

THE NATURAL RANGE OF YELLOW-CEDAR: A PHOTOGRAPHIC TOUR OF DIVERSE LOCATIONS

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The natural range of yellow-cedar (*Callitropsis nootkatensis*) is along the Pacific Coast from northern California to Prince William Sound, Alaska. Within this range yellow-cedar occurs from sea level to 2300 m elevation. Yellow-cedar is not ubiquitous throughout its total range and is absent from many areas where the habitat is suitable for this species. Yellow-cedar occasionally grows in pure stands but is usually found singly or in scattered groups mixed with other conifers. The purpose of this study was to locate and photograph yellow-cedar growing on diverse habitats throughout a subset of its natural range from northern California to southern British Columbia. Potential locations of yellow-cedar were found from range maps, hiking guides, personal observation and other reports. Yellow-cedar was found and photographed by using roads, hiking trails and by "bush whacking." Photographs were taken at a total of 264 locations. This report shows a representative sample of 38 locations. Photographs illustrate the variation in stem and stand structure at locations from Memekay River, British Columbia to Elk Hole, California (the southern-most known occurrence of this species). The yellow-cedar trees photographed vary in size from krummholz to a tree 418 cm in diameter. The photographs show trees growing on bogs, shallow acidic soils, well-drained soils, rocky ridges, talus and along lake margins. Elevations ranged from near sea level to 1850 m. Four locations are east of the crest of the Cascade Mountains, Washington, with one location 35 km east of the crest. Yellow-cedar growing within this wide geographic and elevational range has value for ecological as well as genetic and seed source studies. Locations of these stands (Table 1) are being documented to share with other researchers.

KEYWORDS: Yellow-cedar, range, habitat, ecology, soils, British Columbia, Washington, Oregon, California.

REFERENCES

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Table 1 -- Photo locations for yellow-cedar stands sampled in British Columbia, Washington, Oregon and northern California. Numbers under Site name correspond to numbers on the photos in Fig. 1 and the map in Fig. 2.

Site name	Lat. (N)	Long. (W)	Elev (m)
1 - Bog forest, Pacific Rim National Park, BC	49.0200	125.6200	30
2 - Memekay River, BC	50.0852	125.8627	1100
3 - Cypress Provincial Park, BC	49.3900	123.1900	880
4 - Mount Bolduc, BC	48.7130	124.3000	1120
5 - Forbidden Plateau, BC	49.7000	125.3000	1080
6 - Near Mt. Stickney, Mt. Baker-Snoqualmie NF	47.8980	121.6050	1200
7 - Goat Creek, Goat Rocks Wilderness, Gifford Pinchot NF	46.4820	121.4850	1460
8 - Miners Ridge, Wenatchee NF ¹	46.9680	121.3470	1580
9 - Near Silver Star Mountain, Gifford Pinchot NF	45.7470	122.2000	1110
10 - Ipsut Creek, Mt. Rainier NP	46.9633	121.8374	1010
11 - Duck Lake, Mt. Baker-Snoqualmie NF	46.6630	122.3300	970
12 - Rat Trap Pass, Mt. Baker-Snoqualmie NF	48.2030	121.3750	1050
13 - Canyon Lake Community Forest, Whatcom County, WA	48.8220	122.0290	1320
14 - Burnt Mountain, Wenatchee NF ¹	46.7130	121.1790	1850
15 - White Pass, Highway 12, WA	46.6470	121.3850	1370
16 - Ridge above Kettle Lake, Wenatchee NF ¹	46.8800	121.3330	1850
17 - Goat Creek, Mt. St. Helens National Volcanic Monument	46.4000	122.1350	1140
18 - Windy Point, WA ¹	46.7035	120.9000	600
19 - Owyhigh Lakes, Mt. Rainier NP	46.8673	121.5822	1580
20 - Granite Creek, North Cascades Highway, WA	48.5640	120.7760	1170
21 - Echo Basin, Willamette NF	44.4130	122.0960	1380
22 - Middle Pyramid, Willamette NF	44.4960	122.0760	1710
23 - Thorn Mountain, Umpqua NF	43.3540	122.4150	1430
24 - Twin Lakes, Umpqua NF	43.2300	122.5920	1540
25 - Pansy Lake, Bull of the Woods Wilderness, Mt. Hood NF	44.8900	122.1110	1210
26 - Moss Mountain, Willamette NF	43.5780	122.2600	1690
27 - Opal Lake, Opal Creek Wilderness, Mt. Hood NF	44.7920	122.2200	1030
28 - Pup Prairie, Rogue-Umpqua Divide Wild., Umpqua NF	43.0330	122.4700	1650
29 - Elk Hole, Klamath NF	41.6083	123.7083	1530
30 - Frog Pond, Red Buttes Wilderness, Rogue River NF	41.9800	122.2600	1520
31 - Mink Lake, Olympic NP	47.9474	123.8633	910
32 - Near Wagonwheel Lake, Olympic NP	47.5293	123.3000	1160
33 - Matheny Ponds, Olympic NF	47.5640	123.8580	850
34 - Buckhorn Mountain, Buckhorn Wilderness, Olympic NF	47.8260	123.0980	1550
35 - Three Peaks, Olympic NF	47.4940	123.5600	960
36 - Big Creek Meadows, Olympic NP	47.6016	123.7133	880
37 - Mt. Angeles, Olympic NP	47.9945	123.4583	1800
38 - Royal Creek, Olympic NP	47.8540	123.2160	1430

¹ -- East of the Cascade Crest.

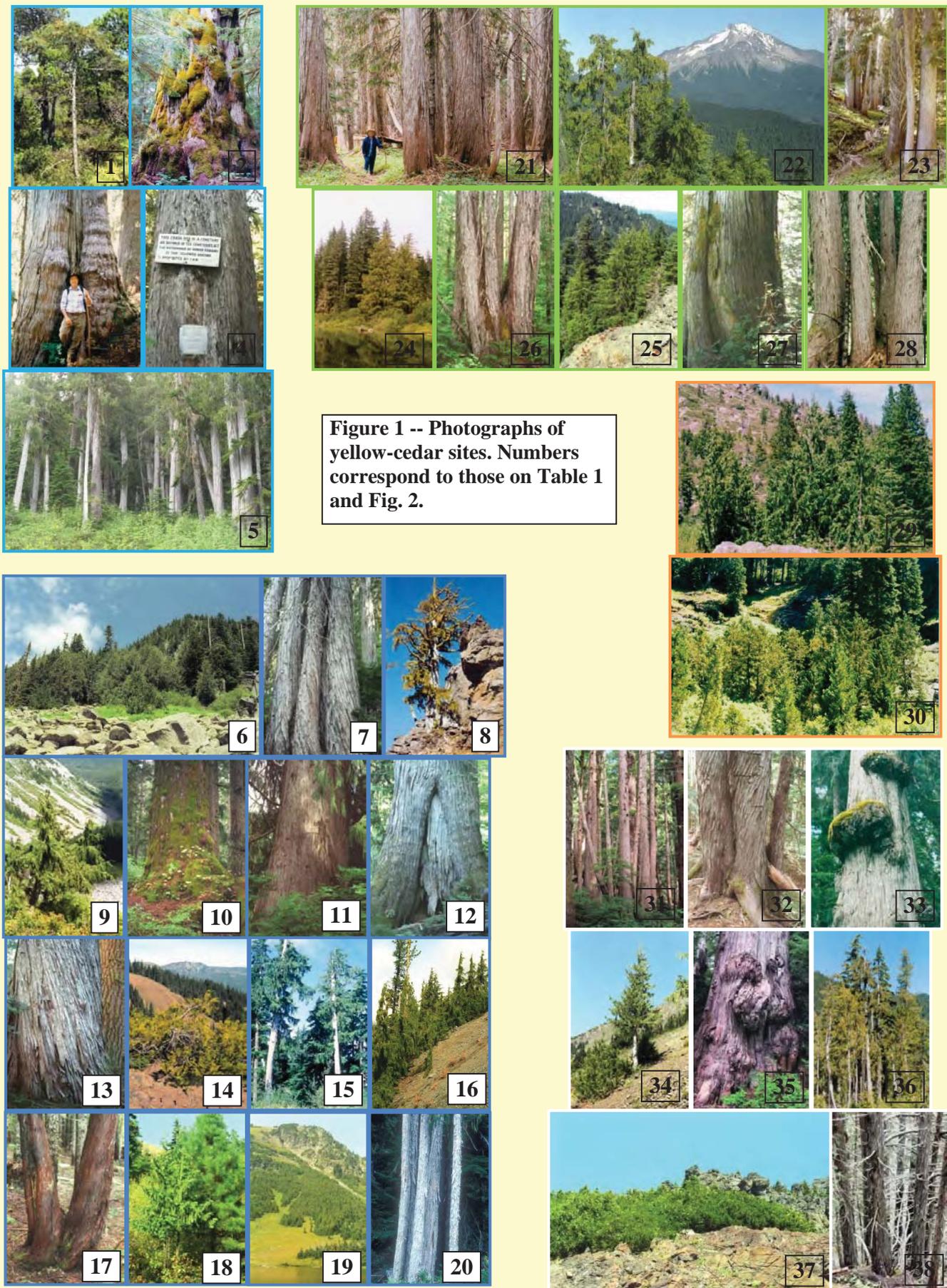


Figure 1 -- Photographs of yellow-cedar sites. Numbers correspond to those on Table 1 and Fig. 2.

Figure 2 -- Locations of yellow-cedar locations photographed for this study. Numbers correspond to those under "Site name" in Table 1 and on Fig. 1.

