

Table U-3. Selection Criteria for Indicator Species

Assessment Endpoint	Functional Group	Indicators	Selection Criteria											
			Representation within functional group	Position in food chain	High potential for exposure	Importance as predator or prey	Availability of toxicity data	Availability of test protocols / collection	Sensitivity to CPECs	Susceptibility to bioaccumulation or biomagnification	Special status species	Occurrence onsite	Value to ecosystem	Value to humans
Terrestrial Areas														
Protection of primary producer community	Terrestrial plants	Vascular plants	Yes	1° producer	Yes	Yes	Mostly inorganics	Yes	Mostly inorganics	Mostly inorganics	Representative of special status plants	Yes	Yes	No
Protection of soil fauna community	Soil invertebrates	General	Yes	1° consumer	Yes	Yes	Mostly inorganics	Yes	Yes	Yes	No	Yes	Yes	No
Protection of herpetofauna	Reptiles	Western Fence Lizard (<i>Sceloporus occidentalis</i>)	Yes	2° consumer	Yes	Yes	Sparse	Yes	Unknown; data sparse	Unknown; data sparse	Representative of special status reptiles (e.g., California horned lizard)	Yes	Yes	No
Protection of terrestrial mammal populations	Herbivorous small mammals	California vole (<i>Microtus californicus</i>)	Yes	2° consumer	Yes	Yes	Data available	Yes	Yes	Yes	No	Yes	Yes	No
	Insectivorous small mammals	Ornate shrew (<i>Sorex ornatus</i>)	Yes	2° consumer	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
	Carnivorous mammals	Striped Skunk (<i>Mephitis mephitis</i>)	Yes	3° consumer	Yes	Yes	Data available	Difficult	Yes	Yes	Representative of American badger and ringtail	Yes	Yes	No
Protection of terrestrial bird populations	Insectivorous birds	Western Meadowlark (<i>Sturnella neglecta</i>)	Yes	2° consumer	Yes	Yes	Data available	Difficult	Yes	Yes	Representative of migratory birds (e.g., California horned lark)	Yes	Yes	No
	Carnivorous birds (raptors)	American Kestrel (<i>Falco sparverius</i>)	Yes	3° consumer	Yes	Yes	Data available	Difficult	Yes	Yes	Representative of raptors (e.g., hawks, golden eagle)	Yes	Yes	No

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Aquatic Areas														
Protection of primary producer community	Aquatic plants	General	Yes	1° producer	Yes	Yes	Mostly inorganics	Yes	Mostly inorganics	Mostly inorganics	No	Yes	Yes	No
Protection of aquatic community	Aquatic invertebrates	General	Yes	1° consumer	Yes	Yes	Data available	Yes	Yes	Yes	No	Yes	Yes	No
Protection of herpetofauna	Amphibians ^a	<i>Bufo sp.</i>	Yes	2° consumer	Yes	Yes	Some data available	Yes	Yes	Yes	Representative of western spadefoot toad	Yes	Yes	No
		<i>Rana sp.</i>	Yes	2° consumer	Yes	Yes	Some data available	Yes	Yes	Yes	Representative of red-legged frogs	Yes	Yes	No
Protection of wading bird/waterfowl populations	Wading birds (invertebrate-eating)	Killdeer (<i>Charadrius vociferus</i>)	Yes	2° consumer	Yes	Yes	Data available	Difficult	Yes	Yes	Representative of wading birds (e.g., curlew)	Yes	Yes	No
	Dabbling ducks (invertebrate-eating)	Mallard (<i>Anas platyrhynchos</i>)	Yes	2° consumer	Yes	Yes	Data available	Difficult	Yes	Yes	No	Yes	Yes	Yes
Protection of mammal populations	Omnivorous mammals	Raccoon (<i>Procyon lotor</i>)	Yes	3° consumer	Yes	Yes	Data available	Difficult	Yes	Yes	No	Yes	Yes	No

^a Some amphibians may be found in upland (terrestrial) area of the site.