

Appendix 1. Summary statistics at study locations in one partially logged (Foothills) and one unlogged (Star Gulch) post-wildfire area in dry coniferous forests of Idaho. Data are from non-nest random plots that were available but unused by cavity-nesting bird species throughout the study period (1994-2003).

	Foothills (N=30)		Star Gulch (N=29)	
	Mean	SE	Mean	SE
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% within 1-km radius surrounding non-nest snag				
Unburned	29.77	1.33	21.40	1.23
Low severity burn	24.93	0.69	22.92	0.38
Medium-high severity burn	45.30	1.73	55.68	1.54
< 40% pre-fire crown closure	64.02	1.89	53.22	1.93
≥ 40-70% pre-fire crown closure	25.89	0.98	38.00	1.46
>70% pre-fire crown closure	10.09	1.07	8.79	0.81
Plot-level				
Patch area (ha)	63.45	15.15	67.05	15.50
Random snag diameter at breast height (cm)	26.26	2.45	31.38	2.79

Snag density for snags \geq 23 cm dbh (per ha)	36.42	6.21	67.02	11.26
Shrub stems (per m ²)	5.24	0.75	8.08	0.82
Ponderosa pine nest snags (%)	64.41		37.93	
Other conifer nest snags (%)	35.59		62.07	
Pixel-level (% in each category)				
Ponderosa pine vegetation type	38.98		27.59	
Mixed conifer vegetation type	61.02		72.41	
< 40% Pre-fire crown closure	66.10		48.28	
\geq 40-70% Pre-fire crown closure	20.34		44.83	
> 70% Pre-fire crown closure	13.56		6.90	

Appendix 2. Summary statistics for 4 cavity-nesting bird species in dry coniferous forests of Idaho. Acronyms are LEWO=Lewis's Woodpecker, HAWO=Hairy Woodpecker, BBWO=Black-backed Woodpecker, and NOFL=Northern Flicker.

	LEWO (N=353)		HAWO (N=209)		BBWO (N=46)		NOFL (N=201)	
	Mean	SE	Mean	SE	Mean	SE	Mean	SE
% within 1-km radius surrounding nest snag								
Unburned	22.72	0.43	20.35	0.59	19.35	1.16	20.59	0.57
Low severity burn	21.66	0.21	21.90	0.26	22.07	1.41	21.50	0.31
Medium-high severity burn	55.63	0.53	57.75	0.77	58.59	1.67	57.91	0.73
< 40% pre-fire crown closure	54.84	0.57	50.43	0.84	46.06	1.82	52.68	0.88
≥ 40-70% pre-fire crown closure	33.35	0.47	38.84	0.66	42.06	1.25	36.46	0.66
> 70% pre-fire crown closure	11.82	0.32	10.73	0.44	11.88	1.09	10.86	0.45
Nest-level								
Patch area (ha)	109.92	7.23	132.91	11.09	152.69	26.56	111.24	14.09
Nest snag diameter at breast height (cm)	50.47	0.97	41.74	1.06	40.15	1.71	49.94	1.34
Snag density for snags ≥ 23 cm (per ha)	107.48	4.03	158.28	6.67	202.68	12.36	120.05	6.50

Shrub stems (per m ²)	4.05 0.18	4.83 0.34	4.56 0.68	4.81 0.29
Ponderosa pine nest snags (%)	68.11	54.37	71.11	52.83
Other conifer nest snags (%)	31.89	45.63	28.89	47.17
Pixel-level (% in each category)				
Logged	68.76	20.42	17.78	26.42
Unlogged	31.24	79.58	82.22	73.58
Early postfire period	39.91	75.94	15.00	58.57
Late postfire period	60.09	24.06	85.00	41.43
Ponderosa pine vegetation type	41.43	36.41	46.67	32.08
Mixed conifer vegetation type	58.57	63.59	53.33	57.08
< 40% Pre-fire crown closure	36.66	33.98	22.22	43.87
≥ 40-70% Pre-fire crown closure	46.42	47.57	51.11	42.92
> 70% Pre-fire crown closure	16.92	18.45	26.67	13.21

Appendix 3. Summary statistics for 2 species of secondary cavity-nesting birds in dry coniferous forests of Idaho.

	Available cavities (N = 809)		Western Bluebird (N = 156)		Mountain Bluebird (N = 191)	
	Mean	SE	Mean	SE	Mean	SE
% within 1-km radius surrounding nest snag						
Unburned	21.30	0.20	20.43	0.57	19.78	0.56
Low severity burn	21.73	0.10	21.80	0.28	22.79	0.33
Medium-high severity burn	56.97	0.25	57.78	0.68	57.43	0.78
< 40% pre-fire crown closure	52.53	0.28	50.78	0.82	52.04	0.89
≥ 40-70% pre-fire crown closure	35.86	0.23	37.21	0.65	36.36	0.62
> 70% pre-fire crown closure	11.61	0.16	12.01	0.48	11.61	0.45
Nest-level						
Patch area (ha)	152.06	3.86	128.90	11.02	79.56	8.14
Nest snag diameter at breast height (cm)	47.42	0.45	40.08	1.21	40.22	1.26
Snag density for snags ≥ 23 cm dbh (per ha)	129.14	3.17	124.48	6.57	157.92	7.23

Shrub stems (per m ²)	4.19 0.10	4.73 0.26	4.99 0.30
Ponderosa pine nest snags (%)	57.64	57.00	19.35
Other conifer nest snags (%)	42.36	43.00	80.65
Pixel-level (% in each category)			
Logged	45.19	46.86	15.67
Unlogged	54.81	53.14	84.33
Early postfire period	47.75	54.11	66.82
Late postfire period	52.25	45.89	33.18
Ponderosa pine vegetation type	35.36	40.58	20.28
Mixed conifer vegetation type	59.26	57.97	71.43
< 40% Pre-fire crown closure	39.12	30.43	29.49
≥ 40-70% Pre-fire crown closure	43.51	47.83	45.16
> 70% Pre-fire crown closure	17.36	21.74	25.35