

Table 1. Ranking of observed behaviors by a reproductive success index of all species using study sites. Only species observed five or more times used in summary.

Species	Fledge		Food		Nest		Nesting		Territorial		Courtship		Sing		Call		Visual		Forage											
			Carry		Found		Carry		Display		Display																			
Acorn Woodpecker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P ₅	I ₄	-	P ₅	-	-									
Anna's Hummingbird	-	-	-	R ₅	-	I ₂	-	P ₅	I ₁	-	-	I ₁	-	P _{1,2,4,5}	I ₂	R _{1,2}	P _{1,4,6}	-	-	-	I _{1,2,5}	R _{1,5,6}	P _{1,2,5,6}	I _{5,4}	R _{1,6}	P _{2,6}	I ₄	-	P ₄	
Ash-throated Flycatcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P ₅	-	-	-	-	-	-	-	-	-	P ₅	-	-	
Bewick's Wren	-	-	-	-	-	-	-	-	-	-	-	-	-	P _{5,6}	-	-	-	-	-	-	-	-	-	-	-	-	P ₆	-	-	
Black-headed Grosbeak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	I ₄	-	-	-	-	-	-	-	-	I ₄	-	-	-	-	-	
Bushtit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P ₂	-	-	
California Towhee	-	-	-	R ₂	-	-	-	-	I ₅	R ₆	-	I ₄	-	-	-	-	-	-	-	-	-	I _{2,4,5}	R _{all}	P _{all}	I _{4,5,6}	R _{all}	P _{all}	-	R _{5,6}	
Cactus Wren	-	-	-	-	-	-	P ₆	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P ₆	-	-	
Costa's Hummingbird	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R ₆	-	R ₆	P ₆	-	R ₆	P ₆	
Common Yellowthroat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P ₄	-	-	
European Starling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R ₅	-	-	-	-	-	-	
Grasshopper Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	I ₂	-	-	-	-	-	-	I ₂	-	-	I ₂	-	-	-	-	
House Finch	-	-	-	R ₄	-	-	-	-	R ₄	-	-	-	-	-	-	-	P ₅	I _{4,5}	R _{4,5,6}	P _{4,5,6}	I ₅	-	P ₄	I ₄	R _{5,6}	P _{4,6}	-	R ₅	-	
House Wren	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P ₅	-	-	
Lazuli Bunting	-	-	P ₂	-	-	P ₂	-	-	-	-	-	-	R ₆	-	-	-	-	-	-	-	-	R _{4,6}	P ₂	-	R ₆	-	-	R ₄	-	
Lesser Goldfinch	-	-	-	-	-	-	-	I ₄	R ₆	-	-	R ₆	-	-	-	-	-	-	-	-	-	R ₅	P ₄	I _{4,5}	R _{5,6}	P _{1,2,4,6}	I _{4,5}	R ₅	P _{1,2,4,6}	
Mourning Dove	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P ₅	-	-	
Northern Mockingbird	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P ₂	-	-
Oak Titmouse	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P ₁	-	R _{5,6}
Orange-crowned Warbler	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P ₄	-	-
Phainopepla	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P ₆	-	-
Rufous-crowned Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	I ₄	-	-	I ₄	-	-
Say's Pheobe	-	-	-	R ₁	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R ₁	-	-	R ₁	-	-
Song Sparrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	I ₄	-	-	-	-	-	-	-	-	-	I ₄	-	-	P ₄	-	-
Spotted Towhee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	I ₄	R _{2,4,5,6}	P _{1,4,5,6}	I ₄	R _{4,6}	P _{all}
Western Scrub-Jay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P ₂	-	-
Wrentit	-	-	P ₅	-	R ₆	P _{4,5}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

I = Artichoke thistle invaded sub-site

R = Restoration sub-site

P = Pristine coastal sage scrub sub-site

1,2,4,5,6 = Main sites #, youngest to oldest by restoration sub-site (ex. Site 1's R sub-site is on year 1 of restoration, Site 6's R sub-site is on year 6 of restoration)