

Percent cover of species on burned and unburned plots before disturbances and 1, 2, 3, 5, and 11 years following logging and fire.

Treatment		Unburned (n=14)						Spring burn (n=20)						Fall burn (n=15)					
Postfire year		before logging	1	2	3	5	11	before logging	1	2	3	5	11	before logging	1	2	3	5	11
Trees																			
subalpine fir	<i>Abies lasiocarpa</i>	9.9	4.9	5.3	6.7	8.6	20.5	0	0.3	0.3	0.1	0.1	0.2	4.6	0	0	0	0	0
Engelmann spruce	<i>Picea engelmannii</i>	1.5	2.2	2.2	1.3	1.5	1.1	0.8	0.4	0.4	0.1	0.2	1.3	1.4	0	0	0	0	0.6
Shrubs																			
menziesia	<i>Menziesia ferruginea</i>	24.3	22.3	25	15.2	14.3	20.3	20.5	2	2.1	1.3	2	5.4	21.3	2.2	3.3	3.2	3.7	7.9
Cascade azalea	<i>Rhododendron albiflorum</i>	11.3	4	5	3.8	3.8	8.2	19.8	0.8	1.7	1	1.4	3.1	6	1.6	2.4	2	2	3.7
bristly black currant	<i>Ribes lacustre</i>	2.6	5.6	6.2	6.7	4.7	6.2	1	0.3	0.6	0.3	0.4	0.5	3.2	0.6	1.5	0.9	1.1	1.2
red elderberry	<i>Sambucus racemosa</i> var. <i>racemosa</i>	0.4	1.4	1.4	2.1	0.7	0.4	0	1	4	1.7	2.4	1.2	0	0.1	3.7	1.3	1	0.7
western mountain-ash	<i>Sorbus sitchensis</i>	0	0	0	0	0	0	0.5	0.2	0.2	0.1	0.3	0.3	0.4	0	0.1	0.1	0	0.1
big huckleberry	<i>Vaccinium membranaceum</i>	11	11.7	14.4	8.2	7.7	6.8	8.7	3.1	4.9	2.2	3.9	10.4	10.9	3.4	7.1	5.6	5.3	13.5
ovalleaf huckleberry	<i>V. ovalifolium</i>	6.2	6.5	8.5	4	4.5	5.7	8	0.9	3.1	0.8	1.7	2.8	11.1	2.4	4.6	1.8	3.4	4.6
Herbs																			
pearly pussytoes	<i>Antennaria anaphaloides</i>	0	0	0	0	0	0	0	0	0.1	0.2	0.8	1.7	0	0	0	0.1	0.3	0.9
heartleaf arnica	<i>Arnica cordifolia</i>	1.6	3.8	3.5	2	1.3	0.3	3.7	4.4	8.2	1.7	3.2	4.5	0.2	1.3	4.4	1.6	2.2	1.1
lady fern	<i>Athyrium filix-femina</i>	4.7	7.7	6.6	5.1	4.2	3.6	1.9	1.3	1.4	1.3	1.3	0.9	4	3.6	4.5	2.5	2.3	1.9
bluejoint reedgrass	<i>Calamagrostis canadensis</i>	0	0.3	1.1	0.5	0.5	0.4	0	0	0.3	0.3	0.3	0.3	0	0.3	1.9	2.4	2.7	3
dryspike sedge	<i>Carex foenea</i> var. <i>foenea</i>	0	0	0	0	0	0	0	0.3	0.8	0.3	0.2	0	0	0	0	0	0	0
sedges	<i>Carex</i> spp.	0	0	0	0	0	0	0	0.7	1.2	0.5	0.5	0.2	0	0	0.7	0.4	0.2	0.4

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fireweed	<i>Chamerion angustifolium</i>	0.1	2.2	1.4	2.5	1.9	4	0	2	25.5	29.9	25.9	9.4	0	0.4	11.2	25.5	25.4	10.3
queencup beadlily	<i>Clintonia uniflora</i>	1.4	1.5	2.1	3.7	2.5	1.4	2.3	0.2	0.8	0.5	1.2	1.7	2.1	0.6	3	2.1	4.1	2.9
spreading woodfern	<i>Dryopteris expansa</i>	0.6	2.8	1.8	0.7	0.6	0.4	0.7	0	0	0	0	0	1.5	1.6	1.5	0.4	0.5	0.3
fringed willowherb	<i>Epilobium ciliatum</i>	0	0.1	0	0	0	0	0	0	2.7	0.3	0	0	0	0	0.4	0	0	0
willowherb	<i>Epilobium</i> spp.	0	0	0	0	0	0	0	0	1.3	0	0	0	0	0.1	2.7	0	0	0
sweetscented bedstraw	<i>Galium triflorum</i>	0	0.2	0.2	0	0.1	0	0	0	0	0	0	0	0.1	0	0	0	0	0.1
oak fern	<i>Gymnocarpium dryopteris</i>	25.6	23	25	22.4	31.9	21.3	28.8	1.3	4.8	2.5	3.8	5.3	26.3	11.7	14.7	14.5	16.2	16.1
white hawkweed	<i>Hieracium albiflorum</i>	0	0	0.1	0	0	0.1	0	0	0.5	0.1	0.8	0.7	0	0	0	0	0	0.3
smallflowered woodrush	<i>Luzula parviflora</i>	0	0.1	0	0.1	0	0	0	0.2	0.7	0.6	1	0.7	0.2	0.8	0.2	0.2	0.5	0.9
Brewer's miterwort	<i>Mitella breweri</i>	2.2	2.9	3.3	1.5	1.1	1.2	2.3	0.5	1.3	1.5	1.8	2	2	1.7	4.7	4.1	5.9	5.1
sweetcicely	<i>Osmorhiza berteroi</i>	0	0.4	0.3	0.1	0.2	0	0.1	0.1	0.3	0.1	0.1	0.1	0.1	1.1	2.7	0.7	0.1	0.2
strawberryleaf raspberry	<i>Rubus pedatus</i>	3.3	1.5	3.5	2.1	2.2	1.2	1.1	0	0	0	0	0.1	1.1	0.5	0.9	0.4	0.8	0.8
claspleaf twistedstalk	<i>Streptopus amplexifolius</i>	0	0	0	0.1	0	0	0	0	0	0	0	0	0.3	0.5	1.9	0.4	0.2	0.2
twistedstalk	<i>Streptopus lanceolatus</i>	6.5	7.7	10	9.1	8.8	5.6	6.3	1.1	7.7	3.7	7.7	6.1	6.2	6	12.1	15.2	18.6	11.4
threeleaf foamflower	<i>Tiarella trifoliata</i> var. <i>trifoliata</i>	0.1	0.7	0.7	0	0	0.1	0.2	0	0	0	0	0	0.4	0	0	0	0	0
oneleaf foamflower	<i>Tiarella trifoliata</i> var. <i>unifoliata</i>	4.7	25.5	15.2	9.4	5.6	2.9	8.2	3.6	5.5	2.3	2.6	2.5	7.2	6.1	15.1	6.3	5.9	3.7

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Sitka valerian	<i>Valeriana sitchensis</i>	11.4	25.4	22.5	25	29.9	11.3	15.1	9.1	14.6	8.5	10.1	9.5	17.1	13.6	17.9	17.5	15	13.3
green false hellebore	<i>Veratrum viride</i>	2.5	4.2	3.7	4.4	4.4	4.7	2.3	1.4	2.5	2.1	1.9	2.6	4.5	7.5	8.7	7.5	6.3	7.5
pioneer violet	<i>Viola glabella</i>	2.7	3.2	2	2.1	2.3	1.3	1	0.4	1.5	0.6	0.5	0.6	2.3	2	3.7	2.4	2.7	2.4