

2013 Native Tree & Shrub Descriptions*

Species	Mature Size (height / width)	Light Needs	More about growth rate, soil preference, uses & edibility!
Ash, Mountain	20' / 20'	Full	Slow growing, prefers rich soils but tolerates others, good for birds. <i>Sorbus americana</i>
Basswood (Am.Linden)	100' / 75'	Shade	Tall, moderate growth rate, plant in moist well drained loamy soil. <i>Tilia americana</i>
Birch, Paper	50-70' / 40'	Full	Rapid growth prefers well-drained sandy loam. <i>Betula papyrifera</i>
Cedar, White	40-50' / 15'	Shade	Slow to moderate growth rate, plant in clay loams, sandy loams. <i>Thuja occidentalis</i>
Cherry, Choke	25' / 25'	Part	Fast growing, loamy well drained soil, tart fruit, & good for jelly, syrup. <i>Prunus virginiana</i>
Cherry, Pin	30' / 5'	Full	Plant in full sun, could produce in 2 years, sour fruit for jelly. <i>Prunus pensylvanica</i>
Cherry, Sand	3-6' / 3-6'	Full	Winter hardy, loamy soil, edible fruit, good for birds, deer browse. <i>Prunus besseyi</i>
Chokeberry, Black	3-6' / 3-6'	Full	Red autumn leaves, white flowers, lasting fruit, adapts to most soils. <i>Aronia melanocarpa</i>
Cranberry, Highbush	12' / 12'	Part	Prefers moist well-drained soil, but not particular about type. <i>Viburnum trilobum</i>
Dogwood, Gray	6' / 12'	Part	Not fussy about soil type, but prefers well drained. Has white flower. <i>Cornus racemosa</i>
Dogwood, Red-Osier	11' / 12'	Shade	Fast growing, prefers wet sites, red stems. Winter color, food for deer. <i>Cornus sericia</i>
Elderberry	9' / 9'	Part	Prefers loamy moist soil, favorite of songbirds, make wine & jelly. <i>Sambucus canadensis</i>
Fir, Balsam	40-60' / 20-35'	Shade	Fast growth, Christmas tree, good for birds, mammals, pulpwood. <i>Abies balsamea</i>
Grape, Riverbank	20-30'	Shade	Found along streams or damp cool woods. Sour, but good for jelly, juice. <i>Vitis riparia</i>
Hazelnut	10'-20'	Full	Filberts edible, plant full sun, produces 2 nd year, shallow roots. <i>Corylus sp.</i>
Juneberry	8' / 8'	Part	Suckers, grows in all well drained soils, edible fruit, good for wildlife. <i>Amelanchier alnifolia</i>
Maple, Red	50-70' / 60'	Part	Moderate to fast growing. Prefers well-drained soil. Red, yellow in fall. <i>Acer rubrum</i>
Maple, Silver	60-90' / 75'	Part	Grows in poor wetter soils, rapid growth rate. Yellow fall color. <i>Acer saccharinum</i>
Maple, Sugar	60-80' / 80'	Shade	Slow-moderate growth, best in well-drained loam. Syrup, bright fall colors. <i>Acer saccharum</i>
Nannyberry	15-20' / 6-10'	Part	Most soils, edible fruit- date flavor after frost, good for birds. <i>Viburnum lentago</i>
Ninebark	10' / 8'	Part	Blooms flower clusters, slow growing. Good for difficult sites. <i>Physocarpus opulifolius</i>
Oak, Bur	70-80' / 80'	Part	Slow growing, likes moist well-drained soil, will grow in other areas. <i>Quercus macrocarpa</i>
Oak, Red	60-80' / 50'	Part	Fast growing, prefers well-drained rich moist soils. <i>Quercus rubra</i>
Pine, Jack	30-80' / 20-30'	Full	Needs full sun, fast growing at first, birds and animals food, sawlogs. <i>Pinus banksiana</i>
Pine, Norway	50-80' / 30'	Full	aka Red Pine. Moderate/fast growth, likes sandy well-drained soil. <i>Pinus resinosa</i>
Pine, White	80-95' / 80'	Part	Rapid growth rate. Prefers well-drained moist loam, silty loam. <i>Pinus strobus</i>
Plum, American	25' / 20'	Full	Loam, sand, gravel well drained, rapid growing, edible red/yellow fruit. <i>Prunus Americana</i>
Spruce, White	40-80' / 25'	Shade	Rapid growing, plant in well drained med to fine soils, Christmas tree. <i>Picea glauca</i>
Sumac, Staghorn	5-15' / 10-15'	Full	Fast growth rate, all soil types, good for wildlife, bank stabilization. <i>Rhus hirta</i>
Willow, Peach-Leaf	25-45' / 30'	Full	Grows in moist, well-drained soils, good for riparian restoration. <i>Salix amygdaloides</i>
Willow, Sandbar	15' / 4'	Full	Great in floodplains, spreads readily, colonizes, stabilizes soils. <i>Salix exigua interior</i>

*identified as native to St. Louis County, Minnesota and surrounding area, in Welby Smith's *Trees and Shrubs of Minnesota*, University of Minnesota Press, 2008.

Order Deadline April 12, 2013. Visit us at www.SouthStLouisSWCD.org or call (218) 723-4867 for more information.

'Forests in Focus' photo of red pines by Mary Jane Olson

Here's to long-lived friendships!

Give a friend a Gift Certificate for our spring tree sale & a pack of beautiful Notecards.

Tree & Shrub Sale Gift Certificate \$20, \$35, or any amount you choose

'Forests In Focus' Notecards
\$7 for pack of 4, with envelopes

View full-color cards, certificates, poster and more on the Tree & Shrub page of our website.

www.SouthStLouisSWCD.org

Want to split an order? Sometimes a bundle of 25 seedlings is just too many plants for one site to hold (or for one person to plant!). Use Seedling Share on our Facebook page to help find a buying partner.

Just post a message about what you would like to order, then check back to see who wants to 'go-in' on the order with you!

Facebook.com/southstlouisswcd



Conservation NEWS

Newsletter of the South St. Louis Soil & Water Conservation District

Please Save - Share - Copy - Post

Conserving soil and water: lessons from last summer's flood

Last June, as mud and debris filled our streets, yards and harbor, area residents got a crash course in the geology and hydrology of Duluth. These happen to be our specialties at the South St. Louis Soil and Water Conservation District. So, it was with professional interest, as well as personal awe and concern, that we watched and recorded the damage.



A 'before' photo (L) shows part of the severe bank failure near two homes above Chester Creek, where saturated soils caused a block retaining wall to slump. After (R), shows emergency bank stabilization applied to the edge of both properties, using a technique called 'soil nailing'.

Our office offers erosion help for private landowners

While other agencies stepped in to help repair public infrastructure and buildings, the SWCD sought to help private landowners assess and repair the land itself. We visited slumps, gullies, slides and wash-outs—over one hundred erosion sites so far—to document issues and estimate repair costs.

Funding for erosion control was allocated by the state legislature to Minnesota Recovers. Before winter set in, South St. Louis SWCD received preliminary funds to help with a couple of emergency situations. We helped two

adjacent landowners above Chester Creek get reimbursed for 'soil nailing' to stabilize severe landslides that threatened their homes above. We also provided funding for projects in Fond du Lac and Gary-New Duluth.

We expect to offer reimbursements for many more erosion repair projects beginning this spring. If you have questions about flood-caused erosion repair issues, visit the 'Flood 2012' page of our website.

Which projects held their ground?

The June flood put our recent erosion control projects to the test. Our 2011 streambank stabilization project on the Knife River held up beautifully during the flood. It's fortified not with massive stone riprap, but with all organic materials—tree trunks, root wads, brush, and sod mats of willow, dogwood and alder. These are engineered as layers forming a bench on the outside bend of the river.

In theory, the woody bench allows the river to overflow its normal bank, diffusing the water's torrential energy through the mass of roots and over this new 'engineered' floodplain. And in

practice, it did just that! The project literally held its ground.

See photos on the Knife River page of our website (www.SouthStLouisSWCD.org).

Funds for well cleaning and sealing

Our office has funds to reimburse landowners who cleaned or sealed wells contaminated by the June flooding. Please contact us for more information.

Things you can do for backyard erosion control

- 1 Plant trees & shrubs on steep slopes, or build terraces
- 2 Replace some lawn/turf with more deeply rooted plants, like native perennials & grasses
- 3 Consider using surface materials — like pervious pavers — that infiltrate rainwater for new walkways & driveways



Visit us in Duluth's Old Central High
215 North 1st Avenue E, Room 301
Duluth, MN 55802
(218) 723-4867

email: info@southstlouisswcd.org
 website: www.southstlouisswcd.org
 facebook: www.facebook.com/southstlouisswcd

Amity Creek receives trees & trail work

Amity Creek is best known as the river along (and beneath) the Seven Bridges Road. What you may not know is that this cold-water stream is 'impaired' for turbidity, or muddiness. When it rains, Amity's clay banks slough off into the creek, turning it brown. Although some erosion is natural, some is human-caused. Combined, excessive muddiness harms trout habitat in the river and deposits sediment directly into Lake Superior.

In 2011, South St Louis SWCD—in cooperation with the Minnesota Pollution Control Agency—received a \$252,000 grant from the Great Lakes Restoration Initiative to restore and protect Amity Creek. As part of this grant, in 2012, we completed two of four projects in the watershed.

To help reduce runoff and cool water temperatures for trout, the Restoration Project paid for the planting of 250 potted evergreens on land owned by UMD. Through the grant, we provided white pine, spruce and red pine, plus fencing materials. Members of Duluth Stream Corps provided the labor.

"We were very thankful for their help. They have the skills and the strength to plant the trees correctly so that they will grow and mature to help hold soil



Duluth Stream Corps members gather round a newly planted white pine before fencing it.

and shade the creek," says SWCD Conservation Specialist, Kate Kubiak.

This past fall, we also replaced ten undersized culverts along the Amity Creek trail where, unable to carry the flow of larger rainstorms, old culverts had given way to gullies. This year, the Amity Creek Restoration Project will finish engineering and repairing a few of Amity's badly eroding streambanks and will stabilize a gully along Seven Bridges Road.

Learn more about area watersheds and our projects on our website. 

Funds help 'equip' small-scale farmers, foresters

Are you already doing the right thing by and for your land, like clearing buckthorn, thinning red pine, or growing vegetables organically?

You may be eligible for funds to help plan, implement, and maintain these ongoing forms of good land stewardship. The program is called 'Environmental Quality Incentives Program, (EQIP), and it's run by the Dept. of Agriculture's Natural Resources Conservation Service.



Some 'hoop houses' are eligible under EQIP

To learn more, call our office at (218) 723-4867. 



Award for Knife River

The Great Lakes Commission recently awarded \$293,000 to Lake County SWCD and partners (including South St Louis SWCD) for sediment reduction projects in the Knife River watershed.

The Knife is the highest priority watershed for turbidity reduction along Minnesota's Lake Superior Shore. Having documented that the Knife exceeds its turbidity goal by 90% during flood events, this grant enables us to do a few large streambank restoration projects.

The goal is to reduce sediment loads by 750 tons per year. That's 21 percent of the estimated total sediment load.

In December, stakeholders convened for a half-day discussion of how best to coordinate the grant work. Speakers included resource specialists from Minnesota Pollution Control Agency, Dept. of Natural Resources, Lake Superior Steelhead Assoc., U.S. Army Corps of Engineers, U.S. Geological Survey, Minnesota Environmental Partnership, Lake County, St. Louis County, and the SWCD offices of both districts. 

Look for us at these events!

Earth Trax
at Lake Superior Zoo (May)

St. Louis County Fair
in Proctor (July)

DNR Forestry Field Days
(September)

Harvest Fest
at Bayfront Park (October)

2013 Tree & Shrub Order Form



South St. Louis
SOIL & WATER CONSERVATION DISTRICT

Order Deadline
April 12, 2013

Please save a copy for your reference

Type (& Start Size)	Plants / Bundle	Cost	# of Bundles	Total (Cost x Bundles)
Shrubs				
Sand Cherry 2-3 ft.	25	\$35		
Black Chokeberry 18-24"	25	\$35		
Highbush Cranberry 2-3 ft.	10	\$20		
Gray Dogwood 18-24"	25	\$35		
Red-Osier Dogwood 2-3 ft.	10	\$20		
Elderberry 2-3 ft.	25	\$35		
Nannyberry 18-24"	25	\$35		
Ninebark 2-3 ft.	10	\$20		
Sandbar Willow 3-4 ft.	25	\$35		
Small Trees				
Mountain Ash 18-24"	25	\$35		
Choke Cherry 2-3 ft.	25	\$35		
Pin Cherry 18-24"	25	\$35		
Hazelnut 18-24"	25	\$35		
Juneberry 18-24"	25	\$35		
American Plum (Wild) 3-4 ft.	10	\$20		
Staghorn Sumac 2-3 ft.	25	\$35		
Tall Trees				
Basswood (Am. Linden) 3 ft.	10	\$20		
Paper Birch 18-24"	25	\$35		
Red Maple 18-24"	25	\$35		
Silver Maple 2-3 ft.	25	\$35		
Sugar Maple 18-24"	25	\$35		
Bur Oak 2-3 ft.	10	\$20		
Red Oak 3-4 ft.	10	\$20		
Peach Leaf Willow 2-3 ft.	25	\$35		
Evergreens				
White Cedar 8-16"	25	\$35		
Balsam Fir 8-16"	25	\$35		
Jack Pine 6-12"	25	\$35		
Norway (Red) Pine 8-24"	25	\$35		
White Pine 8-16"	25	\$35		
White Spruce 8-18"	25	\$35		
Evergreen Packet (5 each of Norway pine, white pine, white cedar, and white spruce!)	20	\$35		
Vines				
Riverbank Grape 10-24"	25	\$35		

(MI sales tax is included in our prices)

Tax-exempt orders must have a certificate on file with our office. Multiply the total due by .927 to calculate pre-tax cost.

Total
Payment

Choose your pick-up location (circle one):

Duluth
(218) 723-4867

Two Harbors
(218) 834-8370

Grand Marais
(218) 387-3647

Name _____ Phone _____

Address _____

City _____ State _____ Zip _____

Email _____

Please print clearly

Tree Order Pick-Up

Please mark your calendar now! Dates for order pick-up at all locations are between **May 9th & May 11th, 2013**. We'll send an email reminder (or postcard) of pick-up details. If you do not hear from us by May 4th, check our website or phone your pick-up location.

Plants Are Perishable - Please Collect Your Order Promptly

Because of their perishable nature, the SWCD is not responsible for the condition of trees or shrubs after pick-up. Trees and shrubs offered are conservation-grade, bare-root stock. The SWCD does not guarantee survival and/or replacement of trees. Size is subject to change without notice. Refunds can only be made if stock is exhausted. Failure to pick up your order during scheduled dates could result in the loss of your payment.

Warning: Tall trees and evergreens should not be planted near power lines. All shrubs and small trees are OK near lines.

Check Plant Availability Updates on our Website

Order early for best selection. After March 1, please check our website for stock status before ordering. Our website also has tree and shrub descriptions and photos; planting instructions; & wildlife protection strategies.

Want to Split an Order?

Go to our Facebook page to find a Seedling Share buying partner!

Gift Certificates + 'Forests in Focus' Notecards Available

View samples on our website! The gift that grows!

Website: www.southstlouisswcd.org

Phone: (218) 723-4867

Email: info@southstlouisswcd.org

On Facebook: [facebook.com/southstlouisswcd](https://www.facebook.com/southstlouisswcd)

All orders must be paid in full prior to pick-up
Check or money order only

Send Order Forms and Payment to:
South St. Louis SWCD
215 North First Ave East, Room 301
Duluth, MN 55802

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tomorrow...
SIGN UP Today!

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