

Appendix BIO-2

Special Status Species with Potential to Occur

**TABLE BIO-1
SPECIAL STATUS SPECIES WITH POTENTIAL TO OCCUR**

Potential to Occur						
Common Name	Scientific Name	Sensitivity Status	Preferred Habitat	Lower Colorado River	IID Water Service Area and All-American Canal	Salton Sea
Plants						
Algodones Dunes sunflower	<i>Helianthus niveus</i> spp. <i>Tephrodes</i>	Federal: - State: SE CDFW: - BLM: BLMS	Desert dunes, creosote bush scrub	Moderate Potential: The Action Area supports marginal habitat for a particular species.	Low Potential: The Action Area supports limited habitat for this species.	Moderate Potential: The Action Area supports marginal habitat for a particular species.
Coachella Valley milk-vetch	<i>Astragalus lentiginosus</i> var. <i>coachellae</i>	Federal: FE State: - CDFW: - BLM: -	Desert dunes, creosote bush scrub	Not Expected: The Action Area is out of the known range for this species.	Not Expected: The Action Area is out of the known range for this species.	Not Expected: The Action Area is out of the known range for this species.
Parish's daisy	<i>Erigeron parishii</i>	Federal: FT State: - CDFW: - BLM: -	Desert scrub	Not Expected: The Action Area is out of the known range for this species.	Not Expected: The Action Area is out of the known range for this species.	Not Expected: The Action Area is out of the known range for this species.
Peirson's milk-vetch	<i>Astragalus magdalenae</i> var. <i>peirsonii</i>	Federal: FE State: SE CDFW: - BLM: -	Desert dunes, creosote bush scrub	Moderate Potential: The Action Area supports marginal habitat for a particular species.	Low Potential: The Action Area supports limited habitat for this species.	Moderate Potential: The Action Area supports marginal habitat for a particular species.
Triple-ribbed milk-vetch	<i>Astragalus tricarinatus</i>	Federal: FE State: - CDFW: - BLM: -	Desert scrub	Not Expected: The Action Area is out of the known range for this species	Not Expected: The Action Area is out of the known range for this species	Not Expected: The Action Area is out of the known range for this species
Wiggin's croton	<i>Croton wigginsii</i>	Federal: - State: SR CDFW: - BLM: BLMS	Desert dunes, creosote bush scrub	Moderate Potential: The Action Area supports marginal habitat for a particular species.	Low Potential: The Action Area supports limited habitat for this species.	Moderate Potential: The Action Area supports marginal habitat for a particular species.
Invertebrates						
Cheeseweed moth lacewing	<i>Oliarces clara</i>	Federal: - State: - CDFW: - BLM: -	Desert, creosote bush scrub	Present: The species has been observed along the Colorado River	Low Potential: The Action Area supports limited habitat for this species.	Present: The species has been observed along the Salton Sea.
Andrew's dune scarab beetle	<i>Pseudocotalpa andrewsi</i>	Federal: - State: - CDFW: - BLM: -	Desert, Algodones Dunes	Present: The species has been observed along the Colorado River	Low Potential: The Action Area supports limited habitat for this species.	Low Potential: Limited habitat exists, species is not expected to occur within the Action Area.
Fish						
Bonytail chub	<i>Gila elegans</i>	Federal: FE State: SE CDFW: - BLM: -	Aquatic, Colorado River basin flowing waters, Colorado River basin standing waters	Present: Species is known to occur in the Lower Colorado River, documented near the Cibola National Wildlife Refuge, and Lake Mohave.	Not Expected: The Action Area does not support habitat for a particular species.	Not Expected: The Action Area does not support habitat for a particular species.
Colorado pikeminnow	<i>Ptychocheilus lucius</i>	Federal: FE State: SE CDFW: FP BLM: -	Aquatic, Colorado River basin flowing waters	Not Expected: The Action Area does not support habitat for a particular species.	Not Expected: The Action Area does not support habitat for a particular species.	Not Expected: The Action Area does not support habitat for a particular species.

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Common Name	Scientific Name	Sensitivity Status	Preferred Habitat	Lower Colorado River	IID Water Service Area and All-American Canal	Salton Sea
Desert pupfish	<i>Cyprinodon macularius</i>	Federal: FE State: SE CDFW: - BLM: -	Aquatic, artificial flowing waters, artificial standing waters, Colorado River basin flowing waters, Colorado River basin standing waters	Present: This species has been observed along the Lower Colorado River, in a feeder stream located within the Buzzards Peak Wilderness area. This watershed feeds into the Proposed Action Area.	Present: Desert pupfish are found in drains spanning from the southwestern corner of the Salton Sea near the Sonny Bono National Wildlife Refuge up through the Imperial Irrigation District Managed Marsh Complex and Imperial Wildlife Areas.	Present: Desert pupfish are found in drains spanning from the southwestern corner of the Salton Sea near the Sonny Bono National Wildlife Refuge up through the Imperial Irrigation District Managed Marsh Complex and Imperial Wildlife Areas.
Razorback sucker	<i>Xyrauchen texanus</i>	Federal: FE State: SE CDFW: FP BLM: -	Aquatic, Colorado River basin flowing waters	Present: The species is known to inhabit the mainstem Lower Colorado River below Parker Dam, Lake Mohave, Lake Mead and Lake Havasu. Razorback suckers have been documented along the Lower Colorado River, near Martinez Lake up to Deer Island.	Present: The species is known to inhabit areas adjacent to the Salton Sea north of the Imperial Wildlife Area bordering the Chocolate Mountains.	Not Expected: The Action Area does not support habitat for a particular species.
Amphibians And Reptiles						
Banded gila monster	<i>Heloderma suspectum cinctum</i>	Federal: - State: - CDFW: SSC BLM: BLMS	Desert; Mojavean desert scrub, Riparian scrub, Sonoran desert scrub	Present: The species has been observed along the Colorado River.	Not Expected: Suitable habitat for the species is not present.	Not Expected: Suitable habitat for the species is not present.
Couch's spadefoot toad	<i>Scaphiopus couchii</i>	Federal: - State: - CDFW: SSC BLM: BLMS	Desert; Arid and semiarid habitats of the southwest	Present: The species has been observed along the Colorado River.	Low Potential: The Action Area supports limited habitat for this species.	Present: The species has been observed along the Salton Sea.
Desert Tortoise	<i>Gopherus agassizi</i>	Federal: FT State: ST CDFW: - BLM: -	Desert; Sandy washes, Canyons, and gravel beds dominated by creosote bush scrub with ocotillo, cactus, and yucca	Present: The species has been observed along the Colorado River.	Low Potential: The Action Area supports limited habitat for this species.	Present: The species has been observed along the Salton Sea.
Flat-tailed horned lizard	<i>Phrynosoma mcallii</i>	Federal: FPT State: - CDFW: SSC BLM: BLMS	Desert; sparsely vegetated, sandy areas	Present: The species has been observed along the Colorado River.	Present: The species has been observed within the IID Service Area.	Present: The species has been observed along the Salton Sea.
Lowland leopard frog	<i>Lithobates yavapaiensis</i>	Federal: - State: - CDFW: SSC BLM: BLMS	Wetland, Aquatic; small streams and marshes that support emergent vegetation	Present: The species has been observed along the Colorado River.	Present: The species has been observed within the IID Service Area.	Present: The species has been observed along the Salton Sea.
Sonoran mud turtle	<i>Kinosternon sonoriense</i>	Federal: - State: - CDFW: SSC BLM: -	Aquatic; backwaters	Present: The species has been observed along the Colorado River.	Present: The species has been observed within the IID Service Area.	Present: The species has been observed along the Salton Sea.

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Common Name	Scientific Name	Sensitivity Status	Preferred Habitat	Lower Colorado River	IID Water Service Area and All-American Canal	Salton Sea
Birds						
Aleutian Canada Goose	<i>Branta canadensis leucopareia</i>	Federal: - State: - CDFW: WL BLM: -	Agricultural fields, Wetlands	Not Expected: Suitable habitat for the species is not present.	Present: The species has been observed within the IID Water Service Area.	Not Expected: Suitable habitat for the species is not present.
American peregrine falcon	<i>Falco peregrinus anatum</i>	Federal: - State: - CDFW: S BLM: -	General; wide range of open country habitats from desert mountains to seacoasts	Not Expected: Suitable nesting habitat for the species is not present, foraging activities not likely to be impacted by the Proposed Project.	Not Expected: Suitable nesting habitat for the species is not present, foraging activities not likely to be impacted by the Proposed Project.	Not Expected: Suitable nesting habitat for the species is not present, foraging activities not likely to be impacted by the Proposed Project.
American white pelican	<i>Pelecanus erythrorhynchos</i>	Federal: - State: - CDFW: SSC BLM: -	Aquatic habitat, predominantly Salton Sea	Not Expected: Suitable habitat for the species is not present.	Not Expected: Suitable habitat for the species is not present.	Present: The species has been observed within a particular portion of Action Area.
Arizona Bell's vireo	<i>Vireo bellii arizonae</i>	Federal: - State: SE CDFW: - BLM: BLMS	Riparian forest	Present: Species has been documented along the Lower Colorado River from the Fort Yuma Indian Reservation up to the Cibola National Wildlife Refuge.	Present: Species has been documented within the IID Water Service Area within the Imperial Irrigation District Managed Marsh Complex.	Not Expected: Suitable habitat for the species is not present.
Bald eagle	<i>Haliaeetus leucocephalus</i>	Federal: - State: SE CDFW: FP BLM: BLMS	Agricultural field, Wetlands	Low Potential: The Action Area supports limited habitat for this species.	Low Potential: The Action Area supports limited habitat for this species.	Present: The species has been observed within a particular portion of Action Area.
Bank swallow	<i>Riparia riparia</i>	Federal: - State: ST CDFW: - BLM: BLMS	Riparian scrub, Riparian woodland	Low Potential: The Action Area supports limited habitat for this species.	Present: The species has been observed within the IID Water Service Area.	Low Potential: The Action Area supports limited habitat for this species.
Black skimmer	<i>Rynchops niger</i>	Federal: - State: - CDFW: SSC BLM: -	Aquatic habitat, predominantly Salton Sea	Not Expected: Suitable habitat for the species is not present.	Not Expected: Suitable habitat for the species is not present.	Present: The species has been observed along the Salton Sea.
Black tern	<i>Chlidonias niger</i>	Federal: - State: - CDFW: SSC BLM: -	Agricultural; Aquatic habitat, predominantly Salton Sea	Not Expected: Suitable habitat for the species is not present.	Present: The species has been observed within the IID Water Service Area.	Present: The species has been observed along the Salton Sea.
Brown-crested flycatcher	<i>Myiarchus tyrannulus</i>	Federal: - State: - CDFW: WL BLM: -	Aquatic; riparian groves of cottonwood, mesquite, and willow	Low Potential: The Action Area supports limited habitat for this species.	Moderate Potential: The Action Area supports marginal habitat for this species.	Low Potential: The Action Area supports limited habitat for this species.
Burrowing owl	<i>Athene cunicularia</i>	Federal: - State: - CDFW: SSC BLM: BLMS	Agricultural fields	Present: The species has been observed along the Colorado River.	Present: The species has been observed within the IID Water Service Area.	Present: The species has been observed along the Salton Sea.
California black rail	<i>Laterallus jamaicensis coturniculus</i>	Federal: - State: ST CDFW: FP BLM: BLMS	Wetlands	Present: Resident in Project area, documented at southern end of LCR, within the Imperial National Wildlife Refuge and further north towards the junction of Cibola Lake and the Colorado River.	Present: Resident in Project area, documented in the Imperial Wildlife Area and Imperial Irrigation District Managed Marsh Complex. Further inland they have been observed along the New River and adjacent to the southwestern border of the Chocolate Mountains.	Present: Resident in Project area, bordering the Salton Sea and within the IID Water Service Area California black rail have been documented in the Imperial Wildlife Area and Imperial Irrigation District Managed Marsh Complex.

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California Brown pelican	<i>Pelecanus occidentalis californicus</i>	Federal: - State: - CDFW: - BLM: BLMS	Aquatic habitat, predominantly Salton Sea	Not Expected: Suitable habitat for the species is not present.	Not Expected: Suitable habitat for the species is not present.	Present: The species has been observed along the Salton Sea.
Cooper's hawk	<i>Accipiter cooperi</i>	Federal: - State: - CDFW: WL BLM: -	Riparian	Present: The species has been observed along the Colorado River.	Present: The species has been observed within the IID Water Service Area.	Low Potential: The Action Area supports limited habitat for this species.
Crissal thrasher	<i>Toxostoma crissale</i>	Federal: - State: - CDFW: SSC BLM: BLMS	Desert	Present: The species has been observed along the Colorado River.	Present: The species has been observed within the IID Water Service Area.	Present: The species has been observed along the Salton Sea.
Elf owl	<i>Micrathene whitneyi</i>	Federal: - State: SE CDFW: - BLM: BLMS	Desert, Riparian	Present: The species has been observed along the Colorado River.	Present: The species has been observed within the IID Water Service Area.	Not Expected: Suitable habitat for the species is not present.
Ferruginous hawk	<i>Buteo regalis</i>	Federal: - State: - CDFW: WL BLM: -	Agricultural fields	Not Expected: Suitable habitat for the species is not present.	Present: The species has been observed within the IID Water Service Area.	Not Expected: Suitable habitat for the species is not present.
Gila woodpecker	<i>Melanerpes uropygialis</i>	Federal: - State: SE CDFW: - BLM: BLMS	Riparian	Present: The species has been observed along the Colorado River.	Present: The species has been observed within the IID Water Service Area.	Present: The species has been observed along the Salton Sea.
Gilded flicker	<i>Colaptes chrysoides</i>	Federal: - State: SE CDFW: - BLM: BLMS	Riparian	Present: The species has been observed along the Colorado River.	Not Expected: Suitable habitat for the species is not present.	Not Expected: Suitable habitat for the species is not present.
Least Bell's vireo	<i>Vireo bellii pusillus</i>	Federal: FE State: SE CDFW: - BLM: -	Riparian forest, Riparian scrub, Riparian woodland	Not Expected: Suitable habitat for the species is not present.	Present: The species has been documented within the IID Water Service Area within the Imperial Irrigation District Managed Marsh Complex and adjacent to the Salton Sea.	Not Expected: Suitable habitat for the species is not present.
Least bittern	<i>Ixobrychus exilis</i>	Federal: - State: - CDFW: SSC BLM: -	Wetland; extensive cattail and bulrush marshes	Present: The species has been observed along the Colorado River.	Not Expected: Suitable habitat for the species is not present.	Present: The species has been observed along the Salton Sea.
Le Conte's thrasher	<i>Toxostoma lecontei</i>	Federal: - State: - CDFW: SSC BLM: BLMS	Desert; open desert wash, desert scrub, alkali desert scrub, and desert succulent shrub	Present: The species has been observed along the Colorado River.	Present: The species has been observed within the IID Water Service Area.	Present: The species has been observed along the Salton Sea.
Long-eared owl	<i>Asio otus</i>	Federal: - State: - CDFW: SSC BLM: -	Riparian; tamarisk scrub habitat along the New and Alamo Rivers, Salton Sea, and agricultural drains	Not Expected: Suitable habitat for the species is not present.	Low Potential: The Action Area supports limited habitat for this species.	Low Potential: The Action Area supports limited habitat for this species.

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Merlin	<i>Falco columbarius</i>	Federal: - State: - CDFW: WL BLM: -	Extremely diverse habitats ranging from deserts to tropical forests and including prairies, open farmland, and urban areas	Low Potential: The Action Area supports limited habitat for this species.	Present: The species has been observed within the IID Water Service Area.	Present: The species has been observed along the Salton Sea.
Mountain plover	<i>Charadrius montanus</i>	Federal: - State: - CDFW: SSC BLM: BLMS	Agricultural fields; dry, open plains	Present: The species has been observed along the Colorado River.	Present: The species has been observed within the IID Water Service Area.	Present: The species has been observed along the Salton Sea.
Short-eared owl	<i>Asio flammeus</i>	Federal: - State: - CDFW: SSC BLM: -	Agricultural fields; prairies, marshes, grassy plains, and tundra	Low Potential: The Action Area supports limited habitat for this species.	Present: The species has been observed within the IID Water Service Area.	Present: The species has been observed along the Salton Sea.
Southwestern willow flycatcher	<i>Empidonax traillii extimus</i>	Federal: FE State: SE CDFW: - BLM: -	Riparian; cottonwood-willow riparian systems throughout southwestern riverine systems	Present: The species has been documented along the Lower Colorado River near the Palo Verde Diversion Dam, Imperial National Wildlife Refuge and south towards the Laguna Mountains.	Present: the species has been documented east of the Imperial Wildlife Area bordering the Chocolate Mountains, and adjacent to the Salton Sea within the Sonny Bono National Wildlife Refuge and Imperial Irrigation District Managed Marsh Complex.	Not Expected: Suitable habitat for the species is not present.
Summer tanager	<i>Piranga rubra</i>	Federal: - State: - CDFW: SSC BLM: -	Riparian; cottonwood-willow forests along rivers and streams but can also occur in tamarisk stands along the Colorado River	Present: The species has been observed along the Colorado River.	Moderate Potential: The Action Area supports marginal habitat for this species.	Low Potential: The Action Area supports limited habitat for this species.
Vermilion flycatcher	<i>Pyrocephalus rubinus</i>	Federal: - State: - CDFW: SSC BLM: -	Riparian	Present: The species has been observed along the Colorado River.	Present: The species has been observed within the IID Water Service Area	Low Potential: The Action Area supports limited habitat for this species.
Western snowy plover	<i>Charadrius nivosus nivosus</i>	Federal: FT State: - CDFW: SSC BLM: -	Aquatic habitat, predominantly Salton Sea	Not Expected: Suitable habitat for the species is not present.	Not Expected: Suitable habitat for the species is not present.	Present: The species has been observed along the Salton Sea.
Western yellow-billed cuckoo	<i>Coccyzus americanus</i>	Federal: FT State: SE CDFW: - BLM: BMS	Riparian; Mature stands of cottonwood-willow	Present: The species has been observed along the Colorado River.	Low Potential: The Action Area supports limited habitat for this species.	Low Potential: The Action Area supports limited habitat for this species.
White-faced ibis	<i>Plegadis chihi</i>	Federal: - State: - CDFW: WL BLM: -	Agricultural fields, Wetlands; typically nest in extensive marshes, constructing nests in tall marsh plants such as cattails and bulrushes over water	Low Potential: The Action Area supports limited habitat for this species.	Present: The species has been observed within the IID Water Service Area	Present: The species has been observed along the Salton Sea.

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Yellow warbler	<i>Setophaga petechia</i>	Federal: - State: - CDFW: SSC BLM: -	Riparian; riparian scrub and riparian forest habitats from lowland riparian areas up to the mixed north-slope forest zone	High Potential: The Action Area supports suitable habitat for this species.	Moderate Potential: The Action Area supports marginal habitat for this species.	Low Potential: The Action Area supports limited habitat for this species.
Yellow-breasted chat	<i>Icteria virens</i>	Federal: - State: - CDFW: SSC BLM: -	Riparian; cottonwood-willow riparian habitats, in which they primarily use the willow scrub component	Present: The species has been observed along the Colorado River.	Moderate Potential: The Action Area supports marginal habitat for this species.	Present: The species has been observed along the Salton Sea.
Yuma Ridgeway's Rail	<i>Rallus obsoletus yumanensis</i>	Federal: FE State: ST CDFW: FP BLM: -	Freshwater marsh, Marsh and swamp, Wetland	Present: The species has been documented along the Lower Colorado spanning from the Little Picacho Wilderness Area up through the watershed to the Riverside Mountains Wilderness Area.	Present: The species has been documented at the New and Alamo Rivers within the city of Holtville and along the All-American Canal. Further north towards the Salton Sea the species has been documented within the Sonny Bono National Wildlife Refuge, Imperial Irrigation District Managed Marsh Complex, and Imperial Wildlife Area.	Present: The species has been observed along the Salton Sea.
Mammals						
Big free-tailed bat	<i>Nyctinomops macrotis</i>	Federal: - State: - CDFW: SSC BLM: -	Rugged rocky terrain, although a wide range of habitats, including desert scrub, woodlands, and evergreen forests, are visited during foraging and migration	Low Potential: The Action Area supports limited habitat for this species.	Present: The species has been observed within the IID Water Service Area.	Low Potential: The Action Area supports limited habitat for this species.
California leaf-nosed bat	<i>Macrotus californicus</i>	Federal: - State: - CDFW: SSC BLM: BLMS	Desert scrub, alkali scrub, desert washes, riparian associations, and palm oases	Present: The species has been observed along the Colorado River.	Present: The species has been observed within the IID Water Service Area.	Low Potential: The Action Area supports limited habitat for this species.
Cave myotis	<i>Myotis velifer</i>	Federal: - State: - CDFW: SSC BLM: BLMS	Creosote bush scrub, paloverde, brittlebrush, cactus, and desert riparian	Present: The species has been observed along the Colorado River.	Low Potential: The Action Area supports limited habitat for this species.	Low Potential: The Action Area supports limited habitat for this species.

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Yuma hispid cotton rat	<i>Sigmodon hispidus eremicus</i>	Federal: - State: - CDFW: SSC BLM: -	Agricultural fields, Riparian; occupy moist, grassy habitats where they cut runways through the grass	Present: The species has been observed along the Colorado River.	Present: The species has been observed within the IID Water Service Area.	Present: The species has been observed along the Salton Sea.
FE: Federally endangered FC: Federal Candidate FT: Federally threatened FPT: Federal Proposed threatened FPE: Federal Proposed endangered SE: State endangered ST: State threatened concern				SR: State rare SC: Species of concern SSC: CDFW Species of Special Concern S: CDFW sensitive FP: CDFW fully protected WL: CDFW watch list BLMS: Bureau of Land Management, Sensitive Species		