

# Washburn County Shoreline Restoration - Plant Key and Helpfull Websites

## Plant Key

### Soil Moisture

Symbol	Term	Description
W	Wet	Soggy or marshy most of the year.
WM	Wet Mesic	Excessively wet in winter, spring, and after heavy rain, but often dries in summer.
M	Mesic	Sites or habitats characterized by intermediate moisture conditions, i.e., neither decidedly wet nor decidedly dry
DM	Dry Mesic	Well Drained Sandy Soils. Water is removed from soil readily, but not rapidly.
D	Dry	Excessively drained, Sandy Soils on a relatively steep slope and exposed to drying winds

### Light Conditions

Symbol	Term	Description
FU	Full Sun	Receives 85% or more of the available sunlight
PU	Part Sun	Receives 50 - 80% of the available sunlight
PS	Part Shade	Receives 20% to 50% of the available sunlight
SH	Shade	Receives less than 20% of the available sunlight

### Comments

Term	Definition	Term	Definition
Calcareous	Needs alkaline soil with a pH of 7 to 8.	Rhizomatous	Spreads by runners
Parasitic	Requires a "host plant"	Sand	Requires a very sandy soil
Weedy Caution	Extremely aggressive	*	Highly recommended for home landscaping
Warm Season	Actively grows during the summer	**	Recommended for home landscaping but, be careful with those labeled as being aggressive or weedy.
Cool Season	Actively grows in the spring and fall		
Acidic	Needs - acid soil with a pH of 4 to 6.		

### Color

DkB - Dark Blue	Mag - Magenta	Org - Orange	Tan - Tan
DkR - Dark Red	Crn - Cream	Pur - Purple	Grn - Green
Lav - Lavender	Pnk - Pink	Red - Red	P/R - Pink or Red
LtB - Light Blue	R&Y - Red & Yellow	Ros - Rose	

Common names are often regional in nature, with the same plant being called different names in different places. To avoid confusion it is best to identify a plant by its species name. Species names are a binomial composed of two parts, with genus being the first component. The genus and specific epithet together is the species. For example Acer is the genus and Acer rubrum is the species name for Red Maple. Sugar Maple, Silver Maple, Boxelder and Red Maple all belong in the Genus Acer. If you do a search using the common name verify with the species name that it is the same plant.

### Web Sites

<http://wisplants.uwsp.edu/vascularplants.html> --- U of W Stevens Point web site. Good place to start, Trees, Shrubs, Wildflowers, Grasses and Grass Like Plants and Ferns.

<http://www.botany.wisc.edu/wisflora/GenusList.asp> --- U Of WI Herbarium. Search by genus, A good place to start, Trees, Shrubs, Wildflowers, Grasses and Grass Like Plants and Ferns.

<http://woodyplants.nres.uiuc.edu/> --- U of Ill at Urbana, Start search by genus, Targeted towards landscaping, Trees and Shrubs

<http://www.hort.uconn.edu/plants/index.html> --- U of Conn. Start search by Latin or common name, Targeted towards Landscaping, Trees & Shrubs

A google search on the species name is another good way to find photographs and information on these plants.

## Washburn County Wildflower Plant List

Wild Garlic	Allium canadense	Pnk	May - July	6 - 24"	FU - PS	WM-D	Edible
Woodland Phlox	Phlox divaricata	Blue	May - June	6 - 24"	PS - PS	WM-DM	Rhizomatous * Spring ephemeral, grows in Deciduous Forests
Dotted Mint	Monarda punctata	Lav	July - Sept.	6 - 30"	FU - PU	DM-D	Biannual, Sandy soils **
Trailing Arbutus	Epigaea repens	Wht	May & June	6"	PS - FS	DM-D	prefers an acidic, sandy soil , under evergreen forests
Wintergreen	Gaultheria procumbens	Wht	May & June	6"	PS - FS	DM-D	Sandy soils in cool, damp woods, especially under evergreen trees
Twinflower	Linnaea borealis	Pnk	June & July	6"	PS - FS	WM-DM	Dry or moist sites in pine woods
Woodland Strawberry	Fragaria vesca	Wht	May - June	6-10"	FU - PS	WM-D	Rhizomatous
Upland White Aster	Aster ptarmicoides	Wht	June - Sept.	8 - 24"	FU - PU	DM-D	*
Dwarf Blazing Star	Liatris cylindracea	Pur	July - Oct.	8 - 24"	FU - PU	DM-D	*
Early Meadowrue	Thalictrum dioicum	Grn	May	8 - 28"	PS - PS	WM-DM	grows in moist open woods
Jacob's Ladder	Polemonium reptans	Blue	May - June	8-24"	PS - PS	WM-DM	*
American Bugleweed	Lycopus americanus	Wht	July - Sept.	12 - 24"	FU - PU	W-WM	Commonly found on mucky soils left after water recedes
Field Mint	Mentha arvensis	Wht	July - Sept.	12 - 24"	FU - PS	W-M	Aggressive, Rhizomatous
Virginia Bluebells	Mertensia virginiana	Blue	May	12 - 24"	PS - PS	WM-M	* Clusters of bell-shaped blue flowers in spring, Dies back by midsummer
Jack in the Pulpit	Arisaema triphyllum	Grn	May - July	12 - 36"	PS - PS	WM-M	*
Crooked Stem Aster	Aster prenanthoides	Lav	Aug - Oct.	12 - 36"	FU - PU	WM-M	**
Monkeyflower	Mimulus ringens	Vlt	June - Sept.	12 - 36"	FU - PU	W-WM	*
Great Blue Lobelia	Lobelia siphilitica	Blue	July - Oct.	12 - 48"	FU - PU	W-M	*
Flat-topped Aster	Aster umbellatus	Crm	Aug - Oct.	12 - 60"	FU - PS	W-M	Rhizomatous
Bottle Gentian	Gentiana andrewsii	Blue	Aug - Oct.	18 - 30"	FU - PU	WM-M	*
Northern Blue Flag Iris	Iris versicolor	Blue	May - July	18 - 30"	FU - PU	W-M	Rhizomatous *
Marsh Marigold	Caltha palustris	Yel	May - June	19 - 30"	PS - FS	W-WM	*
Thick Spike Blazing Star	Liatris pycnostachya	Pur	July - Sept.	24 - 48"	FU - PU	W-M	*
Partridgeberry	Mitchella repens	Wht	May & June	24 - 48"	PS - FS	WM-M	Evergreen creeping groundcover with paired white flowers
Sneezeweed	Helenium autumnale	Yel	Aug - Oct.	24 - 60"	FU - PS	W-WM	A great perennial that won't make you sneeze*
Cardinal Flower	Lobelia cardinalis	Red	July - Sept.	24 - 60"	FU - PU	W-WM	*
Bearberry	Arctostaphylos uva-ursi	Pnk	May & June	24 - 72"	FU - PU	D	Evergreen groundcover, found on sandy acidic soils
Swamp Aster	Aster puniceus	Wht	Aug - Oct.	24 - 72"	FU - PS	W-WM	calcic
Blue Vervain	Verbena hastata	Blue	July - Sept.	24 - 72"	FU - PS	W-M	Tolerates seasonal flooding
Turtlehead	Chelone glabra	Crm	July - Sept.	24-36"	FU - PU	W-WM	*
Wild Goldenglow	Rudbeckia laciniata	Yel	July - Oct.	36 - 144"	FU - PS	WM-M	Aggressive, Rhizomatous
Boneset	Eupatorium perfoliatum	Wht	July - Sept.	36 - 48"	FU - PS	W-WM	Tolerates seasonal flooding
Swamp Milkweed	Asclepias incarnata	Red	July - Aug.	36 - 60"	FU - PU	W-M	*
White False Aster	Boltonia asteroides	Wht	Aug - Oct.	36 - 60"	FU - PU	W-WM	Rhizomatous **
Northern Plains Blazing Star	Liatris ligulistylis	Pur	Aug.& Sept.	36 - 60"	FU - PU	WM-M	Monarchs *
Obedient Plant	Physostegia virginiana	Pnk	Aug.& Sept.	36 - 60"	FU - PU	W-M	Rhizomatous **

## Washburn County Wildflower Plant List

Nodding Wild Onion	Allium cernuum	Lav	July & Aug.	10 - 20"	FU - PU	WM-DM	Edible *
Prairie Onion	Allium stellatum	Lav	July & Aug.	10 - 20"	FU - PU	M-D	Edible *
Butterfly Weed	Asclepias tuberosa	Org	July - Aug.	12 - 24"	FU - PU	M-D	Aggressive, Rhizomatous
Aromatic Aster	Aster oblongifolius	Vlt	Aug - Oct.	12 - 24"	FU - PU	DM-D	Rhizomatous **
Silky Aster	Aster sericeus	Pur	Sept. & Oct.	12 - 24"	FU - PU	DM-D	*
Wild Geranium	Geranium maculatum	Lav	May - July	12 - 24"	PS - PS	M-DM	*
Prairie Phlox	Phlox pilosa	Pnk	May - July	12 - 24"	FU - PU	WM-D	*
Pearly Everlasting	Anaphalis margaritacea	Wht	June - Sept.	12 - 36"	FU - PS	M-D	Rhizomatous, rapid growth
Tall Thimbleweed	Anemone virginiana	Wht	July - Aug.	12 - 36"	FU - PS	M-D	*
Wild Columbine	Aquilegia canadensis	R&Y	May - June	12 - 36"	FU - PS	M-D	Rhizomatous
Prairie Sage	Artemisia ludoviciana	Grn	Aug.& Sept.	12 - 36"	FU - PU	M-D	Biannual, Sandy soils
Heath Aster	Aster ericoides	Wht	Aug - Oct.	12 - 36"	FU - PU	M-D	*
Calico Aster	Aster lateriflorus	Wht	Aug - Oct.	12 - 36"	PS - PS	WM-DM	Good quick ground cover for semi-shade and shady restoration areas
White Prairie Clover	Dalea candida	Wht	June - Sept.	12 - 36"	FU - PU	M-D	*
Purple Prairie Clover	Dalea purpurea	Pur	July - Sept.	12 - 36"	FU - PU	M-D	*
Black Eyed Susan	Rudbeckia hirta	Yel	June - Oct.	12 - 36"	FU - PU	WM-D	Biannual *
Zig Zag Goldenrod	Solidago flexicaulis	Yel	Aug - Oct.	12 - 36"	PS - PS	W-DM	Aggressive
Heart-leaf Golden Alexander	Zizia aptera	Yel	May	12 - 36"	FU - PU	M-DM	**
Golden Alexanders	Zizia aurea	Yel	May - June	12 - 36"	FU - PU	WM-DM	**
Drummond's Aster	Aster drummondii	B/W	Sept. & Oct.	12 - 48"	FU - PU	WM-DM	Attractive blue-flowered aster
Sky Blue Aster	Aster oolentangiensis	Blue	Aug - Oct.	12 - 48"	FU - PU	M-D	Rhizomatous
Canada Milk-vetch	Astragalus canadensis	Crm	July - Aug.	12 - 48"	FU - PU	WM-DM	Rhizomatous
Grass Leaf Goldenrod	Euthamia graminifolia	Yel	July - Sept.	12 - 48"	FU - PU	W-D	Aggressive, Rhizomatous
Wild Blue Lupine	Lupinus perennis	Blue	July - Oct.	12 - 48"	FU - PU	DM-D	*
Large Flowered Bellwort	Uvularia grandiflora	Yel	May	12"	PS - FS	WM-DM	*
Alum Root	Heuchera richardsonii	Wht	May - July	12-18"	FU - PU	WM-D	**
Yarrow	Achillea millefolium	Wht	July - Oct.	18 - 30"	FU - PS	WM-DM	Aggressive, Rhizomatous
Cream Wild Indigo	Baptisia bracteata	Crm	May & June	18 - 30"	FU - PU	M-D	*
Prairie Coreopsis	Coreopsis palmata	Yel	July - Aug.	18 - 30"	FU - PU	M-D	Rhizomatous **
Cream Gentian	Gentiana alba	Crm	Aug.& Sept.	18 - 30"	FU - PU	WM-DM	*
White Snakeroot	Eupatorium rugosum	Wht	July - Oct.	18 - 36"	FU - PS	WM-DM	Aggressive
Pasque Flower	Anemone patens	Lav	May	2 - 14"	FU - PU	DM-D	Calcic *
Northern Bedstraw	Galium boreale	Wht	June & July	20 - 30"	FU - PS	W-DM	Rhizomatous **
Prairie Larkspur	Delphinium virescens	B/W	June & July	20 - 48"	FU - PS	DM-D	*
Thimbleweed	Anemone cylindrica	Wht	June & July	24 - 36"	FU - PS	M-D	*
Whorled Milkweed	Asclepias verticillata	Wht	July - Sept.	24 - 36"	FU - PU	M-D	Rhizome

## \* Ferns

Common Name	Species Name	Avg. Ht.	Light	Soil	Comments
Sensitive Fern	<i>Onoclea sensibilis</i>	18"	part sun to full shade	WM	Rhizomatous **
Leatherwood Fern	<i>Dryopteris marginalis</i>	20"	part to full shade	WM-M	Leathery, evergreen, dark green woodland fern *
Maidenhair Fern	<i>Adiantum pedatum</i>	24"	part to full shade	W-M	Rock loving, lime loving tiny fern, daintiest and one of the prettiest fern *
Cinnamon Fern	<i>Osmunda cinnamomea</i>	30"	full sun to full shade	W-M	Rhizomatous *
Royal Fern	<i>Osmunda regalis</i>	30"	full sun to full shade	W-M	Rhizomatous *
Toothed Wood Fern	<i>Dryopteris spinulosa</i>	30"	part to full shade	W-M	Rhizomatous *
Maidenhair Spleenwort	<i>Asplenium trichomanes</i>	30"	full sun to part shade	WM-M	Rhizomatous *
Lady Fern	<i>Athyrium felix-femina</i>	36"	part to full shade	WM-M	Rhizomatous *
Interrupted Fern	<i>Osmunda claytoniana</i>	39"	full sun to full shade	M	*
Ostrich Fern	<i>Matteuccia struthiopteris</i>	48"	part to full shade	W-M	Rhizomatous *

## Washburn County Grass and Grass Like Plant List

Path Rush	Juncus tenuis	Brown	June-July	2 - 14"	FU - PS	WM-D	Cool, Compacted soils **
Pennsylvania Sedge	Carex pensylvanica	Brown	June-July	6 - 12"	FU - SH	M-D	Cool season, Rhizomatous *
Long Beaked Sedge	Carex sprengei	Grn	June-July	12 - 24"	PU - PS	WM-DM	Cool **
June Grass	Koeleria macrantha (crispata)	Grn	June-July	12 - 24"	FU - PU	DM-D	Cool season, Sandy soils *
Kalm's Brome	Bromus kalmii	Grn	June-July	12 - 36"	FU - PS	WM-DM	Cool *
Fox Sedge	Carex vulpinoidea	Grn	May-June	12 - 36"	FU - PS	W-DM	Cool
Side Oats Grama	Bouteloua curtipendula	Red-Grn	July-Sept.	24 - 36"	FU - PU	M-D	Warm *
Bottlebrush Grass	Elymus hystrix ( <i>Hystrix patula</i> )	Grn	June-July	24 - 36"	FU - PS	M-DM	Cool *
Little Bluestem	Schizachyrium scoparium	Amber	July-Sept.	24 - 36"	FU - PS	M-D	Warm *
Sand Dropseed	Sporobolus cryptandrus	Purplish	Aug.-Oct.	24 - 36"	FU - PU	DM-D	Warm Season
Prairie Dropseed	Sporobolus heterolepis	Grn	Aug.-Oct.	24 - 48"	FU - PU	WM-D	Warm season, Aggressive, Rhizomatous
Porcupine Grass	Stipa spartea	Purplish	June-July	36 - 48"	FU - PU	DM-D	Warm *
Switch Grass	Panicum virgatum	Purplish	June-Oct.	36 - 60"	FU - PU	WM-D	Cool
Big Bluestem	Andropogon gerardii	Pur-Grn	July-Sept.	36 - 72"	FU - PS	WM-D	Warm **
Canada Wild Rye	Elymus canadensis	Grn	July-Aug.	36 - 72"	FU - PS	WM-D	Cool *
Indian Grass	Sorghastrum nutans	Amber	July-Sept.	36 - 72"	FU - PS	M-D	Warm *
Bottlebrush Sedge	Carex comosa	Grn	May-June	12 - 24"	FU - PU	W-WM	Cool *
Lance Fruit Oval Sedge	Carex scoparia	tan	May-June	6 - 30"	FU - PU	W-M	Cool **
Creeping Spikerush	Eleocharis palustris	Brown	June-July	12 - 24"	FU - PU	W-WM	Cool season, Rhizomatous
Sweet Grass	Hierochloe odorata	Grn	May-June	12 - 24"	FU - PS	W-M	Cool season, Aromatic, Rhizomatous, Aggressive
Torrey's Rush	Juncus torreyi	Brown	June-Aug.	12 - 24"	FU - PU	WM-M	Cool season, Rhizomatous *
Sweet Flag	Acorus calamus	Yel	July-Aug.	12 - 36"	FU - PU	W-WM	Rhizomatous
Porcupine Sedge	Carex hystricina	Grn	May-June	12 - 36"	FU - PU	W-WM	Cool Season *
Sand-bracted Sedge	Carex muhlenbergii	Grn	May-June	12 - 36"	FU - PS	D	Cool
Baltic Rush	Juncus balticus (arcticus )	Grn	June-July	12 - 36"	FU - PU	WM-M	Rhizomatous
Awl Fruit Sedge	Carex stipata	Grn	May-June	12 - 42"	FU - SH	W-M	Cool
Bebb's Sedge	Carex bebbii	Grn	May-June	24 - 36"	FU - PU	WM-M	Cool
Bladder Sedge	Carex intumescens	tan	May-June	24 - 36"	FU - PS	W-M	Cool season clump forming *
Hop Sedge	Carex lupulina	Grn	May-June	12 - 48"	FU - PS	W-WM	Cool Season *
Tussock Sedge	Carex stricta	Grn	May-June	12 - 48"	FU - PS	W-WM	Cool
Rattlesnake Manna Grass	Glyceria canadensis	Grn	July-Aug.	24 - 36"	FU - PS	W-WM	Cool
Small Fruited Bulrush	Scirpus microcarpus	Brown	June-July	24 - 36"	FU - PU	W-WM	Aggressive, Rhizomatous
Lake Sedge	Carex lacustris	Grn	May-June	24 - 42"	FU - PU	W-WM	Cool Season, Rhizomatous, Aggressive
Fringed Brome	Bromus ciliatus	Grn	June-July	24 - 48"	FU -SH	W-WM	Cool
Fowl Manna Grass	Glyceria striata	Grn	July-Aug.	12 - 60"	FU - PS	W-M	Cool
Soft Rush	Juncus effusus	Brown	July-Aug.	18 - 48"	FU - PU	W-M	Cool

## Washburn County Native Tree and Shrub List

Common Name	Species Name	Color	Flower	Height	Light	Soil	Comments
Dwarf Bush Blueberry	Vaccinium angustifolium	Wht	May to June	6-18"	FU - PS	WM-DM	Sandy soils with adequate moisture supports good growth, edible fruit
Black Huckleberry	Gaylussacia baccata	Wht	May to June	1-3'	FU - PS	WM-D	Edible spicy and sweet fruit
Dwarf Sandcherry	Prunus pumila	Wht	May to June	1-3'	FU - PU	WM-D	Sand *
New Jersey Tea	Ceanothus americanus	Wht	June to Aug	2 -3'	FU - PS	WM-D	Tap-rooted, do not try to transplant*
Prairie Red-Root	Ceanothus herbaceus (ovatus)	Wht	May to July	2 -3'	FU - PS	DM-D	Sand *
Dwarf Bush Honeysuckle	Diervilla lonicera	Yel	June to Sept	1-4'	PU - PS	DM-D	Great Plant for stablazing slopes in shady conditions, nice fall color
Short Prairie Rose	Rosa arkansana	Pnk	June to July	1-4'	FU - PU	WM-D	Aggressive, Rhizomatous
Pasture Rose	Rosa carolina	Pnk	June to July	1-4'	FU - PS	WM-D	Aggressive, Rhizomatous
Meadow Rose	Rosa blanda	Pnk	June to July	2-4'	FU - PU	M-D	Aggressive, Rhizomatous
Maple-leaf Viburnum	Viburnum acerifolium	Wht	June to July	3-5'	PU - PS	WM-D	Black Fruit
Black Chokeberry	Aronia melanocarpa	Wht	May	3-6'	FU - PU	W-DM	Rhizomatous, *
Canada Buffaloberry	Shepherdia canadensis	Wht	May to June	3-6'	FU - PS	M-D	Preferred nesting site for many songbirds, reddish berries
Downy Arrow-wood	Viburnum rafinesquianum	Wht	June	3-6'	FU - PS	WM-DM	*
Prairie Willow	Salix humilis	Wht	April to May	3-8'	FU - PU	M-D	Untypical, willow that grows on dry sites
Wild Elderberry	Sambucus canadensis	Wht	June to July	3-9'	FU - PS	WM-DM	Edible Fruit, Rhizomatous
Red Berried Elderberry	Sambucus pubens	Wht	May	4-8'	FU - PS	M-D	Poisonous to humans
Gray Dogwood	Cornus racemosa	White	May to July	6-8'	FU - PS	WM-D	Nice fall color, good food & nesting cover for birds.
Ninebark	Physocarpus opulifolius	Wht	May to June	7-11'	FU - PU	WM-DM	Maple like leaves, tough and easy*
Witch Hazel	Hammemalis virginiana	Yel	October	10-15'	PU - PS	WM-DM	Fall flowering shrub, attractive foliage*
Wild Plum	Prunus americana	Wht	May to June	10-20'	FU - PS	WM-DM	Edible, Rhizomatous
Staghorn Sumac	Rhus typhina (hirta)	Yel	June	8-30'	FU - PU	WM-D	Aggressive, Rhizomatous
Roundleaf Juneberry	Amelanchier sanguinea	Wht	May to June	15-20'	FU - PS	DM-D	* for sandy soils
Downy Serviceberry	Amelanchier arborea	Wht	April to May	15-25'	FU - PU	M-D	Flowers before leaves emerge, rounded crown, white flowers held in long racemes
Smooth Juneberry	Amelanchier laevis	Wht	April to May	15-25'	PU - PS	W-D	Orange-red Fall Color *, 5' to 10' wide, flowers after leave out
Pin Cherry	Prunus pennsylvanica	Wht	May to June	15-25'	FU -SH	WM-D	Red Fruit, Rhizomatous
Choke Cherry	Prunus virginiana	Wht	May to June	10-25'	FU - PS	M-D	Edible fruit; flowers fragrant, Rhizomatous
Mountain Maple	Acer spicatum	Wht	May to June	25-30'	FU - PS	M-D	Common understory shrub found in Washburn County
American Mountain Ash	Sorbus americana	Wht	June	15-30'	FU - PS	WM-DM	Broad flower clusters; orange fruit
Showy Mountain Ash	Sorbus decora	Wht	June	15-40'	FU - PS	WM-DM	Broad flower clusters; orange fruit
Red Cedar	Juniperus virginiana	NA	NA	20-50'	FU - PU	M-D	Maroon cast in fall and winter
Wild Black Cherry	Prunus serotina	Wht	June	30-70'	FU - PS	M-D	Edible fruit, purple-black peeling bark
Green Ash	Fraxinus pennsylvanica	Grn	May to June	50-60'	FU - PS	WM-DM	Fast growing; weak wood
Sugar Maple	Acer saccharum	Yel/Red	April to May	50-75'	FU - PS	M-DM	one of the best large shade trees
White Spruce	Picea glauca	NA	NA	50-75'	FU - PU	WM-DM	Pyramidal habit
Jack Pine	Pinus banksiana	NA	NA	to 60'	FU - PU	M-D	Interesting irregular form
White Oak	Quercus alba	Grn	June	to 75'	FU - PS	M-DM	Prized hardwood
Northern Pin Oak	Quercus ellipsoidalis	Grn	June	to 75'	FU - PS	M-D	Excellent for dry sandy soils
Bur Oak 1	Quercus macrocarpa	Grn	June	70-80'	FU - PU	M-D	Majestic tree
Northern Red oak	Quercus borealis (rubra)	Grn	June	to 80'	FU - PS	M-DM	Best oak for fall color