

Table D-1. Rare Plant Species Known or Suspected in Okanogan County

Scientific Name	Common Name	State Status	Federal Status	USDA Forest Service Status	USDI BLM Status
<i>Agoseris elata</i>	Tall agoseris	Sensitive			Assessment
<i>Agrostis borealis</i>	Northern bentgrass	Sensitive		Sensitive	Assessment
<i>Aster sibiricus var meritus</i>	Arctic aster	Sensitive		Sensitive	Assessment
<i>Botrychium ascendens</i>	Triangular-lobed moonwort	Sensitive	Species of Concern	Sensitive	Assessment
<i>Botrychium crenulatum</i>	Crenulate moonwort	Sensitive	Species of Concern	Sensitive	Assessment
<i>Botrychium paradoxum</i>	Two-spiked moonwort	Threatened	Species of Concern	Sensitive	Sensitive
<i>Carex atrosquama</i>	Blackened sedge	Review		Sensitive	Tracking
<i>Carex capillaris</i>	Hair-like sedge	Sensitive		Sensitive	Assessment
<i>Carex chordorrhiza</i>	Cordroot sedge	Sensitive		Sensitive	Assessment
<i>Carex dioica</i>	Yellow bog sedge	Sensitive		Sensitive ¹	Assessment
<i>Carex eleocharis (C. Stenophylla)</i>	Narrow-leaved sedge	Sensitive		Sensitive	Assessment
<i>Carex heteroneura</i>	Different nerve sedge	Review		Sensitive	Tracking
<i>Carex magellanica ssp irrigua</i>	Poor sedge	Sensitive		Sensitive	Assessment
<i>Carex norvegica</i>	Scandinavian sedge	Sensitive		Sensitive	Assessment
<i>Carex scirpoidea var scirpoidea</i>	Canadian single-spike sedge	Sensitive		Sensitive	Assessment
<i>Carex sychnocephala</i>	Many-headed sedge	Sensitive		Sensitive	Assessment
<i>Carex tenuiflora</i>	Sparse-leaved sedge	Threatened		Sensitive	Sensitive
<i>Carex vallicola</i>	Valley sedge	Sensitive		Sensitive	Assessment
<i>Carex xerantica</i>	White-scaled sedge	Review		Sensitive	Tracking
<i>Chrysosplenium tetrandrum</i>	Northern golden-carpet	Sensitive		Sensitive	Assessment
<i>Crataegus phippsii</i>	Phipps' hawthorn	Review			Tracking
<i>Cryptantha spiculifera</i>	Snake river cryptantha	Sensitive			Assessment
<i>Cryptogramma stelleri</i>	Steller's rockbrake	Sensitive		Sensitive	Assessment
<i>Cypripedium parviflorum</i>	Yellow lady's-slipper	Threatened		Sensitive	Sensitive
<i>Draba aurea</i>	Golden draba	Sensitive		Sensitive	Assessment
<i>Draba cana</i>	Lance-leaved draba	Sensitive		Sensitive	Assessment
<i>Eleocharis rostellata</i>	Beaked spike-rush	Sensitive		Sensitive	Assessment
<i>Erigeron salishii</i>	Salish fleabane	Sensitive		Sensitive	Assessment
<i>Eriophorum viridicarinatum</i>	Green keeled cotton-grass	Sensitive		Sensitive	Assessment
<i>Eritrichium nanum var elongatum</i>	Pale alpine-forget-me-not	Sensitive		Sensitive	Assessment
<i>Gentiana glauca</i>	Glaucous gentian	Sensitive		Sensitive	Assessment
<i>Gentianella tenella</i>	Slender gentian	Sensitive		Sensitive	Assessment
<i>Geum rivale</i>	Water avens	Sensitive		Sensitive	Assessment
<i>Habenaria viridis var bracteata</i>	Long-bract frog orchid	Review			Tracking
<i>Hierochloe odorata</i>	Common northern sweet grass	Review			Tracking
<i>Impatiens aurella</i>	Orange balsam	Review			Tracking
<i>Mimulus patulus</i>	monkey flower			Not yet described but potential in WA	
<i>Mimulus pulsiferae</i>	Pulsifer's monkey-flower	Sensitive		Sensitive	Assessment
<i>Mimulus washingtonensis</i>	Washington monkey-flower	Pos Extirpated			

Table D-1. Rare Plant Species Known or Suspected in Okanogan County (continued)

Scientific Name	Common Name	State Status	Federal Status	USDA Forest Service Status	USDI BLM Status
<i>Opuntia fragilis</i>	Brittle prickly-pear	Review			Tracking
<i>Oxytropis campestris var gracilis</i>	Slender crazyweed	Sensitive		Sensitive	Assessment
<i>Packera porteri</i>	Porter's butterweed	Review			Tracking
<i>Parnassia kotzebuei</i>	Kotzebue's grass-of-parnassus	Sensitive		Sensitive	Assessment
<i>Platanthera obtusata</i>	Small northern bog-orchid	Sensitive		Sensitive	Assessment
<i>Poa arctica ssp arctica</i>	Gray's bluegrass	Review			Tracking
<i>Polemonium viscosum</i>	Skunk polemonium	Sensitive		Sensitive	Assessment
<i>Potamogeton filiformis var occidentalis</i>	Western fineleaf pondweed	Review			Tracking
<i>Potentilla diversifolia var perdissecta</i>	Diverse-leaved cinquefoil	Sensitive		Sensitive	Assessment
<i>Potentilla nivea</i>	Snow cinquefoil	Sensitive		Sensitive	Assessment
<i>Potentilla quinquefolia</i>	Five-leaved cinquefoil	Threatened		Sensitive	Sensitive
<i>Rubus acaulis</i>	Nagoonberry	Threatened		Sensitive	Sensitive
<i>Salix glauca</i>	Glaucous willow	Sensitive		Sensitive	Assessment
<i>Salix tweedyi</i>	Tweedy's willow	Sensitive		Sensitive	Assessment
<i>Sanicula marilandica</i>	Black snake-root	Sensitive		Sensitive	Assessment
<i>Saxifraga cernua</i>	Nodding saxifrage	Sensitive		Sensitive	Assessment
<i>Saxifraga rivularis</i>	Pygmy saxifrage	Sensitive			Assessment
<i>Scutellaria angustifolia ssp micrantha</i>	Narrowleaf skullcap	Review			Tracking
<i>Silene douglasii var monantha</i>	Douglas' silene	Review			Tracking
<i>Sisyrinchium septentrionale</i>	Blue-eyed grass	Sensitive		Sensitive	Assessment
<i>Spiranthes diluvialis</i>	Ute ladies' tresses	Endangered	Listed Threatened	Sensitive	Sensitive
<i>Spiranthes porrifolia</i>	Western ladies-tresses	Sensitive		Sensitive	Assessment
<i>Trimorpha elata</i>	Tall bitter fleabane	Sensitive		Sensitive	Assessment
<i>Utricularia minor</i>	Lesser bladderwort	Review			Tracking
<i>Vaccinium myrtilloides</i>	Velvet-leaf blueberry	Sensitive		Sensitive	Assessment

1/Forest Service tracks as *C. dioica* var. *gynocrates*

Description of Rank Codes

State Status of the species is determined by the Washington State Department of Fish and Wildlife. Factors considered include abundance, occurrence patterns, vulnerability, threats, existing protection, and taxonomic distinctness.

Endangered = In danger of becoming extinct or extirpated from Washington.

Threatened = Likely to become Endangered in Washington.

Sensitive = Vulnerable or declining and could become Endangered or Threatened in the state.

Review = Of potential concern but needs either more field work or has unresolved taxonomic questions

Federal Status under the U.S. Endangered Species Act as published in the Federal Register:

Listed Endangered = In danger of extinction.

Listed Threatened = Likely to become endangered.

Species of Concern = An unofficial status, the species appears to be in jeopardy, but insufficient information to support listing.

US Department of the Interior Bureau of Land Management

Bureau Sensitive species are WA State Threatened and Endangered species

Bureau assessment species are WA State Sensitive species

Bureau tracking species are WA State Monitor species

US Department of Agriculture Forest Service

Sensitive =

Sources: Washington Natural Heritage Information System. List of Known Occurrences of Rare Plants in Okanogan County. Revised April 2004. Available on line: <http://www.dnr.wa.gov/nhp/refdesk/lists/plantsxco/okanogan.html> Accessed 8/24/2004.

Table D-2. Scientific Names of Plants included in the EIS

Common Name	Scientific Name
alder, slide	<i>Alnus sinuata</i>
aspen, quaking	<i>Populus tremuloides</i>
bearberry	<i>Arctostaphylos uva-ursi</i>
bitterbrush, antelope	<i>Pursia tridentata</i>
bluegrass, bulbous	<i>Poa bulbosa</i>
cheatgrass	<i>Bromus tectorum</i>
conyza	<i>Conyza canadensis</i>
cottonwood, black	<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>
currant species	<i>Ribes</i>
Douglas-fir	<i>Pseudotsuga menziesii</i>
Fescue, Idaho	<i>Festuca idahoensis</i>
fir, subalpine	<i>Abies lasiocarpa</i>
huckleberry species	<i>Vaccinium</i>
larch, western	<i>Larix occidentalis</i>
mustard, blue	<i>Chorispora tenella</i>
mustard, Jim Hill	<i>Sisymbrium altissimum</i>
needle-and-thread grass	<i>Heterostipa</i> or <i>Stipa</i> species
ninebark	<i>Physocarpus malvaceus</i>
pachistima	<i>Paxistima myrsinites</i>
pine, lodgepole	<i>Pinus contorta</i>
pine, ponderosa	<i>Pinus ponderosa</i>
pinegrass	<i>Calamagrostis rubescens</i>
prickly-pear, brittle	<i>Opuntia fragilis</i>
sagebrush, big	<i>Artemisia tridentata</i>
sagebrush, three-tip	<i>Artemisia tripartita</i>
scotch thistle	<i>Onopordum acanthium</i>
serviceberry	<i>Amelanchier alnifolia</i>
snowberry	<i>Symphoricarpos albus</i>
spruce, Engelmann	<i>Picea engelmannii</i>
sweetclover, white	<i>Melilotus albiflorus</i>
wheatgrass, bluebunch	<i>Pseudoroegneria spicata</i>

Table D-3. Noxious Weeds Potentially Occurring in Okanogan County

Scientific Name	Common Name	State Class	Okanogan County Class
<i>Abutilon theophrasti</i>	velvetleaf	A	A
<i>Acroptilon repens (Centaurea repens)</i>	Russian knapweed	B	BCr
<i>Alhagi maurorum</i>	camelthorn	B3	B
<i>Alliaria petiolata</i>	garlic mustard	A	A
<i>Alopecurus myosuroides</i>	blackgrass	B3	B
<i>Amorpha fruticosa</i>	indigobush	B3	B
<i>Anchusa arvensis</i>	annual bugloss	B3	B
<i>Anchusa officinalis</i>	common bugloss	B3	B
<i>Anthriscus sylvestris</i>	wild chervil	B3	B
<i>Berterea incana</i>	alyssum hoary	B3 ¹	Bd ⁴
<i>Cardaria</i> spp.	white top/hoary cress		BCr
<i>Bryonia alba</i>	white bryony	B3	B
<i>Cabomba caroliniana</i>	fanwort	B3	B
<i>Carduus acanthoides</i>	plumeless thistle	B3	B
<i>Carduus nutans</i>	musk thistle	B3	New Inv, Bd
<i>Carduus pycnocephalus</i>	Italian thistle	A	A
<i>Carduus tenuiflorus</i>	slenderflower thistle	A	A
<i>Cenchrus longispinus</i>	longspine sandbur	B3	BCr
<i>Centaurea calcitrapa</i>	purple starthistle	A	A
<i>Centaurea diffusa</i>	diffuse knapweed	B	BCs, BCr ⁵
<i>Centaurea jacea</i>	brown knapweed	B3	B
<i>Centaurea jacea x nigra</i>	meadow knapweed	B3	B
<i>Centaurea macrocephala</i>	bighead knapweed	A	A
<i>Centaurea nigra</i>	black knapweed	B3	B
<i>Centaurea nigrescens</i>	Vochin knapweed	A	A
<i>Centaurea solstitialis</i>	yellow starthistle	B3	New Inv
<i>Centaurea stoebe</i> spp <i>micranthus</i> (<i>C. maculosa</i> , <i>C. biebersteinii</i>)	spotted knapweed	B3	B
<i>Cirsium arvense</i>	canada thistle		BCs
<i>Crupina vulgaris</i>	common crupina	A	A
<i>Cynoglossum officinale</i>	houndstongue		BCr
<i>Cyperus esculentus</i>	yellow nutsedge	B3	B
<i>Cytisus scoparius</i>	Scotch broom	B3	B
<i>Daucus carota</i>	wild carrot	B3 ³	B
<i>Echium vulgare</i>	blueweed	B3	B
<i>Egeria densa</i>	Brazilian elodea	B3	B
<i>Euphorbia esula</i>	leafy spurge	B3	Bd
<i>Euphorbia oblongata</i>	eggleaf spurge	A	A
<i>Galega officinalis</i>	goatsrue	A	A
<i>Geranium robertianum</i>	herb-Robert	B3	B
<i>Gypsophila paniculata</i>	babysbreath		BCs
<i>Helianthus ciliaris</i>	Texas blueweed	A	A
<i>Heracleum mantegazzianum</i>	giant hogweed	A	A
<i>Hieracium atratum</i>	polar hawkweed	B3	B
<i>Hieracium aurantiacum</i>	orange hawkweed	B3	New Inv
<i>Hieracium caespitosum</i>	yellow hawkweed	B3	New Inv
<i>Hieracium floribundum</i>	yellow devil hawkweed	A	A
<i>Hieracium glomeratum</i>	Queen- devil hawkweed	B3	B
<i>Hieracium laevigatum</i>	smooth hawkweed	B3	B
<i>Hieracium pilosella</i>	hawkweed mouseear	B3	B
<i>Hydrilla verticillata</i>	hydrilla	A	A

Table D-3. Noxious Weeds Potentially Occurring in Okanogan County (continued)

Scientific Name	Common Name	State Class	Okanogan County Class
<i>Hypericum perforatum</i>	St. Johnswort	C	BCr
<i>Hypochaeris radicata</i>	catsear, common	B3	B
<i>Impatiens glandulifera</i>	helmet, policeman's	B	B
<i>Isatis tinctoria</i>	woad, dyers	A	A
<i>Kochia scoparia</i>	kochia		BCs
<i>Lepidium latifolium</i>	pepperweed, perennial	B3	B
<i>Lepyroclis holosteoides</i>	lepyroclis	B3	B
<i>Leucanthemum vulgare</i>	oxeye daisy	B	New Inv
<i>Linaria dalmatia ssp. dalmatia</i>	dalmatian toadflax	B3 ¹	New Inv, Bd
<i>Linaria vulgaris</i>	yellow toadflax	C	New Inv, BCr
<i>Ludwigia hexapetala</i>	water primrose	B3	B
<i>Lysimachia vulgaris</i>	garden loosestrife	B3	B
<i>Lythrum salicaria</i>	purple loosestrife	B3 ²	B
<i>Lythrum virgatum</i>	wand loosestrife	B3 ²	B
<i>Mirabilis nyctaginea</i>	wild four o' clock	A	New Inv
<i>Myriophyllum aquaticum</i>	parrotfeather	B3	B
<i>Nymphoides peltata</i>	yellow floating heart	B3	B
<i>Onopordum acanthium</i>	Scotch thistle	B3	New Inv, Bd
<i>Picris hieracioides</i>	hawkweed oxtongue	B3	B
<i>Polygonum cuspidatum</i>	Japanese knotweed	B	New Inv
<i>Potentilla recta</i>	sulfur cinquefoil	B3	BCr
<i>Pueraria montana var. lobata</i>	kudzu	A	A
<i>Rorippa austriaca</i>	Austrian fieldcress	B3	B
<i>Salsola tragus (S. iberica)</i>	Russian thistle		BCs
<i>Salvia aethiopis</i>	Mediterranean sage	A	A
<i>Salvia pratensis</i>	meadow clary	A	A
<i>Salvia sclarea</i>	clary sage	A	A
<i>Senecio jacobaea</i>	tansy ragwort	B3	New Inv
<i>Silybum marianum</i>	milk thistle	A	A
<i>Solanum elaeagnifolium</i>	silverleaf nightshade	A	A
<i>Solanum rostratum</i>	buffalobur	A	A
<i>Soliva sessilis</i>	lawnweed	A	A
<i>Sonchus arvensis spp. arvensis</i>	perennial sowthistle	B3	BCr
<i>Sorghum halepense</i>	johnsongrass	A	A
<i>Spartina alterniflora</i>	smooth cordgrass	B3	B
<i>Spartina anglica</i>	common cordgrass	B3	B
<i>Spartina patens</i>	salt meadow cordgrass	A	A
<i>Spartium junceum</i>	Spanish broom	A	A
<i>Sphaerophysa salsula</i>	swainsonpea	B3	B
<i>Tamarix ramosissima</i>	saltcedar	B3	B
<i>Thymelaea passerina</i>	spurge flax	A	New Inv
<i>Torilis arvensis</i>	hedgearsley	B3	B
<i>Tribulus terrestris</i>	puncturevine		BCs
<i>Ulex europaeus</i>	gorse	B3	B
<i>Verbascum thapsus</i>	mullein		BCs
<i>Xanthium spinosum</i>	cocklebur	C	BCs
<i>Zygophyllum fabago</i>	Syrian bean-caper	A	A

1\In portions of Okanogan County

2\Except within 100 Ft of the Okanogan River From the Canadian boarder south of Riverside

3\Except where intentionally cultivated

4\County: (Except east of Okanogan River to Ferry County)

5\County class varies by area

Sources: Washington State Noxious Weed Control Board, Okanogan County Weed Control Board

Table D-3. Noxious Weeds Potentially Occurring in Okanogan County (continued)

Washington State Class Definitions

- A:** Class A weeds are non-native species with a limited distribution in the state. Therefore eradication of all Class A weeds is required by state law.
- B:** These species are established in some regions of Washington, but are of limited distribution or not present in other regions of the state. Because of differences in distribution, treatment of Class B weeds varies between regions of the state. Class B species are designated, by region, as either control required by state law or optional control. Those species designated as required control in Region 3 (includes the project area) are labeled Class B3.
- B3:** Class B designated for control for Region 3. Region 3 includes: 1) All lands lying within the boundaries of Okanogan County and 2) All lands lying within the boundaries of Chelan and Douglas Counties and north of Highway 2. The Region 3 Counties must work to control the B-Designates for Region 3 from the State Noxious Weed List
- C:** Each species is already widely established in Washington or is of special interest to the state's agricultural industry. Placement on the state noxious weed list allows counties to enforce control if locally desired.

Okanogan County Class Definitions

- A:** The county board adopted by reference species listed as Class A by the Washington State Noxious Weed Board.
- B:** The County board adopted by reference other species listed by the Washington State Noxious Weed Control Board as B-Designate species in Okanogan County.
- Bd:** Class B-designated control species have been designated for control by the county. Control is defined as the prevention of all seed production within a single program year. With the eventual aim being a reduction of the total acreage of the plant to a point where eradication is deemed possible.
- BCd:** Control is defined as the prevention of all seed production within a single program year. With the eventual aim being a reduction of the total acreage of the plant to a point where eradication is deemed possible. In addition to the species listed below are present in the County. The board shall adopt by reference other species listed by the Washington State Noxious Weed Control Board as B-Designate species in Okanogan County.
- BCr:** Weeds listed in this category are too widespread to be immediately controlled or eradicated Countywide. Currently Diffuse Knapweed is classified as a reduction species in Okanogan County. Landowners with one or more of these species present on their property should concentrate their initial reduction efforts in high-priority areas such as roadways, driveways and property boundaries.
- BCs:** Weeds listed in this category are so widely disseminated that prevention of seed production within a single season is not practical. Nonetheless the species in the category
- New Inv:** Those Noxious Weeds that have not been recognized by the State Weed Board as being a Class A Weed, that are new and/or established, which pose a very serious threat. The Okanogan County Noxious Weed Control Board reserves the right to develop and/or coordinate a control program on these weeds and could utilize enforcement actions as outlined in RCW 17.10 for mandatory control.
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References

Okanogan County Weed Control Board. Weed Lists. Available on-line
http://okanogancounty.org/nw/Weed_Lists.htm. Accessed 8/13/04.

Washington State Noxious Weed Control Board, 2004. Washington State Noxious Weed Lists.
Available on-line: <http://www.nwcb.wa.gov/>. Last updated 3/1/04. Accessed 8/13/04.