

APPENDIX D

SSSA Species

D1. Special Attention/Special Status Plants Searched for in the LNS Watershed

SPECIES & STATUS	HABITAT	ELEVATION (FT)	BEST I.D. SEASON
FEDERAL ENDANGERED (FE)			
<i>LOMATIUM BRADSHAWII</i> (Rose) Math. & Const. Bradshaw's lomatium	WV Linn, Mari WET MEADOWS GRAVELLY STREAMBEDS	<750	APRIL-MAY
FEDERAL THREATENED (FT)			
<i>HOWELLIA AQUATILLIS</i> A. Gray howellia	WV Clac, Mari, Mult SHALLOW PONDS & MARSHES	<200	MAY
<i>SIDALCEA NELSONIANA</i> Piper Nelson's sidalcea	WV Linn, Mari	<2000	JUNE-JULY
FEDERAL PROPOSED THREATENED (PT)			
<i>CASTILLEJA LEVISECTA</i> Greenm. golden paintbrush	WV Linn, Mari, Mult WET OR VERNALLY WET MEADOWS	<1000	APRIL-AUGUST
FEDERAL CATEGORY 1 CANDIDATES (FC1)			
<i>DELPHINIUM PAVONACEUM</i> Ewan peacock larkspur	WV clac, Mari, mult	<1500	MAY-JUNE
<i>ERIGERON DECUMBENS</i> Nutt. VAR. <i>DECUMBENS</i> Willamette daisy	WV Clac, Linn, Mari GRASSLANDS	<1000	JUNE-EARLY JULY
BUREAU SENSITIVE (BS)			
<i>ASTER CURTUS</i> Cronq. white-topped aster	WV Clac. Linn, Mari, Mult.		
<i>ASTER GORMANII</i> (Piper) Blake Gorman's Aster	WC Clac, Linn, Mari OPEN OR SPARSLEY TIMBERED, ROCKY RIDGETOPS & MEADOWS	>3500	LATE JULY- AUGUST
<i>CIMICIFUGA ELATA</i> Nutt. tall bugbane	WV, WC, Clac, Linn, Mari, Mult MOIST WOODS	<2000	JUNE-MID JULY
<i>CORYDALIS AQUAE-GELIDAE</i> Peck & Wilson cold-water corydalis	WC Clac, Linn, Mari, Mult COLD SPRINGS & STREAMS	>1000	MID JUNE-JULY

SPECIES & STATUS	HABITAT	ELEVATION (FT)	BEST LD. SEASON
<i>DELPHINIUM LEUCAPHAEUM</i> Greene white rock larkspur	WV Clac, Mari, Mult	<1000	MAY-EARLY JUNE
<i>DELPHINIUM OREGANUM</i> How. Willamette Valley larkspur	WV Linn, Mari	LOW	
<i>HORKELIA CONGESTA</i> Douglas ssp. <i>CONGESTA</i> shaggy horkelia	WV Linn OPEN SANDY OR ROCKY FLATS TO OPEN WOODS	LOW	APRIL-JUNE
<i>LUPINUS SULPHUREUS</i> Douglas ssp. <i>KINKAIDII</i> (Smith) Phillips Kincaid's lupine	WV Linn, Mari WILLAMETTE VALLEY	<1500	MAY-JULY
<i>MONTIA HOWELLII</i> S. Watson Howell's montia	WV, WC Clac, Linn, Mult ROCKY RIVER BANKS ESP. IN DISTURBED SITES	<2500	APRIL-EARLY MAY
<i>OXYPORUS NOBILISSIMUS</i> W.B. Cooke giant polypore fungus, fuzzy sandozi	WC Clac, Linn OLD GROWTH NOBLE FIR		
<i>ROMANZOFFIA THOMPSONII</i> Marrala ined. Thompson's mistmaiden	WC Linn, Mari SEEPY ROCK WALLS WITH FULL SUNLIGHT	>2600	APRIL-EARLY MAY
ASSESSMENT SPECIES (AS)			
<i>BOTRYCHIUM MINGANENSE</i> Vict. gray moonwort	WC Linn		
<i>BOTRYCHIUM MONTANUM</i> W.H. Wagner mountain grape-fern	WC Linn, Mari		
<i>CALAMAGROSTIS BREWERI</i> Thurb. Brewer's reedgrass	WC Clac, Mari STREAMBANKS, LAKE MARGINS, & MOIST MEADOWS	>4000	
<i>CICENDIA QUADRANGULARIS</i> (Lim.) Griseb (<i>Microcala quadrangularis</i>) timwort	WV Linn MARSHY MEADOWS	300-1700	MAY-JUNE
<i>HUPERZIA OCCIDENTALIS</i> (Clute) Beitel (<i>Lycopodium selago</i>) fir club-moss	WC Clac, Linn, Mari DENSE MOIST WOODS HUMID AREAS EXPOSED CLIFFS & TALUS	>1000	JULY-AUGUST
<i>HYPOGYMNIA OCEANICA</i> Goward lichen	WC Mari		

SPECIES & STATUS	HABITAT	ELEVATION (FT)	BEST I.D. SEASON
<i>LOPHOZIA LAXA</i> (Lindb.) Grolle liverwort	WC Linn		
<i>LYCOPODIELLA INUNDATA</i> (L.) Holub (<i>Lycopodium inundatum</i>) bog club-moss	WC Clac, Linn SPHAGNUM BOGS MUDDY ELK WALLOWES	>3000	
<i>LYCOPODIUM COMPLANATUM</i> L. ground cedar	WC Clac, Mari, Mult MOIST FORESTS	>3000	
<i>MIMULUS TRICOLOR</i> Hartw. Ex Lindl. three-colored monkeyflower	WV Linn, Mari VERNAL POOLS FLOODPLAINS	<1000	MAY - JUNE
<i>NEPHROMA OCCULTUM</i> Wetm. Lichen	WC Clac, Linn		
<i>OPHIGLOSSUM PUSSILUM</i> Raf. (<i>O. vulgatum</i>) L. misapplied adder's tongue	WC Clac, Linn WET MEADOWS BOGS	2000	
<i>PANNARIA RUBIGINOSA</i> (Ach.) Bory lichen	WC Mari		
<i>POLYSTICHUM CALIFORNICUM</i> (D.C. Eat.) Diels California sword-fem	WC Linn BASE OF CLIFFS & OUTCROPS IN SHADE	MID	
<i>SCHEUZERIA PALUSTRIS</i> L. Var. AMERICANA Fern. scheuchzeria	WC Clac, Linn, Mari BOGS LAKE MARGINS	3400-4000	JUNE-JULY
<i>STEREOCAULON SPATHULIFERUM</i> Vainio lichen	WC Linn		
<i>STREPTOPUS STREPTOPOIDES</i> (Ledeb.) Frye & Rigg krushea	WC Clac, Mult		
<i>TAYLORIA SERRATA</i> (Hedw.) Bruch & Schimp. In B.S.G. moss	WV, WC Clac, Mari WETLANDS		
<i>WOLFFIA COLUMBIANA</i> Carst. Columbia water-meal	WV, WC Clac, Linn, Mult		

SPECIES & STATUS	HABITAT	ELEVATION (FT)	BEST I.D. SEASON
TRACKING SPECIES (TS)			
<i>ALLIUM CAMPANULATUM</i> S. Watson Sierra onion	WC Linn DRY SOILS	HIGH	JUNE-JULY
<i>ARABIS FURCATA</i> S. Watson cascade rockcress	WC Clac, Mari CLIFFS, TALUS ALPINE & SUBALPINE MEADOWS	MID-HIGH	MAY-JULY
<i>BERGIA TEXANA</i> (Hook.) Seub. Texas bergia	WV Mult		
<i>CASTILLEJA RUPICOLA</i> Piper cliff paintbrush	WC Linn, Mari, Mult CREVICES IN ROCKS	>500	JUNE-AUGUST
<i>CYPERUS ACUMINATUS</i> Torr. & Hook short-pointed cyperus	WV Linn		
<i>CYPERUS SCHEINITZII</i> Torr. Schweinitz cyperus	WV? Mult?		
<i>CYPRIPEDIUM MONTANUM</i> Douglas mountain lady's-slipper	DRY TO FAIRLY MOIST, OPEN TO SHRUB- OR FOREST- COVERED VALLEYS OR MOUNTAIN SIDES.	LOW-MID	MAY-AUGUST
<i>DOUGLASIA LAEVIGATA</i> A.Gray smooth-leaved douglasia	WC Clac, Mari, Mult, Linn ROCK CREVICES ON WET CLIFFS	MID-HIGH	JUNE-JULY
<i>ELMERA RACEMOSA</i> (S. Watson) Rydb. VAR. <i>PUBERULENTA</i> C.L. Hitchc. hairy elmera	WC Linn ROCKY PLACES	>5000	AUGUST
<i>ELODEA NUTTALLII</i> (Planchon) H. St. John Nuttall's waterweed	WV, WC Mult		
<i>EPILOBIUM LATIFOLIUM</i> L. broad-leaved willow-herb	WC Linn		
<i>EPILOBIUM LUTEUM</i> Pursh yellow willow-herb	WC Clac, Linn		
<i>ERIGERON CASCADENSIS</i> Heller cascade daisy	WC Linn, Mari	MID-HIGH	JUNE-JULY
<i>EUONYMUS OCCIDENTALIS</i> Torr. Western wahoo	WV, WC Clac, Mult		
<i>GYMNOMITRION CONCINNATUM</i> (lightf.) Corda liverwort	WC Mult		

SPECIES & STATUS	HABITAT	ELEVATION (FT)	BEST I.D. SEASON
<i>HERBERTUS ADUNCUS</i> (Dicks.) S.F. Gray liverwort	WC Mult		
<i>HETERANTHERA DUBIA</i> (Jacq.) MacMill. Water star-grass	WV Mult.		
<i>HIERACIUM CANADENSE</i> Mischx. Canadian hawkweed	WV Mult		
<i>HIERACIUM LONGIBERBE</i> How. Long-bearded hawkweed	WC Mult		
<i>HYPOGYMNA DUPLICATA</i> (SM. Ex Ach.) Rass. lichen	WC Mult		
<i>ISOPYRUM STIPITATUM</i> A. Gray dwarf isopynum	WV Mari CASCADES SHADY PLACES	LOW-MID	FEBRUARY- MAY
<i>JUNCUS KELLOGGII</i> Engelm. Kellogg's dwarf rush	WV Mari DAMP OR WET PLACES FROM OPEN FIELDS TO MONTANE MEADOWS AT MID ELEVATIONS	LOW-MID	APRIL-JULY
<i>JUNCUS TORREYI</i> Cov. Torrey's rush	WV Mult.		
<i>LATHYRUS HOLOCHLORUS</i> (Piper) C.L. Hitchc. thin-leaved peavine	WV Clac, Linn, Mari WILLAMETTE VALLEY FENCEROWS LOAMY, MOIST SOIL	<1500	JUNE
<i>LECIDEA DOLODES</i> Nyl. lichen	WC Linn		
<i>LYCOPODIUM ANNOTINUM</i> L., stiff club-moss	WC Clac, Mari, Mult SPHAGNUM HUMMOCKS IN MOIST SHADY BOGS	MID	JULY-AUGUST
<i>MERTENSIA BELLA</i> Piper Oregon bluebells	WC Linn, Mari		
<i>MIMULUS PULSIFERAE</i> A. Gray candelabrum monkeyflower	WV Linn BARS ALONG STREAMS		APRIL-JUNE
<i>MONTIA DIFFUSA</i> (Nutt.) Greene branching montia	WV, WC Clac, Linn, Mari, Mult MOIST WOODS RECENTLY BURNED AREAS	<3500	APRIL-JULY
<i>MYRICA GALE</i> L. Sweet gale	WC, Mult		
<i>PARVISEDUM PUMILUM</i> (Benth.) Clausen sierra mock-stonecrop	WV Mult?		

SPECIES & STATUS	HABITAT	ELEVATION (FT)	BEST I.D. SEASON
<i>PILOPHORUS NIGRICAULIS</i> Sato lichen	WC Linn, Mari, Mult		
<i>POA LAXIFLORA</i> Buckl. Loose-flowered bluegrass	WC Clac, Mult.		
<i>POLYGONUM PUNCTATUM</i> Elliott dotted smartweed	WV Mult		
<i>SCAPANIA GYMNOSOMOPHILA</i> Kaal. liverwort	WC Mult		
<i>SCIRPUS CYPERINUS</i> (L.) Kunth. woolgrass	WV Linn, Mult.		
<i>SCIRPUS PENDULUS</i> Muhl. (<i>S. lineatus</i>) drooping bulrush	Linn		
<i>SIDALCEA CAMPESTRIS</i> Greene meadow sidalcea	WV Clac, Linn, Mari, Mult FENCEROWS & ROADSIDES	<1000	LATE JUNE- JULY
<i>SIDALCEA CUSICKII</i> Piper Cusick's checker-mallow	WV Linn	<4000	MAY-JULY
<i>SILENE SUKSDORFII</i> Robins. Suksdorf's silene	WC Mari ALPINE & SUBALPINE SCREE SLOPES	>4000	JULY-SEPT
<i>SYNTHYRIS STELLATA</i> Pennell (includes <i>S. Missurica</i> ssp. <i>Hirsuta</i>) starry synthyris	WC Mult		
<i>VACCINIUM OXYCOCCUS</i> L. Var. <i>INTERMEDIUM</i> wild bog cranberry	WC Clac, Linn, Mari, Mult. SPHAGNUM BOGS	LOW-MID	MAY-JULY
<i>VERBENA HASTATA</i> L. Blue verbena	WV, WC Clac, Mult		

D. 2 Survey and Manage Species known to occur in the Cascade Resource Area

This list is adapted from Appendix B-1 Management of SEIS Special Attention Species in the Salem District ROD and Management Plan. Only species known to occur in the Cascade Resource Area are listed.

SPECIES	SURVEY STRATEGIES			
	1	2	3	4
FUNGI				
CHANTERELLES				
<i>CANTHARELLUS CIBARIUS</i>			X	X
<i>CANTHARELLUS SUBALBIDUS</i>			X	X
<i>CANTHARELLUS TUBAEFORMIS</i>			X	X
CHANTERELLES - GOMPHUS				
<i>GOMPHUS CLAVATUS</i>			X	
<i>*GOMPHUS FLOCCOSUS</i>			X	
<i>GOMPHUS KAUFFMANII</i>			X	
RARE CHANTERELLE				
<i>CANTHARELLUS FORMOSUS</i>	X		X	
<i>POLYOZELLUS MULTIPLEX</i>	X		X	
RARE CORAL FUNGI				
<i>RAMARIA STUNTZII</i>	X		X	
PHAEOCOLLYBIA				
<i>PHAEOCOLLYBIA CALIFORNICA</i>	X		X	
<i>PHAEOCOLLYBIA KAUFFMANII</i>	X		X	
<i>PHAEOCOLLYBIA SPADICEA</i>			X	
TOOTH FUNGI				
<i>HYDNUM REPANDUM</i>			X	
<i>HYDNUM UMBILICATUM</i>			X	
NOBLE POLYPORE (RARE AND ENDANGERED)				
<i>OXYPORUS NOBILISSIMUS</i>	X	X	X	
RARE RESUPINATES AND POLYPORES				
<i>*GYROMITRA INFULA</i>			X	X
RARE CUP FUNGI				
<i>ALEURIA RHENANA</i>				

PARASITIC FUNGI				
<i>HYPOMYCES LUTEOVIRENS</i>			X	
CAULIFLOWER MUSHROOM				
<i>SPARASSIS CRISPA</i>			X	
LICHENS				
RARE NITROGEN-FIXING LICHENS				
<i>PANNARIA RUBIGINOSA</i>	X		X	
<i>PSEUDOCYPHELLARIA RAINIERENSIS</i>	X	X	X	
NITROGEN FIXING LICHENS				
<i>LOBARIA OREGANA</i>				X
<i>LOBARIA PULMONARIA</i>				X
<i>LOBARIA SCOBICULATA</i>				X
<i>NEPHROMA BELLUM</i>				X
<i>NEPHROMA HELVETICUM</i>				X
<i>NEPHROMA LAEVIGATUM</i>				X
<i>NEPHROMA RESUPINATUM</i>				X
<i>PANNARIA SAUBINETII</i>				X
<i>PELTIGERA COLLINA</i>				X
<i>PELTIGERA PACIFICA</i>				X
<i>PSEUDOCYPHELLARIA ANOMALA</i>				X
<i>PSEUDOCYPHELLARIA ANTHRASPIS</i>				X
<i>PSEUDOCYPHELLARIA CROCATA</i>				X
<i>STICTA FULIGINOSA</i>				X
<i>STICTA LIMBATA</i>				X
PIN LICHENS				
<i>CALICIUM VIRIDE</i>				X
<i>CHAENOTHECA FURFUACEA</i>				X
<i>CYPHELIUM INQUINANS</i>				X
RARE ROCK LICHENS				
<i>PILOPHORUS NIGRICAULIS</i>	X		X	
RIPARIAN LICHENS				
<i>CETRELIA CETRARIOIDES</i>				X
<i>RAMALINA THRAUSTA</i>				X

<i>*USNEA LONGISSIMA</i>				X
AQUATIC LICHENS				
<i>LEPTOGIUM RIVALE</i>	X		X	
RARE OCEANIC INFLUENCED LICHENS				
<i>HYPOGYMNA OCEANIC</i>	X		X	
BRYOPHYTES				
<i>*ANTITRICHIA CURTIPENDULA</i>				X
<i>PTILIDIUM CALIFORNICUM</i>	X	X		X
VASCULAR PLANTS				
<i>ALLOTROPA VIRGATA</i>	X	X		
<i>*CORYDALIS AQUAE-GELIDAE</i>	X	X		

D. 3 Noxious Weeds to Search for in the LNS WAA

H = Hitchcock & Cronquist. Flora of the Pacific Northwest. W = Weeds of the West.

PRIORITY I SPECIES - POTENTIAL NEW INVADERS			
*known populations in the Cascade Resource Area			
SCIENTIFIC NAME	COMMON NAME	BEST ID. SEASON	COMMENTS
<i>CARDUUS PYCNOCEPHALUS</i>	Italian thistle	May - June	H. Pg. 188
<i>CARTHAMUS LANATUS</i>	distaff thistle		W. Pg. 80.
<i>CARTHAMUS LEUCOCAULOS</i>	whitestem distaff thistle		
<i>CENTAUREA SOLSTITIALIS</i>	yellow starthistle		W. Pg. 94
<i>CENTAUREA VIRGATA</i>	squarrose knapweed		W. Pg. 97
<i>CHONDRILLA JUNCEA</i>	rush skeletonweed	mid July - Frost	H. Pg. 500
<i>CENTAUREA CALCITRAPA</i>	purple starthistle		W. Pg. 87
<i>CENTAUREA IBERICA</i>	Iberian starthistle		W. Pg. 86
<i>CARDUUS TENUIFLORUS</i>	slenderflower thistle		W. Pg. 79
<i>LYTHRUM SALICARIA</i>	purple loosetrife	Aug. - Sept.	H. Pg. 303
<i>SILYBUM MARIANUM</i>	milk thistle	Late April - Early June	H. Pg. 549
PRIORITY II SPECIES - ERADICATION OF NEW INVADERS			
* <i>CENTAUREA DIFFUSA</i>	diffuse knapweed	July - Sept.	H. Pg. 498 T12S R3E SEC. 14
* <i>CENTAUREA MACULOSA</i>	spotted knapweed	July - Oct.	H. Pg. 499 T7S R4E Sec. 2 T12S, R3E Sec. 9, 30
* <i>CENTAUREA PRATENSIS</i>	meadow knapweed	July - Oct.	H. Pg. 499 T1-S R2E Sec. 23 T9S R3E Sec. 25 T10S R1E Sec. 8 & 14 T12S R1E Sec. 15
* <i>ULEX EUROPARUS</i>	gorse	April - Sept.	H. Pg. 278 T2S R6E Highland Butte
PRIORITY III SPECIES - ESTABLISHED INFESTATIONS			
* <i>CIRSIIUM ARVENSIS</i>	Canada thistle	July - Aug	H. Pg. 503
* <i>CIRSIIUM VULGARE</i>	bull thistle	July - Sept	H. Pg. 503

<i>*CYTISUS SCOPARIUS</i>	Scotch broom	May - June	H. Pg. 260
<i>*HYPERICUM PERFORATUM</i>	St. Johnswort	June - July	H. Pg. 295
<i>*SENECIO JACOBAEA</i>	tansy ragwort	July - Sept	H. Pg. 545

D.4 Plant Species List for the LNS WAA

Compiled May 1997 from Botanical Clearance Surveys & from area botanical monitoring. Also from information gathered by Roy Gerig, et al and John Davis, Bruce McCune (OSU Lichen/Bryophyte Study Group 10/94).

Vascular plant nomenclature based on Hitchcock & Cronquist 8th printing 1991.

Names in parenthesis are from National Plant Codes, National Plants Database March 1994

** S&M 1,2,3

* S&M 4

<u>Scientific Name</u>	<u>Common Name</u>	<u>PLANTS</u>
<u>Conifer Trees</u>		
<i>Abies amabilis</i>	Pacific silver fir	ABAM
<i>Abies grandis</i>	Grand fir	ABGR
<i>Abies procera</i>	Noble fir	ABPR
<i>Pseudotsuga menziesii</i>	Douglas-fir	PSME
<i>Taxus brevifolia</i>	Pacific yew	TABR2
<i>Thuja plicata</i>	Western redcedar	THPL
<i>Tsuga heterophylla</i>	Western hemlock	TSHE
<i>Tsuga mertensiana</i>	Mountain hemlock	TSME
<u>Deciduous Trees(>8m tall)</u>		
<i>Acer macrophyllum</i>	Bigleaf maple	ACMA3
<i>Alnus rubra</i>	Red alder	ALRU2
<i>Alnus sinuata</i> (<i>A. viridis</i> ssp. <i>sinuata</i>)	Sitka alder	ALSJ3
<i>Castanopsis chrysophylla</i>	Golden chinkapin	CACH6
<i>Fraxinus latifolia</i>	Oregon ash	FRLA
<i>Populus trichocarpa</i> (<i>P. balsamifera</i> spp. <i>trichocarpa</i>)	Black cottonwood	POTR15
<i>Prunus</i> spp.	Cherry	PRUNU
<i>Quercus garryana</i>	Oregon white oak	QUGA4
<u>Shrubs</u>		
<i>Acer circinatum</i>	Vine Maple	ACCI
<i>Amelanchier alnifolia</i>	Pacific serviceberry	AMAL2
<i>Arctostaphylos columbiana</i>	Hairy manzanita	ARCO3
<i>Berberis aquifolium</i> (<i>Mahonia aquifolium</i>)	Tall Oregon grape	BEAQ
<i>Berberis nervosa</i> (<i>Mahonia nervosa</i> var. <i>nervosa</i>)	Dwarf Oregon grape	BENE2
<i>Cornus sericea</i> spp. <i>occidentalis</i> (<i>C. stolonifera</i>)	Creek dogwood	COSEO
<i>Cornus nutalli</i>		
<i>Corylus cornuta</i>	California hazle	COCO6
<i>Cytisus scoparius</i>	Scott's broom	CYSC4
<i>Gaultheria shallon</i>	Salal	GASH
<i>Gaultheria ovatifolia</i>	Slender wintergreen	GAOV2
<i>Holodiscus discolor</i>	Oceanspray	HODI
<i>Ilex aquifolium</i>	English holly	ILAQ80
<i>Lonicera cilosa</i>	Honeysuckle	LOCI

Oemleria cerasiformis
Oplophanax horridum
Paxistima myrsinites (*Pachystima myrsinites*)
Philadelphus lewisii
Rhamnus purshiana
Rhododendron macrophyllum
Ribes sanguineum
Rosa gymnocarpa
Rubus laciniatus I
Rubus leucodermis
Rubus nivalis
Rubus parviflorus
Rubus petadus
Rubus spectabilis
Rubus ursinus
Salix sp.
Sambucus racemosa
Spiraea douglasii
Symphoricarpos albus
Symphoricarpos mollis
Vaccinium parvifolium

Indian plum
 Devil's club
 Oregon boxwood
 Mock orange
 Cascara buckthorn
 Rhododendron
 Winter current
 Baldhip rose
 Evergreen blackberry
 Black raspberry
 Snow bramble
 Thimbleberry
 Creeping raspberry
 Salmonberry
 California dewberry
 Willow
 Red elderberry
 Spirea
 Snowberry
 Trailing snowberry
 Red huckleberry

OECE
 OPHO
 PAMY
 PHLE
 RHPU
 RHMA
 RISA
 ROGY
 RULA
 RULE
 RUNI
 RUPA
 RUPE
 RUSP
 RUUR
 SALIX
 SARA2
 SPDO
 SYAL
 SYMO
 VAPA

Ferns & Allies

Adiantum pedatum
Athyrium filix-femina
Blechnum spicant
Dryopteris austriaca
Equisetum sp.
Polypodium glycyrrhiza
Polystichum munitum
Pteridium aquilinum

Maidenhair fern
 Lady fern
 Deer fern
 Spreading wood-fern
 Horsetail
 Licorice fern
 Sword fern
 Bracken fern

ADPE
 ATFI
 BLSP
 DRAU5
 EQUIS
 POGL8
 POMU
 PTAQ

Herbs

Achillea millefolium
Achlys triphylla
Actaea rubra
Adenocaulon bicolor
Anaphalis margaritacea
Anemone deltoidea
Anemone oregana var. *oregana*
Asarum caudatum
Aster gormanii
Aquilegia formosa
Boykinia elata
 (*Boykinia occidentalis*)
Calypso bulbosa
Campanula scouleri
Cardamine
Castilleja gracillima
Castilleja
Centaurium umbellatum

Yarrow
 Vanilla leaf
 Baneberry
 Pathfinder
 Pearly-everlasting
 Windflower
 Oregon anemone
 Wild ginger
 Gorman's aster
 Columbine
 Slender boykinia

 Fairyslipper orchid
 Scouler's harebell
 Bittercrest
 Slender paintbrush
 Paintbrush
 Common centaury

ACMI2
 ACTR
 ACRU2
 ADBI
 ANMA
 ANDE3
 ANORO
 ASCA2

 AQFO
 BOEL

 CABU
 CASC7

 CAGR16

 CEUM

<i>Centaureum muhlenbergii</i>	Mulhenberg's centaury	CEUM2
<i>Chimaphila umbellata</i>	Prince's pine	CHUM
<i>Circaea alpina</i>	Enchanter's nightshade	CIAL
<i>Cirsium arvense</i> I	Canadian thistle	CIAR4
<i>Cirsium vulgare</i> I	Common thistle	CIVU
<i>Conyza canadensis</i>	Canadian horseweed	COCA5
<i>Coptis laciniata</i>	Goldthread	COLA3
<i>Corallorhiza maculata</i>	Spotted coral-root	COMA4
<i>Daucus carota</i> I	Queen Anne's Lace	DACA6
<i>Dicentra formosa</i>	Bleeding heart	DIFO
<i>Digitalis purpurea</i> I	Foxglove	DIPU
<i>Disporum</i> spp.		DISPO
<i>Disporum smithii</i>	Fairy-lanterns	DISM2
<i>Eburophyton austiniac</i> (<i>Cephalanthera austiniac</i>)	Phantom orchid	EBAU
<i>Epilobium</i> sp.		EPILO
<i>Epilobium angustifolium</i> I	Willow-herb	EPAN2
<i>Epilobium glaberrimum</i>	Fireweed	
<i>Erigeron philadelphicus</i>	Willow-herb	
<i>Erythronium oregonum</i>	Fleabane	ERPH
<i>Fragaria</i> spp.	Fawn lily	EROR4
<i>Galium</i> spp.	Wild strawberry	FRAGA
<i>Galium oregonum</i>	Bedstraw	GALIU
<i>Gentiana affinis</i>	Oregon bedstraw	GAOR
<i>Geum macrophyllum</i>	Pleated gentian	GEAF
<i>Goodyera oblongifolia</i>	Large-leaved avens	GEMA4
<i>Hieracium albiflorum</i>	Rattlesnake orchid	GOOB2
<i>Hieracium scouleri</i>	Hawkweed	HAL2
<i>Hydrophyllum tenuipes</i>	Scouler's hawkweed	HASC2
<i>Hypericum perforatum</i> I	Waterleaf	HYTE
<i>Hypericum scouleri</i>	Klamath weed (common St. John's wort)	HYPE
<i>Hypochaeris radicata</i>	Scouler's St. John's-wort	HYSC5
<i>Iris tenax</i>	Hairy cat's ear	HYRA
<i>Lactuca muralis</i> (<i>Mycelis muralis</i>)	Oregon iris	IRTE
<i>Lathyrus</i>	Wall lettuce	LAMU
<i>Leucanthemum vulgare</i> I (<i>Chrysanthemum leucanthemum</i>)	Peavine	
<i>Linnaea borealis</i>	Ox-eye daisy	LEVU
<i>Listeria cordata</i>		
<i>Lotus crassifolius</i>	Twinflower	LIBO3
<i>Lysichiton americanus</i> (<i>Lysichiton americanum</i>)	Twayblade	LICO
<i>Madia gracilis</i>	Big deer vetch	LOCR
<i>Maianthemum dilatatum</i>	Skunk cabbage	LYAM3
<i>Mimulus guttatus</i>		
<i>Mitella ovalis</i>	Slender tarweed	MAGR3
<i>Monotropa uniflora</i>	False lily of the valley	MADI
<i>Montia perfoliata</i>	Monkeyflower	MIGU
<i>Montia sibirica</i> var. <i>sibirica</i> (<i>Claytonia sibirica</i>)	Oval-leaved mitrewort	MIOV
<i>Nemophila parviflora</i>	Indian pipe	MOUN3
<i>Oenanthe sarmentosa</i>	Miner's lettuce	MOPE3
<i>Osmorhiza chilensis</i>	Candyflower	CLSIS
<i>Oxalis oregana</i>	Small-flowered nemophila	NEPA
	Water-parsley	OESA
	Sweet-cicely	OSCH
	Oregon oxalis	OXOR

Petasites frigidus
Plantago lanceolata
Plantago major var. *major* I
Pleuricospora fimbriolata
Prunella vulgaris
Psoralea physodes
Ranunculus
Ranunculus occidentalis
Rumex acetosella I
Rumex occidentalis
Saxifraga
Senecio jacobaea I
Senecio triangularis
Smilacina racemosum spp. *amplexicaule*
 (*Maianthemum racemosa*)
Solidago canadensis
Stachys spp.
Stellaria claycantha
Synthyris reniformis
Tanacetum bipinnateum
Taraxacum spp.
Tellima grandiflora
Thalictrum spp.
Tiarella trifoliata
Tolmiea menziesii
Trientalis latifolia
 (*T. borealis* ssp. *latifolia*)
Trifolium spp.
Trillium ovatum
Vancouveria hexandra
Veratrum viride
Verbascum thapsus
Veronica spp.
Veronica chamaedrys
Vinca major
Viola glabella
Viola sempervirens
Whipplea modesta
Xerophyllum tenax

Coltsfoot
 Narrowleaf plantain
 Common plantain
 Fringed pinesap
 Heal-all

 Buttercup
 Western buttercup
 Sheep sorrel
 Western dock
 Saxifrage
 Tansy ragwort
 Triangle-leaf groundsel
 False solomonscal

Canadian goldenrod
 Hedge-nettle/Betony
 Northern starwort
 Snow-queen
 Dunc tansy
 Dandelion
 Fringe-cup
 Meadowrue
 Threeleaf foamflower
 Pig-a-Back plant
 Starflower

Clover
 Pacific trillium
 Inside-out-flower
 False hellebore
 Common mullein
 Speedwell
 Germander speedwell
 Bigleaf periwinkle
 Stream violet
 Redwoods violet
 Whipplevine
 Beargrass

PEFR5
 PLLA
 PLMAM
 PLFI2
 PRVU
 PSPH
 RANUN
 RAOC
 RUAC3
 RUOC3
 SAXIF
 SEJA
 SETR
 SMRAA

SOCA6
 STACH
 STCA
 SYRE
 TABI
 TARAX
 TEGR2
 THALI2
 TITR
 TOME
 TRLA6

TRIFO
 TROV2
 VAHE
 VEVI
 VETH
 VERON
 VECH
 VIMA
 VIGL
 VISE3
 WHMO
 XETE

Grasses, Sedges & Rushes

Agrostis exarata
Bromus spp.
Carex spp.
Holcus lanatus I
Juncus spp.
Juncus effusus
Luzula parviflora
Scirpus microcarpus

Spike bentgrass
 Brome grass
 Sedge
 Common velvet grass
 Rushes
 Common rush
 Small-flowered woodrush
 Small flowered bulrush

AGEX
 BROMU
 CAREX
 HOLA
 JUNCU
 JUEF
 LUPA4
 SCMI2

Mosses

Antitrichia curtipendula
 Hylocomium splendens
 Kindbergia praelonga
 Rhytidiadelphus spp.

Antitrichia moss
 Stairstep moss
 Gooseneck moss

ANCU3
 HYSP70
 KIPR
 RHYT12

Liverworts

Conocephalum conicum
 Marchantia polymorpha

Coneheads

CONOC3

Lichens

Alectoria sarmentosa
 Baecomyces rufus
 Bryoria capillaris
 Bryoria oregana
 Cavernularia hultenii
 Cetraria chlorophylla
 Cetraria orbata
 Cetraria rangiferina
 Cladonia bellidiflora
 Cladonia chlorophaea
 Cladonia ecmocyna
 Cladonia fimbriata
 Cladonia ochrochlora
 Cladonia subsquamosa
 Cladonia transcendentis
 Cladonia verruculosa
 Graphis scripta
 Hypogymnia apinnata
 Hypogymnia enteromorpha
 Hypogymnia imshaugii
 Hypogymnia inactiva
 **Hypogymnia oceanica
 Hypogymnia physodes
 Hypogymnia rugosa
 Hypogymnia tubulosa
 Hypotrachyna sinuosa
 Japewia tomoensis
 Leptogium gelatinosum
 Leptogium lichenoides
 **Leptogium rivale
 Lipolycarpum sp.
 *Lobaria oregana
 *Lobaria pulmonaria
 Menegazzia terebrata
 Mycoblasus sanguinarius
 *Nephroma bellum
 *Nephroma helveticum
 *Nephroma laevigatum
 *Nephroma resupinatum
 Ochrolechia oregonensis
 Ochrolechia laevigatum
 *Pannaria saubinetii

Witch's hair lichen
 cap lichen
 Horsehair lichen
 Oregon horsehair lichen
 Hulten's pitted lichen
 Greenleaf Tuckerman's lichen
 Tuckermann's lichen
 Cup lichen
 Cup lichen
 Cup lichen
 Cup lichen
 Cup lichen
 Cup lichen
 Transcend cup lichen
 Cup lichen
 Pencilmark lichen
 Tube lichen
 Imshaug's tube lichen
 Inactive tube lichen
 Seaside tube lichen
 Tube lichen
 Tube lichen
 Tube lichen
 Sinuous hypotrachyna lichen
 Japewia lichen
 Gelatinous skin lichen
 Skin lichen
 Skin lichen
 Oregon lung lichen
 Lung lichen
 Honeycomb lichen
 Blood lichen
 Kidney lichen
 Swiss kidney lichen
 Kidney lichen
 Kidney lichen
 Oregon crabseye lichen
 Crabseye lichen
 Saubinet's matted lichen

ALSA9
 BARU5
 BRCA14
 BROR6
 CAHU60
 CECH4
 CEOR6
 CLBE4
 CLCH3
 CLEC
 CLFI2
 CLOC60
 CLSU15
 CLTR60
 CLVE4
 GRSC3
 HYEN60
 HYIM60
 HYIN2
 HYOC4
 HYPH60
 HYRU3
 HYTU60
 HYSI60
 JATO
 LEGE60
 LELI60
 LERI2
 LOOR60
 LOPU60
 METE7
 MYSA5
 NEBE60
 NEHE4
 NELA3
 NERE60
 OCOR60
 OCLA3
 PASA4

Parmelia hygrophilla	Shield lichen	PAHY4
Parmelia saxatilis	Shield lichen	PASA60
Parmelia sulcata	Shield lichen	PASU63
Parmeliopsis hyperota	Bran lichen	PAHY61
Peltigera britannica	British felt lichen	PEBR21
*Peltigera collina		PECO60
Peltigera leucophlebia	Felt lichen	PELE61
Peltigera membranacea	Felt lichen	PEME60
Peltigera neopolydactyla	Felt lichen	PENE12
*Peltigera pacifica	Pacific felt lichen	PEPA48
Pertusaria subambigens	Pore lichen	PESU14
Pilophorus acicularis	Nail lichen	PIAC60
Pilophorus clavatus	Nail lichen	PICL3
**Pilophorus nigricaulis	Nail lichen	PINI2
Placopsis gelidia	Bull's-eye lichen	PLGE2
Platismatia glauca	Ragged lichen	PLGL60
Platismatia herrei	Herre's ragged lichen	PLHE60
Platismatia norvegica	Norwegian ragged lichen	PLNO60
Platismatia stenophylla	Ragged lichen	PLST6
Poridia crustulata		
**Pseudocyphellaria rainierensis	Rainier pseudocyphellaria lichen	PSRA3
*Pseudocyphellaria anomala	Pseudocyphellaria lichen	PSAN60
*Pseudocyphellaria anthraspis	Pseudocyphellaria lichen	PSAN61
*Pseudocyphellaria crocata	Pseudocyphellaria lichen	PSCR60
Psoroma hypnorum	Bowl lichen	PSHY60
Sphearophorus globosus	Globe ball lichen	SPGL60
Stereocaulon intermedium	Intermediate snow lichen	STIN61
Stereocaulon tomentosum (P-race)	Tormentose snow lichen	STTO60
*Sticta fuliginosa	Spotted felt lichen	STFU60
*Sticta limbata	Spotted felt lichen	STLI60
Sticta weigeli	Weigel's spotted felt lichen	STWE60
Thelotrema lepadinum	Bamacle lichen	THLE3
*Usnea longissima	Beard lichen	USLO50
Usnea plicata		
Usnea wirthii	Wirth's beard lichen	USWI
Xylographa abictina	Xylographa lichen	XYAB

Fungi

Amanita gemmata	Gemmed amanita
Amanita muscaria	Fly agaric
Amanita aspera	Yellow-veiled amanita
Armillariella mellea	Honey mushroom
Boletus calopus	Bitter boletus
Boletus mirabilis	Admirable bolete
Bovista colorata	Golden puffball
*Cantharellus cibarius	chanterelle
Cantharellus infundibuliformis	Funnel or winter chanterelle
*Cantharellus subalbidus	White chanterelle
Chroogomphus tomentosus	
Clavaria fusiformis	
Clitocybe cyathiformis	
Coltricia cinnamomea	Fairy stool

Cortinarius cotoneus	Scaly cortinarius
Cortinarius violaceus	Violet cortinarius
Cortinarius sp.	
*Dentinum repandum (Hydnum r.)	Hedge hog
*Dentinum umbilicatum (Hydnum u.)	
Gleophyllum sepiarium	Rusty gilled polypore
Gomphidius glutinosus	
*Gomphus clavatus	Pig's ear gomphus
*Gomphus floccosus	
*Gomphus kauffmanii	shaggy chanterelle
Gymnopilus liquiritiae	
*Gyromitra californica	Umbrella false morel
Hygrocybe coccinea	Tighteous red waxy cap
Hygrocybe marginata	Orange gilled waxy cup
Hygrocybe punicea	Scarlet waxy cap
Hygrophorus aurantiaca	False chanterelle
Hygrophorus bakerensis	Brown almond waxy cap
Hypomyces lactifluorum	Loyster mushroom
*Hypomyces luteovirens	
Laccaria bicolor	Lackluster laccaria
Laccaria laccata	
Lactarius kauffmanii	
Lactarius rubrilacteus	Bleeding milk cap
Lactarius olympianus	
Lactarius pallescens	
Lactarius pseudomucidus	Shiny milk cap
Lactarius uvidus group	Purple staining milk cap
Laetiporus sulphureus	Chicken of the woods
Lepiota rubrotincta	Red-eyed parasol
Naematoloma sp.	
Otidea sp.	
Phaeolus schwenitzii	Dyer's polypore
Pleurocybella porrigens (Pleurotus p.)	Angel wings
Polyporus elegans	Elegant polypore; black-foot
Polyporus arcularis	Fringed polypore
**Polyozellus multiplex	Blue chanterelle
Ramaria	
Ramaria ariospora	red coral mushroom
Rozites caperata	the gypsy
Russula sp.	
Russula emetica	The sickener
Russula laurocerasi	Almond russula
Russula pectinatoides	
Russula placita	Pleasing russula
Russula xerampdina	Fishy smelling russula
*Sparassis crispa	Cauliflower mushroom
Selaginella watsonii	
Tricholoma sejunctum	
Tricholoma terreum	Earthy tricholoma; mouse tricholoma
Tricholoma virgatum	
Tricholomopsis decora	
Tricholomopsis rutilans	King's coat; plums and custard

D. 5 Lichens found on Opal Creek Field Outing by Oregon State University Lichen/Bryophyte Study Group,

10/22/94. Participants: John Davis, Chiska Derr, B. G. Jonsson, Bruce McCune, Peter Neitlich, Tom Rambo, Jim Riley, and Steve Sillett.

The following lichen species were found in the old-growth forest surrounding Opal Creek. Locations were: T8S R5E Sec 33 & 29. The list does not contain all species that were present.

ROD Survey and Manage Stratey 1 and 3 species:

Hypogymnia oceanica
Leptogium rivale
Pilophorus nigricaulis
Pseudocyphellaria rainierensis (1,2,3)

ROD S & M Strategy 4 species:

Lobaria oregana
Lobaria pulmonaria
Nephroma bellum
Nephroma helveticum
Nephroma laevigatum
Nephroma resupinatum
Pannaria saubinetii
Peltigera collina
Peltigera pacifica
Pseudocyphellaria anomala
Pseudocyphellaria anthraspis
Pseudocyphellaria crocata
Sticta fuliginosa
Sticta limbata

Usnea longissima (lower part of watershed)

Other lichens

Alectoria sarmentosa
Baeomyces rufus
Bryoria capillaris
Bryoria oregana
Bryoria pseudofuscescens
Cavernularia hultenii
Cetraria chlorophylla
Cetraria orbata
Cetraria rangiferina
Cladonia bellidiflora
Cladonia chlorophaea
Cladonia ecmocyna
Cladonia fimbriata
Cladonia ochrochlora
Cladonia subsquamosa
Cladonia transcendens
Cladonia verruculosa
Graphis scripta
Hypogymnia apinnata
Hypogymnia enteromorpha
Hypogymnia imshaugii
Hypogymnia inactiva
Hypogymnia physodes
Hypogymnia rugosa
Hypogymnia tubulosa
Hypotrachyna sinuosa
Japewia tornensis
Leptogium gelatinosum
Leptogium lichenoides
Lipolycarpum sp.
Mycoblastus sanguinarius
Ochrolechia oregonensis
Ochrolechia laevigatum
Parmelia hygrophila
Parmelia saxatilis
Parmelia sulcata
Parmeliopsis hyperopta
Peltigera britannica
Peltigera leucophlebia

Peltigera membranacea
Peltigera neopolydactyla
Pertusaria subambigens
Pilophorus acicularis
Pilophorus clavatus
Placopsis gelida
Platismatia glauca
Platismatia herrei
Platismatia norvegica
Platismatia stenophylla
Porpidia crustulata
Psoroma hypnorum
Sphaerophorus globosus
Stereocaulon intermedium
Stereocaulon tomentosum (P- race)
Sticta weigeli
Thelotrema lepadinum
Usnea plicata group
Usnea wirthii
Xylographa abietina

D.6 Vertebrate Wildlife List - LNS

The following is a list of vertebrate species known or suspected to occur in the LNS watershed. Occurrence codes for are based on records in the Salem District Wildlife Observation Database (WOBS), Forest Service wildlife database, Oregon Natural Heritage Program (ONHP) and on extrapolation from literature specific to the Pacific Northwest region as a whole. This list is intended to be modified as new information is acquired.

HABITAT & OCCURRENCE KEY:

V=Willamette Valley & Cascades Foothills
H=High Elevation Habitats
I=Introduced, L=local, B=Breeding (Birds), NB=Non-breeding (Birds),
BU= Breeding Status Uncertain(Birds), OU=Occurrence Uncertain

FEDERAL/STATE STATUS:

LE=Federal Endangered, SE=State Endangered,
LT=Federal Threatened, ST=State Threatened,
SoC=Species of Concern (former Category 2 Candidates),
SC=State Critical, SV=State Vulnerable, SU=State Undertermined Status, SP=State Peripheral, FS=Forest
Service Sensitive, BS=Bureau Sensitive, BA=Bureau Assessment, BT=Bureau Tracking,
SM=ROD Survey and Manage, B=ROD Buffer or Extra Protection Species

LITTLE NORTH SANTIAM - WILDLIFE LIST - HERPTILES

SPECIES	SPCODE	FEDERAL	STATE	BLM/FS	SA-ROD	OCC
Northwestern salamander	AMGR					
Long-toed salamander	AMMA					V-OU
Pacific giant salamander	DIEN					
Cascade torrent salamander	RHCA		SV	BT		L
Clouded salamander	ANFE		SU	BT		L
Oregon slender salamander	BAWR		SU	BS		
Ensantina	ENES					
Dunn's salamander	PLDU					
Western redback salamander	PLVE					L
Roughskin newt	TAGR					
Pacific tree frog	HYRE					
Tailed frog	ASTR	SoC	SV	BS		L
Red-legged frog	RAAU	SoC	SU	BS/FS		
Foothill yellow-legged frog	RABO	SoC	SV	BS		OU
Cascades frog	RACA	SoC	SV	BS		H-L
Bullfrog	RACAT					V
Northwestern pond turtle	CLMA	SoC	SC	BS/FS		V-OU
Northern alligator lizard	ELCO					
Southern alligator lizard	ELMU					V-L
Western fence lizard	SCOC					V-L
Western skink	EUSK					L
Rubber boa	CHBO					
Racer	COLCO					V
Ringneck snake	DIPU					V
Gopher snake	PIME					V
Northwestern garter snake	THOR					

SPECIES	SPCODE	FEDERAL	STATE	BLM/FS	SA-ROD	OCC
Common garter snake	THSI					
Western rattlesnake	CRVI					I-OU

LITTLE NORTH SANTIAM - WILDLIFE LIST - BIRDS

SPECIES	SPCODE	FEDERAL	STATE	BLM/FS	SA-ROD	OCC
Common loon	GAIM			BA		OU
Pied-billed grebe	POPO					OU
Eared grebe	PODNI					OU
Western grebe	AEOC					NB
Great blue heron	ARHE					B
Green-backed heron	BUST					V-B
Canada goose	BRCA					B
Wood duck	AISP					B
Green-winged teal	ANCR					NB
Mallard	ANPL					B
Northern pintail	ANAC					NB
Cinnamon teal	ANCY					OU
Blue-winged Teal	ANDI					OU
Northern shoveler	ANCL					NB
Gadwall	ANST					NB
American wigeon	ANAAM					NB
Ring-necked duck	AYCO					NB
Lesser scaup	AYAF					NB
Harlequin duck	HIHI	SoC	SU	BS/FS		B
Common goldeneye	BUCL					NB
Barrow's goldeneye	BUIS		SU	BT		NB
Bufflehead	BUAL		SU	BA		NB
Hooded merganser	LOCUC					B
Common merganser	MERME					B
Ruddy duck	OXJA					OU
Turkey vulture	CAAU					B
Osprey	PAHA					B
Bald eagle	HALE	LT	ST	LT		BU
Northern harrier	CICY					NB
Sharp-shinned hawk	ACST					B
Cooper's hawk	ACCO					B
Northern goshawk	ACGE	SoC	SC	BS		H-B NB

SPECIES	SPCODE	FEDERAL	STATE	BLM/FS	SA-ROD	OCC
Red-tailed hawk	BUJA					B
Rough-legged hawk	BULA					NB
Golden eagle	AQCH					BU
American kestrel	FASP					B
Merlin	FACO			BA		NB
Peregrine falcon	FAPE	LE	SE	LE		BU
Ring-necked pheasant	PHCO					V-IL
Blue grouse	DEOB					H-B
Ruffed grouse	BOUM					B
Wild turkey - Merriam	MEGA					V-IL
Northern bobwhite	COVI					V-IL
California quail	CACAL					V-B
Mountain quail	ORPI					B
Virginia rail	RALI					B
American coot	FUAM					B
Sandhill Crane	GRCATA		SV	BT/FS		NB
Killdeer	CHVO					V-B
Greater yellowlegs	TRME			BA		V-NB
Solitary Sandpiper	TRSO			BT		V-NB
Spotted sandpiper	ACMA					B
Western sandpiper	CAMAU					V-NB
Least sandpiper	CAMI					V-NB
Dunlin	CAALP					V-NB
Common snipe	GAGA					V-B
Ring-billed gull	LADE					NE
California gull	LACAL					NB
Herring gull	LAAR					NB
Rock dove	COLI					NB
Band-tailed pigeon	COFA					B
Mourning dove	ZEMA					V-B
Common barn-owl	TYAL					V-B
Western screech-owl	OTKE					V-B
Great horned owl	BUVI					B
Northern pygmy owl	GLGN		SU	BT		B

SPECIES	SPCODE	FEDERAL	STATE	BLM/FS	SA-ROD	OCC
Northern spotted owl	STOC	LT	ST	LT		B
Great gray owl	STNE		SV	BT	B	BU
Barred owl	STVA					B
Short-eared owl	ASFL					V-NB
Northern saw-whet owl	AEAC					B
Common nighthawk	CHMI					B
Vaux's swift	CHVA					B
Rufous hummingbird	SERUF					B
Belted kingfisher	CEAL					B
Lewis' woodpecker	MELE		SC	BT		NB
Acorn Woodpecker	MEFO			BT		V-OU
Red-breasted sapsucker	SPRU					B
Red-naped Sapsucker	SPNU					H-OU
Downy woodpecker	PIPU					V-B
Hairy woodpecker	PIVI					B
Northern Three-toed woodpecker	PITR		SC	BS		H-OU
Black-backed woodpecker	PIAR		SC	BS	B	H-BU
Northern flicker	COAU					B
Pileated woodpecker	DRPI		SV	BT		B
Olive-sided flycatcher	COBO	SoC		BS		B
Western wood-pewee	COSO					B
Willow flycatcher	EMTR					B
Hammond's flycatcher	EMHA					B
Dusky flycatcher	EMDU					H-BU
Pacific-slope flycatcher	EMDI					B
Western kingbird	TYVE					NB
Horned lark	ERAL		SC	BT		NB
Purple martin	FRSU		SC	BT		V-BU
Tree swallow	TABI					B
Violet-green swallow	TATH					B
N.rough-winged swallow	STSE					V-B
Cliff swallow	HIPY					V-B

SPECIES	SPCODE	FEDERAL	STATE	BLM/FS	SA-ROD	OCC
Barn swallow	HIRU					V-B
Gray jay	PECA					H-B
Steller's jay	CYST					B
Scrub jay	APCO					V-B
Clarke's nutcracker	NUCO					H-NE
American crow	COBR					V-B
Common raven	CORCO					B
Black-capped chickadee	PAAT					V-B
Chestnut-backed chickadee	PARU					B
Bushtit	PSMI					V-B
Red-breasted nuthatch	SITCA					B
White-breasted nuthatch	SICAR					V-B
Brown creeper	CEAM					B
Bewick's wren	THBE					V-B
House wren	TRAE					B
Rock wren	SAOB					H-OU
Winter wren	TRTR					B
American dipper	CIME					B
Golden-crowned kinglet	RESA					B
Ruby-crowned kinglet	RECA					NB
Western bluebird	SIME		SV	BT		B
Mountain bluebird	SICU					H-NE
Townsend's solitaire	MYTO					H-B
Swainson's thrush	CAUS					B
Hermit thrush	CAGU					H-B V-NB
American robin	TUMI					B
Varied thrush	IXNA					B, V-NB
Cedar waxwing	BOCE					B
Northern shrike	LAEX					V-NE
American pipit	ANSP					NB
European starling	STVU					IB
Solitary vireo	VISO					V-B

SPECIES	SPCODE	FEDERAL	STATE	BLM/FS	SA-ROD	OCC
Hutton's vireo	VIHU					V-B
Warbling vireo	VIGI					B
Orange-crowned warbler	VECE					B
Nashville warbler	VERU					NB
Yellow warbler	DEPE					V-B
Yellow-rumped warbler	DENCO					H-B NB
Black-throated gray warbler	DENI					B
Townsend's warbler	DETO					H-B V-NB
Hermit warbler	DEOC					B
MacGillivray's warbler	OPTO					B
Common yellowthroat	GETR					B
Wilson's warbler	WIPU					B
Western tanager	PILU					B
Black-headed grosbeak	PHME					B
Lazuli bunting	PAAMO					V-B
Rufous-sided towhee	PIER					B
Chipping sparrow	SPPA					B
Vesper Sparrow	POGR		SC	BT		V-BU
Savannah sparrow	PASA					V-BU
Fox sparrow	PAIL					V-NB
Song sparrow	MELME					B
Lincoln's sparrow	MELI					H-B V-NB
Golden-crowned sparrow	ZOAT					V-NB
White-crowned sparrow	ZOLE					B
Dark-eyed junco	JUHY					B
Red-winged blackbird	AGPH					V-BU
Western meadowlark	STONE					V-NB
Brewer's blackbird	EUCY					V-B
Brown-headed cowbird	MOAT					V-B
Northern oriole	ICGA					V-B
Purple finch	CARPU					B

SPECIES	SPCODE	FEDERAL	STATE	BLM/FS	SA-ROD	OCC
Cassin's finch	CARCA					H-BU
House finch	CARME					V-B
Red Crossbill	LOCU					H-B
Pine siskin	CAPI					H-B V-NB
American goldfinch	CATR					V-B
Lesser goldfinch	CAPS					V-B
Evening grosbeak	COVE					B
House sparrow	PADO					I-B

LITTLE NORTH SANTIAM - WILDLIFE LIST - MAMMALS

SPECIES	SPCODE	FEDERAL	STATE	BLM/FS	SA-ROD	OCC
Virginia opossum	DIVI					V-I
Pacific water shrew	SOBE					
Dusky shrew	SOMO					H
Pacific shrew	SOPAC					
Water shrew	SOPAL					OU
Trowbridge's shrew	SOTRO					
Vagrant shrew	SOVA					
Shrew-mole	NEGI					
Coast mole	SCOR					
Townsend's mole	SCTO					V
Big brown bat	EPFU					
Silver-haired bat	LANO				B	
Hoary bat	LACI					
California myotis	MYOCA					
Long-eared myotis	MYEV	SoC		BS	B	
Little brown myotis	MYLU					
Long-legged myotis	MYVO	SoC		BS	B	
Yuma myotis	MYYU	SoC		BS		
Pacific western big-eared bat	PLTO	SoC	SC	BS/FS	B	L
Coyote	CALAT					
Gray fox	URCI					
Red fox	VUVU					V
Black bear	URAM					
Raccoon	PRLO					
Wolverine	GUGU	SoC	ST	BS/FS		H
River otter	LUCA					
Pine Marten	MAAM		SV	BS		H
Fisher	MAPE	SoC	SC	BS		OU
Striped skunk	MEMEP					V
Ermine	MUER					
Long-tailed weasel	MUFR					
Mink	MUVI					

SPECIES	SPCODE	FEDERAL	STATE	BLM/FS	SA-ROD	OCC
Spotted skunk	SPPU					
Mountain lion	FECO					
Bobcat	LYRU					
Elk	CEEL					
Black-tailed deer	ODHE					
Mountain beaver	APRU					
Northern flying squirrel	GLSA					
Western gray squirrel	SCIGR					V
California ground squirrel	SPBEE					
Golden-manteled squirrel	SPLA					H
Townsend's chipmunk	TATO					
Douglas squirrel	TADO					
Camas pocket gopher	TRBU					V
Western pocket gopher	THMA					H
Beaver	CASCAN					
Bushy-tailed woodrat	NECI					
Dusky-footed woodrat	NEFU					V
Deer mouse	PEMA					
Red tree vole	PHLO				SM	
Western red-backed vole	CLCA					
Gray-tailed vole	MICAN					
Long-tailed vole	MILO					
Creeping vole	MIOR					
Water vole	MIRI					H
Townsend's vole	MITO					V
Muskrat	ONZI					V
House mouse	MUMU					V-I
Norway rat	RANO					V-I
Pacific jumping mouse	ZATR					
Porcupine	ERDO					
Nutria	MYCO					V-I

SPECIES	SPCODE	FEDERAL	STATE	BLM/FS	SA-ROD	OCC
Pika	OCPR					H
Snowshoe hare	LEAM					H
Brush rabbit	SYBA					V-L
Eastern cottontail	SYEL					V-T

D7. SSSA WILDLIFE SPECIES KNOWN OR SUSPECTED-LNS WAA

	SPECIES & STATUS	HABITAT DESCRIPTION
HERPETOFAUNA		
D	RHYACOTRITON CASCADAE BT/SV Cascade torrent salamander	Documented to occur in LNS. Prefers small cold streams and springs with water seeping through moss-covered gravel. Most common in mature and old-growth conifer forests below 4000 feet.
D	ANEIDES FERREUS BT/SU clouded salamander	Documented to occur in LNS. Prefers the spaces between loose bark on down logs in forests, forest edges, and clearings created by fire.
D	BATRACHOSEPS WRIGHTI BS/SU Oregon slender salamander	Documented to occur in LNS. West slope of Cascades. Prefers down logs and woody material in more advanced stages of decay. Most common in mature and old-growth conifer forests.
D	ASCAPHUS TRUEI SOC/BS/SV tailed frog	Documented to occur in LNS. Cold, fast-flowing permanent springs and streams in forested areas. Has a very narrow temperature tolerance.
D	RANA AURORA SOC/BS/FS/SU red-legged frog	Documented to occur in LNS. Common in marshes, ponds, and streams with little or no flow, from the valley floor to about 2700 feet in mountain forests. Can occur in seasonal waters if wet until late May or June.
S	RANA CASCADAE SOC/BS/SV Cascades frog	No documented sites in LNS. Historic locations to the east at higher elevations. Found in higher elevation bogs, ponds and stream edges associated with moist meadows.

BIRDS		
D	HISTRIONICUS HISTRIONICUS SOC/BS/FS/SU harlequin duck	Documented to occur in LNS. An uncommon summer resident. Found in whitewater mountain rivers and streams during nesting season. Winters on rocky coasts.
S	BUCEPHALA ISLANDICA BT/SU Barrow's goldeneye	Likely to occur in LNS. Has been documented in North Santiam River to the south. Uncommon to rare migrant and winter visitor in open water areas.
S	BUCEPHALA ALBEOLA BA/SU bufflehead	Likely to occur as a migrant and winter visitor in open water areas. Has been documented in North Santiam River to the south.
D	HALIAEETUS LEUCOCEPHALUS LT/ST bald eagle	Documented to occur in LNS during the nesting season. Suitable habitat present in LNS. Detroit reservoir to south and east. Rare summer resident in Cascades. Uncommon winter resident in Willamette Valley. For nesting and perching, prefers large old-growth trees near major bodies of water and rivers.
S	ACCIPITER GENTILIS SOC/BS/SC Northern goshawk	Highly likely to occur in LNS. Rare Summer resident in Cascades. Prefers mature or old-growth forests with dense canopy cover at higher elevations. Winters at lower elevations.
S	FALCO COLUMBARIUS BA merlin	Highly likely to occur in LNS during Migration and winter. Fields, open areas and edges.
D	FALCO PEREGRINUS LE/SE peregrine falcon	Documented to occur during the nesting season and fall migration. Suitable cliff habitat for nesting is present in LNS. Possibly a breeding species in LNS. Likely to occur as a transient/migrant and winter visitor. Found in a variety of open habitats near cliffs or mountains. Prefers areas near larger bodies of water and rivers.
S	GRUS CANADENSIS BT/FS/SV sandhill crane	Suspected as a rare spring/fall overhead migrant in LNS.
S	TRINGA MELANOLEUCA BA greater yellowlegs	Suspected to occur rarely in the lower end of LNS. A common transient and uncommon winter resident in Willamette Valley. Wetlands, flooded fields, and mud flats.
S	TRINGA SOLITARIA BT solitary sandpiper	Suspected to occur rarely in the lower end of LNS. Uncommon spring/fall migrant and transient in Willamette Valley. Wetlands, flooded fields, and small water bodies.
D	GLAUCIDIUM GNOMA BT/SU Northern pygmy owl	Common permanent resident in LNS. Coniferous/mixed forests and edges.

D	STRIX OCCIDENTALIS CAURINA LT/ST Northern spotted owl	Permanent resident in LNS, especially the upper end. (10 known sites). Prefers mature and old-growth conifer forests with large down logs, standing snags in various stages of decay, high canopy closure and a high degree of vertical stand structure.
D	STRIX NEBULOSA BT/B/SV great gray owl	Documented to occur in LNS from two locations. Primarily an east side species. On the west side, associated with natural and manmade openings, mostly at higher elevations.
S	MELANERPES LEWIS BS/SC lewis' woodpecker	Formerly a common summer resident and uncommon winter visitor in Willamette Valley. Today it is a rare transient and migrant. Oak woodlands and hardwood forests.
D	PICOIDES ARCTICUS BS/B/SC black-backed woodpecker	Documented to occur in the upper end of LNS. Primarily an eastside species. On the westside, it's found in mature/older forests with abundant snags at higher elevations.
D	DRYOCOPUS PILEATUS BT/SV pileated woodpecker	Common permanent resident in LNS. Prefers to nest in old-growth and mature forests. Also forages in younger forests containing mature or old-growth remnants. Requires larger snags and down wood.
S	CONTOPUS COOPERI SOC/BS olive-sided flycatcher	Uncommon summer resident in more open coniferous forest and edge with prominent tall snags or trees that serve as foraging and singing perches.
S	EREMOPHILA ALPESTRIS BT/SC horned lark	Suspected in extreme western edge of LNS. Rare and local summer resident in Willamette Valley. Uncommon in winter. Open fields, grassy areas.
S	PROGNE SUBIS BT/SC purple martin	Suspected as a rare summer resident in LNS. Documented to occur in the North Santiam to the south and west. Typically occurs along rivers and other water bodies. Nests colonially in cavities in old buildings, abandoned woodpecker holes, and nest boxes.
D	SIALIA MEXICANA BT/SV western bluebird	Documented to occur in LNS. Uncommon permanent resident in Willamette Valley and adjacent foothills. Open areas with standing snags, or small farms with diversified agriculture. Nests in natural woodpecker cavities or artificial nest boxes.
S	POOECETES GRAMINEUS BT/SC vesper sparrow	Suspected to occur in extreme western portion LNS. Rare and local summer resident in Willamette Valley. Very rare in winter. Dry, grassy areas.

MAMMALS		
D	LASIONYCTERIS NOCTIVAGANS B silver-haired bat	Documented to occur in LNS. Associated with cliff/cave and snag habitat. Forages in a variety of forest habitats and riparian areas.
S	MYOTIS EVOTIS SOC/BS/B long-eared myotis	Highly likely to occur in LNS. Associated with snags and cave habitat. Prefers older forests. Forages over water and riparian areas.
S	MYOTIS VOLANS SOC/BS/B long-legged myotis	Highly likely to occur in LNS. Associated with cliff/cave and snag habitat. Prefers older forests. Forages over water and riparian areas.
S	MYOTIS YUMANENSIS SOC/BS yuma myotis	Highly likely to occur in LNS. Associated with cliff/cave and snag habitat. More closely associated with riparian areas than the other myotis. Prefers older forests. Forages over water and riparian areas.
D	PLECOTUS TOWNSENDII SOC/BS/FS/B/SC pacific western big-eared bat	Documented to occur in LNS. Feeds on flying insects in a variety of habitats in forested areas. Primary habitat is caves, rock outcrops, buildings and abandoned mines.
D	GULO GULO SOC/BS/FS/ST wolverine	There is one record of wolverine in the LNS near Opal lake. Found in higher elevation mountainous and isolated coniferous forests.
S	MARTES AMERICANA BS/SV pine marten	Suspected to occur in LNS. Mature and old-growth forests containing large quantities of standing snags and downed logs, in the upper end of LNS. Prefers wetter forests, often near streams.
S	PHENACOMYS LONGICAUDUS SM red tree vole	Highly likely to occur in the LNS. This arboreal vole prefers mature/older forests with closed canopies.

KEY

Occurrence:

S = Suspected

D = Documented

Status:

LE = Federal endangered

LT = Federal Threatened

SOC = Species of Concern & Bureau Sensitive

BS = Bureau Sensitive

BA = Bureau Assessment

BT = Bureau Tracking

FS = Forest Service Sensitive

SM=ROD Survey and Manage

B=ROD Buffer or extra protection species

SE = State Endangered

ST = State Threatened

SC = State Critical

SV = State Volulnerable

SU = State Uncertain

SP = State Peripheral

D8. SSSA Invertebrate Species -LNS

SPECIES	SPCODE	BLM/FS STATUS	ONHP LIST	GEOGRAPHIC RANGE or HABITAT NEEDS
MOLLUSKS Oregon megomphix	MEHE	SM/BS	1	CR,WV,WC: Moist conifer/hardwood forest, bigleaf maple logs/litter at low/mid elevations
Blue-gray tall dropper (slug)	PHCO	SM/BS	1	CR,WC: Moist conifer/hardwood forest in moss logs,litter at mid/high elevations
Papillose tail-dropper (slug)	PHDU	SM/BS	1	CR,WV,WC: Moist conifer/hardwood forest in moss, logs, litter at low/mid elevations
EARTHWORMS Oregon giant earthworm	ORMA	SOC/BS	1	WV: Associated with undisturbed vegetation and uncultivated soils at low elevations
INSECTS Beer's false water penny beetle	ACBE	SOC/BS/F S	3	WC: Rocky or gravelly stream margins
Cascades apatanian caddisfly	APTA	SOC/BS	2	WC,EC: Found in small streams on coarse gravel and cobble in areas of low current at mid/high elevations
Vertree's persclean caddisfly	CEVE	SOC/BS	3	CR,WV: Found in large streams and river systems at low/mid elevation
Mt. Hood brachycentrid caddisfly	EOGE	SOC/BS/F S	3	WC: Cold spring fed streams at mid/high elevations
Mt. Hood farulan caddisfly	FAJE	SOC/BS	3	WC,EC: Small spring fed streams associated with older forests
Tombstone Prairie farulan caddisfly	FARE	SOC/BS/F S	3	WC: Small spring fed streams with moderate to fast currents on coble and wood at high elevations
Tombstone Prairie oligophlebodes caddisfly	OLMG	SOC/BS/F S	3	WC: Small to large streams at high elevations

One-spot rhyacophilian caddisfly	RHUN	SOC/BS/FS	3	WC,EC: Clear streams at high elevations
Siskiyou caddisfly	TIST	SOC/BS	3	WC: Collection sites widely scattered thru OR and includes Little North Fork of North Santiam

KEY: WV=Western Valleys WC=Western Cascades EC=Eastern Cascades CR=Coast Range
 SOC = Species of Concern & Bureau Sensitive
 BS = Bureau Sensitive
 FS = Forest Service Sensitive
 SM=ROD Survey and Manage