

APPENDIX B

**SPECIAL-STATUS PLANT AND WILDLIFE SPECIES
EVALUATED FOR POTENTIAL TO OCCUR IN
NEIGHBORHOODS I AND J**

**Table B-1
SPECIAL-STATUS PLANT AND WILDLIFE SPECIES EVALUATED FOR POTENTIAL TO OCCUR IN NEIGHBORHOODS I AND J**

Common Name	Scientific Name	Federal Status ^a	State Status ^b	CNPS List ^c	Habitat	Potential for Occurrence in Project Area
PLANTS						
Big tarplant	<i>Blepharizonia plumosa ssp. plumosa</i>	None	None	1B	Valley and foothill grassland.	Very low to none. Due to intensive farming practices, the project area provides no suitable habitat for this species. Not observed during field surveys of SP II area. Nearest occurrence of big tarplant is located approximately 3 miles south of the project area (CNDDDB, 2006).
Caper-fruited tropidocarpum	<i>Tropidocarpum capparideum</i>	SC	None	1A	Valley and foothill grassland, alkaline soils.	Very low to none. Due to intensive farming practices, the project area provides no suitable habitat for this species. Not observed during field surveys of SP II area. Nearest occurrence of caper-fruited tropidocarpum is located approximately 1 mile west of project area (CNDDDB, 2006).
Round-leaved filaree	<i>Erodium macrophyllum</i>	None	None	2	Cismontane woodland and valley and foothill grassland.	Very low to none. Due to intensive farming practices, the project area provides no suitable habitat for this species. Not observed during field surveys of SP II area. Nearest occurrence of round-leaved filaree is located approximately 1 mile west of project area (CNDDDB, 2006).
Lemmon's jewelflower	<i>Caulanthus coulteri var. lemmonii</i>	None	None	1B	Valley and foothill grassland and pinyon-juniper woodland.	Very low to none. Due to intensive farming practices, the project area provides no suitable habitat for this species. Not observed during field surveys of SP II area. Nearest occurrence of Lemmon's jewelflower is located more than 7 miles south of the project area (CNDDDB, 2006).
San Joaquin saltbush	<i>Atriplex joaquiniana</i>	SC	None	1B	Chenopod scrub, alkali meadow, valley and foothill grassland.	Very low to none. Due to intensive farming practices, the project area provides no suitable habitat for this species. Not observed during field surveys of SP II area. Nearest occurrence of San Joaquin saltbush is located approximately 4 miles west of the project area (CNDDDB, 2006).
Diamond-petaled California poppy	<i>Eschscholzia rhombipetala</i>	None	None	1B	Valley and foothill grasslands, alkaline, clay slopes and flats.	Very low to none. Due to intensive farming practices, the project area provides no suitable habitat for this species. Not observed during field surveys of SP II area. Nearest occurrence of diamond-petaled poppy is located approximately 3 miles south of project area (CNDDDB, 2006).
Alkali milk-vetch	<i>Astragalus tener var. tener</i>	SC	None	1B	Alkali vernal pools.	Very low to none. No alkali vernal pools in the project area. Nearest occurrence of this species is located approximately 4 miles west of project area (CNDDDB, 2006).

Table B-1 *continued*

Common Name	Scientific Name	Federal Status ^a	State Status ^b	CNPS List ^c	Habitat	Potential for Occurrence in Project Area
Showy madia	<i>Madia radiata</i>	None	None	1B	Valley and foothill grassland, cismontane woodland, chenopod scrub.	Very low to none. Suitable habitat limited for this species. Not observed during field surveys of SP II area. Nearest occurrence of showy madia is located approximately 9 miles south of the project area (CNDDDB, 2006).
Rayless ragwort	<i>Senecio aphanactis</i>	None	None	2	Cismontane woodland, coastal scrub.	Very low to none. No woodland or coastal scrub present in project area. Not observed during field surveys of SP II area. Nearest occurrence of rayless ragwort is located approximately 4 miles northwest of project area (CNDDDB, 2006).
Large-flowered fiddleneck	<i>Amsinckia grandiflora</i>	E	E	1B	Cismontane woodland, valley and foothill grassland.	Very low to none. Due to intensive farming practices, the project area provides no suitable habitat for this species. Not observed during field surveys of SP II area. Nearest occurrence of large-flowered fiddleneck is located approximately 7.5 miles south of the project area (CNDDDB, 2006).
Recurved larkspur	<i>Delphinium recurvatum</i>	SC	None	1B	Chenopod scrub, valley and foothill grassland on alkaline soil.	Very low to none. No suitable habitat present. Not observed during field surveys of SP II area. Nearest occurrence of recurved larkspur is located approximately 2.5 miles west of the project area (CNDDDB, 2004).
Rose-mallow	<i>Hibiscus lasiocarpus</i>	None	None	2	Freshwater marshes and swamps in the Delta watershed.	Low. Directed surveys conducted in 2003 did not find this species in the project area. Nearest occurrence of this species is located approximately 0.5 mile north of the project area at the junction of Old River and Grant Line Canal (CNDDDB, 2006).
Mason's lilaeopsis	<i>Lilaeopsis masonii</i>	SC	None	1B	Freshwater and brackish marshes and swamps.	Moderate to high. Suitable habitat along Old River and several occurrences of this species documented along Old River (CNDDDB, 2006). Not observed along Old River in the project area.
Mt. Diablo buckwheat	<i>Eriogonum truncatum</i>	None	None	1A	Chaparral, coastal scrub, valley and foothill grassland.	Very low to none. Only marginal habitat present. Not observed during field surveys for SP II area. Nearest occurrence of this species is located approximately 8 miles south of the project area (CNDDDB, 2006).
Delta mudwort	<i>Limosella subulata</i>	None	None	2	Freshwater and brackish marshes and swamps.	Low. Suitable habitat along Old River but not observed during surveys for Specific Plan II area. Nearest occurrence of this species is located approximately 3 miles north of the project area (CNDDDB, 2006).
MAMMALS						
San Joaquin kit fox	<i>Vulpes macrotis mutica</i>	E	T	N/A	Inhabits open, dry annual or perennial grasslands and scrublands with loose textured soils for denning.	Low. Could cross through project area but no dens observed. Signs of kit fox observed approximately 1 mile west of the project area (CNDDDB, 2006).

Table B-1 *continued*

Common Name	Scientific Name	Federal Status ^a	State Status ^b	CNPS List ^c	Habitat	Potential for Occurrence in Project Area
Riparian woodrat	<i>Neotoma fuscipes riparia</i>	E	CSC	N/A	Riparian areas along the San Joaquin, Stanislaus and Tuolumne Rivers.	Very low to none. Riparian habitats in the project area are not suitable for this species. Further, this species is known from the Tuolumne and Stanislaus River riparian areas. Nearest occurrence is located approximately 9 miles southeast of the project area (CNDDDB, 2006).
San Joaquin pocket mouse	<i>Perognathus inornatus inornatus</i>	None	None	N/A	Grasslands and blue oak savannas.	Very low. Habitats in the project area marginally suitable for this species, as the fields are cultivated and flood irrigated throughout the year. Nearest occurrence of this species is located approximately 2 miles south of the Specific Plan II area (CNDDDB, 2006).
Western mastiff bat	<i>Eumops perotis californicus</i>	None	CSC	N/A	Roosts in crevices in cliff faces, high buildings, trees and caves.	Very low. This species could use trees in the project area for roosting but not for natal roosts. The nearest occurrence of this species is located approximately 9 miles south of the project area (CNDDDB, 2006).
BIRDS						
Swainson's hawk	<i>Buteo swainsoni</i>	None	T	N/A	Breeds in stands of tall trees in open areas. Requires adjacent suitable foraging habitats such as grasslands or alfalfa fields supporting rodent populations.	High. There are several suitable nest trees within the project area and a nesting Swainson's hawk was recorded along Kelso Road in the project area in 2002 (CNDDDB 2006).
Burrowing owl	<i>Athene cunicularia</i>	SC	CSC	N/A	Found in open, dry annual or perennial grasslands, deserts and scrublands characterized by low-growing vegetation, subterranean nester, dependent upon burrowing mammals.	High. Burrowing owls have been observed in the grasslands nearby the project area and a juvenile was observed just west of Kelso Road in Neighborhood I in 1989 (CNDDDB 2006).
Tricolored blackbird	<i>Agelaius tricolor</i>	SC	None	N/A	Requires open water and protected nesting substrate, usually cattails, and surrounding foraging habitat of annual grassland.	Low. There is marginally suitable breeding habitat in the form of a narrow strip of rose and blackberries along the southern bank of Old River. This species was not observed during 2004 surveys although it may occasionally fly over or forage in the area.
White-tailed kite	<i>Elanus leucurus</i>	SC	CSC	N/A	Nests in dense-topped trees associated with bottomlands or areas with scattered oaks.	Moderate to high. There is suitable nesting habitat within the project area.
California horned lark	<i>Eremophila alpestris actica</i>	None	CSC	N/A	Nests in grasslands and other similar habitats with short vegetation.	Moderate to low. Marginal nesting habitat available in cultivated lands for horned lark.
REPTILES AND AMPHIBIANS						

Table B-1 *continued*

Common Name	Scientific Name	Federal Status ^a	State Status ^b	CNPS List ^c	Habitat	Potential for Occurrence in Project Area
California red-legged frog	<i>Rana aurora draytonii</i>	T	CSC	N/A	Lowlands and foothills in or near permanent sources of deep water with dense, shrubby or emergent riparian vegetation. Requires 11-20 weeks of permanent water for larval development.	Very low to none. There is no suitable habitat for this species within the project area. Red-legged frogs are known to be extinct on the floor of the Central Valley. The nearest occurrence is documented in the CNDDB (2006) in the foothills, approximately 1 mile west of the project area.
California tiger salamander	<i>Ambystoma californiense</i>	T	CSC	N/A	Seasonal water bodies without fish (i.e., vernal pools and stock ponds) with surrounding grassland/ woodland habitats containing summer refugia (i.e., burrows).	Very low to none. There is no suitable breeding habitat for CTS in the project area. The nearest occurrence is documented in the CNDDB (2006) approximately 1 mile west of the project area. There are at least two significant physical barriers between this occurrence and the project area (i.e. the California Aqueduct and the Delta Mendota Canal).
Western pond turtle	<i>Clemmys marmorata</i>	None	CSC	N/A	Thoroughly aquatic, marshes, rivers, streams, and irrigation ditches with aquatic vegetation. Requires basking sites and suitable upland habitat for egg-laying.	High. Old River is suitable habitat for western pond turtle. Further, the nearest occurrence is documented in the CNDDB (2006) just west of the project area in Old River.
Coast horned lizard	<i>Phrynosoma coronatum</i>	SC	CSC	N/A	Lowlands associated with washes and low-lying bushes.	Low. Habitat very marginal, as a majority of the project area is cultivated.
Silvery legless lizard	<i>Anniella pulchra pulchra</i>	None	CSC	N/A	Moist sandy or loose soils beneath sparse vegetation.	Low. Habitat very marginal due to cultivation and clay soils.
Western spadefoot	<i>Spea hammondi</i>	SC	CSC	N/A	Vernal pools and other seasonal water bodies are essential habitats for breeding.	Very low to none. No vernal pools present in project area. Dry Creek not suitable habitat.
San Joaquin whipsnake	<i>Masticophis lateralis ruddocki</i>	SC	CSC	N/A	Open habitats such as grasslands and saltbush scrub. Small mammal burrows are required for oviposition sites.	Very low. No suitable habitat present due to intense cultivation of fields in project area.
FISH						
Fall-run Chinook salmon	<i>Oncorhynchus tshawytscha</i>	C	C	N/A	Central Valley river systems where access to the ocean is possible; water temperatures must be less than 27C°.	Low. Fall-run Chinook salmon present in the San Joaquin River system each year, generally starting in October. No spawning habitat within the project area, but fish may pass through Old River on the way to and from spawning areas farther upstream.
Central Valley steelhead	<i>Oncorhynchus mykiss</i>	T	None	N/A	Central Valley river systems where access to the ocean is possible; water temperatures must be less than 27C°.	Low. Central Valley steelhead present in the San Joaquin River system starting in November. No spawning habitat within project area, but fish may pass through Old River on the way to and from spawning areas farther upstream.

Table B-1 *continued*

Common Name	Scientific Name	Federal Status ^a	State Status ^b	CNPS List ^c	Habitat	Potential for Occurrence in Project Area
INVERTEBRATES						
Vernal pool fairy shrimp	<i>Branchinecta lynchi</i>	T	None	N/A	Vernal pools	None. There are no vernal pools or seasonal ponds in the project area.
Curved-foot hygrotus diving beetle	<i>Hygrotus curvipes</i>	SC	None	N/A	Seasonally aquatic alkaline habitats such as roadside ditches and vernal pools.	None. No suitable habitat for this species in project area.
Valley elderberry longhorn beetle	<i>Desmocerus californicus dimorphus</i>	T	None	N/A	Elderberry shrubs in the Central Valley and Sierra Nevada foothills up to 3,000 feet elevation.	None. No elderberry shrubs present in the project area.

^a T = Threatened; E = Endangered; C = Candidate Species; SC = Species of Concern.

^b T = Threatened; E = Endangered; CSC = State of California Special Concern Species.

^c CNPS List 1A includes species presumed extinct in California, List 1B includes species that are rare, threatened, or endangered in California and elsewhere; List 2 includes species that are rare, threatened, or endangered in California but more common elsewhere.

