



Wildlife Habitat Nursery

1025 E. Hatter Crk. Rd. Princeton, ID. 83857
 e-mail wild@potlatch.com
 Phone 208-875-2500 Fax 208-875-8900
www.whn-online.com



Herbaceous

Common name	Scientific name	Symbol	Height	Hydrologic Regime	Hydrology Specifics	Location	Sun/ Shade	Growth Rate	Root Structure	Soil (Sand, Loam, Clay) Adaptation	pH	Salinity Tolerance	Wildlife/ Domestic Uses	Substitutions
Camas	Camas quamash	CAQU	2-4'	Seasonally-permanently flooded	wet soils- 10" water	Well drained, O-layer, forested areas, rocky outcrops, meadows or prairies	Light shade- full sun	Moderate	Stolon (Runners)	All	5.7-7.0	None	Ungulate forage, bulb eaten & transported by gophers.	
Bur-reed	Sparganium eurycarpum	SPEU	2-4'	Seasonally-permanently flooded	wet soils- 1.5' water	Shorelines of lakes, ponds, or low velocity streams	Light shade- full sun	Moderate	Rhizomatous	All	5.0-8.5	None	Forage and cover for wetland bird and mammal. Great soil & water filtration, removes heavy metals.	
Common Cattail	Typha latifolia	TYLA	5-7'	Seasonally-permanently flooded	wet soils- 30" water	Shallows of lakes, ponds and marshes	Full sun	Aggressive	Rhizomatous	All	4.0-12.0	Low	Provides forage and cover for wetland & upland birds. Moderate livestock palatability .	Softstem Bulrush
Smartweed	Polygonum bistortoides	POBI	1-2'	Seasonally-permanently flooded	wet soils- 10" water	Shallows and edges of lakes, ponds and marshes	Full sun	Moderate	Rhizomatous	Sand and Loam	6.5-8.0	None	Seed preferred forage for waterfowl, marsh birds and songbirds.	
(Creeping) Spike-Rush	Eleocharis palustris	ELPA	1-3'	Seasonally-permanently flooded	wet soils-3' water	Wet meadows, seeps, springs, lake & pond margins	Full sun	Moderate	Rhizomatous	Sand and Clay	4.0-8.0	Low	Grazed heavily by livestock and big game , provides forage and cover for waterfowl.	
Arrowhead/Wapato Duck Potato	Sagittaria latifolia	SALAT	1-3'	Temporarily-permanently flooded	wet soils- 1.5' water	Shallows of streams, lakes, ponds, marshes and forested seeps	Full sun	Moderate	Rhizomatous	Loam and Clay	6.0-6.5	None	Provides forage and cover for waterfowl, muskrats, beaver, deer & aquatic animal life. Great soil & water filtration.	
Alkali Bulrush	Scirpus maritimus	SCMA	1-3'	Seasonally-permanently flooded	damp soils-3' water	Transient wet spots, pond margins and backwater areas	Full sun	Moderate	Rhizomatous	All	6.0-9.0	High	Low palatability for livestock. Waterfowl utilize seed a use stems for cover. Muskrats & beaver use for forage and building material. Great soil & water filtration.	
Hardstem Bulrush	Scirpus acutus	SCAC	4-5'	Seasonally-permanently flooded	wet soil-1.5' water	Shorelines of lakes, ponds and marshes	Full sun	Moderate	Rhizomatous	All	5.2-8.5	Low	Medium palatability for livestock and browsing animals. Great forage and cover.	
Small-fruited Bulrush	Scirpus microcarpus	SCMI	2-5'	Seasonally-semi-permanently flooded	wet soil- 6" water	Shallows of streams and marshes	Full sun	Rapid	Rhizomatous	All	5.4-7.4	None	Low palatability for livestock. Seed provides forage for waterfowl, marsh birds and songbirds. Great soil & water filtration	
Softstem Bulrush	Scirpus validus	SCVA	4-5'	Seasonally-permanently flooded	damp soil- 10" water	Deep or shallows of shorelines of marshes, lakes, ponds. Likes poorly drained soils	Full sun	Rapid	Rhizomatous	All	5.4-7.5	Moderate	Provides cover and common forage for fish, birds, muskrats, beaver, raccoons, etc.	
Three-square Bulrush	Schoenoplectus pungens	SCPU	4-6'	Seasonally-permanently flooded	wet soil- 12" water	Shallows of streams, ponds and marshes	Full sun	Moderate	Rhizomatous	All	3.7-7.5	Moderate	Medium palatability for livestock and browsing animals. Small mammals and birds use for forage.	



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Woolgrass	Scirpus cyperinus	SCCY	3-5'	Intermittently exposed-permanently flooded	wet soil-3" water	Shorelines of marshes, wet meadows and swamps	Light shade- full sun	Moderate	Bunch	All	4.8-7.2	None	Medium palatability for livestock and browsing animals. Small mammals and birds use for forage.	
Baltic Rush	Juncus balticus	JUBA	1-3'	Intermittently exposed-semi-permanently flooded	damp soil- 3" water	Drier to seasonally fluctuating wetlands	Light shade- full sun	Rapid	Rhizomatous	Loam and Clay	6.0-9.0	High	Provides cover and forage for many mammal, avian and fish species. Great soil & water filtration.	
Colville's Rush	Juncus covillei	JUCO	3-10"	Intermittently exposed-semi-permanently flooded	damp- 1" water	Drier to seasonally fluctuating wetlands	Shade -part sun	Moderate	Bunch	Loam and Clay	4.5-6.0	None	Low palatability for livestock. Waterfowl and small mammals use seed for forage	
Common Rush	Juncus effusus	JUEF	1-4'	Seasonally-permanently flooded	wet soil- 6" water	Shorelines of marshes, wet meadows and swamps, prefers silty soil	Full sun	Moderate	Rhizomatous, Bunch	All	4.0-6.0	Low	Provides cover and forage for waterfowl, muskrats, non-game birds, moose and domestic livestock. Great soil and water filtration.	
Dagger-leaf Rush	Juncus ensifolius	JUEN	6"-1'	Seasonally-semi-permanently flooded	damp soil- 1" water	Shorelines of streams(stream point bars), ponds, marshes.	Light shade- full sun	Moderate	Rhizomatous	All	6.0-8.0	Moderate	Provides low to moderate palatability for browsing and grazing animals. Provides cover and seed forage for avian and small mammals	
Jointed Rush	Juncus articulatus	JUAR	6"-2'	Seasonally-semi-permanently flooded	wet soil- 3" water	Shorelines of streams, lakes and marshes	Light shade- full sun	Moderate	Rhizomatous	All	4.8-7.8	Low	Provides low to moderate palatability for browsing and grazing animals. Provides cover and seed forage for avian and small mammals	
Northern Rush	Juncus Arcticus	JUAR	2-4'	Intermittently exposed-permanently flooded	damp soil- 6" water	Shallows and edges of lakes and marshes. Needs soil dry down in each season.	Light shade- full sun	Rapid	Rhizomatous	Loam and Clay	6.0-9.0	High	Important cover and forage for avian species.	
Slender Rush	Juncus tenuis	JUTE	6"-1.5'	Seasonally-permanently flooded	damp soil- 3" water	Shorelines of streams, lakes and marshes, wet trails and paths	Light shade- full sun	Slow	Bunch	All	4.5-7.0	Low	Low palatability for livestock and browsing animals. Seeds provide forage for avian species.	
Beaked Sedge	Carex utriculata	CAUT	2-4'	Intermittently exposed-permanently flooded	damp soil- 3" water	Shorelines of streams, wet meadows and marshes	Full sun	Moderate	Rhizomatous	Loam and Clay	5.7-7.7	Low	Provides great forage for avian and ungulates in the spring. Fall or freezes make forage unpalatable. Great erosion control.	Inflated sedge, Water sedge
Big-leaf Sedge	Carex amplifolia	CAAM	2-4'	Seasonally-permanently flooded	wet soil- 6" water	Shallows and edges of streams, ponds, springs and marshes	Light shade- full sun	Moderate	Rhizomatous	Loam and Clay	5.0-8.0	Moderate	Provides forage and cover for birds and small mammals. Great erosion control.	Small-fruited bulrush
Inflated Sedge	Carex vesicaria	CAVE	1-2.5'	Seasonally-permanently flooded	wet soil- 3" water	Shallows and edges of streams, ponds, springs and marshes	Light shade- full sun	Moderate	Rhizomatous	All	4.5-7.5	Moderate	Provides forage and cover for birds. Tolerates forage for browsing and grazing animals with low to moderate grazing.	



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Lens Sedge	Carex lenticularis	CALE	1-1.5'	Seasonally-permanently flooded	wet soil- 1" water	Shorelines of lakes and ponds and in wet meadows and seeps	Light shade- full sun	Moderate	Rhizomatous, Bunch	Sand and Loam	4.7-6.8	None	Low palatability for livestock and browsing animals. Eaten by wildlife and domestics when other food is scarce. Sheep thrive on it. Moderately used by waterfowl, small nongame birds and small mammals.	
Naked Sedge	Carex Nudata	CANU	1-2.5'	Intermittently exposed-permanently flooded	damp soil- 1" water	Shallows and edges of streams, ponds, springs and marshes	Light shade- full sun	Slow	Bunch	Sand and Loam			Low palatability for livestock and browsing animals. Forage for waterfowl, marsh birds and songbirds.	
Nebraska Sedge	Carex Nebrascensis	CANE	1-3'	Intermittently exposed-permanently flooded	damp soil- 1" water	Shallows and edges of meadows, marshes, streams, seeps	Full sun	Moderate	Rhizomatous	All	5.7-7.4	Low	Low palatability for livestock and browsing animals. Provides cover and seed forage for birds and waterfowl.	
Sawbeaked Sedge	Carex Stipata	CAST	3-6'	Seasonally-permanently flooded	wet soil- 3" water	Shallows and edges of streams, ponds, springs and marshes	Light shade- full sun	Slow	Bunch	Loam and Clay	4.9-7.9	Low	Low palatability for livestock and browsing animals. Provides cover and seed forage for birds and waterfowl.	
Short-beaked Sedge	Carex simulata	CASI	1-2'	Seasonally-permanently flooded	wet soil- 6" water	Shallows and edges of streams, ponds, springs and marshes	Shade -part sun	Slow	Rhizomatous	Sand and Loam	6.0-7.5	Moderate	Low to moderate palatability for browsing and grazing animals. Provides cover and seed forage for avian and small mammals	
Slough Sedge	Carex obnupta	CAOB	2-3'	Seasonally-permanently flooded	wet soil- 6" water	Shallows and edges of streams, ponds, springs, inundated woods and marshes	Shade -part sun	Rapid	Rhizomatous	Loam and Clay	5.5-7.0	Moderate	Provides low to moderate palatability for browsing and grazing animals. Seed forage for marsh birds, game birds and songbirds. Beavers, otters and muskrats use for cover. Great erosion control, can be invasive in wet meadows.	
Small-winged Sedge	Carex microptera	CAMI	1-2'	Intermittently exposed-permanently flooded	damp soil- 3" water	Drier to seasonally fluctuating wetlands and meadows	Full sun	Slow	Bunch	Sand and Loam	5.6-7.4	None	Low palatability for livestock and browsing animals. Provides cover and seed forage for birds and waterfowl.	
Water Sedge	Carex aquatilis	CAAQ	2-3'	Permanently flooded	wet soil- 6" water	Shallows of marshes, lakes, ponds, streams and wet meadows	Full sun	Moderate	Rhizomatous, Bunch	Loam and Clay	4.0-7.5	None	Medium palatability for livestock and browsing animals. Important food source for waterfowl.	Beaked sedge
Wooly Sedge	Carex lanuginosa	CALA	2-3'	Intermittently exposed-permanently flooded	wet soil-6" water	Shallows and edges of streams, ponds, springs and marshes	Light shade- full sun	Slow	Rhizomatous, Bunch	All	5.5-8.5	Low	Low palatability for livestock and browsing animals. Seeds provide forage for many bird species.	
American Plum	Prunus americana	PRAM	8-15'	Seasonally-permanently flooded	damp soil- wet soil	Shorelines of streams, woodlands and pastures. Plant in well-drained soil	Full sun	Moderate	Single stem	Sand and Loam	5.0-7.0	Low	Palatable for humans, low palatability for grazing animals and medium palatability for browsing animals. Provides cover and seed forage for bird species. Good for windbreaks.	
Black Cottonwood	Populus trichocarpa	PORTI	90-120'	Intermittently exposed-permanently flooded	damp soil-1+ water	Shorelines of streams, lakes, springs, canyon bottoms	Full sun	Rapid	Single stem	All	5.5-8.0	Low	Medium palatability for domestic and browsing animals. Provides cover and food for many wildlife species including fish. Great erosion control and for windbreaks.	
Chokecherry	Prunus virginiana	PRVI	10-20'	Intermittently exposed-permanently flooded	dry soil- 1" water	Shorelines of streams, woodlands and pastures. Needs drained soils	Full sun	Rapid	Single stem, suckers	All	5.2-8.4	Low	Toxic leaves, stems and seeds. Toxic to livestock. Birds, rabbits, rodents, deer and bears seek out the non-toxic fruit. Great for windbreaks.	



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Woody

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Common Apple	Malus Pumila	MAPU	10-30'	Intermittently exposed-semi-permanently flooded	damp-wet soils	Shorelines of streams, woodlands and pastures	Full sun	Moderate	Multiple stem	Sand and Loam	5.0-7.5	Low	Palatable for humans, the fruit is eaten by songbirds and upland game. Used for windbreaks.	
Common Snowberry	Symphoricarpos albus	SYAL	2-6'	Seasonally-permanently flooded	damp soil- 6" water	Shorelines of streams, lakes, marshes, wet open forests and meadows. Likes clay soil	Light shade- full sun	Moderate	Rhizomatous	All	6.0-7.8	Moderate	Medium palatability for grazing and browsing species. Provides cover and forage for various birds and small mammals.	
Douglas Hawthorn	Crataegus douglasii	CRDO	5-25'	Seasonally-permanently flooded	wet soil- 1' water	Shorelines of streams and ponds, understory species. Likes moist clay	Light shade- full sun	Moderate	Thicket Forming	All	4.8-7.5	None	Medium palatability for grazing and browsing species. Provides cover and forage for various birds, small mammals and ungulates. Livestock readily eats leaves if accessible. Great for erosion control.	
Douglas Spirea	Spirea douglasii	SPDO	4-7'	Seasonally-permanently flooded	damp soils- 6" water	Shorelines of streams, marshes, wet meadow and meadows	Full sun	Moderate	Rhizomatous	Sand and Loam	5.5-7.7	None	Low palatability due to dense stands. Provides cover for various birds and forage for ungulates.	
Golden Current	Ribes aureum	RIAU	3-12'	Intermittently exposed-permanently flooded	dry - wet soil	Shorelines of streams and ponds, grasslands and woodlands	Light shade- full sun	Moderate	Rhizomatous	Loam	6.0-8.0	None	High palatability for grazing and browsing species. Provides great forage for songbirds, small mammals and ungulates.	
Idaho Hybrid Poplar	Populus, spp.	POID	40-80'	Seasonally-semi-permanently flooded	damp soil- 1" water	Shorelines of streams and ponds, grasslands and woodland clearings	Full sun	Rapid	Single stem	All	4.5-8.5	Moderate	Medium palatability for grazing and browsing animals. Provides great cover and forage for large and small mammals, birds and ungulates.	
Ninebark	Physocarpus malvaceus	PHMA	2-5'	Intermittently exposed-permanently flooded	dry soil- 3" water	Shorelines of streams in woodlands and on grasslands	Full sun	Rapid	Multiple stem	All	6.0-7.5	Low	Low palatability for grazing and browsing species. Provides minor forage for deer after grazed with livestock.	Service berry, Snowberry
Nootka Rose	Rosa Nutkana	RONU	3-6'	Intermittently exposed-permanently flooded	dry - wet soil	Shorelines of streams, wet and dry meadows, woodlands,	Light shade- full sun	Rapid	Thicket Forming	Loam and Clay	6.5-7.0	Low	Low palatability for grazing and browsing species. Rose hips and petals provide minor forage for deer and moose.	
Ocean-Spray	Holodiscus discolor	HODI	6-15'	Intermittently exposed-permanently flooded	damp soil- 6" water	Shorelines of streams, lakes, moist woodlands and dry rocky soils	Shade-full sun	Moderate	Multiple stem	All	5.0-7.5	None	Low palatability for grazing and browsing species. Provides forage to cattle deer, elk, rabbits and wood rats but not moose. Provides cover for numerous small birds and mammals and tree frogs. Good for erosion control.	
Quaking Aspen	Populus tremuloides	POTRe	30-80'	Intermittently exposed-permanently flooded	damp soil- 1' water	Shorelines of streams, springs, meadows, lakes and drier sites of scrub oak and sage	Full sun	Rapid	Single stem	All	4.3-9.0	Moderate	Medium palatability for grazing and browsing animals. Provides great cover and forage for large and small mammals, birds and ungulates.	
Red Alder	Alnus Rubra	ALRU	30-80'	Seasonally-permanently flooded	damp soil- 3" water	Shorelines of streams, springs and meadows, prefers moist, deep sandy loam	Full sun	Rapid	Single stem	All	4.3-7.3	None	Medium palatability for grazing and browsing animals. Seeds provide forage for ungulates, birds and small mammals. Provides cover for nesting birds and thermal cover for deer and other wildlife.	
Red-osier Dogwood	Cornus stolonifera	COST	6-15'	Seasonally-permanently flooded	wet soil-3" water	Shorelines of lakes and streams, swamps, forest openings, prefers poorly drained soils	Light shade- full sun	Rapid	Multiple stem, Stolon	All		Moderate	High palatability for grazing and browsing animals. Twigs, foliage and fruit provide forage for many birds, small and large mammals and ungulates. Provides cover for many songbirds, marsh birds and game birds. Used for	



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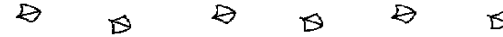


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Red stem Ceanothus	Ceanothus sanguineus	CESA	3-10'	Intermittently exposed-permanently flooded	damp soil- 1" water	Shorelines of lakes and streams, forest openings, low sloped, low O layer	Light shade- full sun	Slow	Multiple stem	Sand and Loam	6.5-8.0	None	Medium palatability for grazing and browsing animals. Provides fair cover for large ungulates, small mammals and nongame and game birds. Provides forage for many species especially elk and deer. Good for erosion control and acid mining spoils. Great for nitrogen fixation (post fire).	Serviceberry, Snowberry, Scouler willow
Rocky Mountain Maple	Acer Glabrum	ACGL	10-30'	Intermittently exposed-permanently flooded	dry soil- 3" water	Shorelines of streams, ponds, moist slopes and dry ridges. Likes well drained soils.	Light shade- full sun	Rapid	Multiple stem	Sand and Loam	5.8-7.5	Moderate	Medium palatability for grazing and browsing animals. Provides valued forage and cover for big game species especially in the winter as well as for game birds, songbirds and small mammals.	
Serviceberry	Amelanchier alnifolia	AMAL	10-20'	Intermittently exposed-semi-permanently flooded	dry- wet soil	Shorelines of springs, marshes, ponds, low grasslands and woodlands.	Light shade- full sun	Moderate	Multiple stem	All	4.8-8.4	Moderate	Low palatability for grazing and browsing animals. Provides cover for birds and forage for birds to big game species. Naturally occurring in disturbed sites.	
Sitka Alder	Alnus sinuata	ALSI	10-15'	Seasonally-permanently flooded	damp soil- 3" water	Shorelines of streams, ponds, woodlands, north slopes and minor understory	Full shade- full sun	Slow	Multiple stem	Sand and Loam	5.0-7.5	None	Low palatability for grazing and browsing animals. Provides cover for large and small wildlife, great for bears. Provides forage for muskrats, beavers, rabbits and birds. Great for erosion control, adaptable to bare mineral soil.	Rocky Mountain maple
Thinleaf Alder	Alnus incana	ALIN	10-30'	Seasonally-permanently flooded	wet soil- 3" water	Shorelines of streams, ponds, high flood tolerance on poorly developed soils. Can be an understory species.	Light shade- full sun	Rapid	Thicket Forming	All	5.0-7.0	None	Medium palatability for grazing and browsing animals. Provides cover for beaver. Provides forage for small mammals and big game animals and birds. Great for soil erosion and wind breaks	
Water Birch	Betula Occidentalis	BEOC	15-40'	Intermittently exposed-permanently flooded	damp soil- 6" water	Shorelines of streams and lakes, mountain canyons and coniferous forests	Light shade- full sun	Rapid	Multiple stem	All	5.5-7.8	None	Medium palatability for grazing and browsing animals. Provides forage for goats, sheep, deer, elk and birds. Great stream bank erosion, increases biodiversity.	
Arctic Blue Willow	Salix purpurea	SAPU	10-20'	Intermittently exposed-permanently flooded	damp- 3" water	Shorelines of streams, ponds, lakes, wet meadows.	Light shade- full sun	Rapid	Multiple stem	All	5.5-7.5	Low	Low palatability for grazing and browsing animals. Provides cover for small animals and nesting sites for birds. Provides forage for deer, beaver, rabbits and livestock. Susceptible to severe livestock browsing. Great for erosion control and bioengineering.	
Bebb Willow	Salix bebbiana	SABE	15-30'	Intermittently exposed-permanently flooded	damp soil-6" water	Shorelines of streams, open woods, drought tolerant	Full sun	Rapid	Multiple stem	All	5.5-7.5	None	Low palatability for grazing and browsing animals. Provides forage for rabbit, beaver, deer, moose and birds. Good for bank erosion, protects aquatic environments and increases biodiversity.	
Booth Willow	Salix boothii	SABO	10-20'	Intermittently exposed-permanently flooded	wet soil- 6" water	Shorelines of streams, ponds, wet meadows and swamps. Requires high water table	Light shade- full sun	Rapid	Multiple stem	All	5.5-8.0	None	High palatability for grazing and browsing species. Provides forage for deer, elk, moose, small animals, birds and cattle if not growing in a thick, dense stand. Provides forage and cover for many avian species. Great for erosion control.	



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Drummond Willow	<i>Salix drummondiana</i>	SADR	6-12'	Seasonally-permanently flooded	wet soil- 6" water	Shorelines of stream and wet meadows	Light shade- full sun	Rapid	Multiple stem	All	5.2-7.4	None	Medium palatability for grazing and browsing species. Provides forage for livestock, deer, elk game birds and wetland birds and heavily by moose. Provides cover various birds and is used as building material for beaver. Great for revegetation.	Bebb willow, Geyer willow, Thinleaf alder, Red-osier dogwood
Geyer Willow	<i>Salix Geyeriana</i>	SAGE	8-12'	Intermittently exposed-permanently flooded	wet soil- 6" water	Shorelines of streams, wet meadows and springs.	Light shade- full sun	Rapid	Thicket Forming	All	6.5-7.5	None	High palatability for grazing and browsing species. Provides forage for livestock, elk, moose, beaver, birds and other small mammals. Provides cover for small animals and various birds. Great for erosion control.	Bebb willow, Drummond willow
Golden Willow	<i>Salix alba var. vitellina</i>	SAAL	40-80'	Seasonally- permanently flooded	damp soil- 6" water	Shorelines of streams, wet meadows and springs.	Full sun	Rapid	Single Stem	All	4.5-7.8	Moderate	Moderate palatability for grazing and browsing species. Provides forage for livestock, deer, elk, moose, beaver and birds. Provides cover for birds.	
Lemmons Willow	<i>Salix Lemmonii</i>	SALE	8-20'	Intermittently exposed-permanently flooded	damp soil- wet soils	Shorelines of streams, wet meadows and low grasslands, near woodlands	Light shade- full sun	Rapid	Multiple stem	All	5.2-7.4	None	Moderate palatability for grazing and browsing species. Provides forage for livestock, deer, elk and beaver. Provides cover mammals, various birds and shade for salmonoids. Good for riparian revegetation.	
Mackenzie Willow	<i>Salix rigida var. mackenzieana</i>	SARI	8-20'	Seasonally-permanently flooded	wet soil- 3" water	Shorelines of streams, rivers, wet meadows and moist alluvial terraces	Full sun	Moderate	Single Crown	Sand	5.0-7.0	None	Low palatability for grazing and browsing animals. Provides forage for livestock, deer, elk, moose, beaver and birds. Provides thermal and hiding cover for various birds and wildlife. Good for streambank erosion.	
Pacific Willow	<i>Salix lasiandra</i>	SALA	10-30'	Intermittently exposed-permanently flooded	damp soil- wet soil	Shorelines of streams and rivers, floodplains, wet meadows and backwater	Full sun	Rapid	Thicket Forming	Sand and Loam	6.0-7.0	Low	Moderate palatability for grazing and browsing species. Provides forage and cover for deer, elk, moose, mouse and livestock. Great for soil erosion and windbreak rows.	
Peach-leaf Willow	<i>Salix amygdaloides</i>	SAAM	25-40'	Intermittently exposed-permanently flooded	damp soil- 1" water	Shorelines of streams and ponds, low woods and prairie sloughs	Full sun	Rapid	Multiple stem	Sand and Loam	6.0-8.0	None	Moderate palatability for grazing and browsing species. Provides forage and cover for small and large mammals, avian species and livestock. Great for soil erosion control.	
Sandbar Willow	<i>Salix exigua ssp. melanopsis</i>	SAEXm	6-12'	Seasonally-permanently flooded	wet soil- 3" water	Shallows and shorelines of streams and wet meadows	Light shade- full sun	Rapid	Multiple stem	Sand and Loam			Moderate palatability for grazing and browsing species. Provides forage and cover for deer, elk, moose, mouse and livestock. Great for soil erosion and windbreak rows.	
Coyote Willow	<i>Salix exigua ssp. Exigua</i>	SAEXex	15-25'	Seasonally-permanently flooded	damp soil- 3" water	Shorelines of streams, wet meadows and terrace deposits. Require gravel or sand	Light shade- full sun	Rapid	Rhizomatous	Sand and Loam	6.0-8.5	Low	Low palatability for grazing and browsing animals. Provides forage for livestock, deer, elk, moose, beaver and birds. Provides thermal and hiding cover for various birds and wildlife. Good for streambank erosion.	
Scouler Willow	<i>Salix scouleriana</i>	SASC	7-30'	Intermittently exposed-permanently flooded	dry soil- 3" water	Upland from riparian sites, streambank, gentle or moderate slopes	Light shade- full sun	Rapid	Multiple stem	All	6.5-8.0	Low	High palatability for grazing and browsing species. Provides forage for livestock, elk, moose, beaver, birds and other small mammals. Provides cover for small animals and various birds. Great for erosion control.	Quaking aspen, Black cottonwood, Water birch, Red-osier dogwood
Sitka Willow	<i>Salix sitchensis</i>	SASI	10-20'	Seasonally-permanently flooded	damp- wet soil	Shorelines of streams, wetlands, forest edges and clearings	Full sun	Rapid	Multiple stem	All	5.5-7.5	None	High palatability for grazing and browsing species. Provides forage for livestock, elk, moose, beaver, birds and other small mammals. Provides cover for small animals and various birds. Great for erosion control.	

References: United States. United States Department of Agriculture. Natural Resource Conservation Service. *PLANTS profile*. Web. 3-17 Jan. 2011.

United States. United States Forest Service. *Silvics Manual*. Web. 3-17 Jan. 2011.