

Appendix A

SPECIAL STATUS SPECIES SOUTH UMPQUA RIVER/GALESVILLE LSR (RO223)			
SPECIES (common name)	STATUS	PRESENCE	MONITORING LEVEL
BIRDS			
Peregrine falcon	FE,ST	U	1
Bald eagle	FT,ST	S	1
Northern spotted owl	FT,ST	D	4
Flammulated owl	SC, AS	U	1
Great gray owl	S&M,SV,AS	U	1
Pygmy owl	SU	S	1
Northern saw-whet Owl	AS	S	1
Northern goshawk	FC,SC, AS	S	1
Mountain quail	FC3	D	1
Black-backed woodpecker	SC, AS	U	1
Three-toed woodpecker	SC, AS	U	1
Pileated woodpecker	SC, AS	S	1
Lewis' woodpecker	SC, AS	U	1
Acorn Woodpecker	SU	U	1
Purple martin	SC, AS	U	1
White pelican	SV	U	1
Western bluebird	SV, AS	U	1
Pygmy nuthatch	SV	U	1
AMPHIBIANS/REPTILES			
Sharptail snake	SV,AS	U	1
California Mountain kingsnake	SP, AS	U	1
Common kingsnake	SP, AS	U	1
Western pond turtle	FC,SC	S	1
Del Norte salamander	S&M,FC,SV	U	1
Clouded salamander	SC, AS	U	1

**SPECIAL STATUS SPECIES
SOUTH UMPQUA RIVER/GALESVILLE LSR (R0223)**

SPECIES (common name)	STATUS	PRESENCE	MONITORING LEVEL
Torrent salamander	FC,SV	D	1
Mountain yellow-legged frog	FC,SU	U	1
Red-legged frog	FC,SU	U	1
Tailed frog	FC,SV,AS	U	1
MAMMALS			
Townsend's big-eared bat	FC,SC	S	1
Yuma myotis	FC	S	1
Fringed myotis	FC,BS,SV,S&M	S	1
Pacific pallid bat	S&M,SC,AS	S	1
Silver haired bat	S&M	S	1
Long-eared myotis	S&M	S	1
Long-legged myotis	S&M	S	1
White-footed vole	FC,SP	S	1
Red tree vole	S&M	D	1
Fisher	FC,SC, AS	U	1
Pine marten	SC, AS	S	1
Ringtail	SU	S	1
Lynx	S&M	U	1
FISH			
Coho salmon	FP, SC, AS	D	3
Umpqua cutthroat trout	FP	D	3
Steelhead trout (winter run)	AS	D	3
Pacific lamprey	FC	D	3
Umpqua chub	FC, SV	S	1

SPECIAL STATUS SPECIES SOUTH UMPQUA RIVER/GALESVILLE LSR (RO223)			
SPECIES (common name)	STATUS	PRESENCE	MONITORING LEVEL
OTHER			
Burnells' false water penny beetle	FC	U	1
Denning's agapetus caddisfly	FC	U	1
Green Springs Mtn. farulan caddisfly	FC	U	1
Schuh's homoplectran caddisfly	FC	U	1
O'Brien rhyacophilan caddisfly	FC	U	1
Siskiyou caddisfly	FC	U	1
Alsea ochrotichian micro caddisfly	FC	U	1
Franklin's bumblebee	FC	U	1
Oregon pearly mussel	FC	U	1
VASCULAR PLANTS			
Candystick	S&M	U	1
Wayside aster	FC	U	1
Clustered lady-slipper orchid	S&M	U	1
Mountain lady-slipper orchid	S&M	U	1

STATUS ABBREVIATIONS:

FE -- Federal Endangered
 FT -- Federal Threatened
 FP -- Federal Proposed
 FC -- Federal Candidate
 SE -- State Endangered
 ST -- State Threatened
 SC -- ODFW Critical
 SV -- ODFW Vulnerable
 SP -- ODFW Peripheral/Naturally Rare
 SU -- ODFW Undetermined
 BS -- Bureau Sensitive
 AS -- Assessment Species (BLM)
 S&M--Survey and Manage (ROD)

PRESENCE ABBREVIATIONS:

D -- Documented
 S -- Suspected, habitat present
 U -- Uncertain

MONITORING LEVELS:

N -- No surveys done or planned
 1 -- Literature search only
 2 -- One field search done
 3 -- Some surveys completed
 4 -- Protocol completed

Appendix B

LATE SUCCESSIONAL ASSOCIATED SPECIES KNOWN OR SUSPECTED TO OCCUR WITHIN THE SOUTH UMPQUA RIVER/GALESVILLE LSR (R0223)			
SPECIES (common name)	HISTORY	PRESENCE	MONITORING LEVEL
BIRDS			
Hermit thrush	Y	D	3
Brown creeper	Y	D	3
Vaux's swift	Y	D	3
Northern flicker	Y	D	3
Hermit warbler	Y	D	3
Western flycatcher	Y	D	3
Hammond's flycatcher	Y	D	3
Swainson's thrush	Y	D	3
Red crossbill	N	S	3
Red-breasted nuthatch	Y	D	3
Chestnut-backed chickadee	Y	D	3
Hairy woodpecker	Y	D	3
Black-capped chickadee	Y	D	3
Golden-crowned kinglet	Y	D	3
White-breasted nuthatch	Y	D	3
Red-breasted sapsucker	Y	D	3
Barred owl	Y	D	3
Winter wren	Y	D	3
Warbling vireo	Y	D	3
Wilson's warbler	Y	D	3
AMPHIBIANS/REPTILES			
Rough-skinned newt	Y	D	3
Pacific giant salamander	Y	D	3
Northwestern salamander	Y	D	3
Dunn salamander	Y	D	3

**LATE SUCCESSIONAL ASSOCIATED SPECIES KNOWN OR SUSPECTED TO OCCUR WITHIN
THE SOUTH UMPQUA RIVER/GALESVILLE LSR (R0223)**

SPECIES (common name)	HISTORY	PRESENCE	MONITORING LEVEL
MAMMALS			
Roosevelt elk	Y	D	3
Western red-backed vole	Y	D	3
Townsend's chipmunk	Y	D	3
Northern flying squirrel	Y	D	3
Dusky-footed woodrat	Y	D	3
Shrew-mole	Y	D	3
Deer mouse	Y	D	3
FISH			
Chinook salmon	Y	D	3
OTHER			
Traveling sideband (land snail)	N	S	N
Siskiyou hesperian (land snail)	N	S	N
VASCULAR PLANTS			
Alaska bog-orchid	Y	D	1
Alpine pyrola	Y	D	1
Beargrass	Y	D	1
Fairy-slipper	Y	D	1
Great wood-sorrel	Y	D	1
Ground-cone	Y	D	1
Indian-pipe	Y	D	1
Little prince's pine	Y	D	1
Marbled wild ginger	Y	D	1
Oregon fairy-bell	Y	D	1
Pacific yew	Y	D	1
Phantom-orchid	Y	D	1
Red huckleberry	Y	D	1

LATE SUCCESSIONAL ASSOCIATED SPECIES KNOWN OR SUSPECTED TO OCCUR WITHIN THE SOUTH UMPQUA RIVER/GALESVILLE LSR (R0223)			
SPECIES (common name)	HISTORY	PRESENCE	MONITORING LEVEL
Snowplant	Y	D	1
Spotted coral-root	Y	D	1
Trail-plant	Y	D	1
Western maidenhair-fern	Y	D	1
Western prince's pine	Y	D	1
Western rattlesnake-plantain	Y	D	1
Western redcedar	Y	D	1
Whipplevine	Y	D	1
White vein pyrola	Y	D	1
Wild ginger	Y	D	1
Yerba buena	Y	D	1

PRESENCE ABBREVIATIONS:

D -- Documented
 S -- Suspected, habitat present
 U -- Uncertain

HISTORY ABBREVIATIONS:

N -- No historic
 N -- No historic/chance/or protocol sightings
 Y -- Some historic/chance/or protocol searches done, species found
 I -- Intense searches/protocols done, species found

MONITORING LEVELS:

N -- No surveys done or planned
 1 -- Literature search only
 2 -- One field search done
 3 -- Some surveys completed
 4 -- Protocol completed

Appendix C

COMMON AND SCIENTIFIC NAMES SOUTH UMPQUA RIVER/GALESVILLE LSR ASSESSMENT (R0223)	
SPECIES (common name) ¹	SCIENTIFIC NAME
BIRDS	
American white pelican	<i>Pelecanus erythrorhynchos</i>
Bald eagle	<i>Haliaeetus leucocephalus</i>
Peregrine falcon	<i>Falco peregrinus anatum</i>
Mountain quail	<i>Oreortyx pictus</i>
Barred owl	<i>Strix varia</i>
Northern spotted owl	<i>Strix occidentalis caurina</i>
Flamulated owl	<i>Otus flammeolus</i>
Great gray owl	<i>Strix nebulosa</i>
Northern pygmy owl	<i>Glaucidium gnoma</i>
Northern saw-whet owl	<i>Aegolius acadicus</i>
Vaux's swift	<i>Chaetura vauxi</i>
Northern flicker	<i>Colaptes auratus</i>
Black-backed woodpecker	<i>Picoides arcticus</i>
Three-toed woodpecker	<i>Picoides tridactylus</i>
Red-breasted sapsucker	<i>Sphyrapicus ruber</i>
Pileated woodpecker	<i>Dryocopus pileatus</i>
Lewis' woodpecker	<i>Melanerpes lewis</i>
Acorn woodpecker	<i>Melanerpes formicivorous</i>
Hairy woodpecker	<i>Picoides villosus</i>
Purple martin	<i>Progne subis</i>
Pacific slope (western) flycatcher	<i>Empidonax difficilis</i>
Hammond's flycatcher	<i>Empidonax hammondii</i>
Chestnut-backed chickadee	<i>Parus rufescens</i>
Black-capped chickadee	<i>Parus atricapillus</i>
Pygmy nuthatch	<i>Sitta pygmaea</i>
White-breasted nuthatch	<i>Sitta carolinensis</i>

**COMMON AND SCIENTIFIC NAMES
SOUTH UMPQUA RIVER/GALESVILLE LSR ASSESSMENT (R0223)**

SPECIES (common name) ¹	SCIENTIFIC NAME
Red-breasted nuthatch	<i>Sitta canadensis</i>
Brown creeper	<i>Certhia americana</i>
Winter wren	<i>Troglodytes troglodytes</i>
Golden-crowned kinglet	<i>Regulus satrapa</i>
Western bluebird	<i>Sialia mexicana</i>
Swainson's thrush	<i>Catharus ustulatus</i>
Hermit thrush	<i>Catharus guttatus</i>
Warbling vireo	<i>Vireo gilvus</i>
Hermit warbler	<i>Dendroica occidentalis</i>
Wilson's warbler	<i>Wilsonia pusilla</i>
Red crossbill	<i>Loxia curvirostra</i>
AMPHIBIANS AND REPTILES	
Rough-skinned newt	<i>Taricha granulosa</i>
Pacific giant salamander	<i>Dicamptodon tenebrosus</i>
Northwestern salamander	<i>Ambystoma gracilis</i>
Dunn salamander	<i>Plethodon dunni</i>
Southern torrent salamander	<i>Rhyacotriton variegatus</i>
Clouded salamander	<i>Aneides ferreus</i>
Foothill yellow-legged frog	<i>Rana boylei</i>
Red-legged frog	<i>Rana aurora</i>
Tailed frog	<i>Ascaphus truei</i>
Northern sagebrush lizard	<i>Sceloporus graciosus</i>
Western pond turtle	<i>Clemmys marmorata</i>
Sharptailed snake	<i>Contia tenuis</i>

**COMMON AND SCIENTIFIC NAMES
SOUTH UMPQUA RIVER/GALESVILLE LSR ASSESSMENT (RO223)**

SPECIES (common name) ¹	SCIENTIFIC NAME
California mountain kingsnake	<i>Lampropeltis zonata</i>
Common kingsnake	<i>Lampropeltis getulus</i>
MAMMALS	
Roosevelt elk	<i>Cervus elaphus</i>
Shrew-mole	<i>Neurothrichus gibbsii</i>
Townsend's big-eared bat	<i>Plecotus townsendii</i>
Yuma myotis	<i>Myotis yumanensis</i>
Fringed myotis	<i>Myotis thysanodes</i>
Pacific pallid bat	<i>Antrozous palidus</i>
Silver haired bat	<i>Lasionycterus noctivagans</i>
Long-eared myotis	<i>Myotis evotis</i>
Long-legged myotis	<i>Myotis volans</i>
Ringtail	<i>Bassariscus astutus</i>
American marten	<i>Martes americana</i>
Fisher	<i>Martes pennanti</i>
Lynx	<i>Lynx canadensis</i>
Townsend's chipmunk	<i>Tamias townsendii</i>
Northern flying squirrel	<i>Glaucomys sabrinus</i>
Deer mouse	<i>Peromyscus maniculatus</i>
Dusky-footed woodrat	<i>Neotoma fuscipes</i>
White-footed vole	<i>Phenacomys albipes</i>
Red tree vole	<i>Phenacomys longicaudus</i>
Western red-backed vole	<i>Clethrionomys californicus</i>
FISH	
Pacific lamprey	<i>Lampetra tridentada</i>
Chinook salmon	<i>Onchorynchus tshawytscha</i>
Coho salmon	<i>Onchorynchus kisutch</i>
Umpqua cutthroat trout	<i>Onchorynchus clarki</i>

**COMMON AND SCIENTIFIC NAMES
SOUTH UMPQUA RIVER/GALESVILLE LSR ASSESSMENT (R0223)**

SPECIES (common name) ¹	SCIENTIFIC NAME
Steelhead trout (winter run)	<i>Onchorynchus mykiss</i>
Umpqua chub	<i>Oregonichthys kalawatseti</i>
INVERTEBRATES	
Traveling sideband (land snail)	<i>Monadenia fidelis celeuthia</i>
Siskiyou hesperian (land snail)	<i>Vespericola sierrana</i>
Oregon pearly mussel	<i>Pisidium ultramontanum</i>
Denning's agapetus caddisfly	<i>Agapetus denningi</i>
Green Springs mtn. farulan caddisfly	<i>Farula davisii</i>
Schuh's homoplectran caddisfly	<i>Homoplectra schuhi</i>
Obrien rhyacophilan caddisfly	<i>Rhyacophila colonus</i>
Siskiyou caddisfly	<i>Tinodes siskiyou</i>
Alsea ochrotrichian micro caddisfly	<i>Ochrotrichia alsea</i>
Vertree's ochrotrichian microcaddisfly	<i>Ochrotrichia vertreesi</i>
Vertree's ceraclea caddisfly	<i>Ceraclea(+Athripsodes) vertreesi</i>
Mt. Hood primitive brachycentridp caddisfly	<i>Eobrachycentrus gelidae</i>
Burnells' false water penny beetle	<i>Acneus burnelli</i>
Franklin's bumblebee	<i>Bombus franklini</i>
VASCULAR PLANTS²	
Alaska bog-orchid	<i>Haberia unalascensis</i>
Alpine pyrola	<i>Pyrola assarifolia</i>
Beargrass	<i>Xerophyllum tenax</i>
Candystick	<i>Allotropia virgata</i>
Clustered lady-slipper orchid	<i>Cypripedium fasciculatum</i>
Fairy-slipper	<i>Calypso bulbosa</i>
Great wood-sorel	<i>Oxalis trillifolia</i>
Ground cone	<i>Boschniakia strobilacea</i>
Indian pipe	<i>Monotropa uniflora</i>
Little prince's pine	<i>Chimaphila menziesii</i>

**COMMON AND SCIENTIFIC NAMES
SOUTH UMPQUA RIVER/GALESVILLE LSR ASSESSMENT (RO223)**

SPECIES (common name) ¹	SCIENTIFIC NAME
Marbled wild ginger	<i>Asarum hartwegii</i>
Mountain lady-slipper orchid	<i>Cypripedium montanum</i>
Oregon fairy-bell	<i>Disporum hookerii oregonum</i>
Pacific yew	<i>Taxus brevifolia</i>
Phantom orchid	<i>Eburophyton austinae</i>
Red huckleberry	<i>Vaccinium parvifolium</i>
Snowplant	<i>Synthyris reniformes</i>
Spotted coral-root	<i>Corallorhiza maculata</i>
Trail-plant	<i>Adenocaulum bicolor</i>
Western maidenhair-fern	<i>Adiantum pedatum</i>
Western prince's pine	<i>Chimaphila umbellata</i>
Western rattlesnake-plantain	<i>Goodyeara oblongifolia</i>
Western redcedar	<i>Thuja plicata</i>
Whipplevine	<i>Whipplea modesta</i>
White vein pyrola	<i>Pyrola picta</i>
Wild ginger	<i>Asarum caudatum</i>
Yerba buena	<i>Satureja douglasii</i>

¹ Animal species listed in taxonomic order within each heading (mammals, birds, etc).

² Vascular plants listed in alphabetical order of the common name.

Appendix D

Evaluation for creating treatment priorities near known spotted owl nest sites in the South Umpqua River/Galesville LSR.

The purpose of Appendix D is to list information about the spotted owl sites located within the South Umpqua River/Galesville LSR. The data helps to create a priority list that would guide where projects may occur to attain Late-Successional Reserve goals. Given the large database currently available on the location and distribution of owls within the LSR and amount and location of forest age classes on the landscape, it is feasible to choose project areas with specific purposes and goals in mind.

The following is an example of the priority selection process and owl site evaluation:

- a. Select owl sites that fall below habitat acre threshold of 1335 acres within 1.3 miles of an owl site (Table D-2). Sites that are currently below the 30 percent level should be assigned priority 1. These sites are also likely to be below the 500 acre suitable habitat threshold within .7 mile radius around known owl sites. Sites at the 30-40 percent level would be priority 2, and greater than 40 percent priority 3 for possible forest stand manipulation.
- b. Priority sites (1,2,or 3) should be further evaluated by including the reproductive history of the site, occupancy ranking, history ranking, and number of years site has been occupied by a pair. These variables are listed in Table D-1.
- c. Owl sites selected may be further evaluated by determining the seral age classes within the radii around the owl sites. The purpose here is to locate forest age classes adjacent to suitable habitat or within the 0.7 mile or 1.3 mile radii that may be manipulated to accelerate stand development toward late successional characteristics.
- d. Review connectivity information previously developed and overlay over spotted owl site information. The goal here is to evaluate the connectivity of suitable spotted owl habitat to other late successional habitat in the vicinity of the owl sites. In general terms, locate older age class stands (80+ years old) and analyze how the current blocks are connected to other similar blocks.

The evaluation should answer the following questions:

1. Does the provincial radii of owl sites contain forest stands suitable for manipulation that may accelerate attaining older age class characteristics?
2. Will stand manipulation aid in the development of connectivity between current owl site habitat and adjacent habitat?