|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 millefollium* 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** | | | | | | | | | | | |  | | |
| ***Pseudotsuga menziesii* B,M** | **74** | **0.008** | |  | | Black-throated Gray/  Hermit Warbler R,C | | 68 | | 0.031 | | |  | | |
| ***Anisocarpus madioides*** | **65** | **0.005** | |  | | Cassin's Vireo | | 66 | | 0.033 | | |  | | |
| *Iris* spp.C | 63 | 0.039 | |  | | **Red-breasted Nuthatch** | | **63** | | **0.001** | | |  | | |
| ***Adenocaulon bicolor*** | **59** | **0.004** | |  | | **Chestnut-backed Chickadee** | | **61** | | **0.006** | | |  | | |
| *Pinus lambertiana* F,B | 57 | 0.036 | |  | | **Hutton's Vireo** | | **61** | | **0.008** | | |  | | |
| ***Pyrola*spp. M** | **56** | **0.009** | |  | | **Brown Creeper** | | **59** | | **0.009** | | |  | | |
| *Osmorrhiza berteroi* M | 52 | 0.043 | |  | | Hermit Thrush | | 40 | | 0.025 | | |  | | |
| ***Chimaphila umbellata* M** | **49** | **0.004** | |  | |  | |  | |  | | |  | | |
| *Viola lobata* | 49 | 0.015 | |  | |  | |  | |  | | |  | | |
| *Abies concolor* | 43 | 0.074 | |  | |  | |  | |  | | |  | | |
| *Goodyera oblongifolia* | 43 | 0.04 | |  | |  | |  | |  | | |  | | |

