



Appendix E. Botany

This appendix provides a list of federally listed and candidate plant species and actions and plans related to federally listed and BLM special status plant species. It also includes a list of special status plants by habitat group. The analysis of effects for plant species is based on using these habitat groups.

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Federally Listed and Candidate Plant Species

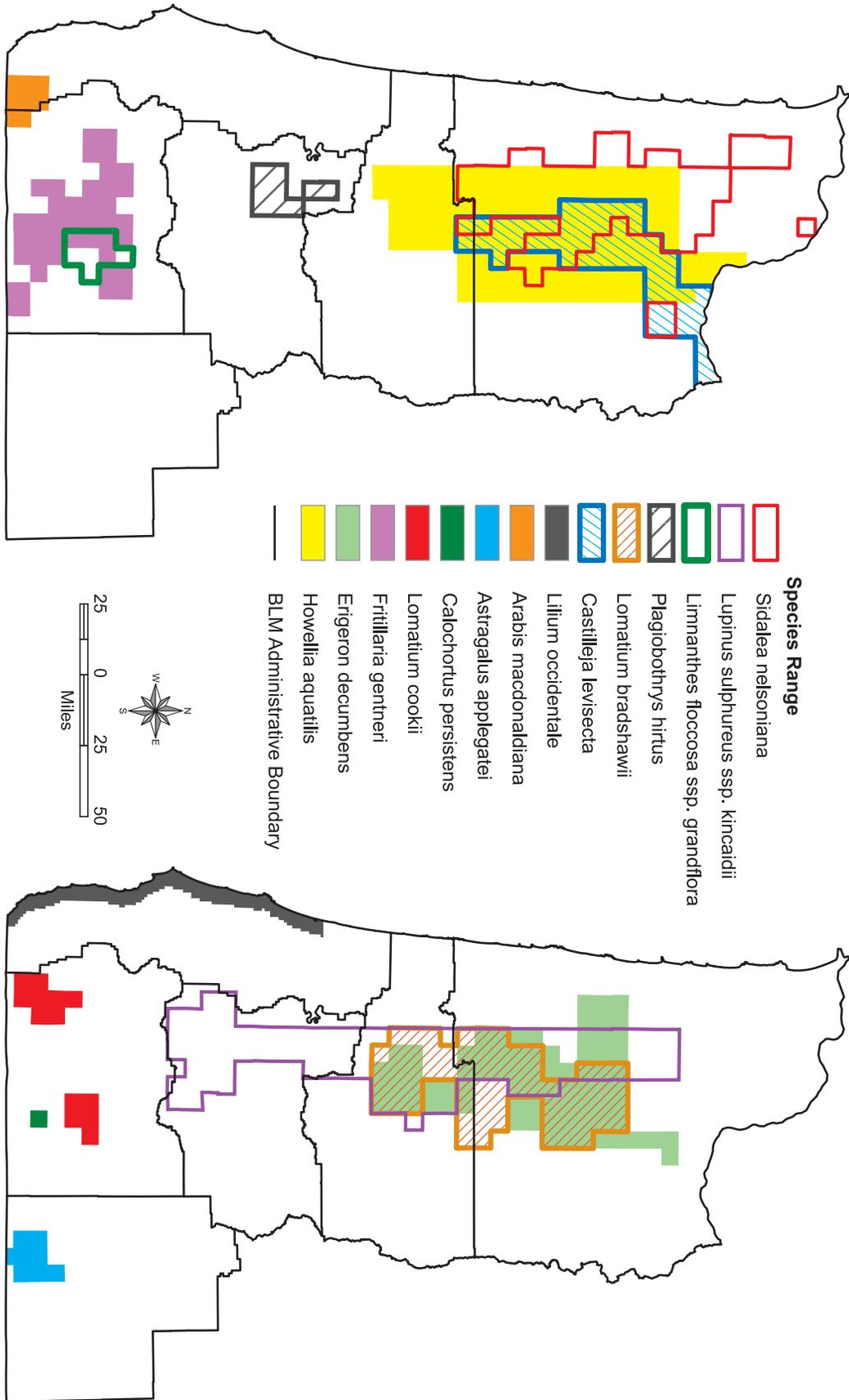
The following table and maps show the federally listed and candidate plant species in the planning area.

Table 239. Federally Listed and Candidate Plant Species

Federal Status	Species	Common Name	Critical Habitat Designation	Recovery Plan	Conservation Agreement
FTO	<i>Castilleja levisecta</i>	Golden Paintbrush	Not Designated	August-00	
FTO	<i>Howellia aquatilis</i>	Water Howellia	Not Designated	September-96	
FTO	<i>Lupinus sulphureus</i> ssp. <i>kincaidii</i>	Kincaid's Lupine	Not Designated		April-06
FTO	<i>Sidalcea nelsoniana</i>	Nelson's Checker-mallow	Not Designated	September-98	
FEO	<i>Arabis macdonaldiana</i>	MacDonald's Rock-Cress	Not Designated	February-84	
FEO	<i>Astragalus applegate</i>	Applegate's Milk-Vetch	Not Designated	April-98	
FEO	<i>Erigeron decumbens</i> var. <i>decumbens</i>	Willamette Valley Daisy	Not Designated		
FEO	<i>Fritillaria gentneri</i>	Gentner's Fritillary	Not Designated	July-03	
FEO	<i>Lilium occidentale</i>	Western Lily	Not Designated	March-98	
FEO	<i>Limnanthes floccosa</i> ssp. <i>grandiflora</i>	Large-Flowered Wooly Meadowfoam	Not Designated	Draft 2006	
FEO	<i>Lomatium bradshawii</i>	Bradshaw's Desert Parsley	Not Designated	August-93	
FEO	<i>Lomatium cookii</i>	Cook's Lomatium	Not Designated	Draft 2006	
FEO	<i>Plagiobothrys hirtus</i>	Rough Popcorn Flower	Not Designated	July-03	
FCO	<i>Calochortus</i> <i>persistens</i>	Siskiyou Mariposa lily	Not Designated		

FTO = Federally Threatened Oregon
 FEO = Federally Endangered Oregon
 FCO = Federal Candidate Oregon

Map 35. Federally Listed Plants



M06-12-02



Digest of Actions Contained in Individual Recovery Plans for Federally-Listed Plant Species

Recovery Plans for nine (9) federally-listed plant species have been completed and approved by the U.S. Fish and Wildlife Service. The individual recovery plans are incorporated by reference, and each stands on its own with a complete list of recovery actions.

The bulleted lists of conservation actions for each species are excerpts from the individual recovery plans. The key elements vary by species and by recovery plans, and are not intended to be a comprehensive list of all potential actions. Writing style and vocabulary differ as these recovery plans have been written by numerous authors over a period of 20 years.

Nelson's checker-mallow (*Sidalcea nelsoniana*) (USDI, USFWS 1998a)

- Establish reserves to manage for the recovery of the species;
- Actively manage habitat within reserves to achieve natural recruitment, population size and age structure;
- Manage reserves to maintain suitable habitat, to reduce succession and competition threats; and
- Augment populations, collect seed, and propagate seedlings.

Rough popcorn flower (*Plagiobothrys hirtus*) (USDI, USFWS 2003a)

- Conserve all existing populations and manage reserves within recovery areas for long-term viability of the species;
- Protect habitat within reserves including habitat for pollinators;
- Manage existing sites by reducing competition and impacts from native and non-native species; and
- Develop new populations in recovery units by planting or seeding areas.



**Kincaid's lupine (*Lupinus sulphureus* spp. *kincaidii*)
(Conservation Agreement applicable to the Roseburg District,
BLM only) (USDI USFWS 2006a)**

- Maintain stable populations by protecting and restoring habitat of each population;
- Maintain viable populations by reducing threats;
- Conserve a minimum of two meta-populations within the recovery zone in Douglas County;
- Conserve a minimum of 5,000 m² of occupied habitat;
- Survey suitable habitat for new populations and manage habitat to meet recovery goals;
- Select, protect and manage reserve populations to address threats and increase the population; and
- Introduce and/or augment populations into suitable habitat.

Western lily (*Lilium occidentale*) (USDI, USFWS 1998b)

- Search for additional sites and potential suitable habitat;
- Protect all known populations;
- Establish, delineate and secure management areas that include all necessary habitat and plants to sustain a viable population;
- Manage sites to enhance the habitat so that existing populations will naturally increase. Remove over-topping vegetation;
- Reintroduce or augment populations as prudent; and
- Allow grazing with minimal negative effects to the lily, or suspend during the flowering and fruiting season as prudent.

Gentener's fritillary (*Fritillaria gentneri*) (USDI, USFWS 2003b)

- Establish 8 management areas within 4 recovery units to provide for long-term maintenance or improvement of habitat;
- Develop protection strategies to reduce successional encroachment and shading, curtail new roads in habitat, control and prevention of invasive weed colonization, reduction of herbivory by deer and livestock, prevention of public bulb collection;
- Augment populations as needed to meet recovery criteria;
- Collect and cultivate bulblets for augmentation within management areas; and
- Survey for undiscovered populations in suitable habitat.



**Bradshaw's lomatium (*Lomatium bradshawii*)
(UDSI, USFWS 2003c)**

- Secure and manage habitat within 4 recovery areas;
- Establish 10 management areas, develop management plans, secure and protect the habitat supporting each population, and implement site specific plans;
- Enhance populations within management areas by reducing threats to the species. Manage secondary succession, habitat modification, competition from native and introduced species, removal of trees altering soil conditions, insect and fungal diseases, human impacts, herbicide impacts, and grazing impacts; and
- Locate additional sites by identifying potential habitat and conducting searches for additional populations.

**McDonald's rock-cress (*Arabis mcdonaldiana*)
(USDI, USFWS 1990)**

- Protect and conserve all existing populations and habitat;
- Identify and protect essential habitat;
- Survey additional suitable habitat; and
- Withdraw lands from mining, designate as "special areas", and acquire suitable habitat where possible.

Golden paintbrush (*Castilleja levisecta*) (USDI, USFWS. 2000)

- Maintain the current geographic distribution of the species by maintaining habitat integrity;
- Implement habitat management that includes; protection of sites with the best potential for providing long-term stable habitat, and maintenance of unoccupied, potential habitat in suitable condition;
- Establish new populations within the historic range of the species;
- Conduct inventory surveys for undiscovered populations in suitable habitat; and
- Reintroduce populations into unoccupied habitat in its former range.



**Applegate's milk-vetch (*Astaragalus applegate*)
(USDI, USFWS 1998c)**

- Conserve natural and introduced populations;
- Establish 6 recovery areas and develop management strategies for long-term stability;
- Manage the habitat of each population to achieve the desired population size and age structure, to encourage natural population recruitment and to minimize adverse impacts to populations;
- Inventory for undiscovered populations;
- Select population preservation and establishment sites;
- Secure extant populations and establishment sites; and
- Establish introduced populations and augment populations.

Water howellia (*Howellia aquatilis*) (USDI, USFWS 1996)

- Maintain the extant geographic range and habitat integrity that include the following key components; the maintenance of the natural vegetation, hydrologic, and geomorphologic conditions that determine the natural habitat succession rates and seasonal inundation and drying patterns of the habitat;
- Implement habitat management that will sustain occurrences and maintain habitat integrity to ensure functioning of meta-population dynamics;
- Provide protection on federal lands through special management designations such as Research Natural Areas or other designations;
- Conduct inventories in suitable habitat throughout the range of the species; and
- Develop and implement a reintroduction plan.

Digest of Conservation Plans for Special Status Plants

The lists below summarize the primary actions described in the agreements and strategies for Bureau sensitive species that would be applied on BLM managed lands. These lists are not intended to be complete and comprehensive. The conservation agreements and conservation strategies of each species are the documents that provide complete details and guide the management of the species.



Conservation Strategies

Gorman's Aster (*Aster gormanii*) (USDA, USDI 1994a)

- Maintain healthy reproductive populations at a variety of sites;
- Protect populations from immediate threats to their existence, such as: grazing by livestock or wildlife, habitat loss from timber harvest operations, road construction, and recreation; and
- Inventory suitable habitat of the species and collect baseline data on habitat requirements and vegetation community characteristics.

Silvery Phacelia (*Phacelia argentea*) (USDI, BLM, Coos Bay District 1995)

- Survey suitable habitat for new populations and update information of existing populations including threats and habitat;
- Improve occupied habitat and protect known populations from OHV use, European beachgrass infestation; and
- Collect seed for long term conservation.

Green Gentian (*Frasera umpquaensis*) (USDA, USDI 1993b)

- Ensure the continued viability of the species by designating all populations on BLM lands as critical to maintain viable, genetically stable populations;
- Protect populations from timber harvest operations, encroachment of trees into meadows, and fire suppression; and
- Field reconnaissance and survey for *F. umpquaensis* populations in potential habitat.

Columbia cress (*Rorippa columbiae*) (USDA, USDI 1996a)

- Employ one or more of the following actions to protect this species from livestock grazing and trampling: fence habitat and known populations, provide alternative water sources for cattle, alter grazing schedules to avoid the growing season of *R. columbiae* (April-October), and reduce or eliminate the number of livestock in the grazing unit;
- Allow higher water levels in early spring to reproduce the scouring effects of floods to help control the establishment of woody and weedy species.
- Provide populations with a 200-300 foot buffer near timber harvest sites;
- Install gates and signs to manage access by vehicles;
- Conduct inventory for potential habitat and undiscovered populations;



- Protect local hydrologic function by avoiding habitat changes when implementing erosion control, timber harvests and road construction projects; and
- Control competing herbaceous vegetation and invading tree species.

Tall Bugbane (*Cimicifuga elata*) (USDA, USDI 1996b)

- Selected sites will be managed to:
 - Maintain and enhance site viability.
 - Mitigate direct and indirect impacts, including: alterations in hydrology, canopy closure, changes in habitat from timber harvest, and road building in order to create and maintain conditions favorable for the *C. elata*.
- Management for non-selected populations is discretionary;
- Improve the quality of existing habitat through broadcast burning and thinning to create and maintain forest gaps;
- Collect seeds and fruits for long term storage and potential future propagation;
- Install signs and protect populations within road right of ways. Restrict blading and ditching activities that would harm populations;
- Salvage plants for relocation when protection is not possible;
- Identify suitable habitat where reintroductions would benefit the species; and
- Inventory in suitable habitat.



Conservation Agreements

Large-flowered rush lily (*Hastingsia bracteosa*), Purple-flowered rush lily (*Hastingsia atropurpurea*, Mendocino gentian (*Gentiana setigera*), Oregon willow-herb (*Epilobium oreganum*), and Western bog violet (*Viola primulifolia* ssp. *occidentalis*) (USDA, USDI 2006)

- Provide conservation for five rare plant species and their serpentine wetland habitat, known as *Darlingtonia californica* fens;
- Inventory to identify new suitable and/or occupied habitat;
- Manage the *Darlingtonia* fens and protect their significant biological and ecological functions and values; and
- Protect *Darlingtonia* fens from threats such as: mining activities, road construction and maintenance, up slope logging, OHV use, fire suppression activities, water siphoning, over utilization for commercial, recreational, scientific or educational purposes, and from several invasive and noxious weed species.

Crinite Mariposa Lily (*Calochortus coxii*) (USDI, BLM and USFWS 2004f)

- Restore *Calochortus coxii* meadow habitat with native bunchgrasses and/or prescribe burn on a frequency matching natural fire return level. Thin or girdle trees to produce gaps in forest habitat;
- Inventory and control invasive and noxious weeds using integrated pest management (mechanical, manual, biological, and chemical methods);
- Exclude livestock inside habitat of *C. coxii*; and
- Collect seeds for long term conservation and propagation.

Umpqua Mariposa Lily (*Calochortus umpquaensis*) (USDA, USDI BLM and USFWS 1995)

- Acquire habitat on private lands to increase the amount of habitat in Federal ownership;
- Mitigate impacts from energy right of way and corridors;
- Manage livestock grazing and vehicle access inside habitat by installing gates and fences;
- Maintain and restore *Calochortus umpquaensis* meadow habitat with native bunchgrasses or other native species;
- Conduct prescribed burning and thinning to produce gaps in forest habitat; and
- Conduct inventories of potential habitat.



Habitat Groups

For the analysis of effects, special status plant species were categorized based on habitat relationships as shown in Table 240. A species can occur in more than one habitat group. Survey and Manage Species under No Action were also categorized by habitat and are shown in Table 241.

Habitat Groups and Abbreviations are as follows:

MG=Meadows/Grassland, SC=Shrub Community, OHW=Oak/Hardwood Woodlands, CF=Conifer/Mixed Evergreen Forest, SW=Seasonal Wetland Fens/Vernal Pools, RI=Riparian and Aquatic, SE=Serpentine Areas, RK=Rocky Areas Outcrops/Scree, MZ=Maritime Zone

Bureau Status and abbreviations are as follows:

SEO= State Endangered Oregon, STO=State Threatened Oregon, BAO=Bureau Assessment Oregon, BSO=Bureau Sensitive Oregon, FEO=Federally Endangered Oregon, FTO=Federally Threatened Oregon.

Taxon and abbreviations are as follows:

VA=Vascular, FU=Fungi, BR=Bryophyte, LI=Lichen



Table 240. Special Status Plant Species Habitat Groups

Habitat Groups	Scientific Name	Common Name	Bureau Status	Taxon	Life Form	Habitat Description
MZ	ABRONIA UMBELLATA SSP. BREVIFLORA	PINK SAND- VERBENA	SEO	VA	forb	Sandy areas, coastal dunes and scrub
CF, RK	ADIANTUM JORDANII*	CALIFORNIA MAIDEN-HAIR	BAO	VA	fern	Shaded seeps, hillsides, moist woods, rocky outcrops, vertical cliffs, forest openings, rocky banks in mists, in falls spray. Suspected – only a historic site on the UW RA.
MG	AGOSERIS ELATA	TALL AGOSERIS	BAO	VA	forb	Meadows, shrubby slopes and open woodlands to mid elevation. 1200 ft near Roseburg
MG	AGROSTIS HENDERSONII	HENDERSON'S BENTGRASS	BSO	VA	graminoid	Vernal pools
RK	AGROSTIS HOWELLII*	HOWELL'S BENTGRASS	BSO	VA	graminoid	moist cliffs, Columbia Gorge
MZ, CF	ALBATRELLUS AVELLANEUS		BSO	FU	FUNGUS	Terrestrial in chaparell, hardwood and conifer habitat, mycorrhizal with pines
SE	ALLIUM PENINSULARE	PENINSULAR ONION	BAO	VA	forb	dry slopes and flats
CF	ALPOVA ALEXSMITHII		BSO	FU	FUNGUS	buried in humus soil, near alders
RI, RK	ANDREAEA SCHOFIELDIANA		BAO	BR	MOSS	acidic rock, granite
MG	ANDROSACE ELONGATA SSP. ACUTA	LONG-STEMMED ANDROSACE	BAO	VA	forb	dry grassy slopes
MG	ANEMONE OREGANA VAR. FELIX	BOG ANEMONE	BAO	VA	forb	bogs in shady woods
RK	ARABIS KOEHLERI VAR. KOEHLERI*	KOEHLER'S ROCKCRESS	BSO	VA	subshrub	Dry, rocky cliffs
SE, RK	ARABIS MACDONALDIANA	MACDONALD'S ROCK-CRESS	FEO	VA	forb	Serpentine or granitic slopes ridges and rock outcrops, crevices and openings in Jeffery pine forests
SE, RK	ARABIS MODESTA	ROGUE CANYON ROCKCRESS	BAO	VA	forb	Serpentine soils, deep soil on steep slopes, cliffs, shaded canyon ledges
RK	ARABIS SPARSIFLORA VAR. ATRORUBENS	SICKLE-POD ROCKCRESS	BAO	VA	forb	Rocky slopes, valleys

* Species with 20 or fewer populations



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Habitat Groups	Scientific Name	Common Name	Bureau Status	Taxon	Life Form	Habitat Description
RK	ARABIS SUFFRUTESCENS VAR. HORIZONTALIS	CRATER LAKE ROCKCRESS	BSO	VA	subshrub	Gravelly or stony slopes, dry pumice
CF	ARCANGELIELLA CAMPHORATA*		BSO	FU	FUNGUS	in duff under conifers and mixed hardwoods
SE,SC	ARCTOSTAPHYLOS HISPIDULA	HAIRY MANZANITA	BAO	VA	shrub	Rocky serpentine soils or sandstone, open shrub and forests, not fire tolerant
RK	ARNICA VISCOSA	SHASTA ARNICA	BAO	VA	subshrub	Open, rocky, subalpine to alpine sites
MZ	ARTEMISIA PYCNOCEPHALA	COASTAL SAGEWORT	BAO	VA	forb	Rocky or sandy soils, coastal strand
CF	ASARUM WAGNERI	GREEN- FLOWERED WILD- GINGER	BSO	VA	forb	Open boulder fields under White-fir/Red fir conifer stands near Mt McGlofflin at timberline,
RK	ASPENIUM SEPTENTRIONALE	GRASS-FERN	BAO	VA	Spleen wort	Crevices of granite rocks
CF	ASTER BREWERI	BREWER'S ASTER	BAO	VA	subshrub	Subalpine meadows, open woods
MG,SW	ASTER CURTUS (Sericocarpus rigidus)	WHITE-TOPPED ASTER	STO	VA	forb	wet prairies, low elevations (humid and arid transition zone - Abrams)
RK	ASTER GORMANII	GORMAN'S ASTER	BSO	VA	forb	dry, rocky slopes, boreal zone
SW	ASTRAGALUS APPLEGATEI	APPLEGATE'S MILK-VETCH	FEO/ SEO	VA	forb	Moist meadows,
MG	ASTRAGALUS CALIFORNICUS	CALIFORNIA MILK- VETCH	BAO	VA	forb	Dry, open areas in scrub, woodland
RK	ASTRAGALUS PECKII	PECK'S MILK- VETCH	STO	VA	forb	dry, sandy ground
RI	BACCHARIS DOUGLASII	MARSH BACCHARIS	BAO	VA	forb	Moist salt marshes, stream edges
MG	BALSAMORHIZA HOOKERI VAR. LANATA	WOOLLY BALSAMROOT	BSO	VA	forb	Open woods, grassy slopes
SW,RI, CF	BENSONIELLA OREGANA	BENSONIA	BSO	VA	forb	Wet meadows, bogs and streams in deep soils under conifer forests
RK	BOLANDRA OREGANA	OREGON BOLANDRA	BSO	VA	subshrub	Near streams and moist rock crevices, wet cliffs in deep shade to open areas, lower Columbia river gorge
CF	BOLETUS PULCHERRIMUS		BSO	FU	FUNGUS	mixed woods and conifers



Habitat Groups	Scientific Name	Common Name	Bureau Status	Taxon	Life Form	Habitat Description
CF	BOTRYCHIUM MONTANUM	MOUNTAIN GRAPE-FERN	BAO	VA	grape-fern	Shady coniferous forests, edges of bogs, cedar swamps
RK	BOTRYCHIUM PUMICOLA	PUMICE GRAPE-FERN	STO	VA	grape-fern	fine pumice gravel on open slopes, dense lodgepole pine stands, high elevation
RK	BRACHYDONTIUM OLYMPICUM		BAO	BR	MOSS	rock, tiny
CF	BRIDGEOPORUS NOBILISSIMUS		BSO	FU	FUNGUS	conifer forests, true firs, Silver fir zone
MZ	BRODIAEA TERRESTRIS	DWARF BRODIAEA	BAO	VA	forb	Grassland, open woodlands
SW	BRUCHIA FLEXUOSA		BAO	BR	MOSS	Wet prairie habitat, mud flats around reservoir, low elevation grasslands
MZ, CF	BRYORIA PSEUDOCAPILLARIS		BSO	LI	Lichen	Picea sitchensis forests, exposed sites along the immediate coast, canopy, bark and wood,
MZ, CF	BRYORIA SPIRALIFERA		BSO	LI	Lichen	mostly conifers but also hardwoods, canopy, bark and wood, spiralling around branches, within 2 miles of coast
MZ, CF	BRYORIA SUBCANA*		BAO	LI	Lichen	Picea sitchensis forests, mostly conifers but also hardwoods and shrubs, canopy, bark and wood, spiralling around branches, along coastal bays and streams, ridges and summits in CA
RI, RK	BRYUM CALOBRYOIDES*		BAO	BR	MOSS	montane to alpine elevations in the Coast Ranges and the Rocky Mountains
SW	BULBOSTYLIS CAPILLARIS	SAND SEDGE	BAO	VA	forb	Meadows, grassy clearings
RI	CALAMAGROSTIS BREWERI	BREWER'S REEDGRASS	BAO	VA	grass	Moist subalpine and alpine meadows, lake margins, streambanks
CF	CALICIUM ADSPERSUM		BAO	LI	Lichen	Highly textured bark on the boles of old growth conifer trees
SW	CALLIERGON TRIFARIUM		BAO	BR	MOSS	wetland sites, bogs and fens



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Habitat Groups	Scientific Name	Common Name	Bureau Status	Taxon	Life Form	Habitat Description
SE, MG, CF	CALOCHORTUS COXII*	CRINITE MARIPOSA-LILY	SEO	VA	forb	ultramafic slopes, open woodlands
SC, MG	CALOCHORTUS GREENEI	GREENE'S MARIPOSA-LILY	BSO	VA	forb	Dry rocky hillsides, bluffs and flats in openings and margins of shrubs and conifer woodlands
SE	CALOCHORTUS HOWELLII	HOWELL'S MARIPOSA-LILY	STO	VA	forb	ultramafic soils in meadows, open woodlands
SE	CALOCHORTUS INDECORUS	SEXTON MT. MARIPOSA-LILY	SEO	VA	forb	ultramafics, open slopes,
RK, MG	CALOCHORTUS MONOPHYLLUS*	ONE-LEAVED MARIPOSA-LILY	BAO	VA	forb	Wooded slopes, clay-loam soils
RK	CALOCHORTUS NITIDUS*	BROAD-FRUIT MARIPOSA-LILY	BAO	VA	forb	grasslands and meadows
RK	CALOCHORTUS PERSISTENS*	SISKIYOU MARIPOSA-LILY	FCO	VA	forb	Open, dry rocky ridgetops
SE, MG, CF	CALOCHORTUS UMPQUAENSIS	UMPQUA MARIPOSA-LILY	SEO	VA	forb	open forests and grasslands
RI, SW	CALYPOGEIA SPHAGNICOLA		BAO	BR	LIVER-WORT	Wetland bogs containing sphagnum
MG, SE	CAMASSIA HOWELLII	HOWELL'S CAMAS	BSO	VA	forb	serpentine slopes, open woodlands
OHW, MG	CAMISSONIA GRACILIFLORA	SLENDER-FLOWERED EVENING-PRIMROSE	BAO	VA	forb	Open or shrubby slopes, generally clay soils, grasslands, oak woodlands
MZ, RI	CAMPYLOPUS SCHMIDII*		BAO	BR	MOSS	Wetlands along the coast. In partially-stabilized coastal sand dunes w/in one mile of ocean. In open stands of shore pine, cedar & cypress; shaded to exposed sand around the edges of vernal pools, and in deflation plains
RK	CARDAMINE PATTERSONII	SADDLE MOUNTAIN BITTERCRESS	BSO	VA	forb	Moist, mossy rocks, cliffs, open slopes with shallow soil.
RI	CAREX ABRUPTA	ABRUPT-BEAKED SEDGE	BAO	VA	sedge	Generally moist meadows, open forest
MZ, RI	CAREX BREVICAULIS	SHORT STEMMED SEDGE	BAO	VA	sedge	Rocky or sandy soil; sand dunes in Festuca rubra community; coastal
RI	CAREX BRUNNESCENS SSP. BRUNNESCENS	BROWNISH SEDGE	BAO	VA	sedge	wet places, banks and open woods



Habitat Groups	Scientific Name	Common Name	Bureau Status	Taxon	Life Form	Habitat Description
RI	CAREX CAPITATA	CAPITATE SEDGE	BAO	VA	sedge	Generally wet places
RI, SW	CAREX COMOSA	BRISTLY SEDGE	BAO	VA	sedge	Marshes, lakeshores and wet meadows
MZ, RI	CAREX CRAWFORDII	CRAWFORD'S SEDGE	BAO	VA	sedge	open places
RI	CAREX DIANDRA	LESSER PANICLED SEDGE	BAO	VA	sedge	Marshy meadows
RI, MG, CF, SW	CAREX GYNODYNAMA	HAIRY SEDGE	BAO	VA	sedge	Wet meadows; open forests; <600m
RI	CAREX LASIOCARPA VAR. AMERICANA	SLENDER SEDGE	BAO	VA	sedge	Lake, pond shores, generally in standing water
RI	CAREX LIVIDA	PALE SEDGE	BAO	VA	sedge	Bogs, swampy woods, OR coast and Cascades, extirpated in CA
RI	CAREX RETRORSA	RETRORSE SEDGE	BAO	VA	sedge	Edges of sloughs and lakes, swamps, bogs, wet meadows; in foothills and lowlands
SE, RI, SW	CAREX SCABRIUSCULA	SISKIYOU SEDGE	BAO	VA	sedge	marshy meadows, swamps, bogs, moist rocky slopes
OHW, SW, RI	CAREX SERRATODENS	SAW-TOOTH SEDGE	BAO	VA	sedge	Moist places
SW, RI	CAREX SP. NOV.	A SEDGE	BSO	VA	sedge	
CF	CASTILLEJA CHLOROTICA	GREEN-TINGED PAINTBRUSH	BSO	VA	forb	
SW, MG	CASTILLEJA LEVISECTA	GOLDEN PAINTBRUSH	FTO/SEO	VA	forb	lowland meadows and along water
MZ, SC	CASTILLEJA MENDOCINENSIS	MENDOCINO COAST INDIAN PAINTBRUSH	BSO	VA	forb	coastal bluffs, coastal prairie, scrub and conifer forests
RK	CASTILLEJA RUPICOLA	CLIFF PAINTBRUSH	BAO	VA	forb	rock cliffs in Cascades
RI	CERATOPHYLLUM ECHINATUM	PRICKLY HORNWORT	BAO	VA	aquatic forb	Lakes, ponds, marshes. More acidic and oligotrophic water than common hornwort.
RK	CHEILANTHES COVILLEI	COVILLE'S LIP-FERN	BAO	VA	fern	Crevices, bases of rocks, sun or shade
RK	CHEILANTHES INTERTEXTA	COASTAL LIPFERN	BAO	VA	fern	Crevices, bases of rocks
RI	CHILOSCYPHUS GEMMIPARUS		BSO	BR	LIVERWORT	Attached to rocks in the bed of cold water streams, submerged or emergent in the splash zone (known from 2 localities in OR)



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Habitat Groups	Scientific Name	Common Name	Bureau Status	Taxon	Life Form	Habitat Description
OHW	CHLOROGALUM ANGUSTIFOLIUM*	NARROW-LEAVED AMOLE	BAO	VA	forb	Heavy soils of grassland or woodland
RI, OHW, SW, MG, RK	CICENDIA QUADRANGULARIS*	TIMWORT	BAO	VA	forb	Crevices, bases of rocks, coastal wetlands, vernal pools, moist valley grasslands and oak woodland
RI	CICUTA BULBIFERA	BULB-BEARING WATER-HEMLOCK	BAO	VA	forb	marshes and lake borders
CF	CIMICIFUGA ELATA	TALL BUGBANE	BSO	VA	forb	Moist shady woods, open canopy, at lower elevations, often with big leaf maple in overstory, always dominant swordfern ground cover; north to northeast-facing steep slopes; mid-slope: near creeks
OHW, MG	CIRSIIUM CILIOLATUM	ASHLAND THISTLE	BSO	VA	forb	Open woodland
MZ, RK	CLADIDIUM BOLANDERI		BAO	LI	Lichen	Crustose microlichen, rock outcrops in coastal prairies, Bodega Bay, CA
OHW	CLARKIA HETERANDRA	SMALL-FRUIT CLARKIA	BAO	VA	forb	Shady sites, woodland, yellow-pine forest
MZ	COCHLEARIA OFFICINALIS	SPOONWORT	BAO	VA	forb, maritime succulent	Open woodland, coastal headlands and offshore rocks
CF, RI, MG	COLLOMIA MAZAMA	MT. MAZAMA COLLOMIA	BSO	VA	forb	open forests, rock outcrops
RI, CF	COPTIS TRIFOLIA	THREE-LEAF GOLDTHREAD	BAO	VA	forb	cool, moist conifer forests
RI	CORDYLANTHUS MARITIMUS SSP. PALUSTRIS	POINT REYES BIRD'S BEAK	SEO	VA	forb	Coastal salt marshes
RI, CF	CORYDALIS AQUAE-GELIDAE	COLD-WATER CORYDALIS	BSO	VA	aquatic forb	margins of springs, streams and gravel bars, gravel substrate, riparian, intermediate canopy closure
RI, RK	CRUMIA LATIFOLIA		BAO	BR	MOSS	On wet rocks and cliff faces, riparian, often on calcareous substrates. May be submerged in streams.
MZ	CRYPTANTHA LEIOCARPA	SEASIDE CRYPTANTHA	BAO	VA	forb	Stable and shifting sand dunes



Habitat Groups	Scientific Name	Common Name	Bureau Status	Taxon	Life Form	Habitat Description
RK	CRYPTANTHA MILO-BAKERI	MILO BAKER'S CRYPTANTHA	BAO	VA	forb	Rocky or gravelly soils, generally coniferous forest
RK	CRYPTOGRAMMA STELLERI	STELLER'S ROCK-BRAKE	BAO	VA	fern	moist shaded cliffs, mid to upper montane
CF	CRYPTOMITRIUM TENERUM		BAO	BR	LIVER-WORT	Partly shady slope with Lithocarpus and Umbrellularia on soil in trail cut. Abundant with capsules.
CF	CUPRESSUS BAKERI*	BAKER'S CYPRESS	BAO	VA	tree	Mixed-evergreen forests, open slopes, flats, basalt or serpentine
RI	CYPERUS ACUMINATUS	SHORT-POINTED CYPERUS	BAO	VA	forb	Wet, low places in valley and lowlands, edges of temporary pools, ponds, streams, ditches
CF	CYPRIPEDIUM FASCICULATUM	CLUSTERED LADY'S-SLIPPER	BSO	VA	forb	Open coniferous forest
MG, RK	DELPHINIUM LEUCOPHAEUM	WHITE ROCK LARKSPUR	SEO	VA	forb	low, moist meadows, rocky banks
RK, CF, OHW	DELPHINIUM NUDICAULE	RED LARKSPUR	BAO	VA	forb	Common. Moist talus, wooded, rocky slopes:
RI, MG	DELPHINIUM NUTTALLII	NUTTALL'S LARKSPUR	BAO	VA	forb	low, moist meadows
MG, OHW	DELPHINIUM OREGANUM	WILLAMETTE VALLEY LARKSPUR	BSO	VA	forb	open plains and hillsides
OHW	DELPHINIUM PAVONACEUM	PEACOCK LARKSPUR	SEO	VA	forb	meadows
MZ, CF	DERMOCYBE HUMBOLDTENSIS*		BSO	FU	FUNGUS	on ground under conifers, particularly pines
CF	DESTUNTZIA RUBRA		BSO	FU	FUNGUS	buried in soil or duff in mixed woods or conifers, favors Doug-fir
RK	DICENTRA PAUCIFLORA	FEW-FLOWERED BLEEDINGHEART	BAO	VA	forb	Gravelly areas, high elevation coastal range
RI, CF	DIPLOPHYLLUM PLICATUM		BAO	BR	LIVER-WORT	Cool, moist habitats, decayed wood, downed logs, trunks, soil and rocks, moist shaded cliffs, along rivers and stream banks
RI, CF	DODECATHEON AUSTRORFRIGIDUM*	FRIGID SHOOTINGSTAR	BSO	VA	forb	open or shaded vernal moist areas, cliffs or rock slopes



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RK	DRABA HOWELLII	HOWELL'S WHITLOW-GRASS	BSO	VA	forb	Rock crevices
RI	ELEOCHARIS PARVULA	SMALL SPIKERUSH	BAO	VA	forb	Wet saline or alkaline sites; marshes. Coastal in OR, including deflation plains.
RI	ENCALYPTA BREVICOLLA VAR. CRUMIANA		BSO	BR	MOSS	exposed rocky areas , cost range, high elevation
MG, RI, OHW	ENTOSTHODON FASCICULARIS*		BAO	BR	MOSS	growing on rock outcrops, soil, dry, open habitats
SW	EPILOBIUM OREGANUM	OREGON WILLOW-HERB	BSO	VA	forb	Ultramafics, wet meadows, bogs, small streams, ditches, full sun or part shade
OHW, SC	ERICAMERIA ARBORESCENS	GOLDEN FLEECE	BAO	VA	shrub	Foothill woodland and chaparral
SE, MG, RK	ERIGERON CERVINUS	SISKIYOU DAISY	BAO	VA	forb	Open, rocky slopes, meadows, pine to fir woods and serpentine areas
MG, OHW, SW	ERIGERON DECUMBENS VAR. DECUMBENS	WILLAMETTE VALLEY DAISY	FEO/SEO	VA	forb	Woodland, open forest
RK, MG	ERIGERON HOWELLII	HOWELL'S DAISY	BSO	VA	forb	moist often rocky places
RI, MG	ERIGERON PEREGRINUS VAR. PEREGRINUS	WANDERING DAISY	BAO	VA	forb	moist meadow, streamsides or bogs in mts
MZ, CF	ERIODERMA SOREDIATUM*		BAO	LI	Lichen	costal fog zone, bark or wood of hardwoods and conifers
RK	ERIOGONUM LOBBII	LOBB'S BUCKWHEAT	BAO	VA	forb	Common. Open, rocky slopes and ridges
MG	ERIOGONUM UMBELLATUM VAR. GLABERRIMUM	GREEN BUCKWHEAT	BSO	VA	forb	Sand or gravel
RI	ERIOPHORUM CHAMISSONIS	RUSSET COTTON-GRASS	BAO	VA	sedge	Bogs, swamps and wet places. Open, rocky slopes and ridges, also coastal bogs
MG	ERODIUM MACROPHYLLUM	LARGE-LEAVED FILAREE	BAO	VA	forb	Open sites, grassland, scrub
SW	ERYNGIUM ALISMIFOLIUM	INLAND COYOTE-THISTLE	BAO	VA	forb	Vernal pools, flooded meadows
MZ	ERYSIMUM MENZIESII SSP. CONCINNUM	PACIFIC WALLFLOWER	BAO	VA	forb	Open sites, grassland, scrub, coastal bluffs, headlands, and cliffs



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MG, CF, RK	ERYTHRONIUM ELEGANS	COAST RANGE FAWN-LILY	STO	VA	forb	Northern Coast Range in Oregon, in open meadows, rocky cliffs, brushland, edges of sphagnum bogs (Grenier 1991), old & second growth conifer & hardwood forests w/ open canopies; also in shaded woods where plants smaller and may not flower; forest edges, roadsides; south facing dry sites w/ poison oak
SE,CF	ERYTHRONIUM HOWELLII	HOWELL'S ADDER'S-TONGUE	BSO	VA	forb	serpentine influence, meadows open woodlands, mixed evergreen
RK,MG	ESCHSCHOLZIA CAESPITOSA*	GOLD POPPY	BAO	VA	forb	Open chaparral, rocky slopes
CF, ME, MG, OHW	EUCEPHALUS VIALIS	WAYSIDE ASTER	STO	VA	forb	rocky hillsides, open woodland, chaparral
RI	EUCLADIUM VERTICILLATUM		BAO	BR	MOSS	seeps and springs, high calcareous or alkaline, areas of tufa precipitation
OHW, MG	FESTUCA ELMERI	ELMER'S FECSUE	BAO	VA	grass	Moist, wooded slopes, under trees in rich soil
RI, CF	FILIPENDULA OCCIDENTALIS	QUEEN-OF-THE-FOREST	BSO	VA	forb	Riparian along streams
MG,CF	FRASERA UMPQUAENSIS	UMPQUA SWERTIA	BSO	VA	forb	open woodlands, meadows in mid to upper elevations
MG, RI	FRITILLARIA CAMSCHATCENSIS	INDIAN RICE	BAO	VA	forb	moist areas, tideflats to mt meadows
OHW,MG, SC,CF	FRITILLARIA GENTNERI	GENTNER'S FRITILLARY	FEO/SEO	VA	forb	open woods and thickets
SE, RK	FRITILLARIA GLAUCA	SISKIYOU FRITILLARIA	BAO	VA	forb	Serpentine, rocky dry ridges and slopes
RK	FRITILLARIA PURDYI	PURDY'S FRITILLARY	BAO	VA	forb	Serpentine, rocky dry ridges and slopes
CH,RK, MG, SC	FUNARIA MUHLENBERGII		BAO	BR	MOSS	rock outcrops, open canopy Medford Dist, desert areas
CF	GASTROBOLETUS IMBELLUS		BSO	FU	FUNGUS	buried in soil or duff in mixed woods or conifers
SW	GENTIANA NEWBERRYI	NEWBERRY'S GENTIAN	BAO	VA	forb	MT meadows, banks, sub-alpine



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SW	GENTIANA PLURISSETOSA	ELEGANT GENTIAN	BSO	VA	forb	UNCOMMON. Wet mtn meadows
SW	GENTIANA SETIGERA	WALDO GENTIAN	BSO	VA	forb	Wet mtn meadows and bogs, sometimes scree
MZ	GILIA MILLEFOLIATA	SEASIDE GILIA	BSO	VA	forb	Stabilized or shifting coastal dunes
CF	GYMNOMYCES NONDISTINCTA		BSO	FU	FUNGUS	buried in soil or duff in conifers stands
MG	HACKELIA BELLA	BEAUTIFUL STICKSEED	BAO	VA	forb	Streambanks, roadsides, forest openings
SW	HASTINGSIA BRACTEOSA VAR. ATROPURPUREA	PURPLE-FLOWERED RUSH-LILY	BSO	VA	forb	Serpentine mountain meadows and springs
SW	HASTINGSIA BRACTEOSA VAR. BRACTEOSA	LARGE-FLOWERED RUSH-LILY	STO	VA	forb	Serpentine mountain meadows and springs
SW	HELIOTROPIUM CURASSAVICUM	SALT HELIOTROPE	BAO	VA	forb	Moist to dry, saline soils
SW	HELODIUM BLANDOWII		BAO	BR	MOSS	bogs and fens
RK	HERBERTUS ADUNCUS		BAO	BR	LIVER-WORT	wet shady cliffs and bark of trees, basalt outcrops
RI	HERBERTUS SAKURAI		BAO	BR	LIVER-WORT	shaded cliffs
MZ, CF	HETERODERMIA LEUCOMELOS		BAO	LI	Lichen	coast fog zone, on conifers hardwoods and occasionally rock
CF	HETERODERMIA SITCHENSIS		BAO	LI	Lichen	immediat coast
MG	HORKELIA CONGESTA SSP. CONGESTA	SHAGGY HORKELIA	BSO	VA	forb	Vernally moist, sparsly wooded areas, meadows and grasslands on rocky clay, generally ultramafic
OHW	HORKELIA TRIDENTATA SSP. TRIDENTATA	THREE-TOOTHED HORKELIA	BAO	VA	forb	Granitic or volcanic soils
RI	HOWELLIA AQUATILIS	WATER HOWELLIA	FTO	VA	aquatic forb	In stagnant ponds and sloughs.
MZ, RI	HYDROCOTYLE VERTICILLATA	WHORLED MARSH-PENNYWORT	BAO	VA	forb	Along edges of coastal and inland lakes on granitic or volcanic soils, swampy ground, wetlands
MZ, CF	HYPOGYMNIA PULVERATA		BAO	LI	Lichen	coastal OR



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MZ, CF	HYPOGYMNIA SUBPHYSODES		BAO	LI	Lichen	Shore pine forest on Oregon coast, only known location
CF, MZ	HYPOTRACHYNA REVOLUTA		BAO	LI	Lichen	coastal, on trees and rocks, Cascades in WA, near Seattle.
CF,SC	ILIAMNA BAKERI	BAKER'S GLOBE-MALLOW	BSO	VA	forb	UNCOMMON. Mtn slopes, pine forests, juniper woodland, lava beds
CF,RI	ILIAMNA LATIBRACTEATA	CALIFORNIA GLOBE-MALLOW	BAO	VA	forb	Moist ground and stream sides in conifer forests, often on shady, disturbed ground
CF	IWATSUKIELLA LEUCOTRICHA		BAO	BR	MOSS	conifer tree trunks on fog drenched ridges
RI	JAMESONIELLA AUTUMNALIS VAR. HETEROSTIPA		BSO	BR	LIVER-WORT	Apparently an obligate aquatic, on stones, in moving water or in deep, ultra-oligotrophic lakes, bottom of Waldo Lake OR
RK	KALMIOPSIS FRAGRANS	FRAGRANT KALMIOPSIS - (DOUGLAS CO. POP.)	BSO	VA	forb	
CF	KECKIELLA LEMMONII	BUSH BEARDTONGUE	BAO	VA	subshrub or shrub	Rocky slopes, coniferous and mixed forests, chaparral
RI	KURZIA MAKINOANA*		BAO	BR	LIVER-WORT	in forests, rocky cliffs and ledges, shaded moist sites,bogs
MZ	LASTHENIA MACRANTHA SSP. PRISCA	LARGE-FLOWERED GOLDFIELDS	BSO	VA	forb	Coastal headlands
OHW,CF MG	LATHYRUS HOLOCHLORUS	THIN-LEAVED PEAVINE	BSO	VA	forb	open forests and thickets, margins of woods; roadsides, fencerows and near farmlands
CF, MZ	LEIODERMA SOREDIATUM		BAO	LI	Lichen	coastal fog zone, stabilized dunes in old Picea sitchensis and Pinus contorta forests, stems of hardwoods and conifers, semi-open habitat, dune woodlands
MZ, CF	LEPTOGIUM BREBISSONII		BAO	LI	Lichen	costal fog zone, bark or wood of hardwoods and conifers



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CF	LEUCOTHOE DAVISIAE	SIERRA LAUREL	BAO	VA	shrub, small tree	Uncommon. Bogs, wet areas
RK	LEWISIA COLUMBIANA VAR. COLUMBIANA	COLUMBIA LEWISIA	BAO	VA	forb	Granite slopes, cliffs
RK	LEWISIA COTYLEDON VAR. PURDYI	PURDY'S LEWISIA	BSO	VA	forb	Granitic or serpentine rock outcrops, sun or shade, oak or pine forests
CF	LILIUM KELLOGGII	KELLOGG'S LILY	BAO	VA	forb	Gaps and roadsides in conifer forest
MZ	LILIUM OCCIDENTALE	WESTERN LILY	FEO/ SEO	VA	forb	Coastal bogs and marshes, scrub near coast
MZ, RI, CF	LIMBELLA FRYEI		BSO	BR	MOSS	On wet, rotten wood, leaf litter and lower trunks of tall shrubs in dense coastal shrub swamps, wetland site, coastal OR,
SW	LIMNANTHES FLOCCOSA SSP. BELLINGERIANA	BELLINGER'S MEADOW-FOAM	BSO	VA	forb	vernal pools, seasonally wet rocky areas and meadows, volcanic origin
SW	LIMNANTHES FLOCCOSA SSP. GRANDIFLORA	LARGE-FLOWERED WOOLY MEADOWFOAM	FEO/ SEO	VA	forb	seasonally wet meadows, open areas, local endemic, Upper and Lower Taqble Rock Medford
SW	LIMNANTHES FLOCCOSA SSP. PUMILA*	DWARF MEADOW-FOAM	STO	VA	forb	edges of deep vernal pools and wet meadows, open areas, local endemic, summits of Upper and Lower Taqble Rock Medford
SW	LIMNANTHES GRACILIS SSP. GRACILIS	SLENDER MEADOW-FOAM	BSO	VA	forb	seasonally wet meadows, open areas, serpentine
RI	LIMONIUM CALIFORNICUM	WESTERN MARSH-ROSEMARY	BAO	VA	forb	coastal salt marshes
RI	LIPOCARPHA MICRANTHA	SMALL-FLOWERED LIPOCARPHA	BAO	VA	sedge	Beaches, sand bars, wet bottomlands.
CF, RK	LOBARIA LINITA		BAO	LI	Lichen	trees, shrubs, mossy rocks, alpine sod, montane (var. linita is arctic, alpine, and montane rock outcrops; sterile. Var. tenuior is epiphytic, higher elevation old growth stands; apotheciate.)



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MG, SW	LOMATIUM BRADSHAWII	BRADSHAW'S DESERTPARSLEY	FEO/SEO	VA	forb	Wet prairies; grassy swales; along waterways at low elevations in areas that are seasonally wet and void of shrubs and trees
MG,OHW	LOMATIUM COOKII	COOK'S LOMATIUM	FEO/SEO	VA	forb	open valley bottomlands and woodlands, local endemic
SE	LOMATIUM ENGELMANNII*	ENGLEMANN'S DESERT-PARSLEY	BAO	VA	forb	Gravelly slopes in coniferous forest
MZ, SW, RI	LOPHOZIA LAXA		BAO	BR	LIVER-WORT	growing among and over branches of sphagnum in well-developed peatlands, coastal areas and in Cascade Mts.
CF/RI	LOTUS STIPULARIS*	STIPULED TREFOIL	BAO	VA	forb	Open pine forests, streambeds, ditches, thickets, chaparral, logged areas
CF	LUPINUS BREWERI VAR. BREWERI	BREWER'S LUPINE	BAO	VA	forb	Common. Generally open montane forest
MG, OHW, CF	LUPINUS SULPHUREUS SSP. KINCAIDII	KINCAID'S LUPINE	FTO/STO	VA	forb	Open montane forest, dry, open woods, valley prairie grasslands, oak forests, often in sandy soil
CF	LUPINUS TRACYI	TRACY'S LUPINE	BAO	VA	forb	UNCOMMON. Dry, open montane forest
RI	LUZULA ARCUATA SSP. UNALASCHCENSIS	ALASKA CURVED WOODRUSH	BAO	VA	forb	Mossy banks, boggy shores, rocky areas. At 3000', Hood River Co., also reported 1000-1600' Douglas Co. (rocky ridges, high elevation, glacial moraines, Peck)
MZ, RI	LYCOPODIELLA INUNDATA	BOG CLUB-MOSS	BAO	VA	CLUB-MOSS	Coastal wetlands, moist areas in lake and pond margins, muddy depressions, peat bogs, fens, edge, and coastal habitats
CF	LYCOPODIUM COMPLANATUM	GROUND CEDAR	BAO	VA	forb	in woods and thickets
CF	MARTELLIA IDAHOENSIS		BSO	FU	FUNGUS	buried in soil or duff in conifers stands
OHW, MG, SW	MECONELLA OREGANA*	WHITE FAIRYPOPPY	BSO	VA	forb	Open ground, moist, sandy, gravelly areas



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MG	MEESIA ULIGINOSA*		BAO	BR	MOSS	wetland sites, often bogs and fens
RK	MELICA STRICTA	NODDING MELIC	BAO	VA	forb	Open sites, coniferous forest, rocky areas in alpine
CF, MZ	METZGERIA TEMPERATA		BAO	BR	LIVER-WORT	Hypermaritime, on tree trunks, usually shaded, near coast; growing in dense mats or mixed among other bryophytes
CF	MICROCALICIUM ARENARIUM		BAO	LI	Lichen	boles of large trees, partially on a small selection of lichens on aged bark or wood, humid rock cliffs, (on farinose lichens, e.g., Chaenotheca furfuracea, on rocks or tree trunk bases. Old growth PSME, TSHE, TABR.)
RI, SW	MICROMITRIUM SYNOICUM		BAO	BR	MOSS	
MZ, RI	MICROSERIS BIGELOVII	COAST MICROSERIS	BAO	VA	forb	Open, moist sandy, gravelly areas, in coastal headlands
MG	MICROSERIS DOUGLASII SSP. DOUGLASII	DOUGLAS' MICROSERIS	BAO	VA	forb	Inland clay soils, grassland, often near vernal pools or serpentine outcrops
SE	MICROSERIS HOWELLII	HOWELL'S MICROSERIS	STO	VA	forb	Serpentine soils on flat or sloped moist to rocky areas
SC, MG	MICROSERIS LACINIATA SSP. DETLINGII	DETLING'S MICROSERIS	BSO	VA	forb	Open grassland, meadows, rocky slopes, forest edge
RK	MIMULUS BOLANDERI*	BOLANDER'S MONKEYFLOWER	BAO	VA	forb	Burns, openings in chaparral, disturbed areas
RK	MIMULUS CONGDONII*	CONGDON'S MONKEYFLOWER	BAO	VA	forb	Disturbed areas or seepage, runoff areas on slopes, generally granitic soils
RI	MIMULUS EVANESCENS*	DISAPPEARING MONKEYFLOWER	BSO	VA	forb	juniper plant associations, among rocky rubble and boulders in vernal moist, heavy gravel; stream edges, reservoir margins



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RI, CF, SW	MIMULUS TRICOLOR	THREE-COLORED MONKEY-FLOWER	BAO	VA	forb	Vernally wet depressions, streambanks
SE, RK	MONARDELLA PURPUREA	SISKIYOU MONARDELLA	BAO	VA	forb	Serpentine, in open areas in rock, chaparral, woodland, montane forest
SW	NAVARRETIA HETERANDRA	TEHAMA NAVARRETIA	BAO	VA	forb	UNCOMMON. Heavy soil, vernal pools, wet or drying flats
SW	NAVARRETIA WILLAMETTENSIS	WILLAMETTE NAVARRETIA	BSO	VA	forb	Wetland prairie, vernal pools, roadsides.
RK	NEMACLADUS CAPILLARIS	SLENDER NEMACLADUS	BAO	VA	forb	Dry slopes, burned areas
CF, MZ	NIEBLA CEPHALOTA*		BAO	LI	Lichen	trees, shrubs, rocks, coastal fog belt, exposed coastal trees, less often rock
CF	OCTAVIANINA MACROSPORA		BSO	FU	FUNGUS	buried in soil or duff in mixed woods or conifers, favors Doug-fir
MZ	OENOTHERA WOLFII	WOLF'S EVENING-PRIMROSE	STO	VA	forb	Coastal bluffs
MZ, RI	OPHIOGLOSSUM PUSILLUM	ADDER'S-TONGUE	BAO	VA	fern	Wet meadows, marsh edges, deflation plains along the coast
MZ, CF	PANNARIA RUBIGINOSA*		BAO	LI	Lichen	bark or wood, hardwoods shrubs or conifers in wetlands and riparian areas
RK	PELLAEA ANDROMEDIFOLIA*	COFFEE FERN	BAO	VA	fern	Rocky outcrops, non-calcareous rock
RK	PELLAEA MUCRONATA SSP. MUCRONATA*	BIRD'S-FOOT FERN	BAO	VA	fern	Rocky outcrops
CF	PENSTEMON GLAUCINUS	BLUE-LEAVED PENSTEMON	BSO	VA	forb	pine forests
MG,CF, OHW, SW	PERIDERIDIA ERYTHORHIZA	RED-ROOTED YAMPAH	BSO	VA	forb	moist meadows, poor drained soils, and open woodlands and pine forests
MZ	PHACELIA ARGENTEA	SILVERY PHACELIA	STO	VA	forb	sand dunes
CF	PHACELIA LEONIS	SISKIYOU PHACELIA	BSO	VA	forb	Often ultramafics, rocky to sandy openings in conifer forests
CF	PHAEOLLYBIA CALIFORNICA		BSO	FU	FUNGUS	on ground or duff in mixed woods or conifers, favors Doug-fir



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MZ, CF	PHAEOLLYBIA GREGARIA*		BSO	FU	FUNGUS	on ground or duff in mixed woods or conifers
CF	PHAEOLLYBIA OLIVACEA		BSO	FU	FUNGUS	on ground or duff in mixed woods or conifers
CF	PHAEOLLYBIA OREGONENSIS*		BSO	FU	FUNGUS	under conifers
SW	PHYSCOMITRELLA PATENS		BAO	BR	MOSS	mud laid bare from retreating water of lakes and ponds, Willamette Valley wet prairies
RK,CF	PILOPHORUS NIGRICAULIS*		BAO	LI	Lichen	noncalcareous rock substrate (volcanic), cool, moist areas on stable talus slopes; coniferous forests that are especially humid: riverbanks, canyons, coast.
SW	PILULARIA AMERICANA	AMERICAN PILLWORT	BAO	VA	forb aquatic	Vernal pools, mud flats, lake margins, reservoirs, etc
SW	PLAGIOBOTHRYIS AUSTINIAE*	AUSTIN'S PLAGIOBOTHRYIS	BAO	VA	forb	Vernal pools, wet sites
SW, RI	PLAGIOBOTHRYIS FIGURATUS SSP. CORALLICARPUS	CORAL SEEDED ALLOCARYA	BSO	VA	forb	wet meadows, riparian areas, valley floor
SW, RI	PLAGIOBOTHRYIS GLYPTOCARPUS	SCULPTURED ALLOCARYA	BAO	VA	forb	Moist places, grasslands, woodlands
SW, RI	PLAGIOBOTHRYIS GREENEI	GREENE'S POPCORN FLOWER	BAO	VA	forb	Wet sites, grassland to woodland
SW,OHW	PLAGIOBOTHRYIS HIRTUS*	ROUGH POPCORN FLOWER	FEO/STO	VA	forb	Moist places, grasslands, woodlands
SW, RI	PLAGIOBOTHRYIS LAMPROCARPUS	SHINY-FRUITED ALLOCARYA	SEO	VA	forb	Moist places, grasslands, woodlands
CF,MG	POA RHIZOMATA*	TIMBER BLUEGRASS	BAO	VA	grass	UNCOMMON. Shady moist slopes in forest, in rich loose soils, over granitics
MZ	POA UNILATERALIS	SAN FRANCISCO BLUEGRASS	BAO	VA	grass	Coastal headlands and prairies in +/- saline soils
SW	POGOGYNE FLORIBUNDA*	PROFUSE-FLOWEREED MESA MINT	BSO	VA	forb	UNCOMMON. Vernal pools, seasonal lakes
MZ, SW, RI	POHLIA SPHAGNICOLA		BAO	BR	MOSS	sphagnum hummocks



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CF, RI, RK	POLYSTICHUM CALIFORNICUM*	CALIFORNIA SWORD-FERN	BAO	VA	fern	Woods, streambanks, to rocky open slopes with moisture
RK	POLYTRICHUM SPHAEROTHECIUM		BAO	BR	MOSS	montane and coastal bogs
OHW	PORELLA BOLANDERI		BAO	BR	LIVER-WORT	on rocks and bark of living trees QUGA4 forest, PSME forest on rock outcrops. Maple bark, tree trunk bases in CA.
RI	PORELLA VERNICOSA VAR. FAURIEI		BAO	BR	LIVER-WORT	Columbia Gorge, 1 known site
RI	POTAMOGETON DIVERSIFOLIUS	RAFINESQUE'S PONDWEED	BAO	VA	forb aquatic	Uncommon. Shallow water, ditches, ponds, lakes
RI	POTAMOGETON FOLIOSUS VAR. FIBRILLOSUS	FIBROUS PONDWEED	BAO	VA	forb aquatic	Shallow water, small streams
RK	POTENTILLA VILLOSA	VILLOUS CINQUEFOIL	BAO	VA	forb	
CF	PSEUDOCYPHELLARIA MALLOTA*		BAO	LI	Lichen	old conifers or understory hardwoods, (TABR2, RHMA3 branches in late successional forests, also branches, young ALRU2 or PSME forest).
RK, SE	PSEUDOLESKEELLA SERPENTINENSIS		BAO	BR	MOSS	serpentine endemic, found on rock
SW, MZ	PYRROCOMA RACEMOSA VAR. RACEMOSA	RACEMOSE PYRROCOMA	BAO	VA	forb	Wet meadows and open places, coastal valleys, marshes, sometimes in saline soils
RI	RACOMITRIUM DEPRESSUM		BAO	BR	MOSS	plants growing in streams, mostly high montane
RK	RADULA BRUNNEA		BAO	BR	LIVER-WORT	north-facing basalt breccia cliffs, peaty ledges, sheltered and open sites just below the ridgetop, grows in thick mats
MZ, RI	RAMALINA POLLINARIA*		BAO	LI	Lichen	bark and wood of various trees and shrubs, especially old ones, shaded rocks, low elevation moist areas, swamps
CF	RAMARIA SPINULOSA		BSO	FU	FUNGUS	conifers



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Habitat Groups	Scientific Name	Common Name	Bureau Status	Taxon	Life Form	Habitat Description
CF, MZ	RAMARIA SPINULOSA VAR. DIMINUTIVA*		BSO	FU	FUNGUS	on ground or duff in conifers stands
OHW, MG	RANUNCULUS AUSTROOREGANUS	SOUTHERN OREGON BUTTERCUP	BSO	VA	forb	open meadows, chaparral, valley floor
SC	RHAMNUS ILICIFOLIA	REDBERRY	BAO	VA	shrub, small tree	Chaparral, montane forests
CF	RHIZOMNIUM NUDUM		BAO	BR	MOSS	moist soil in woods and along streams, mid to high elevation moist conifer forests
CF	RHIZOPOGON CHAMALEONTINUS		BSO	FU	FUNGUS	buried in soil or duff in conifers stands
CF	RHIZOPOGON ELLIPSOSPORUS*		BSO	FU	FUNGUS	buried in soil or duff in conifers stands
MZ, CF	RHIZOPOGON EXIGUUS		BSO	FU	FUNGUS	buried in soil or duff in conifers stands
SW	RHYNCHOSPORA CAPITELLATA	BROWNISH BEAKRUSH	BAO	VA	sedge	Marshes, seeps
RK	RHYTIDIUM RUGOSUM		BAO	BR	MOSS	Forming loose mats on dry soil or rock, usually on the sloping sides and tops of dry bluffs and cliffs, at middle to higher elevations west of Cascade Range, usually calcareous regions.
MG,SW, RK, RI	ROMANZOFFIA THOMPSONII	THOMPSON'S MISTMAIDEN	BSO	VA	forb	moist rocky areas, wet cliffs, south facing slopes steep, well drained slopes.
RI, SW	RORIPPA COLUMBIAE*	COLUMBIA CRESS	BSO	VA	forb	Meadows, playas, seasonal stream bottoms, river margins
RI	ROOTALA RAMOSIOR	TOOTH CUP	BAO	VA	forb	Lake and pond margins, streamsWet places, lake and pond margins, streams, sloughs, vernal pools, irrigated fields, <1900m.
SE,RI	SALIX DELNORTENSIS	DEL NORTE WILLOW	BAO	VA	shrub	Serpentine riparian areas
RK	SAXIFRAGOPSIS FRAGARIOIDES*	JOINT-LEAVED SAXIFRAGE	BAO	VA	forb	Uncommon. Rock crevices
RK	SCAPANIA GYMNOSTOMOPHILA		BAO	BR	LIVER-WORT	
RI	SCHEUCHZERIA PALUSTRIS VAR. AMERICANA	SCHEUCHZERIA	BAO	VA	aquatic or terrestrial	Floating mats, bogs, lake margins, Cascades



Habitat Groups	Scientific Name	Common Name	Bureau Status	Taxon	Life Form	Habitat Description
CF	SCHISTOSTEGA PENNATA		BAO	BR	MOSS	humid lowland forests, intensely shaded recesses, rock or mineral soil, riparian old growth or near lakes on the Cascade crest floresces
RI	SCIRPUS PENDULUS	DROOPING BULRUSH	BAO	VA	sedge	Marshes, wet meadows, ditches
RI, MZ	SCIRPUS SUBTERMINALIS	WATER CLUBRUSH	BAO	VA	sedge	Fresh water lake margins, ponds, marshes, shallow water
RK	SEDUM MORANII	ROGUE RIVER STONECROP	BSO	VA	subshrubs, fleshy	Rock outcrops, local endemic, Rogue River (serpentine??)
RK	SEDUM OBLANCEOLATUM	APPLEGATE STONECROP	BSO	VA	subshrubs, fleshy	Rocky slopes
SE	SENECIO HESPERIUS	WESTERN SENECIO	BSO	VA	forb	serpentine areas, open meadows, chaparral, Jeffery Pine
MG	SIDALCEA CAMPESTRIS	MEADOW SIDALCEA	BSO	VA	forb	grassy meadows and hillsides uplands
RI	SIDALCEA HENDERSONII	HENDERSON'S SIDALCEA	BSO	VA	forb	Coastal tideland and marshes
RK, SC	SIDALCEA HICKMANII SSP. NOV.*	HICKMAN'S CHECKERBLOOM	BSO	VA	forb	Chaparral, open conifer forest, sometimes on serpentine
MZ, MG, CF, SE, ME	SIDALCEA MALVIFLORA SSP. PATULA	COAST CHECKER BLOOM	BSO	VA	forb	Open coastal forest, prairie, mixed evergreen forest, grassy coastal headlands and meadows, often serpentine soils
MG	SIDALCEA NELSONIANA	NELSON'S HECKERMALLOW	FTO/STO	VA	forb	moist open meadows and woodlands
OHW	SILENE HOOKERI SSP. BOLANDERI	BOLANDER'S CATCHFLY	BAO	VA	forb	Serpentine, rocky slopes, open areas, oak woodland, coniferous forest
MG	SISYRINCHIUM HITCHCOCKII*	HITCHCOCK'S BLUE-EYED GRASS	BSO	VA	forb	Willamette Valley and Umpqua Valley grasslands and oak woodlands
MG, RI	SISYRINCHIUM SARMENTOSUM	PALE BLUE-EYED GRASS	BSO	VA	forb	wet meadows and stream margins
OHW	SOLANUM PARISHII	PARISH'S HORSE-NETTLE	BAO	VA	forb	Dry chaparral, oak/pine woodland, pine forest
OHW, CF	SOPHORA LEACHIANA	WESTERN SOPHORA	BSO	VA	forb	ultramafics, open to sparsely wooded areas



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Habitat Groups	Scientific Name	Common Name	Bureau Status	Taxon	Life Form	Habitat Description
RI	SPHAEROCARPOSIANS		BSO	BR	LIVERWORT	On mud of river bank, seasonal ephemeral which is evident in summer (Pullman) and fall (Corvallis) when water levels are low (3 known disjunct localities)
RI	SPLACHNUM AMPULLACEUM		BAO	BR	MOSS	Forming green sods on old dung of herbivores, or on soil enriched by dung, in peatlands or wetlands.
MZ	STELLARIA HUMIFUSA	CREEPING CHICKWEED	BAO	VA	forb	Known from Alsea Bay Island
CF,RK	STEREOCAULON SPATHULIFERUM		BAO	LI	Lichen	siliceous rock, north-facing talus slopes, cool moist habitats, subalpine to alpine in the Cascades
SE,CF, OHW	STREPTANTHUS HOWELLII	HOWELL'S STREPTANTHUS	BSO	VA	forb	ultramafics, sparsely wooded areas, open conifer and hardwood forests
CF	STREPTOPUS STREPTOPOIDES	KRUHSEA	BAO	VA	forb	alpine forests
CF,OHW	SULCARIA BADIA		BAO	LI	Lichen	Bark and limbs, canopy, pendulus, hardwoods mostly and conifers; dry open conifer forests, coastal pine forest
RK	SULLIVANTIA OREGANA	OREGON SULLIVANTIA	BSO	VA	forb	wet rocks and cliffs
CF	TAYLORIA SERRATA		BAO	BR	MOSS	sphagnum wetlands, high nitrogen substrates of dung and long decayed carcasses.
MZ	TELOSCHISTES FLAVICANS*		BAO	LI	Lichen	coastal headlands, fog belt, on bark and wood of conifers and hardwoods
CF	TETRAPHIS GENICULATA		BAO	BR	MOSS	humid conifer forests, coastal areas to sub alpine, on large rotten logs and wood or peaty soil, rarely rock



Habitat Groups	Scientific Name	Common Name	Bureau Status	Taxon	Life Form	Habitat Description
CF	TETRAPLONDON MNIOIDES*		BAO	BR	MOSS	lowland moist forests, on old dung or soil and rotten wood enriched by dung or carcasses, in peatlands as well as drier uplands.
SC, MG	TEXOSPORIUM SANCTI-JACOBI		BAO	LI	Lichen	biotic crust, arid to semi-arid grasslands, shrublands, or savannas, intolerance of calcareous, saline, and heavily disturbed sites
MZ, CF	THAXTEROGASTER PAVELEKII		BSO	FU	FUNGUS	buried in soil or duff in conifers stands
SW	THELYPODIUM BRACHYCARPUM	SHORT-PODDED THELYPODY	BAO	VA	forb	UNCOMMON. Alkaline soils, adobe flats, pond margins
CF	THOLURNA DISSIMILIS*		BAO	LI	Lichen	branches of exposed conifers, rarely on rock, subalpine and alpine habitats. Occasionally lower elevation where cool, moist.
RI,CF	TREMATODON BOASII		BSO	BR	MOSS	tiny, moist soil along streams, ponds, subalpine, Central Cascades
CF, SC	TRILLIUM KURABAYASHII	SISKIYOU TRILLIUM	BAO	VA	forb	Moists forest, montane coniferous forest, foothill woodland, and chaparral
RK, CF	TRIPTEROCLADIUM LEUCOCLADULUM		BAO	BR	MOSS	Forming mats on shaded to exposed rocks, cliffs and bark of hardwoods such as oak and bigleaf maple, mostly at low elevations
MZ, CF	TRIQUETRELLA CALIFORNICA		BSO	BR	MOSS	coastal grasslands downslope of rock outcrops, within 10 miles of coast.
RK, MG, CF	TRITELEIA HENDERSONII VAR. LEACHIAE	LEACH'S BRODIAEA	BSO	VA	forb	Rocky areas, forest edges, wooded or open slopes and brush, meadow edges
CF	TRITELEIA IXIODES SSP. ANILINA	SIERRA BRODIAEA	BAO	VA	forb	Coniferous forest edge, often in gravel or sand
MG, SC, ME	TRITELEIA LAXA	ITHURIEL'S SPEAR	BAO	VA	forb	Meadows in mixed evergreen, foothill woodland, and chaparral



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Habitat Groups	Scientific Name	Common Name	Bureau Status	Taxon	Life Form	Habitat Description
CF, RI	TRITOMARIA EXSECTIFORMIS		BAO	BR	LIVER-WORT	decaying wood in contact with water, mid elevation riparian areas
CF	USNEA NIDULANS		BAO	LI	Lichen	On both conifers and hardwoods, immediate coast and coast ranges. Found in stand of PSME, TSHE, THPL, ALRU2.; TSHE/ POMU Association
SW, MZ, RI	UTRICULARIA GIBBA*	HUMPED BLADDERWORT	BAO	VA	forb	Ponds, shallow lakes, bogs, wetlands, creeping over moss or mud
SW, MZ, RI	UTRICULARIA MINOR	LESSER BLADDERWORT	BAO	VA	forb	Wetlands, ponds, shallow lakes, margins, sphagnum bogs
RI	UTRICULARIA OCHROLEUCA	NORTHERN BLADDERWORT	BAO	VA	forb	Wetlands, ponds, shallow lakes, margins, sphagnum bogs
SE, SW	VIOLA PRIMULIFOLIA SSP. OCCIDENTALIS	WESTERN BOG VIOLET	BSO	VA	forb	Serpentine marshes, bogs and fens
RI	WOLFFIA BOREALIS	DOTTED WATER-MEAL	BAO	VA	forb	Freshwater ponds, sloughs; <100m
RI, SW	WOLFFIA COLUMBIANA	COLUMBIA WATER-MEAL	BAO	VA	forb	Freshwater ponds, sloughs; <100m
SC	ZYGADENUS FONTANUS*	SMALL-FLOWERED DEATH CAMAS	BAO	VA	forb	Meadows in foothill woodland, and chaparral

Table 241. Survey and Manage Species Habitat Groups

SPECIES GROUP	HABITAT GROUPS	SCIENTIFIC NAME
Bryophyte	CF	Brotherella roelli
Bryophyte	CF,RI	Buxbaumia viridis
Bryophyte	CF	Diplophyllum albicans
Bryophyte	CF	Diplophyllum plicatum
Bryophyte	CF,RK	Encalypta brevicolla var. crumiana
Bryophyte	CF,RK	Herbertus aduncus
Bryophyte	CF	Iwatsukiella leucotricha
Bryophyte	CF,RI	Kurzia makinoana
Bryophyte	RI	Marsupella emarginata var. aquatica
Bryophyte	CF	Orthodontium gracile
Bryophyte	CF	Racomitrium aquaticum
Bryophyte	CF,RI	Rhizomnium nudum
Bryophyte	CF,RI	Schistostega pennata
Bryophyte	CF	Tetraphis geniculata
Bryophyte	CF,RI	Tritomaria exsectiformis



SPECIES GROUP	HABITAT GROUPS	SCIENTIFIC NAME
Bryophyte	RI,RK	<i>Tritomaria quinquedentata</i>
Fungus	CF	<i>Acanthophysium farlowii</i>
Fungus	CF	<i>Albatrellus avellaneus</i>
Fungus	CF	<i>Albatrellus caeruleoporus</i>
Fungus	CF	<i>Albatrellus ellisii</i>
Fungus	CF	<i>Albatrellus flettii</i>
Fungus	CF	<i>Alpova alexsmithii</i>
Fungus	CF	<i>Alpova olivaceotinctus</i>
Fungus	CF	<i>Arcangeliella camphorata</i>
Fungus	CF	<i>Arcangeliella crassa</i>
Fungus	CF	<i>Arcangeliella lactarioides</i>
Fungus	CF	<i>Asterophora lycoperdoides</i>
Fungus	CF	<i>Asterophora parasitica</i>
Fungus	CF	<i>Baeospora myriadophylla</i>
Fungus	CF	<i>Balsamia nigrens</i>
Fungus	CF	<i>Boletus haematinus</i>
Fungus	CF	<i>Boletus pulcherrimus</i>
Fungus	CF	<i>Bondarzewia mesenterica</i>
Fungus	CF	<i>Bridgeoporus nobilissimus</i>
Fungus	CF	<i>Cantharellus subalbidus</i>
Fungus	CF	<i>Catathelasma ventricosa</i>
Fungus	CF	<i>Chalciporus piperatus</i>
Fungus	CF	<i>Chamonixia caespitosa</i>
Fungus	CF	<i>Choiromyces alveolatus</i>
Fungus	CF	<i>Choiromyces venosus</i>
Fungus	CF	<i>Chromosera cyanophylla</i>
Fungus	CF	<i>Chroogomphus loculatus</i>
Fungus	CF	<i>Chrysomphalina grossula</i>
Fungus	CF	<i>Clavariadelphus ligula</i>
Fungus	CF	<i>Clavariadelphus occidentalis</i>
Fungus	CF	<i>Clavariadelphus sachalinensis</i>
Fungus	CF	<i>Clavariadelphus subfastigiatus</i>
Fungus	CF	<i>Clavariadelphus truncatus</i>
Fungus	CF	<i>Clavulina castanopes</i> var. <i>lignicola</i>
Fungus	CF	<i>Clitocybe senilis</i>
Fungus	CF	<i>Clitocybe subditopoda</i>
Fungus	CF	<i>Collybia bakerensis</i>
Fungus	CF	<i>Collybia racemosa</i>
Fungus	CF	<i>Cordyceps capitata</i>
Fungus	CF	<i>Cordyceps ophioglossoides</i>
Fungus	CF	<i>Cortinarius barlowensis</i>
Fungus	CF	<i>Cortinarius boulderensis</i>
Fungus	CF	<i>Cortinarius cyanites</i>
Fungus	CF	<i>Cortinarius depauperatus</i>
Fungus	CF	<i>Cortinarius magnivelatus</i>
Fungus	CF	<i>Cortinarius olympianus</i>
Fungus	CF	<i>Cortinarius speciosissimus</i>



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SPECIES GROUP	HABITAT GROUPS	SCIENTIFIC NAME
Fungus	CF	<i>Cortinarius tabularis</i>
Fungus	CF	<i>Cortinarius umidicola</i>
Fungus	CF	<i>Cortinarius valgus</i>
Fungus	CF	<i>Cortinarius variipes</i>
Fungus	CF	<i>Cortinarius verrucisporus</i>
Fungus	CF	<i>Cortinarius wiebeae</i>
Fungus	CF	<i>Craterellus tubaeformis</i>
Fungus	CF	<i>Cudonia monticola</i>
Fungus	CF	<i>Cyphellostereum laeve</i>
Fungus	CF	<i>Dermocybe humboldtensis</i>
Fungus	CF	<i>Destuntzia fusca</i>
Fungus	CF	<i>Destuntzia rubra</i>
Fungus	CF	<i>Dichostereum boreale</i>
Fungus	CF	<i>Elaphomyces anthracinus</i>
Fungus	CF	<i>Elaphomyces subviscidus</i>
Fungus	CF	<i>Endogone acrogena</i>
Fungus	CF	<i>Endogone oregonensis</i>
Fungus	CF	<i>Entoloma nitidum</i>
Fungus	CF	<i>Fayodia bisphaerigera</i>
Fungus	CF	<i>Fevansia aurantiaca</i>
Fungus	CF	<i>Galerina atkinsoniana</i>
Fungus	CF	<i>Galerina cerina</i>
Fungus	CF	<i>Galerina heterocystis</i>
Fungus	CF	<i>Galerina sphagnicola</i>
Fungus	CF	<i>Galerina vittaeformis</i>
Fungus	CF	<i>Gastroboletus imbellus</i>
Fungus	CF	<i>Gastroboletus ruber</i>
Fungus	CF	<i>Gastroboletus subalpinus</i>
Fungus	CF	<i>Gastroboletus turbinatus</i>
Fungus	CF	<i>Gastroboletus vividus</i>
Fungus	CF	<i>Gastrouillus amaranthii</i>
Fungus	CF	<i>Gastrouillus umbrinus</i>
Fungus	CF	<i>Gautieria magnicellaris</i>
Fungus	CF	<i>Gautieria otthii</i>
Fungus	CF	<i>Gelatinodiscus flavidus</i>
Fungus	CF	<i>Glomus radiatum</i>
Fungus	CF	<i>Gomphus bonarii</i>
Fungus	CF	<i>Gomphus clavatus</i>
Fungus	CF	<i>Gomphus kauffmanii</i>
Fungus	CF	<i>Gymnomyces abietis</i>
Fungus	CF	<i>Gymnomyces nondistincta</i>
Fungus	CF	<i>Gymnopilus punctifolius</i>
Fungus	CF	<i>Gyromitra californica</i>
Fungus	CF	<i>Gyromitra esculenta</i>
Fungus	CF	<i>Gyromitra infula</i>
Fungus	CF	<i>Gyromitra melaleucooides</i>
Fungus	CF	<i>Gyromitra montana</i>



SPECIES GROUP	HABITAT GROUPS	SCIENTIFIC NAME
Fungus	CF	<i>Hebeloma olympianum</i>
Fungus	CF	<i>Helvella crassitunicata</i>
Fungus	CF	<i>Helvella elastica</i>
Fungus	CF	<i>Helvella maculate</i>
Fungus	CF	<i>Hydnotrya inordinata</i>
Fungus	CF	<i>Hydnotrya subnix</i>
Fungus		<i>Hydnum umbilicatum</i>
Fungus	CF	<i>Hydropus marginellus</i>
Fungus	CF	<i>Hygrophorus caeruleus</i>
Fungus	CF	<i>Hygrophorus karstenii</i>
Fungus	CF	<i>Hygrophorus vernalis</i>
Fungus	CF	<i>Hypomyces luteovirens</i>
Fungus	CF	<i>Leucogaster citrinus</i>
Fungus	CF	<i>Leucogaster microsporus</i>
Fungus	CF	<i>Macowanites chlorinosmus</i>
Fungus	CF	<i>Macowanites lymanensis</i>
Fungus	CF	<i>Macowanites mollis</i>
Fungus	CF	<i>Marasmius applanatipes</i>
Fungus	CF	<i>Martellia fragrans</i>
Fungus	CF	<i>Martellia idahoensis</i>
Fungus	CF	<i>Mycena hudsoniana</i>
Fungus	CF	<i>Mycena monticola</i>
Fungus	CF	<i>Mycena overholtsii</i>
Fungus	CF	<i>Mycena quinaultensis</i>
Fungus	CF	<i>Mycena tenax</i>
Fungus	CF,RI	<i>Mythicomycetes corneipes</i>
Fungus	CF	<i>Neolentinus adhaerens</i>
Fungus	CF	<i>Neolentinus kauffmanii</i>
Fungus	CF	<i>Neourmula pouchetii</i>
Fungus	CF	<i>Nivatogastrium nubigenum</i>
Fungus	CF	<i>Octavianina cyanescens</i>
Fungus	CF	<i>Octavianina macrospora</i>
Fungus	CF	<i>Octavianina papyracea</i>
Fungus	CF	<i>Otidea leporina</i>
Fungus	CF	<i>Otidea onotica</i>
Fungus	CF	<i>Otidea smithii</i>
Fungus	CF	<i>Phaeocollybia attenuata</i>
Fungus	CF	<i>Phaeocollybia californica</i>
Fungus	CF	<i>Phaeocollybia dissiliens</i>
Fungus	CF	<i>Phaeocollybia fallax</i>
Fungus	CF	<i>Phaeocollybia gregaria</i>
Fungus	CF	<i>Phaeocollybia kauffmanii</i>
Fungus	CF	<i>Phaeocollybia olivacea</i>
Fungus	CF	<i>Phaeocollybia oregonensis</i>
Fungus	CF	<i>Phaeocollybia piceae</i>
Fungus	CF	<i>Phaeocollybia pseudofestiva</i>
Fungus	CF	<i>Phaeocollybia scatesiae</i>



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SPECIES GROUP	HABITAT GROUPS	SCIENTIFIC NAME
Fungus	CF	<i>Phaeocollybia sipei</i>
Fungus	CF	<i>Phaeocollybia spadicea</i>
Fungus	CF	<i>Phellodon atratus</i>
Fungus	CF	<i>Pholiota albivelata</i>
Fungus	CF	<i>Pithya vulgaris</i>
Fungus	CF	<i>Plectania melastoma</i>
Fungus	CF	<i>Plectania milleri</i>
Fungus	CF	<i>Podostroma alutaceum</i>
Fungus	CF	<i>Polyozellus multiplex</i>
Fungus	CF	<i>Pseudaleuria quinaultiana</i>
Fungus	CF	<i>Ramaria abietina</i>
Fungus	CF	<i>Ramaria amyloidea</i>
Fungus	CF	<i>Ramaria araiospora</i>
Fungus	CF	<i>Ramaria aurantiiscescens</i>
Fungus	CF	<i>Ramaria botryis</i> var. <i>aurantiiramosa</i>
Fungus	CF	<i>Ramaria celerivirescens</i>
Fungus	CF	<i>Ramaria claviramulata</i>
Fungus	CF	<i>Ramaria concolor</i> f. <i>marrii</i>
Fungus	CF	<i>Ramaria concolor</i> f. <i>tsugina</i>
Fungus	CF	<i>Ramaria conjunctipes</i> var. <i>sparsiramosa</i>
Fungus	CF	<i>Ramaria coulterae</i>
Fungus	CF	<i>Ramaria cyaneigranosa</i>
Fungus	CF	<i>Ramaria gelatiniaurantia</i>
Fungus	CF	<i>Ramaria gracilis</i>
Fungus	CF	<i>Ramaria hilaris</i> var. <i>olympiana</i>
Fungus	CF	<i>Ramaria largentii</i>
Fungus	CF	<i>Ramaria lorithamnus</i>
Fungus	CF	<i>Ramaria maculatipes</i>
Fungus	CF	<i>Ramaria rainierensis</i>
Fungus	CF	<i>Ramaria rubella</i> var. <i>blanda</i>
Fungus	CF	<i>Ramaria rubribrunnescens</i>
Fungus	CF	<i>Ramaria rubrievanescens</i>
Fungus	CF	<i>Ramaria rubripermanens</i>
Fungus	CF	<i>Ramaria spinulosa</i> var. <i>diminutiva</i>
Fungus	CF	<i>Ramaria stuntzii</i>
Fungus	CF	<i>Ramaria suecica</i>
Fungus	CF	<i>Ramaria thiersii</i>
Fungus	CF	<i>Ramaria verlotensis</i>
Fungus	CF	<i>Rhizopogon abietis</i>
Fungus	CF	<i>Rhizopogon atroviolaceus</i>
Fungus	CF	<i>Rhizopogon brunneiniger</i>
Fungus	CF	<i>Rhizopogon chamaleontinus</i>
Fungus	CF	<i>Rhizopogon ellipsosporus</i>
Fungus	CF	<i>Rhizopogon evadens</i> var. <i>subalpinus</i>
Fungus	CF	<i>Rhizopogon exiguus</i>
Fungus	CF	<i>Rhizopogon flavofibrillosus</i>
Fungus	CF	<i>Rhizopogon inquinatus</i>



SPECIES GROUP	HABITAT GROUPS	SCIENTIFIC NAME
Fungus	CF	<i>Rhizopogon truncatus</i>
Fungus	CF	<i>Rhodocybe speciosa</i>
Fungus	CF	<i>Rickenella swartzii</i>
Fungus	CF	<i>Russula mustelina</i>
Fungus	CF	<i>Sarcodon fuscoindicus</i>
Fungus	CF	<i>Sarcodon imbricatus</i>
Fungus	CF	<i>Sarcosoma latahense</i>
Fungus	CF	<i>Sarcosoma mexicana</i>
Fungus	CF	<i>Sarcosphaera eximia</i>
Fungus	CF	<i>Sedecula pulvinata</i>
Fungus	CF	<i>Sowerbyella rhenana</i>
Fungus	CF	<i>Sparassis crispa</i>
Fungus	CF	<i>Spathularia flavida</i>
Fungus	CF	<i>Stagnicola perplexa</i>
Fungus	CF	<i>Thaxtoerogaster pavelekii</i>
Fungus	CF	<i>Tremiscus helvelloides</i>
Fungus	CF	<i>Tricholoma venenatum</i>
Fungus	CF	<i>Tricholomopsis fulvescens</i>
Fungus	CF	<i>Tuber asa</i>
Fungus	CF	<i>Tuber pacificum</i>
Fungus	CF	<i>Tylopilus porphyrosporus</i>
Lichen	CF,MZ	<i>Bryoria pseudocapillaris</i>
Lichen	CF,MZ	<i>Bryoria spiralifera</i>
Lichen	CF	<i>Bryoria subcana</i>
Lichen	CF,OHW	<i>Bryoria tortuosa</i>
Lichen	CF,MZ	<i>Buellia oidalea</i>
Lichen	CF,OHW	<i>Calicium abietinum</i>
Lichen	CF	<i>Calicium adpersum</i>
Lichen	CF	<i>Calicium glaucellum</i>
Lichen	CF	<i>Calicium viride</i>
Lichen	CF	<i>Cetrelia cetrarioides</i>
Lichen	CF	<i>Chaenotheca chrysocephala</i>
Lichen	CF,OHW	<i>Chaenotheca ferruginea</i>
Lichen	CF	<i>Chaenotheca furfuracea</i>
Lichen	CF	<i>Chaenotheca subroscida</i>
Lichen	CF	<i>Chaenothecopsis pusilla</i>
Lichen	CF	<i>Cladonia norvegica</i>
Lichen	CF	<i>Collema nigrescens</i>
Lichen	CF,OHW	<i>Dendriscoaulon intricatum</i>
Lichen	CF,RI	<i>Dermatocarpon meiophyllizum (ex. luridum)</i>
Lichen	CF,MZ	<i>Fuscopannaria saubinetii</i>
Lichen	CF	<i>Heterodermia sitchensis</i>
Lichen	CF	<i>Hypogymnia duplicata</i>
Lichen	CF	<i>Hypogymnia oceanica</i>
Lichen	CF,MZ	<i>Hypogymnia vittata</i>
Lichen	CF	<i>Hypotrachyna revoluta</i>
Lichen	CF	<i>Leptogium burnetiae var. hirsutum</i>



DEIS for the Revision of the Western Oregon RMPs

SPECIES GROUP	HABITAT GROUPS	SCIENTIFIC NAME
Lichen	CF	<i>Leptogium cyanescens</i>
Lichen	CF,RI	<i>Leptogium rivale</i>
Lichen	CF	<i>Leptogium teretiusculum</i>
Lichen	CF	<i>Lobaria linita</i>
Lichen	CF,RK	<i>Microcalicium arenarium</i>
Lichen	CF	<i>Nephroma bellum</i>
Lichen	CF	<i>Nephroma isidiosum</i>
Lichen	CF	<i>Nephroma occultum</i>
Lichen	CF,MZ	<i>Niebla cephalota</i>
Lichen	CF	<i>Pannaria rubiginosa</i>
Lichen	CF	<i>Pannaria saubinettii</i>
Lichen	CF	<i>Peltigera pacifica</i>
Lichen	CF	<i>Platismatia lacunosa</i>
Lichen	CF	<i>Pseudocyphellaria rainierensis</i>
Lichen	CF	<i>Pseudocyphellaria perpetua</i>
Lichen	CF,MZ	<i>Pyrrhospora querneae</i>
Lichen	CF,MZ	<i>Ramalina pollinaria</i>
Lichen	CF,OHW	<i>Ramalina thrausta</i>
Lichen	CF	<i>Stenocybe clavata</i>
Lichen	CF,OHW,MZ	<i>Teloschistes flavicans</i>
Lichen	CF,MZ	<i>Tholurna dissimilis</i>
Lichen	CF,SH	<i>Usnea hesperina</i>
Lichen	CF	<i>Usnea longissima</i>
Vascular_Plant	CF	<i>Botrychium minganense</i>
Vascular_Plant	CF	<i>Botrychium montanum</i>
Vascular_Plant	CF	<i>Coptis asplenifolia</i>
Vascular_Plant	CF	<i>Coptis trifolia</i>
Vascular_Plant	CF,RI	<i>Corydalis aquae-gelidae</i>
Vascular_Plant	CF	<i>Cypripedium fasciculatum</i>
Vascular_Plant	CF	<i>Cypripedium montanum</i>
Vascular_Plant	CF	<i>Eucephalus vialis</i>
Vascular_Plant	CF	<i>Galium kamtschaticum</i>
Vascular_Plant	CF	<i>Platanthera orbiculata</i> var. <i>orbiculata</i>