If you move your computer's cursor down the key you will find links to other sections of this Guide. The open hand will turn into a pointing hand when a link is available.

Northwest Oregon westside Cascades



Cascades key

Α.	Herbaceous community, coltsfoot not dominant herb; rocky substrate within channel
	Streambank springbeauty dominant; small patches on bedrock or boulders Streambank springbeauty p. 43
	Coldwater corydalis dominant; narrow gravel deposits beside cold water channels
	Yellow monkeyflower dominant; in cobbles or on boulders Yellow monkeyflower p. 44
В.	Coltsfoot dominant or codominant herb
	Sitka willow an important shrub; point bars or cobble bars within highwater line
	2. Common horsetail present Coltsfoot-common horsetail phase p. 53
	3. Stink currant a dominant shrub; channel marginsStink currant/coltsfoot p. 68
	4. Stink currant and Sitka willow absent or minor; sandy cobble or boulder bars/active channel shelves
C.	Oval-leaved mitrewort and coastal boykinia both present; channel marginsCoastal boykinia-oval-leaved mitrewort p. 61
D.	Foamflower dominant herb, shrubs absent or trace; channel marginsFoamflower p. 66
E.	Sorrel dominant, with Pacific waterleaf; sword fern and lady fern often abundant; red alder overstory may be present; moderate to steep banks Sorrel-Pacific waterleaf p. 116
F.	Maidenhair an important herb;seeps, often steep, rocky banks
G.	Arrowleaf groundsel and broad-leaved marsh-marigold and/or large boykinia present; shrubs nearly absent; fine soils, water tables near the surface, moderate to high elevations

leptosepala ssp. howellii Association (Christy p. 76), and Caltha leptosepala ssp. howellii-Carex obnupta Association (Christy p. 77)

H. Arrowleaf groundsel, with cow –parsnip, great northern aster, and/or Columbian monkshood; shrubs varied; flat to gently sloping cobble bars or active floodplains at mid- to high elevations Arrowleaf groundsel-great northern aster p. 72 See related communities in herbaceous wetlands key (Christy pp. 18-20), especially Senecio triangularis Association (Christy p. 143) For more herb-dominated communities (aquatic beds, emergent marshes, marshes, fens/peatlands, or wet prairies), see herbaceous wetlands key (Christy pp.18-20). I. Red alder/herb communities 1. Blue wildrye dominant under red alder; cobbly floodplains or islandsRed alder/blue wildrye p. 74 2. Siberian miners lettuce and piggyback plant dominant under red alder; active floodplains/cobble barsRed alder/piggyback plant-Siberian miners lettuce p. 78 3. Sorrel dominant, with Pacific waterleaf. Sword fern and lady fern often abundant. Red alder overstory may be present; Moderate to steep banks Sorrel-Pacific waterleaf p. 116 4. Sorrel and sword fern co-dominant under variety of tree species; vine maple often important, other shrubs minor or absent; steep banks. terraces Red alder~big leaf maple/sorrel p. 119 5. Red alder/skunk cabbage swamps a. Slough sedge >=5%, dominant or co-dominant with skunk cabbage...... Alnus rubra/Carex obnupta-Lysichiton americanus Association (Christy p. 22) **b.** Slough sedge <5%, lady fern may be co-dominant with skunk cabbage. Alnus rubra/Athyrium filix-femina-Lysichiton americanus Association (Christy p. 21)

J. Shrub communities (may have tree overstories)—not dominated by salmonberry and/or stink currant 1. Oval-leaved huckleberry/Alaska huckleberry dominant or co-dominant **a.** Two or more members of the moderate to high elevation suite of herbs (vanilla leaf, dogwood bunchberry, twinflower, coolwort foamflower, queencub beadlily) represented; active floodplains, banks, cobble bars, **b.** Salmonberry an important shrub, mature conifer cover <20%, skunk cabbage present; poorly drained sites at moderate to higher elevations Oval-leaved huckleberry-salmonberry/skunk cabbage p. 170 c. Mature conifer cover >20% and silver fir present >5%; wetland indicators (marsh marigold, skunk cabbage, or marsh violet) present; silver fir zone; alternating hummocks and swalesSilver fir/oval-leaved huckleberry wetland p. 176 2. Big huckleberry dominant, under Engelmann spruce in mountain hemlock zone Engelmann spruce/big huckleberry p. 168 3. Sitka alder dominant, often with oval leaved huckleberry and black gooseberry, with members of the moderate to high elevation suite of herbs (vanilla leaf, dogwood bunchberry, twinflower, coolwort foamflower, queencup beadlily) represented; cobble bars and active floodplains in mid-4. Thimbleberry among several shrubs with members of the moderate to high elevation suite of herbs (vanilla leaf, dogwood bunchberry, twinflower, coolwort foamflower, queencub beadlily) represented, salmonberry minor or absent; low terraces or narrow flats behind cobble leveesThimbleberry/vanilla leaf p. 76 **5.** Common snowberry dominant, salmonberry >=5%; terraces/steep banksRed alder/common snowberry-salmonberry p. 134

6. California hazel>5%, often large floodplains and terraces of major rivers

a. Sword fern>sorrel

......California hazel/sword fern-hardwood phase p. 141

	b. Vine maple dominant or co-dominant
	 Sorrel>sword fern; western hemlock often in tree layer California hazel/sword fern-western hemlock/vine maple-sorred phase p. 143
	2) Sorrel absent, sword fern <5%, big leaf maple and Douglas-fir frequently in tree layer
	California hazel/sword fern- <i>big leaf maple/vine maple phase</i> p. 146
7.	California hazel =<5%, foamflower >=2%; several tree species in overstory including big leaf maple, western redcedar, western hemlock; wide terrace/elevated floodplains of large river valleys(Big leaf maple-red alder)/vine maple/foamflower p. 137
8.	Red osier dogwood dominant shrub, herb layer >10% skunk cabbage
9.	Douglas spiraea thicket Spiraea douglassii Association (Christy p. 58)
10	. Willow communities
	a. Pacific willow co-dominant with Sitka willow, skunk cabbage swamp Salix lucida ssp. lasiandra/Salix sitchensis/Lysichiton americanus Association (Christy p. 56)
	b. Sitka willow minor or absent, Sitka willow dominant, with skunk cabbage and/or aquatic sedge the dominant herbs
11	.Western redcedar dominant overstory tree, skunk cabbage dominant herb, sorrel <5%

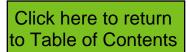
K.	Sh	rub	layers dominated by salmonberry, stink currant and/or devil's club
	1.		evil's club dominant or co-dominant with salmonberry and/or stink rrant
		a.	Western redcedar overstory Devil's club-salmonberry-western redcedar phase p 165
		b.	Red alder and/or western hemlock dominant tree overstory (western redcedar minor or absent)
		C.	Tree overstory absent Devils club-salmonberry-shrub phase p. 158
	2.	Sti	nk currant dominant or co-dominant
		a.	Stink currant dominant or co-dominant with salmonberry, coltsfoot or Cooley's betony the dominant herb; cobble bars/banks, active floodplains
		b.	Thimbleberry among several shrubs with members of the moderate to high elevation suite of herbs (vanilla leaf, dogwood bunchberry, twinflower, coolwort foamflower, queencub beadlily) represented, salmonberry minor or absent
			Thimbleberry/vanilla leaf p. 76
		c.	Sorrel <3%, piggyback plant >2%; red alder and/or big leaf maple often
			present(Red alder-big leaf maple)/stink currant-salmonberry/piggyback p. 80
		d.	Sorrel >3%
			1) Sorrel, foamflower and oval-leaved mitrewort each >3%
			2) Oval-leaved mitrewort absent Stink currant-salmonberry/sorrel group p. 99
			 a) Tree overstory present, generally red alder and/or western redcedar
			Stink currant-salmonberry/sorrel-red alder phase p. 105
			b) Tree overstory absent or minor Stink currant-salmonberry/sorrel shrub phase p. 102

3. Salmonberry dominant shrub; stink currant absent or minor a. Skunk cabbage swamps 1) Salmonberry and oval-leaved huckleberry generally co-dominant shrubs. Other cool, moist indicator shrubs (black gooseberry, mountain alder, highbush-cranberry) often present, mature conifer cover <20%, skunk cabbage present Oval-leaved huckleberry-salmonberry/skunk cabbage p. 170 2) Western redcedar in overstory; sorrel >=5%; stink currant can be present Western redcedar/salmonberry/skunk cabbage-sorrel p. 173 **b.** Common snowberry dominant or co-dominant, salmonberry >=5%; terraces/steep banksRed alder/common snowberry-salmonberry p. 134 c. Piggyback plant important herbSalmonberry/piggyback plant group p. 83 1) Piggyback plant>sorrel; thimbleberry often important; trees absent or minor Salmonberry/piggyback plant-shrub phase p. 86 2) Red alder and/or big leaf maple in overstory, piggyback plant dominant or codominant with sorrel Salmonberry/piggyback plant-red alder phase p. 90 **d.** Sorrel dominant herb, piggyback plant minor or absent; terrace, banks, 1) Western redcedar in overstory Salmonberry/sorrel-western redcedar phase p. 131 2) Red alder in overstorySalmonberry/sorrel-red alder phase p. 129 3) Overstory trees minor or absentSalmonberry/sorrel-shrub phase p. 126

For more shrub-dominated communities (shrub swamps), see shrubland wetlands key (Christy p. 15).

For more tree-dominated communities (forested swamps), see forest and woodlands wetlands key (Christy p. 13).





In channel plant communities

Streambank springbeauty, MOPA2	p. 43
Yellow monkeyflower, MIGU	p. 44
Cold water Corydalis, COAQ	p. 46
Coltsfoot group, PEFR5 GROUP	p. 48
o Coltsfoot-Sitka willow phase, PEFR5-SASI2 phase	
o Coltsfoot-common horsetail phase, PEFR5-EQAR phase	•



Montia parvifolia Streambank springbeauty MOPA2

N=4 (MHNF 4)

SPECIES	COMMON NAME	CONSTANCY	TYPICAL COVER %
Shrubs			
Rubus spectabilis	Salmonberry	50	2
Herbs			
Montia parvifolia	Streambank springbeauty	100	14
Mimulus guttatus	Yellow monkeyflower	75	3
Oxalis	Sorrel	75	1
Tolmiea menziesii	Piggyback plant	50	2
Claytonia sibirica	Siberian miner's lettuce	50	2
Galium triflorum	Sweetscented bedstraw	50	1
Polystichum munitum	Sword fern	50	1
Circaea alpina	Enchanter's-nightshade	50	1

Elevations: 800 to 2500 feet (average 1550 feet).

Community: The <u>Streambank springbeauty</u> community is found in small patches on bedrock or boulders in or adjacent to the channel. It is herb dominated; streambank springbeauty with minor amounts of yellow monkeyflower and sorrel are typical.

Geomorphic environment: Sites were generally small patches of vegetation growing in pockets of soil on bedrock or large boulders.

Wetland rating:

Community meets wetland test	Yes
Plots meeting wetland criteria	75%
Wetland indicators among	80% (range 50-100%)
dominant species	

Non-natives: Exotic species were found on 50% of the sample.

EVOTIO		CONSTANCY	DI OTO	TYPICAL COVER
EXOTIC	COMMON NAME	%	PLOTS	%
Lactuca muralis	Wall-lettuce	25	1	1
Ranunculus repens	Creeping buttercup	25	1	5

Mimulus guttatus Yellow monkeyflower MIGU

N=9 (MHNF 8, WNF 1)

SPECIES	COMMON NAME	CONSTANCY %	TYPICAL COVER %
Herbs			
Mimulus guttatus	Yellow monkeyflower	100	22
Epilobium sp.	Willowherb	100	8
Cardamine cordifolia	Heartleaf bittercress	44	2
Glyceria striata	Tall mannagrass	33	8
Athyrium filix-femina	Lady fern	33	3
Montia parvifolia	Streambank springbeauty	33	3
Luzula parviflora	Small-flowered wood-rush	33	2

Elevations: 240 to 3800 feet (average 2685 feet).



Yellow monkeyflower in the channel.

Community: The <u>Yellow monkeyflower</u> community is an herbaceous type found on boulders, cobbles at or within the high water line. Yellow monkeyflower is the dominant herb, though fireweeds are also present. Grasses are almost always present (89% constancy), averaging 7% cover. Graminoids are present in 56% of the plots, averaging 5% cover. The surrounding plant series include western hemlock and silver fir.

Geomorphic environment: Patches of the Yellow monkeyflower community are in the active channel area, where cobbles, logs, or boulders have accumulated pockets of sands or silt.

Wetland rating:

Community meets wetland test	Yes
Plots meeting wetland criteria	67%
Wetland indicators among	78% (range 40-100%)
dominant species	

Non-natives: Exotics were found on 33% of the plots. These included an unusually varied list of non-native species.

		CONSTANCY		TYPICAL COVER
EXOTIC	COMMON NAME	%	PLOTS	%
Rumex crispus	Curled dock	22	2	1
Poa trivialis	Rough bluegrass	11	1	15
Lactuca muralis	Wall-lettuce	11	1	8
Geranium columbinum	Longstalk cranesbill	11	1	5
Hypericum perforatum	Common St.John's-wort	11	1	2
Digitalis purpurea	Common foxglove	11	1	1
Ranunculus repens	Creeping buttercup	11	1	1
Sagina procumbens	Bird-eye pearlwort	11	1	1
Senecio vulgaris	Common groundsel	11	1	1
Stellaria media	Chickweed	11	1	1

Other studies: This community has previously been described for the Mt. Hood NF in Diaz and Mellen (1996) as the MIGU Plant Association (Ecoclass FW4224). The *Mimulus guttatus* clan, described for the mid-Willamette NF in Campbell and Franklin (1979), is also similar.

Corydalis aquae-gelidae Cold-water cordyalis COAQ

N=3 (MHNF 3)

SPECIES	COMMON NAME	CONSTANCY %	TYPICAL COVER %
Herbs			
Corydalis aquae-gelidae	Cold-water corydalis	100	67
Senecio pseudaureus	False-gold groundsel	67	5
Senecio triangularis	Arrow-leaved groundsel	67	2
Aconitum columbianum	Columbian monkshood	67	1
Aster modestus	Great northern aster	67	1
Delphinium glareosum	Olympic larkspur	67	1

Elevations: 3140 feet to 3170 feet (average 3155 feet).

Community: Cold-water corydalis is an herbaceous community of mid- to upper elevations. It found on the Mt. Hood NF. It is dominated by cold-water corydalis, which dominates the narrow gravel deposits beside cold water channels. Common associates include streambank groundsel, arrowleaf groundsel, monkshood, great northern aster, and larkspur. Mountain alder and ninebark may be present in trace amounts. Adjacent upland plant associations are in the silver fir and western hemlock plant series.

The cold-water corydalis is a Sensitive Plant Species for Oregon and Washington. The community is fairly uncommon. All three plots in this sample are from Stone Creek, Bear Springs Ranger District, Mt. Hood NF.

Geomorphic environment: Geomorphic surfaces are gravel/cobble bars on islands or banks, with 0 to 2 cm of sands or silts over the coarser fragments. The community occurs from 0 to one foot above high water line. Plot notes from one site measured in mid-July noted that the corydalis was growing in the stream, though the site might be above water level during summer low flow.

Wetland rating:

Community meets wetland test	Yes
Plots meeting wetland criteria	100%
Wetland indicators among	100%
dominant species	

Non-natives: Exotic species were recorded on 33% of the plots.

		CONSTANCY		TYPICAL COVER
EXOTIC	COMMON NAME	%	PLOTS	%
Hypericum perforatum	Common St.John's-wort	33	1	2
Phalaris arundinacea	Reed canarygrass	33	1	1

Other studies: This community has previously been described for the Mt. Hood NF in Diaz and Mellen (1996) as the COAQ Plant Community (Ecoclass FW4321).

Petasites frigidus group Coltsfoot group PEFR5 group

Group description followed by descriptions of two phases: *Petasites frigidus-Salix sitchensis* phase and *Petasites frigidus-Equisetum arvense* phase

N=11 (MHNF 11)

		CONSTANCY	TYPICAL
SPECIES	COMMON NAME	%	COVER %
Trees-seedlings			
Alnus rubra	Red alder	64	2
Shrubs			
Salix sitchensis	Sitka willow	82	23
Rubus spectabilis	Salmonberry	27	3
Herbs			
Petasites frigidus	Coltsfoot	91	25
Mimulus guttatus	Yellow monkeyflower	82	2
Equisetum arvense	Common horsetail	73	15
Stachys cooleyae	Cooley's betony	73	3
Grass (unknown)	Grass (unknown)	55	1
Athyrium filix-femina	Lady fern	45	2
Aster modestus	Great northern aster	45	1
Tolmiea menziesii	Piggyback plant	45	1
Oxalis	Sorrel	45	1
Montia parvifolia	Streambank springbeauty	45	1
Cinna latifolia	Wood reedgrass	36	1

Elevations: 220 to 2280 feet (average 1650 feet).

Community: The Coltsfoot group is a lower elevation early seral community found on cobbly bars and banks within the active channel. Typically it is dominated by Sitka willow, with coltsfoot and common horsetail. Yellow monkey flower and Cooley's betony are also important associated species. Red alder seedlings are present on almost two-thirds of the plots.

Geomorphic environment: Geomorphic surfaces were cobble or boulder bars or banks at or below the normal high water line.

Substrates are sands or gravelly sands in a cobble or boulder matrix. These sites do not have developed soils, and have very little accumulations of fine sediments or organic material. The surfaces are subject to seasonal high energy flow. They are wet much of the year, but have little moisture or nutrient holding capacity.

Cascades

Willow, coltsfoot, common horsetail, and trillium-leaved sorrel are common pioneer species on freshly scoured or deposited cobble bars. They are among the riparian species that can be delivered to a site by flood waters and root in an in- or near-channel surface. This appeared most common where large debris was deposited on the cobbly surface.

Similar types: The <u>Sitka alder/coltsfoot</u> and <u>Coltsfoot-common horsetail</u> phases are similar to the <u>Coltsfoot-Cooley's betony</u> plant community. The <u>Coltsfoot-Cooley's betony</u> type tends to have more active floodplain species (stink currant, Cooley's betony, lady fern, trillium-leaved sorrel), and less yellow monkeyflower, a very wet indicator.

Wetland rating:

Community meets wetland test	Yes
Plots meeting wetland criteria	100%
Wetland indicators among	98% (range 80-100%)
dominant species	·

Non-natives: Exotics were present on 45% of the plots. Eleven species were recorded.

			CONSTANCY	TYPICAL COVER
EXOTIC	COMMON NAME	PLOTS	%	%
Lactuca muralis	Wall-lettuce	2	18	1
Lotus corniculatus	Bird's-foot trefoil	1	9	3
Rumex crispus	Curled dock	1	9	2
Cirsium vulgare	Bull thistle	1	9	1
Polygonum hydropiper	Marshpepper smartweed	1	9	1
Dactylis glomerata	Orchard grass	1	9	1
Digitalis purpurea	Foxglove	1	9	1
Hypericum perforatum	Common St.John's-wort	1	9	1
Hypochaeris	Cat's-ear	1	9	1
Leucanthemum vulgare	Oxeye daisy	1	9	1
Senecio vulgaris	Common groundsel	1	9	1

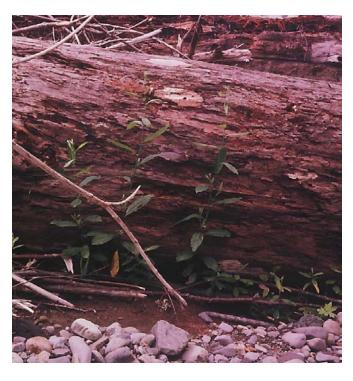
Other studies: This group is similar to the *Petasites frigidus* community described for the mid-Willamette NF in Campbell and Franklin (1979).

Petasites frigidus-Salix sitchensis phase Coltsfoot-Sitka willow phase PEFR5-SASI2 phase

N=6 (MHNF 6)

SPECIES	COMMON NAME	CONSTANCY %	TYPICAL COVER %
Trees-seedlings			
Alnus rubra	Red alder	50	2
Shrubs			
Salix sitchensis	Sitka willow	100	32
Rubus spectabilis	Salmonberry	33	4
Herbs			
Petasites frigidus	Coltsfoot	83	10
Stachys cooleyae	Cooley's betony	67	5
Mimulus guttatus	Yellow monkeyflower	67	3
Equisetum arvense	Common horsetail	50	1
Oxalis	Sorrel	50	1
Montia parvifolia	Streambank springbeauty	50	1
Tolmiea menziesii	Piggyback plant	50	1

Elevations: 220 to 2100 feet (average 1550 feet).



Community: Coltsfoot-Sitka willow phase is a community of cobbly bars and lower banks at or within the normal high water line. Young red alder and minor amounts of salmonberry are sometimes found. Sitka willow dominates the community. The most common and abundant herb species are coltsfoot, Cooley's betony, and yellow monkeyflower.

Sitka willow and coltsfoot sprout beneath flood-deposited log.



Coltsfoot-Sitka willow phase community: coltsfoot is flowering.

Geomorphic environment: Geomorphic surfaces were cobbly bars or lower banks, often point bars, within the normal high water line.

Substrates are sands or gravelly sands in a cobble or boulder matrix. One plot was on bedrock "with some pockets of cobbles, sands, and gravels". No litter or decomposing organic layers were found.

These sites are inundated annually, and have not accumulated fine sediments. They are generally wet for much of the year, but have little moisture or nutrient holding capacity. Willow, coltsfoot, and trillium-leaved sorrel are among the riparian species that can be delivered to a site by flood waters and root in an inor near-channel surface. This appeared most common where large debris was deposited on the cobbly surface.

Wetland rating:

Community meets wetland test	Yes
Plots meeting wetland criteria	100%
Wetland indicators among	97% (range 80-100%)
dominant species	

Cascades

Non-natives: Fifty percent of the plots had exotic species. Wall-lettuce was the only species found on more than one plot.

		CONSTANCY		TYPICAL
EXOTIC	COMMON NAME	%	PLOTS	COVER %
Lactuca muralis	Wall-lettuce	33	2	1
Lotus corniculatus	Bird's-foot trefoil	17	1	3
Rumex crispus	Curled dock	17	1	2
Cirsium vulgare	Bull thistle	17	1	1
Dactylis glomerata	Orchard grass	17	1	1
Digitalis purpurea	Foxglove	17	1	1
Leucanthemum vulgare	Oxeye daisy	17	1	1
Polygonum hydropiper	Marshpepper smartweed	17	1	1
Senecio vulgaris	Common groundsel	17	1	1

Other studies: This community is similar to the type described for the Mt. Hood NF in Diaz and Mellen (1996) as the SASI2/PEFR2 Plant Community (Ecoclass SW1132). It is also somewhat similar to the Sitka alder/common horsetail community (SASI/EQAR) described for the Olympic Experimental State Forest in Chappell (1999).

Petasites frigidus- Equisetum arvense phase Coltsfoot-common horsetail phase PEFR5-EQAR phase

N=5 (MHNF 5)

		CONSTANCY	TYPICAL COVER
SPECIES	COMMON NAME	%	%
Trees-seedlings			
Alnus rubra	Red alder	80	3
Shrubs			
Salix sitchensis	Sitka willow	60	6
Herbs			
Petasites frigidus	Coltsfoot	100	37
Equisetum arvense	Common horsetail	100	22
Mimulus guttatus	Yellow monkeyflower	100	2
Stachys cooleyae	Cooley's betony	80	3
Unknown grass	Grass	80	1
Athyrium filix-femina	Lady fern	60	2
Aster modestus	Great northern aster	60	1
Epilobium glaberrimum	Smooth willowherb	40	8
Circaea alpina	Enchanter's-nightshade	40	1
Tolmiea menziesii	Piggyback plant	40	1
Angelica arguta	Sharptooth angelica	40	1
Cinna latifolia	Wood reedgrass	40	1
Montia parvifolia	Streambank springbeauty	40	1
Juncus ensifolius	Dagger-leaved rush	40	Tr
Oxalis	Sorrel	40	Tr

Elevations: 1480 to 2280 feet (average 1510 feet).

Community: The <u>Coltsfoot-common horsetail phase</u> is an herb community that occurs on cobble bars, especially point bars within the normal high water line. Minor amounts of red alder seedlings and Sitka willow frequently occur. The dominant species are coltsfoot, common horsetail, and yellow monkeyflower. Other associated species include Cooley's betony, lady fern, and great northern aster. Sedges and rushes are generally present (80% constancy), summed cover averaging 4%. The yellow monkeyflower particularly indicates that these sites are very wet much of the year.

Geomorphic environment: Geomorphic surfaces are cobble bars at or below normal high water line.



Coltsfoot-common horsetail phase: on cobble bar in channel.

Plot notes typically describe substrate as "rocks with sand in between them", or "very cobbly with some sand deposits". These sites do not have developed soils, and have very little accumulations of fine sediments or organic material. The surfaces are subject to seasonal high energy flow. They are wet much of the year, but have little moisture or nutrient holding capacity.

Field observations immediately after a major flood note that coltsfoot and common horsetail are common pioneer species on freshly scoured or deposited cobble bars. Coltsfoot and sorrel often root from pieces deposited during the flood.

		rat	

Community meets wetland test	Yes
Plots meeting wetland criteria	100%
Wetland indicators among	100%
dominant species	

Non-natives: Exotic species were recorded on 40% of the plots.

		CONSTANCY		TYPICAL COVER
EXOTIC	COMMON NAME	%	PLOTS	%
Hypericum perforatum	Common St.John's-wort	20	1	1
Hypochaeris	Cat's-ear	20	1	1

Other studies: This community is somewhat similar to the Sitka alder/common horsetail community (SASI/EQAR) described for the Olympic Experimental State Forest in Chappell (1999).