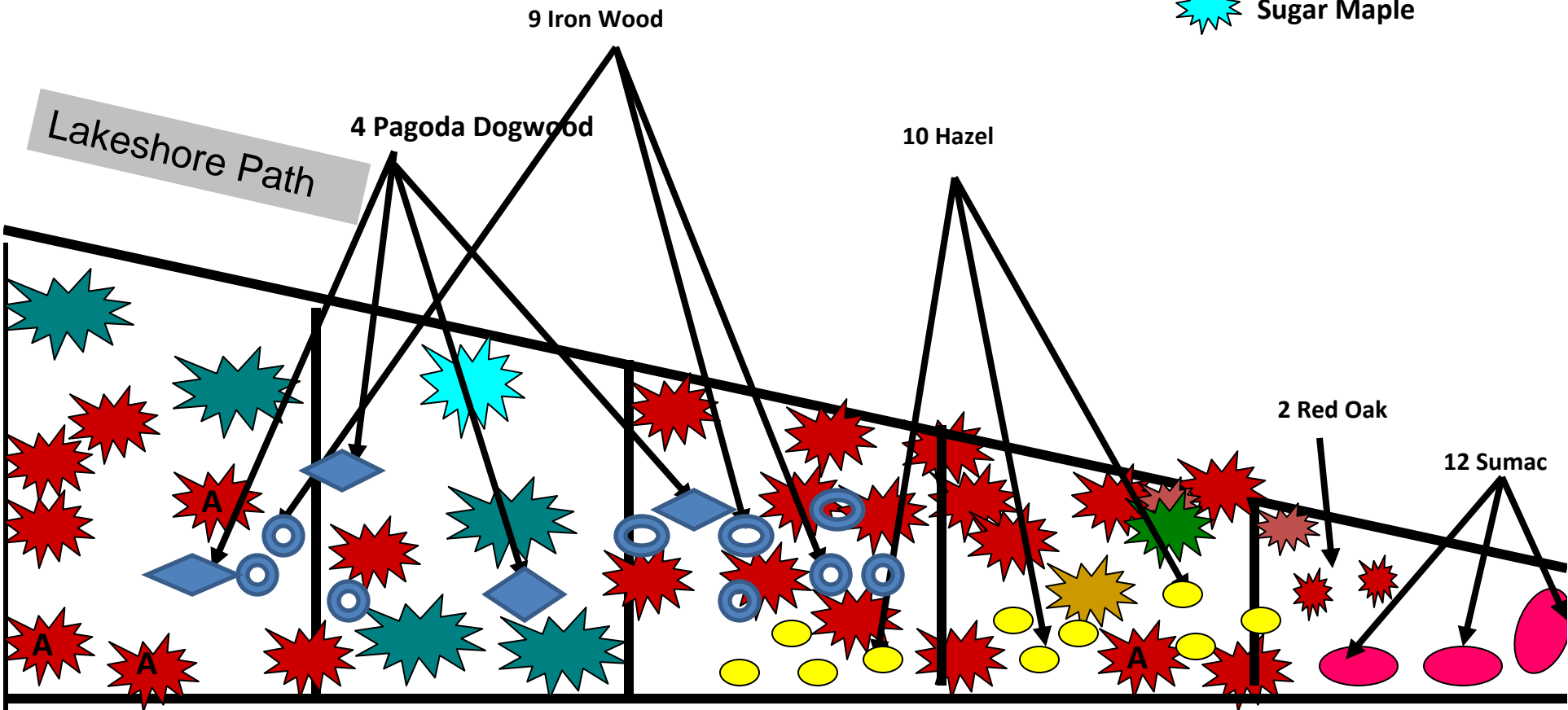
~\$1,745

- Sumac
- Iron Wood
- Hazel
- Pagoda Dogwood

Existing trees to remain

- White Oak
- Basswood
- Honey Locust
- Hickory
- Red Oak
- Sugar Maple

East end of woodland below Lot 34



*Shoreline planting estimates

Species	Amount	Size	Unit Price	Total
<i>Betula nigra</i> River Birch	5 single stem	1 – 1.5” Caliper	65.00	325.00
<i>Betula nigra</i> River Birch	4 double stem	1 – 1.5 Caliper	78.00	312.00
<i>Cornus sericea</i> Red Twig Dogwood	9	3’ Tall	\$4.00	36.00
<i>Quercus bicolor</i> Swamp White Oak	2	1 - 1.5” Caliper	110.00	220.00
<i>Salix bebbiana</i> Bebb’s Willow	3	2.5 Pot	\$3.50	11.50

*Actual plants, costs dependent on availability

Upland planting estimates*

Species	Amount	Size	Price	Total
<i>Cornus alternifolia</i> Pagoda Dogwood	4	1 – 1.5 ” Caliper	\$32.00	128.00
<i>Corylus americana</i> Hazelnut	10	18” Tall	\$4.00	40.00
		#3 Container	\$14.00	140.00
		#5 Container	\$16.00	160.00
<i>Ostrya virginiana</i> Hop Hornbean	9	18”	\$5.00	45.00
		#1 Container	\$8.50	76.00
		#5 Container	\$35.00	315.00
<i>Quercus rubra</i> Red Oak	2	1 – 1.5” Caliper	\$95.00	190.00
<i>Rhus glabra</i> Sumac	12	3’	\$4.00	48.00

*actual costs, plants dependent on availability