

Table 3: Indicator species for high severity burns and low severity/unburnt stands. Species highlighted in gray also favored multiple burns and/or thinned and burnt stands. Species in bold have a highly significant *p*-value (≤ 0.01). Letters following species names indicate Karuk traditional uses: for plants, M = Medicinal, F = Food, B = Building materials (includes cordage and tools); for birds, R= Regalia, C = Ceremony, S = Spiritual and/or Story-telling (see text for sources).

Species	IndVal	p-value	Species	IndVal	p-value
Plants			Birds		
Indicators of high severity burns					
Ceanothus integerrimus _{M,B}	82	0.001	Spotted Towhee _S	79	0.001
Madia spp.	73	0.001	Lazuli Bunting _{R,C}	69	0.001
Ribes spp. _F	65	0.01	Nashville Warbler _{R,C}	62	0.012
Melica spp.	62	0.046	Western Wood-Pewee	61	0.001
Elymus glaucus _{F,M}	61	0.003	Northern Flicker _{R,C,S}	57	0.01
Festuca microstachys	59	0.001	MacGillivray's Warbler _{R,C}	54	0.008
Rubus leucodermis _F	59	0.02	Wrentit	54	0.001
Asyneuma prenanthoides	58	0.001	House Wren	48	0.011
Solanum parishii	56	0.002	Hummingbird sp. _{R,C,S}	48	0.01
Rubus ursinus _F	54	0.012	Acorn Woodpecker _{R,C}	44	0.085
Collomia heterophylla	53	0.06	Purple Finch	44	0.082
Rubus parviflorus _{F,M}	51	0.08	Lesser Goldfinch _{R,C}	38	0.021
Agoseris spp. _F	48	0.012	Bewick's Wren	33	0.076
Calystegia occidentalis _M	48	0.011	Bushtit	33	0.067
Chamerion angustifolium	48	0.005			
Silene spp. _M	45	0.034			
Arctostaphylos spp. _{F,B}	44	0.081			
Quercus garryana _{F,M}	44	0.078			
Bromus carinatus _F	43	0.01			
Daucus pusillus	43	0.005			
Eriophyllum lanatum	43	0.007			
Achillea millefolium _M	40	0.072			
Dichelostemma spp. _F	38	0.026			
Hosackia crassifolia	38	0.032			
Fragaria vesca _F	33	0.075			
Sambucus nigra _{F,B,M}	33	0.067			
Indicators of low severity/unburnt stands					
			Black-throated Gray/ Hermit Warbler _{R,C}	68	0.031
Pseudotsuga menziesii _{B,M}	74	0.008	Cassin's Vireo	66	0.033
Anisocarpus madioides	65	0.005	Red-breasted Nuthatch	63	0.001
Iris spp. _c	63	0.039	Chestnut-backed Chickadee	61	0.006
Adenocaulon bicolor	59	0.004	Hutton's Vireo	61	0.008
Pinus lambertiana _{F,B}	57	0.036	Brown Creeper	59	0.009
Pyrola spp. _M	56	0.009	Hermit Thrush	40	0.025
Osmorrhiza berteroi _M	52	0.043			
Chimaphila umbellata _M	49	0.004			

<i>Viola lobata</i>	49	0.015
<i>Abies concolor</i>	43	0.074
<i>Goodyera oblongifolia</i>	43	0.04

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