

Appendix H: Biological Resources

Appendix H: Biological Resources Special-Status Species Table H-1

SPECIAL STATUS SPECIES LIST

TABLE H-1: FOCUSED LIST OF SPECIAL-STATUS SPECIES WITH POTENTIAL TO OCCUR IN OR NEAR PROPOSED PLAN BAY AREA PROJECTS

<i>Common Name</i>	<i>Listing Status</i> <i>USFWS/CDFG</i>	<i>General Habitat</i>
<i>Scientific Name</i>	<i>/CNPS</i>	
SPECIES LISTED AS THREATENED OR ENDANGERED		
Invertebrates		
Conservancy fairy shrimp <i>Branchinecta conservatio</i>	FE/-- Critical Habitat	Endemic to grasslands of the northern two-thirds of the Central Valley; found in large turbid seasonal pools.
Longhorn fairy shrimp <i>Branchinecta longiantenna</i>	FE/-- Critical Habitat	Endemic to the eastern margin of the central coast mountains in seasonal grassland vernal pools; typically found in sandstone depressions or clear-to-turbid clay or grass bottomed pools.
Vernal pool fairy shrimp <i>Branchinecta lynchi</i>	FT/-- Critical Habitat	Grassland vernal pools.
Vernal pool tadpole shrimp <i>Lepidurus packardi</i>	FE/--	Vernal pools and swales in the Sacramento Valley with clear to highly turbid water; pools commonly found in grass-bottomed swales of unplowed grasslands, also can be mud-bottomed and highly turbid.
San Bruno elfin butterfly <i>Callophrys mossii bayensis</i>	FE/--	Coastal scrub.
Valley elderberry longhorn beetle <i>Desmocerus californicus dimorphus</i>	FT/--	Dependent on elderberry bushes, which may occur individually or associated with riparian habitats.
Bay checkerspot butterfly <i>Euphydryas editha bayensis</i>	FT/-- Critical Habitat	Serpentine bunchgrass grassland.
Mission blue butterfly <i>Plebejus icarioides missionensis</i>	FE/--	Grasslands with <i>Lupinus albifrons</i> , <i>L. formosa</i> , and <i>L. varicolor</i> .

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SPECIES LISTED AS THREATENED OR ENDANGERED		
Callippe silverspot butterfly <i>Speyeria callippe callippe</i>	FE/--	Grasslands with <i>Viola pedunculata</i> as larval food plant.
Myrtle silverspot butterfly <i>Speyeria zerene myrtleae</i>	FE/--	Grasslands with <i>Viola pedunculata</i> as larval food plant.
California freshwater shrimp <i>Syncaris pacifica</i>	FE/CE	Large, slow-moving freshwater streams in Sonoma and Napa Counties.
Fish		
Tidewater goby <i>Eucyclogobius newberryi</i>	FE/CSC Critical Habitat	Shallow waters of bays and estuaries, critical habitat in Marin County.
Fish (cont.)		
Delta smelt <i>Hypomesus transpacificus</i>	FT/CT Critical Habitat	Brackish-water channels and sloughs of the Sacramento – San Joaquin Delta.
Coho salmon – central California ESU <i>Oncorhynchus kisutch</i>	FE/CE	Unblocked Bay Area and coastal rivers and streams; particularly cooler water streams in Marin, Sonoma, and Napa Counties, and the Sacramento – San Joaquin Delta.
Central California coast steelhead <i>Oncorhynchus mykiss irideus</i>	FT/-- Critical Habitat	Drainages of central California coastal rivers.
South Central California coast steelhead <i>Oncorhynchus mykiss irideus</i>	FT/--	Drainages of California coastal rivers between the San Francisco Bay Area and Los Angeles.
Central coast Chinook salmon <i>Oncorhynchus tshawytscha</i>	FT/CSC Critical Habitat	Drainages of central California coastal rivers.
Amphibians		
California tiger salamander <i>Ambystoma californiense</i>	FT/CT Critical Habitat	Wintering sites occur in grasslands occupied by burrowing mammals; breed in ponds, vernal pools, and slow-moving or receding streams.
California red-legged frog <i>Rana draytonii</i>	FT/CSC Critical Habitat	Breed in stock ponds, pools, and slow-moving streams with emergent vegetation; adjacent upland habitats are often used outside the breeding season.
Reptiles		

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SPECIES LISTED AS THREATENED OR ENDANGERED		
Alameda whipsnake <i>Masticophis lateralis euryxanthus</i>	FT/CT Critical Habitat	Coastal scrub of the East Bay Hills broken by scattered grassy patches, on rocky hillsides, gullies, or canyons with stream courses.
Giant garter snake <i>Thamnophis gigas</i>	FT/CT	Typically found in Central Valley wetlands, this species requires permanent or semi permanent water and dense vegetation of freshwater marshes and permanent streams. May also use drainage canals and irrigation ditches that hold water through most of the year.
San Francisco garter snake <i>Thamnophis sirtalis tetrataenia</i>	FE/CE	Freshwater ponds and slow streams with emergent vegetation; nearby upland grasslands with small rodent burrows may also provide habitat for this species. Little is known about the seasonal movements of this species or its capacity for using upland areas.
Birds		
Marbled murrelet <i>Brachyramphus marmoratus</i>	FT/CE Critical Habitat	Nests in dense, old-growth forests along coast, critical habitat in Marin and Sonoma Counties.
Swainson's hawk <i>Buteo swainsoni</i>	--/CT	Nests in oaks or cottonwoods in or near riparian habitat. Forages in grasslands and agricultural fields.
Western snowy plover <i>Charadrius alexandrinus nivosus</i>	FT/CSC Critical Habitat	Nests and forages on sandy beaches on marine and estuarine shores; requires sandy, gravelly, or friable soils for nesting; may nest on salt pond levees or other suitable barren habitat.
American peregrine falcon <i>Falco peregrinus anatum</i>	--/CE	Forages in marshes and grasslands. Nesting habitat includes high, protected cliffs and ledges near water.
California black rail <i>Laterallus jamaicensis coturniculus</i>	--/CT, CDFG FP	Nests and forages in tidal emergent wetland with pickleweed.
California clapper rail <i>Rallus longirostris obsoletus</i>	FE/CE, CDFG FP	Nests and forages in emergent wetlands with pickleweed, cordgrass, and bulrush.
California least tern <i>Sterna antillarum browni</i>	FE/CE	Nests along the coast from San Francisco Bay south to northern Baja California; colonial breeder on bare or sparsely vegetated flat substrates including sand beaches, alkali flats, landfills, or paved areas.
Northern spotted owl <i>Strix occidentalis caurina</i>	FT/-- Critical Habitat	Nest in large trees in old-growth or mature forests.
Mammals		

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SPECIES LISTED AS THREATENED OR ENDANGERED		
Salt marsh harvest mouse <i>Reithrodontomys raviventris</i>	FE/CE/CDFG fully protected	Saline emergent marshlands with dense pickleweed.
San Joaquin kit fox <i>Vulpes macrotis mutica</i>	FE/CT	Patchily distributed in the Diablo Range and south to Bakersfield in undeveloped grasslands and agricultural land.
Plants		
Sonoma alopecurus <i>Alopecurus aequalis</i> var. <i>franciscanum</i>	FE/--/1B.1	Freshwater marshes and swamps, riparian scrub, wetland.
Large-flowered fiddleneck <i>Amsinckia grandiflora</i>	FE/CE/1B.1	Valley grassland and foothill woodland, this species has been reported from Contra Costa County, Alameda, and Santa Clara Counties.
San Bruno Mtn. manzanita <i>Arctostaphylos imbricata</i>	--/CE/1B.1	Chaparral, coastal scrub.
Plants (cont.)		
Pacific manzanita <i>Arctostaphylos pacifica</i>	--/CE/1B.2	Chaparral, coastal scrub.
Pallid manzanita <i>Arctostaphylos pallida</i>	FT/CE/1B.1	Chaparral habitats in Alameda and Contra Costa Counties.
Sonoma sunshine <i>Blennosperma bakeri</i>	FE/SE/1B.1	Valley and foothill grassland, vernal pool, wetland.
Round-leaved filaree <i>California macrophylla</i>	--/--/1B.1	Cismontane woodland, valley and foothill grassland.
Tiburon Indian paintbrush <i>Castilleja affinis</i> ssp. <i>neglecta</i>	FE/CT/1B.2	Dry slopes in the Coast Ranges from San Mateo to Sonoma Counties.
Coyote ceanothus <i>Ceanothus ferrisae</i>	FE/--/1B.1	Dry serpentine slopes in foothill woodlands and chaparral habitats in the Santa Cruz Mountains.
Soft bird's beak <i>Chloropyron molle</i> ssp. <i>molle</i>	FE/CR/1B.2 Critical Habitat	Heavy clay soils of either coastal salt or brackish marshes of northern San Francisco Bay.
Robust spineflower <i>Chorizanthe robusta</i> var. <i>robusta</i>	FE/--/1B.1	Coastal scrub, coastal sand dunes, openings in oak woodlands with sandy or gravelly soil.
Crystal Springs fountain thistle <i>Cirsium fontinale</i> var. <i>fontinale</i>	FE/CE/1B.1	Grassland and openings in chaparral, in serpentinite seeps.
Suisun thistle <i>Cirsium hydrophilum</i> var. <i>hydrophilum</i>	FE/CE/1B.1	Brackish marshes around Suisun Bay.

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SPECIES LISTED AS THREATENED OR ENDANGERED		
Presidio clarkia <i>Clarkia franciscana</i>	FE/CE/1B.1	Coastal scrub, grassland (ultramafic).
Mt. Diablo bird's beak <i>Cordylanthus nidularius</i>	--/CR/1B.1	Serpentine slopes in chaparral habitats in Contra Costa County near Mt. Diablo.
Baker's larkspur <i>Delphinium bakeri</i>	FE/SE/1B.1 Critical Habitat	Coastal scrub, valley and foothill grassland.
Yellow larkspur <i>Delphinium luteum</i>	FE/CR/1B.1 Critical Habitat	Sea bluffs and northern coastal scrub.
Santa Clara Valley dudleya <i>Dudleya abramsii</i> ssp. <i>setchellii</i>	FE/--/1B.1	Ultramafic grasslands.
San Mateo woolly sunflower <i>Eriophyllum latilobum</i>	FE/CE/1B.1	Grassland, woodland slopes.
Plants (cont.)		
Contra Costa wallflower <i>Erysimum capitatum</i> ssp. <i>angustatum</i>	FE/CE/1B.1	Antioch Dunes along the San Joaquin River; Contra Costa County.
Marin western flax <i>Hesperolinon congestum</i>	FT/CT/1B.1	Grassland and openings in chaparral, often on serpentinite.
Contra Costa goldfields <i>Lasthenia conjugens</i>	FE/--/1B.1 Critical Habitat	Moist grasslands, vernal pools.
San Francisco lessingia <i>Lessingia germanorum</i>	FE/SE/1B.1	Coastal scrub.
Sebastapol meadowfoam <i>Limnanthes vincularis</i>	FE/SE/1B.1	Meadow and seep, valley and foothill grassland, vernal pool, wetland.
Few-flowered navarretia <i>Navarretia leucocephala</i> ssp. <i>pauciflora</i>	FE/ST/1B.1	Vernal pool, wetland.
Many-flowered navarretia <i>Navarretia leucocephala</i> ssp. <i>plieantha</i>	FE/SE/1B.2	Vernal pool, wetland.
White-rayed pentachaeta <i>Pentachaeta bellidiflora</i>	FE/CE/1B.1	Coastal scrub, grassland.
San Francisco popcorn flower <i>Plagiobothrys diffusus</i>	--/CE/1B.1	Grasslands with marine influence.
Metcalf Canyon jewel flower <i>Streptanthus albidus</i> ssp. <i>albidus</i>	FE/--/1B.1	Serpentine outcrops in chaparral habitats.

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SPECIES LISTED AS THREATENED OR ENDANGERED		
Tiburon jewel-flower <i>Streptanthus niger</i>	FE/CE/1B.1	Serpentine slopes among coastal prairie habitat; Marin County.
Showy rancheria clover <i>Trifolium amoenum</i>	FE/--/1B.1	Coastal bluff scrub, ultramafic valley and foothill grassland.
Solano grass <i>Tuctoria mucronata</i>	FE/CE/1B.1	Vernal pools in valley grassland habitats; Solano County.
OTHER SPECIES OF SPECIAL CONCERN		
Invertebrates		
Monarch butterfly <i>Danaus plexippus</i>	--/*	Eucalyptus groves (winter sites).

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OTHER SPECIES OF SPECIAL CONCERN		
Fish		
Sacramento perch <i>Archoplites interruptus</i>	--/CSC	Slow-moving sloughs, streams, rivers, and lakes.
Russian river tule perch <i>Hysteroecarpus traski pomu</i>	--/CSC	Endemic to streams of the Russian River watershed; prefer aquatic habitat with wood debris associated with riparian woodland.
Sacramento splittail <i>Pogonichthys macrolepidotus</i>	--/CSC	Large sloughs and dead-end sloughs of the Sacramento – San Joaquin Delta that are fed by freshwater streams. Juveniles and adults utilize shallow edgewater areas lined by emergent aquatic vegetation.
Amphibians		
Foothill yellow-legged frog <i>Rana boylei</i>	--/CSC	Streams with quiet pools absent of predatory fish.
Western spadefoot <i>Spea hammondi</i>	--/CSC	Floodplains and grassland pools.
Reptiles		
Silvery legless lizard <i>Anniella pulchra pulchra</i>	--/CSC	In areas with sandy or loose loamy soils, including beaches, chaparral, pine-oak woodland, or riparian stream terraces.
Western pond turtle <i>Emys marmorata</i>	--/CSC	Freshwater ponds and slow streams edged with sandy soils for laying eggs.
San Joaquin whipsnake <i>Masticophis flagellum ruddocki</i>	--/CSC	Prairie, scrublands, woodlands, farmlands, or grasslands with varying amounts of cover.
Reptiles		
California horned lizard <i>Phrynosoma blainvillii</i>	--/CSC	Patchy open areas with sandy soils and available ant food sources.
Birds		
Cooper's hawk <i>Accipiter cooperii</i>	CDFG 3503.5	Nests in riparian growths of deciduous trees and live oak woodlands.
Sharp-shinned hawk <i>Accipiter striatus</i>	CDFG 3503.5	Nests in riparian growths of deciduous trees and live oaks.
Tricolored blackbird <i>Agelaius tricolor</i>	--/CSC	Nests in freshwater marshes with dense stands of cattails or bulrushes, occasionally in willows, thistles, mustard, blackberry brambles, and dense shrubs and grains.

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	<i>/CNPS</i>	
OTHER SPECIES OF SPECIAL CONCERN		
Birds (cont.)		
Short-eared owl <i>Asio flammeus</i>	--/3503.5	Nests in dry ground within salt and freshwater marshes; requires dense tule patches or tall grass.
Long-eared owl <i>Asio otis</i>	--/3503.5	Nests in riparian or oak woodlands near stream courses.
Golden eagle <i>Aquila chrysaetos</i>	--/CSC, CDFG FP	Nests in mountainous or hilly terrain and hunts over open grasslands habitats; common in Diablo Range.
Grasshopper sparrow <i>Ammodramus savannarum</i>	--/CSC	Nests and forages in dense, dry grasslands.
Great egret <i>Ardea alba</i>	--/*	Rookeries protected. Nest colonially in groves of trees. Rookery sites located near marshes, tide-flats, irrigated pastures, and margins of rivers and lakes.
Great blue heron <i>Ardea herodias</i>	--/*	Rookeries protected. Nests in trees along lakes and estuaries.
Burrowing owl <i>Athene cucularia</i>	--/CSC	Nests and forages in low-growing grasslands that support burrowing mammals.
Great horned owl <i>Bubo virginianus</i>	--/3053.5	Present in a wide variety of habitats, including woodland, grassland, and some urban areas.
Red-tailed hawk <i>Buteo jamaicensis</i>	--/3503.5	Nests in large trees and man-made towers; present in almost any habitat in California.
Red-shouldered hawk <i>Buteo lineatus</i>	--/3503.5	Nests in eucalyptus trees and riparian woodland habitats.
Northern harrier <i>Circus cyaneus</i>	--/CSC	Nests in coastal freshwater and saltwater marshes, nest and forages in grasslands.
Yellow warbler <i>Dendroica petechia brewsteri</i>	--/CSC	Nests near wet habitats, particularly in willow and alder groves.
Northern harrier <i>Circus cyaneus</i>	--/3503.5	Nests in salt or freshwater wetlands, forages over wetlands, annual grasslands.
White-tailed kite <i>Elanus leucurus</i>	--/CDFG FP	Nests in large trees near annual grassland or wetlands; forages in a variety of habitats, including fresh and saltwater marshes, annual grasslands, orchards, and agricultural fields.
Saltmarsh common yellowthroat <i>Geothlypis trichas sinuosa</i>	--/CSC	Breeds in moist salt marsh habitats with dense, low cover.
Yellow-breasted chat <i>Icteria virens</i>	--/CSC	Breeds in woodland edges and neglected pastures in thick willow habitats or shrubby wet meadows.

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OTHER SPECIES OF SPECIAL CONCERN		
Birds (cont.)		
Loggerhead shrike <i>Lanius ludovicianus</i>	--/CSC	Scrub, open woodlands, and grasslands.
Suisun song sparrow <i>Melospiza melodia maxillaris</i>	--/CSC	Year-round inhabitant of saline emergent wetlands in Suisun Bay, northern San Francisco Bay, and San Pablo Bay.
Alameda song sparrow <i>Melospiza melodia pusillula</i>	--/CSC	Year-round inhabitant of saline emergent wetlands in the south San Francisco Bay.
San Pablo song sparrow <i>Melospiza melodia samuelis</i>	--/CSC	Year-round inhabitant of saline emergent wetlands of San Pablo Bay.
Black-crowned night heron <i>Nycticorax nycticorax</i>	--/*	Various wetland habitats, including salt, brackish, and freshwater marshes, swamps, streams, lakes, and agricultural fields. Nest in large trees, often with other herons or egrets.
Osprey <i>Pandion haliaetus</i>	--/3503.5	Nests near freshwater lakes and large streams on large snags.
Double-crested cormorant <i>Phalacrocorax auritus</i>	--/*	Nests along coast on isolated islands or in trees along lake margins.
Purple martin <i>Progne subis</i>	--/CSC	Natural nesting sites include old woodpecker holes, snags, and sometimes under bark.
Barn owl <i>Tyto alba</i>	--/3503.5	Forages over open grassland farmlands, or interspersed woodland; nests in tree cavities, nest boxes, or buildings.
Yellow-headed blackbird <i>Xanthocephalus xanthocephalus</i>	--/CSC	Marsh and swamp, wetland.
Mammals		
Pallid bat <i>Antrozous pallidus</i>	--/CSC	Roosts in large-diameter trees.
Townsend's big-eared bat <i>Corynorhinus townsendii townsendii</i>	--/CSC	Inhabits oak and conifer woodlands, broad-leaved forests, arid grasslands, deserts, and high mountain meadows.
Greater western mastiff bat <i>Eumops perotis californicus</i>	--/CSC	Breeds in rugged, rocky canyons and forages in a variety of habitats.
Western red bat <i>Lasiurus blossevillii</i>	--/CSC	Roosts in tree or shrub foliage in riparian habitat, adjacent to open fields, or in orchards.
San Pablo vole <i>Microtus californicus sanpabloensis</i>	--/CSC	Brackish-water emergent wetlands; largely confined to a few locations in San Pablo.

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OTHER SPECIES OF SPECIAL CONCERN		
Mammals (cont.)		
Big free-tailed bat <i>Nyctinomops macrotis</i>	--/CSC	Roosts in crevices.
San Francisco dusky-footed woodrat <i>Neotoma fuscipes annectens</i>	--/CSC	Forests with moderate canopy cover and brushy understory.
Suisun shrew <i>Sorex ornatus sinuosus</i>	--/CSC	Restricted to natural tidal salt and brackish marshes.
Salt marsh wandering shrew <i>Sorex vagrans halicoetes</i>	--/CSC	Inhabits tidal salt marshes dense with pickleweed in the south San Francisco Bay.
American badger <i>Taxidea taxus</i>	--/CSC	A variety of open habitats with friable soils.
Plants		
Montara manzanita <i>Arctostaphylos montaraensis</i>	--/--/1B.2	Maritime chaparral, coastal scrub.
Marin manzanita <i>Arctostaphylos virgata</i>	--/--/1B.2	Brushy slopes at the edge of closed-cone pine forests in Marin County.
Alkali milk-vetch <i>Astragalus tener</i> var. <i>tener</i>	--/--/1B.2	Alkali playa, valley and foothill grassland, vernal pool, wetland.
Heartscale <i>Atriplex cordulata</i> var. <i>cordulata</i>	--/--/1B.2	Chenopod scrub, meadow and seep, valley and foothill grassland.
Brittlescale <i>Atriplex depressa</i>	--/--/1B.2	Alkali playa, chenopod scrub, meadow and seep, valley and foothill grassland, vernal pool, wetland.
San Joaquin spearscale <i>Atriplex joaquiniana</i>	--/--/1B.2	Chenopod scrub, meadow and seep, valley and foothill grassland.
Lesser saltscale <i>Atriplex minuscula</i>	--/--/1B.1	Alkali playa, chenopod scrub, valley and foothill grassland.
Vernal pool smallscale <i>Atriplex persistens</i>	--/--/1B.2	Vernal pool, wetland.
Big-scale balsamroot <i>Balsamorhiza macrolepis</i>	--/--/1B.2	Cismontane woodland, ultramafic valley and foothill grassland.
Big tarplant <i>Blepharizonia plumosa</i>	--/--/1B.1	Valley and foothill grassland.
Mt. Diablo fairy lantern <i>Calochortus pulchellus</i>	--/--/1B.2	Chaparral, cismontane woodland, riparian woodland, valley and foothill grassland.
Bristly sedge <i>Carex comosa</i>	--/--/2.1	Freshwater marsh and swamp, wetland.

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OTHER SPECIES OF SPECIAL CONCERN		
Plants (cont.)		
Congdon's tarplant <i>Centromadia parryi</i> ssp. <i>congdonii</i>	--/--/1B.2	Valley grassland.
Point Reyes bird's beak <i>Chloropyron maritimum</i> ssp. <i>palustre</i>	--/--/1B.2	Once common to north-central coastal salt marshes, this species is now restricted to only a few locations from Point Reyes to west Berkeley and south.
San Francisco Bay spineflower <i>Chorizanthe cuspidata</i> var. <i>cuspidata</i>	--/--/1B.2	Coastal bluff scrub, coastal dunes, coastal prairie, on sandy soils.
Woolly-headed spineflower <i>Chorizanthe cuspidata</i> var. <i>villosa</i>	--/--/1B.2	Sandy soil, dunes, and northern coastal strand from Santa Cruz to Sonoma Counties.
Santa Clara red ribbons <i>Clarkia concinna</i> ssp. <i>automixa</i>	--/--/4.3	Chaparral, cismontane woodland.
Hospital Canyon larkspur <i>Delphinium californicum</i> ssp. <i>interius</i>	--/--/1B.2	Moist areas of the inner Coast Ranges from Contra Costa to Santa Clara counties.
Recurved larkspur <i>Delphinium recurvatum</i>	--/--/1B.2	Alkali sink or valley and foothill grassland communities.
Western leatherwood <i>Dirca occidentalis</i>	--/--/1B.2	Broad-leaved upland forests, closed-cone coniferous forests, chaparral, cismontane woodland, north coast coniferous forests, riparian forests, riparian woodland; mesic sites.
Brandegee's eriastrum <i>Eriastrum brandegeae</i>	--/--/1B.2	Volcanic material in chaparral and foothill woodlands.
Tiburon buckwheat <i>Eriogonum luteolum</i> var. <i>caninum</i>	--/--/1B.2	Chaparral, cismontane woodland, coastal prairie, valley and foothill grassland.
Mt. Diablo buckwheat <i>Eriogonum truncatum</i>	--/--/1B.1	Chaparral, scrub, and grassland habitats of Alameda, Contra Costa, and Solano Counties.
Hoover's button celery <i>Eryngium aristulaum</i> var. <i>hooveri</i>	--/--/1B.1	Vernal pool, wetland.
Coast wallflower <i>Erysimum ammophilum</i>	--/--/1B.2	Sandy coastal habitats.
Diamond-petaled California poppy <i>Eschscholzia rhombipetala</i>	--/--/1B.1	Dry flats and brushy slopes below 3,500 feet in elevation.
Hillsborough chocolate lily <i>Fritillaria biflora</i> var. <i>ineziana</i>	--/--/1B.1	Cismontane woodland, grassland, on serpentinite.
Talus fritillary <i>Fritillaria falcata</i>	--/--/1B.2	Serpentine talus slopes in chaparral and foothill woodlands.

Appendices

Appendix H: Biological Resources

TABLE H-1: FOCUSED LIST OF SPECIAL-STATUS SPECIES WITH POTENTIAL TO OCCUR IN OR NEAR PROPOSED PLAN BAY AREA PROJECTS

<i>Common Name</i> <i>Scientific Name</i>	<i>Listing Status</i> <i>USFWS/CDFG</i> <i>/CNPS</i>	<i>General Habitat</i>
OTHER SPECIES OF SPECIAL CONCERN		
Plants (cont.)		
Marin checker lily <i>Fritillaria lanceolata</i> var. <i>tristulis</i>	--/--/1B.1	Coastal grasslands of western Marin County.
Fragrant fritillary <i>Fritillaria liliacea</i>	--/--/1B.2	Coastal scrub, valley and foothill grassland, coastal prairie; on heavy clay soils, often on ultramafic soils.
Diablo helianthella <i>Helianthella castanea</i>	--/--/1B.2	Openings in chaparral and broad-leaved upland forest.
Brewer's western flax <i>Hesperolinon breweri</i>	--/--/1B.2	Grassy or brushy serpentine slopes within chaparral or foothill woodlands of the outer Coast Ranges; often partly shaded.
Drymaria-like western flax <i>Hesperolinon drymarioides</i>	--/--/1B.2	Dry slopes in foothill woodlands.
Carquinez goldenbush <i>Isocoma arguta</i>	--/--/1B.1	Slopes of the Carquinez Straits in Solano and Contra Costa Counties.
Delta tule pea <i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	--/--/1B.2	Natural edges of sloughs and rivers in the Sacramento – San Joaquin Delta.
Legenere <i>Legenere limosa</i>	--/--/1B.1	Vernal pool, wetland.
Heckard's pepper grass <i>Lepidium latipes</i> var. <i>heckardii</i>	--/--/1B.1	Valley and foothill grassland, vernal pool, wetland.
Crystal Springs lessingia <i>Lessingia arachnoidea</i>	--/--/1B.2	Cismontane woodland, coastal scrub, grasslands, on serpentinite, often on roadcuts.
Smooth lessingia <i>Lessingia micradenia</i> var. <i>glabrata</i>	--/--/1B.2	Dry, open gravel slopes in serpentine or clay; from Santa Cruz Mountains.
Tamalpais lessingia <i>Lessingia micradenia</i> var. <i>micradenia</i>	--/--/1B.2	Chaparral and mixed evergreen forests on dry gravel or serpentine slopes; from Marin County.
Mason's lilaepsis <i>Lilaeopsis masonii</i>	--/--/1B.1	Freshwater marsh and swamp, riparian scrub, wetland.
Coast lily <i>Lilium maritimum</i>	--/--/1B.1	Sandy soils, but also in brush and woods in coastal scrub and coastal coniferous habitats.
Delta mudwort <i>Limosella subulata</i>	--/--/2.1	Brackish and freshwater marsh and swamp, riparian scrub, wetland.
Showy madia <i>Madia radiata</i>	--/--/1B.1	Grassy slopes in valley grasslands and foothill woodlands of the inner Coast Ranges from Contra Costa to Kern Counties.
Arcuate bush-mallow <i>Malacothamnus arcuatus</i>	--/--/1B.2	Chaparral.

TABLE H-1: FOCUSED LIST OF SPECIAL-STATUS SPECIES WITH POTENTIAL TO OCCUR IN OR NEAR PROPOSED PLAN BAY AREA PROJECTS

<i>Common Name</i> <i>Scientific Name</i>	<i>Listing Status</i> <i>USFWS/CDFG</i> <i>/CNPS</i>	<i>General Habitat</i>
OTHER SPECIES OF SPECIAL CONCERN		
Plants (cont.)		
Hall's bush mallow <i>Malacothamnus hallii</i>	--/--/1B.2	Ultramafic chaparral.
Baker's navarretia <i>Navarretia leucocephala</i> ssp. <i>bakeri</i>	--/--/1B.1	Vernal pools in valley grasslands and foothill woodlands.
Vernal pool navarretia <i>Navarretia prostrata</i>	--/--/1B.1	Coastal scrub, valley and foothill grassland, vernal pool, wetland.
Marin County navarretia <i>Navarretia rosulata</i>	--/--/1B.2	Serpentine soils; noted in Marin County.
North coast phacelia <i>Phacelia insularis</i> var. <i>continentis</i>	--/--/1B.2	Coastal strand and sand dunes in Marin and to Mendocino Counties.
Mt. Diablo phacelia <i>Phacelia phacelioides</i>	--/--/1B.2	Cismontane woodland, chaparral.
Hairless popcorn-flower <i>Plagiobothrys glaber</i>	--/--/1A	Largely confined to coastal salt marsh habitats along the south shore of San Francisco Bay, but also located in alkaline meadows in Santa Clara Valley and further south.
Hooked popcorn-flower <i>Plagiobothrys uncinatus</i>	--/--/1B.2	Canyon sides and chaparral habitats.
Rayless ragwort <i>Senecio aphanactis</i>	--/--/2.2	Dry, open places including chaparral and coastal sage scrub.
Marin checkerbloom <i>Sidalcea hickmanii</i> var. <i>viridis</i>	--/--/1B.3	Chaparral, usually on serpentinite.
San Francisco champion <i>Silene verecunda</i> var. <i>verecunda</i>	--/--/1B.2	Coastal bluff scrub, chaparral, coastal prairie, coastal scrub, grasslands with sandy soil.
Most beautiful jewel-flower <i>Streptanthus albidus</i> ssp. <i>peramoenus</i>	--/--/1B.2	Chaparral, cismontane woodland, ultramafic valley and foothill grassland
Tamalpais jewel-flower <i>Streptanthus batrachopus</i>	--/--/1B.3	Serpentine outcrops within chaparral; reported from Contra Costa and Marin Counties.
Slender-leaved pondweed <i>Stuckenia filiformis</i>	--/--/1B.2	Marsh and swamp, wetland.
Suisun marsh aster <i>Symphotrichum lentum</i>	--/--/1B.2	Brackish water, freshwater marsh and swamp, wetland.
San Francisco owl's-clover <i>Triphysaria floribunda</i>	--/--/1B.2	Coastal prairie and grasslands, on serpentinite.

Appendices

Appendix H: Biological Resources

TABLE H-1: FOCUSED LIST OF SPECIAL-STATUS SPECIES WITH POTENTIAL TO OCCUR IN OR NEAR PROPOSED PLAN BAY AREA PROJECTS

<i>Common Name</i>	<i>Listing Status</i>	
<i>Scientific Name</i>	<i>USFWS/CDFG</i>	<i>General Habitat</i>
	<i>/CNPS</i>	
OTHER SPECIES OF SPECIAL CONCERN		
Plants (cont.)		
Napa bluecurls <i>Trichostema ruygtii</i>	--/--/1B.2	Chaparral, cismontane woodland, lower montane coniferous forest, valley and foothill grassland, vernal pool wetland.
Saline clover <i>Trifolium hydrophilum</i>	--/--/1B.2	Marsh and swamp, valley and foothill grassland, vernal pool, wetland.
Caper-fruited troidocarpum <i>Troidocarpum capparideum</i>	--/--/1B.1	Alkaline hills, grasslands.

FEDERAL: (U.S. Fish and Wildlife Service)

FE = Listed as Endangered (in danger of extinction) by the Federal Government.

FT = Listed as Threatened (likely to become Endangered within the foreseeable future) by the Federal Government.

FP = Proposed for Listing as Endangered or Threatened.

FC = Candidate to become a *proposed* species.

FSC = former Federal Species of Concern. Species designated as such were listed by the Sacramento FWS office until 2006, when they stopped maintaining their list. These species are still considered to be at-risk species by other federal and state agencies, as well as various organizations with recognized expertise such as the Audubon Society.

MMPA = Marine Mammal Protection Act

STATE: (California Department of Fish and Game)

CE = Listed as Endangered by the State of California

CT = Listed as Threatened by the State of California

CDFG FP = Fully Protected by the State of California

CR = Listed as Rare by the State of California (plants only)

CSC = California Species of Special Concern

3503.5=Protection for nesting species of Falconiformes (hawks) and Strigiformes (owls)

*Special animal—listed on CDFG's Special Animals List

California Native Plant Society

List 1A=Plants presumed extinct in California

List 1B=Plants rare, Threatened, or Endangered in California and elsewhere

List 2= Plants rare, Threatened, or Endangered in California but more common elsewhere

List 3= Plants about which more information is needed

List 4= Plants of limited distribution

An extension reflecting the level of threat to each species is appended to each rarity category as follows:

.1 – Seriously endangered in California

.2 – Fairly endangered in California

.3 – Not very endangered in California

Sources: CDFG, 2012; CNPS, 2012; Hickman et al., 1993; Zeiner and Laudenslayer, 1988-1990

TABLE H-1A: PDAs That May Impact Special-Status Species

<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
Alameda	Alameda County Unincorporated: Meekland Corridor	alkali milk-vetch	11
Alameda	Alameda County Unincorporated: Meekland Corridor	pallid bat	19
Alameda	Alameda County Unincorporated: Meekland Corridor	Santa Cruz tarplant	142
Alameda	Alameda County Unincorporated: Meekland Corridor	western mastiff bat	
Alameda	Alameda: Naval Air Station	Alameda Island mole	
Alameda	Alameda: Naval Air Station	Alameda song sparrow	1575
Alameda	Alameda: Naval Air Station	California least tern	
Alameda	Alameda: Northern Waterfront	adobe sanicle	175
Alameda	Alameda: Northern Waterfront	Alameda Island mole	
Alameda	Alameda: Northern Waterfront	Alameda song sparrow	
Alameda	Alameda: Northern Waterfront	alkali milk-vetch	
Alameda	Alameda: Northern Waterfront	California tiger salamander	
Alameda	Alameda: Northern Waterfront	Kellogg's horkelia	
Alameda	Alameda: Northern Waterfront	robust spineflower	
Alameda	Alameda: Northern Waterfront	saline clover	
Alameda	Albany: San Pablo Avenue & Solano Avenue	Alameda song sparrow	0
Alameda	Albany: San Pablo Avenue & Solano Avenue	Bridges' coast range shoulderband	33
Alameda	Albany: San Pablo Avenue & Solano Avenue	monarch butterfly	1
Alameda	Albany: San Pablo Avenue & Solano Avenue	pallid bat	
Alameda	Albany: San Pablo Avenue & Solano Avenue	saline clover	7
Alameda	Berkeley: Adeline Street	big free-tailed bat	
Alameda	Berkeley: Adeline Street	pallid bat	12
Alameda	Berkeley: Downtown	big free-tailed bat	112
Alameda	Berkeley: Downtown	hoary bat	
Alameda	Berkeley: Downtown	pallid bat	
Alameda	Berkeley: Downtown	round-leaved filaree	
Alameda	Berkeley: San Pablo Avenue	monarch butterfly	0
Alameda	Berkeley: San Pablo Avenue	saline clover	43
Alameda	Berkeley: San Pablo Avenue	Santa Cruz tarplant	
Alameda	Berkeley: South Shattuck	big free-tailed bat	13
Alameda	Berkeley: South Shattuck	hoary bat	
Alameda	Berkeley: South Shattuck	pallid bat	
Alameda	Berkeley: South Shattuck	round-leaved filaree	
Alameda	Berkeley: Telegraph Avenue	big free-tailed bat	
Alameda	Berkeley: Telegraph Avenue	hoary bat	
Alameda	Berkeley: Telegraph Avenue	pallid bat	23
Alameda	Berkeley: Telegraph Avenue	round-leaved filaree	
Alameda	Berkeley: University Avenue	big free-tailed bat	
Alameda	Berkeley: University Avenue	hoary bat	
Alameda	Berkeley: University Avenue	pallid bat	
Alameda	Berkeley: University Avenue	round-leaved filaree	
Alameda	Berkeley: University Avenue	saline clover	40
Alameda	Dublin: Downtown Specific Plan Area	hairless popcornflower	53
Alameda	Dublin: Town Center	California red-legged frog	39
Alameda	Dublin: Town Center	California tiger salamander	7
Alameda	Dublin: Town Center	Congdon's tarplant	
Alameda	Dublin: Town Center	San Joaquin spearscale	110
Alameda	Dublin: Transit Center	American badger	
Alameda	Dublin: Transit Center	burrowing owl	
Alameda	Dublin: Transit Center	California linderiella	
Alameda	Dublin: Transit Center	California red-legged frog	9
Alameda	Dublin: Transit Center	Congdon's tarplant	
Alameda	Dublin: Transit Center	hairless popcornflower	673
Alameda	Dublin: Transit Center	western pond turtle	
Alameda	Dublin: Transit Center	white-tailed kite	
Alameda	East 14th Street and Mission Boulevard Mixed Use Corridor	Congdon's tarplant	67
Alameda	East 14th Street and Mission Boulevard Mixed Use Corridor	pallid bat	
Alameda	East 14th Street and Mission Boulevard Mixed Use Corridor	Santa Cruz tarplant	129
Alameda	East 14th Street and Mission Boulevard Mixed Use Corridor	western mastiff bat	
Alameda	East 14th Street and Mission Boulevard Mixed Use Corridor	woodland woollythreads	
Alameda	Emeryville: Mixed-Use Core	alkali milk-vetch	53
Alameda	Emeryville: Mixed-Use Core	Point Reyes bird's-beak	12
Alameda	Emeryville: Mixed-Use Core	Santa Cruz tarplant	317
Alameda	Fremont: Centerville	California black rail	
Alameda	Fremont: Centerville	great blue heron	
Alameda	Fremont: Centerville	hairless popcornflower	
Alameda	Fremont: Centerville	slender-leaved pondweed	329
Alameda	Fremont: Centerville	steelhead - central California coast DPS	71
Alameda	Fremont: City Center	slender-leaved pondweed	147
Alameda	Fremont: City Center	tricolored blackbird	0
Alameda	Fremont: Irvington District	burrowing owl	2
Alameda	Fremont: Irvington District	California tiger salamander	5
Alameda	Fremont: South Fremont/Warm Springs	burrowing owl	56
Alameda	Fremont: South Fremont/Warm Springs	tricolored blackbird	138
Alameda	Hayward: Downtown	pallid bat	229
Alameda	Hayward: Downtown	Santa Cruz tarplant	0
Alameda	Hayward: Downtown	western mastiff bat	
Alameda	Hayward: Mission Corridor	pallid bat	183
Alameda	Hayward: Mission Corridor	Santa Cruz tarplant	
Alameda	Hayward: Mission Corridor	western mastiff bat	
Alameda	Hayward: South Hayward BART	Diablo helianthella	0
Alameda	Hayward: South Hayward BART	most beautiful jewel-flower	0
Alameda	Hayward: The Cannery	alkali milk-vetch	29
Alameda	Hayward: The Cannery	hoary bat	
Alameda	Hayward: The Cannery	pallid bat	100

TABLE H-1A: PDAs That May Impact Special-Status Species

<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
Alameda	Hayward: The Cannery	Santa Cruz tarplant	
Alameda	Hayward: The Cannery	western mastiff bat	
Alameda	Livermore: Downtown	California tiger salamander	25
Alameda	Livermore: Downtown	caper-fruited tropidocarpum	191
Alameda	Livermore: Downtown	foothill yellow-legged frog	
Alameda	Livermore: Downtown	hairless popcornflower	
Alameda	Livermore: Isabel Avenue/BART Station Planning Area	California red-legged frog	4
Alameda	Livermore: Isabel Avenue/BART Station Planning Area	California tiger salamander	
Alameda	Livermore: Isabel Avenue/BART Station Planning Area	caper-fruited tropidocarpum	620
Alameda	Livermore: Isabel Avenue/BART Station Planning Area	foothill yellow-legged frog	341
Alameda	Livermore: Vasco Road Station Planning Area	alkali milk-vetch	664
Alameda	Livermore: Vasco Road Station Planning Area	brittlescale	
Alameda	Livermore: Vasco Road Station Planning Area	burrowing owl	38
Alameda	Livermore: Vasco Road Station Planning Area	California red-legged frog	122
Alameda	Livermore: Vasco Road Station Planning Area	California tiger salamander	
Alameda	Livermore: Vasco Road Station Planning Area	caper-fruited tropidocarpum	2176
Alameda	Livermore: Vasco Road Station Planning Area	Cooper's hawk	
Alameda	Livermore: Vasco Road Station Planning Area	ferruginous hawk	
Alameda	Livermore: Vasco Road Station Planning Area	Livermore tarplant	
Alameda	Livermore: Vasco Road Station Planning Area	loggerhead shrike	
Alameda	Livermore: Vasco Road Station Planning Area	stinkbells	
Alameda	Livermore: Vasco Road Station Planning Area	tricolored blackbird	
Alameda	Livermore: Vasco Road Station Planning Area	western pond turtle	67
Alameda	Livermore: Vasco Road Station Planning Area	western spadefoot	
Alameda	Livermore: Vasco Road Station Planning Area	white-tailed kite	
Alameda	Newark: Dumbarton Transit Oriented Development	alkali milk-vetch	
Alameda	Newark: Dumbarton Transit Oriented Development	burrowing owl	125
Alameda	Newark: Dumbarton Transit Oriented Development	Congdon's tarplant	0
Alameda	Newark: Dumbarton Transit Oriented Development	Contra Costa goldfields	
Alameda	Newark: Dumbarton Transit Oriented Development	saline clover	
Alameda	Newark: Dumbarton Transit Oriented Development	San Joaquin spearscale	
Alameda	Newark: Old Town Mixed Use Area	alkali milk-vetch	39
Alameda	Newark: Old Town Mixed Use Area	burrowing owl	39
Alameda	Newark: Old Town Mixed Use Area	Contra Costa goldfields	
Alameda	Newark: Old Town Mixed Use Area	San Joaquin spearscale	
Alameda	Newark: Old Town Mixed Use Area	western snowy plover	2
Alameda	Oakland: Coliseum BART Station Area	Point Reyes bird's-beak	15
Alameda	Oakland: Coliseum BART Station Area	woodland woollythreads	
Alameda	Oakland: Downtown & Jack London Square	bent-flowered fiddleneck	
Alameda	Oakland: Downtown & Jack London Square	Choris' popcornflower	
Alameda	Oakland: Downtown & Jack London Square	hoary bat	236
Alameda	Oakland: Downtown & Jack London Square	Kellogg's horkelia	
Alameda	Oakland: Downtown & Jack London Square	round-leaved filaree	
Alameda	Oakland: Downtown & Jack London Square	San Francisco Bay spineflower	
Alameda	Oakland: Downtown & Jack London Square	San Joaquin spearscale	
Alameda	Oakland: Eastmont Town Center	Alameda song sparrow	83
Alameda	Oakland: Eastmont Town Center	Bay checkerspot butterfly	
Alameda	Oakland: Eastmont Town Center	fragrant fritillary	
Alameda	Oakland: Eastmont Town Center	woodland woollythreads	
Alameda	Oakland: Fruitvale & Dimond Areas	adobe sanicle	
Alameda	Oakland: Fruitvale & Dimond Areas	Alameda Island mole	
Alameda	Oakland: Fruitvale & Dimond Areas	Alameda song sparrow	
Alameda	Oakland: Fruitvale & Dimond Areas	alkali milk-vetch	
Alameda	Oakland: Fruitvale & Dimond Areas	California tiger salamander	
Alameda	Oakland: Fruitvale & Dimond Areas	fragrant fritillary	21
Alameda	Oakland: Fruitvale & Dimond Areas	Kellogg's horkelia	
Alameda	Oakland: Fruitvale & Dimond Areas	Point Reyes bird's-beak	0
Alameda	Oakland: Fruitvale & Dimond Areas	robust spineflower	
Alameda	Oakland: Fruitvale & Dimond Areas	saline clover	
Alameda	Oakland: Fruitvale & Dimond Areas	woodland woollythreads	
Alameda	Oakland: MacArthur Transit Village	bent-flowered fiddleneck	20
Alameda	Oakland: MacArthur Transit Village	Choris' popcornflower	20
Alameda	Oakland: MacArthur Transit Village	hoary bat	
Alameda	Oakland: MacArthur Transit Village	Kellogg's horkelia	
Alameda	Oakland: MacArthur Transit Village	round-leaved filaree	
Alameda	Oakland: MacArthur Transit Village	San Francisco Bay spineflower	
Alameda	Oakland: MacArthur Transit Village	San Joaquin spearscale	
Alameda	Oakland: Transit Oriented Development Corridors	adobe sanicle	
Alameda	Oakland: Transit Oriented Development Corridors	Alameda Island mole	
Alameda	Oakland: Transit Oriented Development Corridors	Alameda song sparrow	744
Alameda	Oakland: Transit Oriented Development Corridors	alkali milk-vetch	
Alameda	Oakland: Transit Oriented Development Corridors	Bay checkerspot butterfly	184
Alameda	Oakland: Transit Oriented Development Corridors	bent-flowered fiddleneck	
Alameda	Oakland: Transit Oriented Development Corridors	California clapper rail	
Alameda	Oakland: Transit Oriented Development Corridors	California tiger salamander	111
Alameda	Oakland: Transit Oriented Development Corridors	Choris' popcornflower	
Alameda	Oakland: Transit Oriented Development Corridors	Cooper's hawk	
Alameda	Oakland: Transit Oriented Development Corridors	Diablo helianthella	
Alameda	Oakland: Transit Oriented Development Corridors	fragrant fritillary	
Alameda	Oakland: Transit Oriented Development Corridors	hoary bat	9
Alameda	Oakland: Transit Oriented Development Corridors	Kellogg's horkelia	
Alameda	Oakland: Transit Oriented Development Corridors	mimic tryonia (=California brackishwater snail)	
Alameda	Oakland: Transit Oriented Development Corridors	Point Reyes bird's-beak	
Alameda	Oakland: Transit Oriented Development Corridors	robust spineflower	
Alameda	Oakland: Transit Oriented Development Corridors	round-leaved filaree	

TABLE H-1A: PDAs That May Impact Special-Status Species

<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
Alameda	Oakland: Transit Oriented Development Corridors	saline clover	
Alameda	Oakland: Transit Oriented Development Corridors	San Francisco Bay spineflower	
Alameda	Oakland: Transit Oriented Development Corridors	San Joaquin spearscale	
Alameda	Oakland: Transit Oriented Development Corridors	Santa Clara red ribbons	
Alameda	Oakland: Transit Oriented Development Corridors	silver-haired bat	
Alameda	Oakland: Transit Oriented Development Corridors	tidewater goby	163
Alameda	Oakland: Transit Oriented Development Corridors	woodland woollythreads	
Alameda	Oakland: West Oakland	bent-flowered fiddleneck	
Alameda	Oakland: West Oakland	Choris' popcornflower	
Alameda	Oakland: West Oakland	hoary bat	984
Alameda	Oakland: West Oakland	Kellogg's horkelia	
Alameda	Oakland: West Oakland	round-leaved filaree	
Alameda	Oakland: West Oakland	saline clover	
Alameda	Oakland: West Oakland	San Francisco Bay spineflower	
Alameda	Oakland: West Oakland	San Joaquin spearscale	
Alameda	Oakland: West Oakland	Santa Cruz tarplant	
Alameda	Pleasanton: Hacienda	burrowing owl	54
Alameda	Pleasanton: Hacienda	hairless popcornflower	
Alameda	San Leandro: Bay Fair BART Transit Village	Congdon's tarplant	13
Alameda	San Leandro: Bay Fair BART Transit Village	woodland woollythreads	
Alameda	San Leandro: Downtown Transit Oriented Development	Alameda song sparrow	83
Alameda	San Leandro: Downtown Transit Oriented Development	woodland woollythreads	
Alameda	San Leandro: East 14th Street	Alameda song sparrow	
Alameda	San Leandro: East 14th Street	Congdon's tarplant	45
Alameda	San Leandro: East 14th Street	woodland woollythreads	
		Alameda County Potential Effect	12201
		Alameda County Urban Land (2008)	146075
		Total Alameda County Land	525338

<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
Contra Costa	Antioch: Hillcrest eBART Station	big tarplant	
Contra Costa	Antioch: Hillcrest eBART Station	burrowing owl	
Contra Costa	Antioch: Hillcrest eBART Station	California tiger salamander	17
Contra Costa	Antioch: Hillcrest eBART Station	Contra Costa goldfields	
Contra Costa	Antioch: Hillcrest eBART Station	diamond-petaled California poppy	
Contra Costa	Antioch: Hillcrest eBART Station	Hoover's cryptantha	
Contra Costa	Antioch: Hillcrest eBART Station	Hurd's metapogon robberfly	
Contra Costa	Antioch: Hillcrest eBART Station	Mt. Diablo buckwheat	
Contra Costa	Antioch: Hillcrest eBART Station	round-leaved filaree	
Contra Costa	Antioch: Hillcrest eBART Station	silvery legless lizard	236
Contra Costa	Antioch: Hillcrest eBART Station	Swainson's hawk	15
Contra Costa	Antioch: Hillcrest eBART Station	western red bat	
Contra Costa	Antioch: Rivertown Waterfront	Antioch andrenid bee	0
Contra Costa	Antioch: Rivertown Waterfront	Antioch Dunes anthicid beetle	0
Contra Costa	Antioch: Rivertown Waterfront	Antioch Dunes buckwheat	1
Contra Costa	Antioch: Rivertown Waterfront	Antioch Dunes evening-primrose	1
Contra Costa	Antioch: Rivertown Waterfront	Antioch Dunes halcidid bee	8
Contra Costa	Antioch: Rivertown Waterfront	Antioch efferian robberfly	0
Contra Costa	Antioch: Rivertown Waterfront	Antioch multiid wasp	0
Contra Costa	Antioch: Rivertown Waterfront	Antioch specid wasp	0
Contra Costa	Antioch: Rivertown Waterfront	big tarplant	144
Contra Costa	Antioch: Rivertown Waterfront	California tiger salamander	144
Contra Costa	Antioch: Rivertown Waterfront	Contra Costa goldfields	
Contra Costa	Antioch: Rivertown Waterfront	diamond-petaled California poppy	
Contra Costa	Antioch: Rivertown Waterfront	Hoover's cryptantha	
Contra Costa	Antioch: Rivertown Waterfront	Hurd's metapogon robberfly	12
Contra Costa	Antioch: Rivertown Waterfront	Mason's lilaeopsis	
Contra Costa	Antioch: Rivertown Waterfront	Middlekauff's shieldback katydid	0
Contra Costa	Antioch: Rivertown Waterfront	Mt. Diablo buckwheat	
Contra Costa	Antioch: Rivertown Waterfront	redheaded sphecid wasp	8
Contra Costa	Antioch: Rivertown Waterfront	round-leaved filaree	
Contra Costa	Antioch: Rivertown Waterfront	salt-marsh harvest mouse	7
Contra Costa	Antioch: Rivertown Waterfront	silvery legless lizard	
Contra Costa	Antioch: Rivertown Waterfront	Stabilized Interior Dunes	0
Contra Costa	Antioch: Rivertown Waterfront	Suisun Marsh aster	12
Contra Costa	Antioch: Rivertown Waterfront	western red bat	
Contra Costa	Concord: Community Reuse Area	California tiger salamander	14
Contra Costa	Concord: Community Reuse Area	Contra Costa goldfields	
Contra Costa	Concord: Community Reuse Area	golden eagle	8
Contra Costa	Concord: Community Reuse Area	hoary bat	
Contra Costa	Concord: Community Reuse Area	San Joaquin spearscale	
Contra Costa	Concord: Downtown BART Station Planning	California tiger salamander	369
Contra Costa	Concord: Downtown BART Station Planning	Contra Costa goldfields	
Contra Costa	Concord: Downtown BART Station Planning	hoary bat	
Contra Costa	Concord: Downtown BART Station Planning	San Joaquin spearscale	
Contra Costa	Contra Costa County Unincorporated: Contra Costa Centre	California tiger salamander	
Contra Costa	Contra Costa County Unincorporated: Contra Costa Centre	Congdon's tarplant	74
Contra Costa	Contra Costa County Unincorporated: Downtown El Sobrante	San Pablo song sparrow	128
Contra Costa	Contra Costa County Unincorporated: North Richmond	California black rail	0
Contra Costa	Contra Costa County Unincorporated: North Richmond	California clapper rail	
Contra Costa	Contra Costa County Unincorporated: North Richmond	Northern Coastal Salt Marsh	
Contra Costa	Contra Costa County Unincorporated: North Richmond	northern harrier	
Contra Costa	Contra Costa County Unincorporated: North Richmond	salt-marsh harvest mouse	
Contra Costa	Contra Costa County Unincorporated: North Richmond	salt-marsh wandering shrew	
Contra Costa	Contra Costa County Unincorporated: North Richmond	San Pablo song sparrow	123

TABLE H-1A: PDAs That May Impact Special-Status Species

<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
Contra Costa	Contra Costa County Unincorporated: North Richmond	San Pablo vole	
Contra Costa	Contra Costa County Unincorporated: North Richmond	short-eared owl	
Contra Costa	Contra Costa County Unincorporated: Pittsburg/Bay Point BART Station	Suisun song sparrow	4
Contra Costa	Danville: Downtown Danville	Antioch efferian robberfly	
Contra Costa	Danville: Downtown Danville	California tiger salamander	3
Contra Costa	Danville: Downtown Danville	pallid bat	
Contra Costa	Danville: Downtown Danville	San Joaquin spearscale	324
Contra Costa	El Cerrito: San Pablo Avenue Corridor	Alameda song sparrow	0
Contra Costa	El Cerrito: San Pablo Avenue Corridor	alkali milk-vetch	
Contra Costa	El Cerrito: San Pablo Avenue Corridor	Bridges' coast range shoulderband	
Contra Costa	El Cerrito: San Pablo Avenue Corridor	California seablite	
Contra Costa	El Cerrito: San Pablo Avenue Corridor	fragrant fritillary	
Contra Costa	El Cerrito: San Pablo Avenue Corridor	hoary bat	127
Contra Costa	El Cerrito: San Pablo Avenue Corridor	pallid bat	
Contra Costa	El Cerrito: San Pablo Avenue Corridor	saline clover	99
Contra Costa	Hercules: Central Hercules	California red-legged frog	23
Contra Costa	Hercules: Central Hercules	Carquinez goldenbush	8
Contra Costa	Hercules: Waterfront District	California black rail	0
Contra Costa	Hercules: Waterfront District	Northern Coastal Salt Marsh	0
Contra Costa	Lafayette: Downtown	pallid bat	213
Contra Costa	Martinez: Downtown	big free-tailed bat	139
Contra Costa	Martinez: Downtown	Bolander's water-hemlock	
Contra Costa	Martinez: Downtown	Carquinez goldenbush	
Contra Costa	Martinez: Downtown	Northern Coastal Salt Marsh	
Contra Costa	Martinez: Downtown	soft bird's-beak	95
Contra Costa	Martinez: Downtown	Suisun song sparrow	
Contra Costa	Moraga: Moraga Center	round-leaved filaree	
Contra Costa	Moraga: Moraga Center	woodland woollythreads	164
Contra Costa	Oakley: Downtown	Antioch andrenid bee	110
Contra Costa	Oakley: Downtown	Bolander's water-hemlock	
Contra Costa	Oakley: Downtown	curved-foot hygrotrus diving beetle	110
Contra Costa	Oakley: Downtown	Suisun Marsh aster	
Contra Costa	Oakley: Employment Area	Mason's lilaeopsis	9
Contra Costa	Oakley: Employment Area	silvery legless lizard	25
Contra Costa	Oakley: Employment Area	Suisun Marsh aster	
Contra Costa	Oakley: Potential Planning Area	Swainson's hawk	3
Contra Costa	Orinda: Downtown	American badger	100
Contra Costa	Orinda: Downtown	Berkeley kangaroo rat	
Contra Costa	Orinda: Downtown	pallid bat	
Contra Costa	Pinole: Appian Way Corridor	pallid bat	
Contra Costa	Pinole: Appian Way Corridor	San Pablo song sparrow	
Contra Costa	Pinole: Appian Way Corridor	Santa Cruz tarplant	26
Contra Costa	Pinole: Appian Way Corridor	yellow-headed blackbird	74
Contra Costa	Pinole: Old Town & San Pablo Avenue	pallid bat	132
Contra Costa	Pinole: Old Town & San Pablo Avenue	San Pablo song sparrow	
Contra Costa	Pinole: Old Town & San Pablo Avenue	yellow-headed blackbird	
Contra Costa	Pittsburg: Downtown	big tarplant	260
Contra Costa	Pittsburg: Downtown	Delta tule pea	2
Contra Costa	Pittsburg: Downtown	Mason's lilaeopsis	
Contra Costa	Pittsburg: Downtown	Suisun Marsh aster	
Contra Costa	Pittsburg: Downtown	Suisun song sparrow	260
Contra Costa	Pittsburg: Railroad Avenue eBART Station	big tarplant	682
Contra Costa	Pittsburg: Railroad Avenue eBART Station	Suisun song sparrow	
Contra Costa	Pleasant Hill: Buskirk Avenue Corridor	Congdon's tarplant	227
Contra Costa	Pleasant Hill: Buskirk Avenue Corridor	hoary bat	
Contra Costa	Pleasant Hill: Diablo Valley College	California tiger salamander	33
Contra Costa	Richmond: San Pablo Avenue Corridor	alkali milk-vetch	7
Contra Costa	Richmond: San Pablo Avenue Corridor	California seablite	
Contra Costa	Richmond: San Pablo Avenue Corridor	fragrant fritillary	7
Contra Costa	Richmond: San Pablo Avenue Corridor	hoary bat	13
Contra Costa	Richmond: San Pablo Avenue Corridor	pallid bat	
Contra Costa	Richmond: San Pablo Avenue Corridor	saline clover	
Contra Costa	Richmond: San Pablo Avenue Corridor	San Pablo song sparrow	33
Contra Costa	Richmond: South Richmond	Alameda song sparrow	67
Contra Costa	Richmond: South Richmond	alkali milk-vetch	421
Contra Costa	Richmond: South Richmond	burrowing owl	5
Contra Costa	Richmond: South Richmond	California clapper rail	
Contra Costa	Richmond: South Richmond	California seablite	232
Contra Costa	Richmond: South Richmond	fragrant fritillary	
Contra Costa	Richmond: South Richmond	hoary bat	
Contra Costa	Richmond: South Richmond	monarch butterfly	
Contra Costa	Richmond: South Richmond	Northern Coastal Salt Marsh	
Contra Costa	Richmond: South Richmond	pallid bat	
Contra Costa	Richmond: South Richmond	saline clover	
Contra Costa	San Pablo: San Pablo Avenue	San Pablo song sparrow	135
Contra Costa	San Ramon: City Center	burrowing owl	5
Contra Costa	SUB-AREA: West Contra Costa Transportation Advisory Committee: San F	Carquinez goldenbush	101
Contra Costa	SUB-AREA: West Contra Costa Transportation Advisory Committee: San F	pallid bat	
Contra Costa	SUB-AREA: West Contra Costa Transportation Advisory Committee: San F	San Pablo song sparrow	27
Contra Costa	SUB-AREA: West Contra Costa Transportation Advisory Committee: San F	yellow-headed blackbird	9
Contra Costa	Walnut Creek: West Downtown	big tarplant	133
Contra Costa	Walnut Creek: West Downtown	California tiger salamander	133
Contra Costa	Walnut Creek: West Downtown	Contra Costa goldfields	
Contra Costa	Walnut Creek: West Downtown	pallid bat	
Contra Costa County Potential Effect			5904

TABLE H-1A: PDAs That May Impact Impact Special-Status Species

<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
		Contra Costa County Urban Land (2008)	151336
		Total Contra Costa County Land	514020
<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
Marin	Marin County Unincorporated: Urbanized 101 Corridor	California black rail	
Marin	Marin County Unincorporated: Urbanized 101 Corridor	California clapper rail	106
Marin	Marin County Unincorporated: Urbanized 101 Corridor	Coastal Brackish Marsh	
Marin	Marin County Unincorporated: Urbanized 101 Corridor	Coastal Terrace Prairie	0
Marin	Marin County Unincorporated: Urbanized 101 Corridor	great blue heron	26
Marin	Marin County Unincorporated: Urbanized 101 Corridor	hairless popcornflower	
Marin	Marin County Unincorporated: Urbanized 101 Corridor	Marin western flax	
Marin	Marin County Unincorporated: Urbanized 101 Corridor	Mt. Tamalpais manzanita	344
Marin	Marin County Unincorporated: Urbanized 101 Corridor	Northern Coastal Salt Marsh	0
Marin	Marin County Unincorporated: Urbanized 101 Corridor	Opler's longhorn moth	0
Marin	Marin County Unincorporated: Urbanized 101 Corridor	pallid bat	10
Marin	Marin County Unincorporated: Urbanized 101 Corridor	Point Reyes bird's-beak	0
Marin	Marin County Unincorporated: Urbanized 101 Corridor	salt-marsh harvest mouse	
Marin	Marin County Unincorporated: Urbanized 101 Corridor	San Pablo song sparrow	231
Marin	Marin County Unincorporated: Urbanized 101 Corridor	white-rayed pentachaeta	558
Marin	San Rafael: Civic Center/North Rafael Town Center	California clapper rail	13
Marin	San Rafael: Civic Center/North Rafael Town Center	Mt. Tamalpais manzanita	440
Marin	San Rafael: Downtown	Marin western flax	176
Marin	San Rafael: Downtown	pallid bat	
Marin	San Rafael: Downtown	white-rayed pentachaeta	
		Marin County Potential Effect	1903
		Marin County Urban Land (2008)	146075
		Total Marin County Land	525338
<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
Napa	American Canyon: Highway 29 Corridor	showy rancheria clover	32
Napa	American Canyon: Highway 29 Corridor	western pond turtle	3
Napa	Napa: Downtown Napa	American badger	123
Napa	Napa: Downtown Napa	An isopod	
Napa	Napa: Downtown Napa	Mason's lilaepsis	22
Napa	Napa: Downtown Napa	pallid bat	123
Napa	Napa: Downtown Napa	showy rancheria clover	
Napa	Napa: Soscol Gateway Corridor	American badger	270
Napa	Napa: Soscol Gateway Corridor	An isopod	
Napa	Napa: Soscol Gateway Corridor	Delta tule pea	
Napa	Napa: Soscol Gateway Corridor	Mason's lilaepsis	32
Napa	Napa: Soscol Gateway Corridor	pallid bat	
Napa	Napa: Soscol Gateway Corridor	saltmarsh common yellowthroat	
Napa	Napa: Soscol Gateway Corridor	showy rancheria clover	270
Napa	Napa: Soscol Gateway Corridor	western pond turtle	
		Napa County Potential Effect	876
		Napa County Urban Land (2008)	146075
		Total Napa County Land	525338
<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
San Francisco	San Francisco/San Mateo Bi-County Area (with City of Brisbane)	beach layia	224
San Francisco	San Francisco/San Mateo Bi-County Area (with City of Brisbane)	bristly sedge	
San Francisco	San Francisco/San Mateo Bi-County Area (with City of Brisbane)	Diablo helianthella	18
San Francisco	San Francisco/San Mateo Bi-County Area (with City of Brisbane)	Mission blue butterfly	77
San Francisco	San Francisco/San Mateo Bi-County Area (with City of Brisbane)	rose leptosiphon	224
San Francisco	San Francisco/San Mateo Bi-County Area (with City of Brisbane)	San Francisco Bay Area leaf-cutter bee	
San Francisco	San Francisco/San Mateo Bi-County Area (with City of Brisbane)	San Francisco collinsia	
San Francisco	San Francisco/San Mateo Bi-County Area (with City of Brisbane)	sandy beach tiger beetle	
San Francisco	San Francisco/San Mateo Bi-County Area (with City of Brisbane)	white seaside tarplant	
San Francisco	San Francisco: 19th Avenue	bank swallow	22
San Francisco	San Francisco: 19th Avenue	beach layia	444
San Francisco	San Francisco: 19th Avenue	blue coast gilia	
San Francisco	San Francisco: 19th Avenue	bristly sedge	
San Francisco	San Francisco: 19th Avenue	California black rail	68
San Francisco	San Francisco: 19th Avenue	California red-legged frog	68
San Francisco	San Francisco: 19th Avenue	compact cobwebby thistle	
San Francisco	San Francisco: 19th Avenue	Franciscan thistle	
San Francisco	San Francisco: 19th Avenue	hoary bat	74
San Francisco	San Francisco: 19th Avenue	Kellogg's horkelia	
San Francisco	San Francisco: 19th Avenue	Opler's longhorn moth	
San Francisco	San Francisco: 19th Avenue	robust spineflower	
San Francisco	San Francisco: 19th Avenue	rose leptosiphon	
San Francisco	San Francisco: 19th Avenue	San Francisco Bay Area leaf-cutter bee	
San Francisco	San Francisco: 19th Avenue	San Francisco Bay spineflower	
San Francisco	San Francisco: 19th Avenue	San Francisco lessingia	68
San Francisco	San Francisco: 19th Avenue	San Francisco owl's-clover	
San Francisco	San Francisco: 19th Avenue	sandy beach tiger beetle	
San Francisco	San Francisco: 19th Avenue	tidewater goby	68
San Francisco	San Francisco: 19th Avenue	Tomales isopod	
San Francisco	San Francisco: 19th Avenue	white seaside tarplant	
San Francisco	San Francisco: Balboa Park	beach layia	186
San Francisco	San Francisco: Balboa Park	bristly sedge	
San Francisco	San Francisco: Balboa Park	robust spineflower	
San Francisco	San Francisco: Balboa Park	rose leptosiphon	186
San Francisco	San Francisco: Balboa Park	San Francisco Bay Area leaf-cutter bee	
San Francisco	San Francisco: Balboa Park	San Francisco Bay spineflower	173

TABLE H-1A: PDAs That May Impact Impact Special-Status Species

<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
Santa Clara	San Jose: North San Jose	Alameda song sparrow	
Santa Clara	San Jose: North San Jose	burrowing owl	
Santa Clara	San Jose: North San Jose	California tiger salamander	2864
Santa Clara	San Jose: North San Jose	Congdon's tarplant	673
Santa Clara	San Jose: North San Jose	great blue heron	5
Santa Clara	San Jose: North San Jose	Hall's bush-mallow	5
Santa Clara	San Jose: North San Jose	Hoover's button-celery	257
Santa Clara	San Jose: North San Jose	robust spineflower	
Santa Clara	San Jose: North San Jose	western pond turtle	
Santa Clara	San Jose: Oakridge/Almaden Plaza Urban Village	Congdon's tarplant	321
Santa Clara	San Jose: Saratoga TOD Corridor	California tiger salamander	35
Santa Clara	San Jose: Saratoga TOD Corridor	robust spineflower	
Santa Clara	San Jose: Stevens Creek TOD Corridor	California tiger salamander	126
Santa Clara	San Jose: Stevens Creek TOD Corridor	Congdon's tarplant	
Santa Clara	San Jose: Stevens Creek TOD Corridor	robust spineflower	
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	arcuate bush-mallow	9
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	burrowing owl	6
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	California tiger salamander	
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	Congdon's tarplant	2158
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	Contra Costa goldfields	
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	hairless popcornflower	
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	hoary bat	23
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	Metcalf Canyon jewel-flower	6
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	pallid bat	264
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	robust spineflower	
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	saline clover	2
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	San Francisco collinsia	177
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	Santa Clara Valley dudleya	8
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	smooth lessingia	3
Santa Clara	San Jose: West San Carlos and Southwest Expressway Corridors	California tiger salamander	1023
Santa Clara	San Jose: West San Carlos and Southwest Expressway Corridors	Congdon's tarplant	
Santa Clara	San Jose: West San Carlos and Southwest Expressway Corridors	Cooper's hawk	36
Santa Clara	San Jose: West San Carlos and Southwest Expressway Corridors	hoary bat	114
Santa Clara	San Jose: West San Carlos and Southwest Expressway Corridors	pallid bat	4
Santa Clara	San Jose: West San Carlos and Southwest Expressway Corridors	robust spineflower	
Santa Clara	San Jose: West San Carlos and Southwest Expressway Corridors	saline clover	4
Santa Clara	San Jose: Winchester Boulevard TOD Corridor	California tiger salamander	236
Santa Clara	San Jose: Winchester Boulevard TOD Corridor	Congdon's tarplant	
Santa Clara	San Jose: Winchester Boulevard TOD Corridor	robust spineflower	
Santa Clara	Santa Clara: El Camino Real Focus Area	arcuate bush-mallow	86
Santa Clara	Santa Clara: El Camino Real Focus Area	California tiger salamander	144
Santa Clara	Santa Clara: El Camino Real Focus Area	hairless popcornflower	
Santa Clara	Santa Clara: El Camino Real Focus Area	hoary bat	86
Santa Clara	Santa Clara: El Camino Real Focus Area	robust spineflower	
Santa Clara	Santa Clara: Santa Clara Station Focus Area	arcuate bush-mallow	193
Santa Clara	Santa Clara: Santa Clara Station Focus Area	California tiger salamander	205
Santa Clara	Santa Clara: Santa Clara Station Focus Area	Congdon's tarplant	
Santa Clara	Santa Clara: Santa Clara Station Focus Area	hairless popcornflower	
Santa Clara	Santa Clara: Santa Clara Station Focus Area	hoary bat	193
Santa Clara	Santa Clara: Santa Clara Station Focus Area	robust spineflower	
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas	Alameda song sparrow	75
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas	burrowing owl	42
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas	California tiger salamander	112
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas	Congdon's tarplant	
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas	Hoover's button-celery	125
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas	robust spineflower	
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas	salt-marsh wandering shrew	54
Santa Clara	Saratoga: VTA City Cores, Corridors & Station Areas	Indian Valley bush-mallow	40
Santa Clara	Saratoga: VTA City Cores, Corridors & Station Areas	Loma Prieta hoita	
Santa Clara	Saratoga: VTA City Cores, Corridors & Station Areas	woodland woollythreads	
Santa Clara	Sunnyvale: El Camino Real Corridor	burrowing owl	66
Santa Clara	Sunnyvale: Tasman Station ITR	salt-marsh wandering shrew	13
Santa Clara	Sunnyvale: VTA City Cores, Corridors & Station Areas	salt-marsh wandering shrew	238
Santa Clara	VTA City Cores, Corridors & Station Areas	woodland woollythreads	33
		Santa Clara County Potential Effect	21631
		Santa Clara County Urban Land (2008)	188883
		Total Santa Clara County Land	835229
<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
Solano	Benicia: Downtown	big tarplant	116
Solano	Benicia: Downtown	Bolander's water-hemlock	
Solano	Benicia: Downtown	Carquinez goldenbush	
Solano	Benicia: Downtown	Mason's lillaeopsis	2
Solano	Benicia: Downtown	Suisun song sparrow	
Solano	Benicia: Northern Gateway	California clapper rail	
Solano	Benicia: Northern Gateway	Carquinez goldenbush	1365
Solano	Benicia: Northern Gateway	Coastal Brackish Marsh	
Solano	Benicia: Northern Gateway	saline clover	89
Solano	Benicia: Northern Gateway	salt-marsh harvest mouse	74
Solano	Benicia: Northern Gateway	Suisun Marsh aster	
Solano	Benicia: Northern Gateway	Suisun song sparrow	
Solano	Dixon: Downtown Dixon	adobe-lily	103
Solano	Dixon: Downtown Dixon	burrowing owl	
Solano	Fairfield: Downtown South (Jefferson Street)	hoary bat	62
Solano	Fairfield: Downtown South (Jefferson Street)	legenera	80

TABLE H-1A: PDAs That May Impact Impact Special-Status Species

County	PDA	Species impacted	Acres
San Francisco	San Francisco: Balboa Park	sandy beach tiger beetle	
San Francisco	San Francisco: Balboa Park	white seaside tarplant	
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	adobe sanicle	303
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	alkali milk-vetch	
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	beach layia	2156
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	bristly sedge	
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	Diablo helianthella	1322
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	fragrant fritillary	
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	hoary bat	13
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	Mission blue butterfly	150
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	rose leptosiphon	
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	San Francisco Bay Area leaf-cutter bee	
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	San Francisco collinsia	
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	San Francisco owl's-clover	
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	sandy beach tiger beetle	
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	white seaside tarplant	
San Francisco	San Francisco: Downtown-Van Ness-Geary	beach layia	1847
San Francisco	San Francisco: Downtown-Van Ness-Geary	bristly sedge	
San Francisco	San Francisco: Downtown-Van Ness-Geary	California black rail	889
San Francisco	San Francisco: Downtown-Van Ness-Geary	Franciscan manzanita	
San Francisco	San Francisco: Downtown-Van Ness-Geary	Marin western flax	
San Francisco	San Francisco: Downtown-Van Ness-Geary	monarch butterfly	3
San Francisco	San Francisco: Downtown-Van Ness-Geary	Presidio manzanita	6
San Francisco	San Francisco: Downtown-Van Ness-Geary	rose leptosiphon	
San Francisco	San Francisco: Downtown-Van Ness-Geary	San Francisco Bay Area leaf-cutter bee	
San Francisco	San Francisco: Downtown-Van Ness-Geary	San Francisco Bay spineflower	
San Francisco	San Francisco: Downtown-Van Ness-Geary	San Francisco lessingia	0
San Francisco	San Francisco: Downtown-Van Ness-Geary	sandy beach tiger beetle	
San Francisco	San Francisco: Downtown-Van Ness-Geary	white seaside tarplant	
San Francisco	San Francisco: Eastern Neighborhoods	adobe sanicle	876
San Francisco	San Francisco: Eastern Neighborhoods	alkali milk-vetch	
San Francisco	San Francisco: Eastern Neighborhoods	beach layia	1551
San Francisco	San Francisco: Eastern Neighborhoods	bristly sedge	
San Francisco	San Francisco: Eastern Neighborhoods	fragrant fritillary	
San Francisco	San Francisco: Eastern Neighborhoods	rose leptosiphon	
San Francisco	San Francisco: Eastern Neighborhoods	San Francisco Bay Area leaf-cutter bee	
San Francisco	San Francisco: Eastern Neighborhoods	San Francisco owl's-clover	
San Francisco	San Francisco: Eastern Neighborhoods	sandy beach tiger beetle	
San Francisco	San Francisco: Eastern Neighborhoods	white seaside tarplant	
San Francisco	San Francisco: Market & Octavia	beach layia	254
San Francisco	San Francisco: Market & Octavia	bristly sedge	
San Francisco	San Francisco: Market & Octavia	Presidio manzanita	41
San Francisco	San Francisco: Market & Octavia	rose leptosiphon	254
San Francisco	San Francisco: Market & Octavia	San Francisco Bay Area leaf-cutter bee	
San Francisco	San Francisco: Market & Octavia	sandy beach tiger beetle	
San Francisco	San Francisco: Market & Octavia	white seaside tarplant	
San Francisco	San Francisco: Mission Bay	adobe sanicle	91
San Francisco	San Francisco: Mission Bay	alkali milk-vetch	
San Francisco	San Francisco: Mission Bay	beach layia	248
San Francisco	San Francisco: Mission Bay	bristly sedge	
San Francisco	San Francisco: Mission Bay	fragrant fritillary	
San Francisco	San Francisco: Mission Bay	rose leptosiphon	248
San Francisco	San Francisco: Mission Bay	San Francisco Bay Area leaf-cutter bee	
San Francisco	San Francisco: Mission Bay	San Francisco owl's-clover	
San Francisco	San Francisco: Mission Bay	sandy beach tiger beetle	
San Francisco	San Francisco: Mission Bay	white seaside tarplant	
San Francisco	San Francisco: Mission-San Jose Corridor	beach layia	1343
San Francisco	San Francisco: Mission-San Jose Corridor	bristly sedge	
San Francisco	San Francisco: Mission-San Jose Corridor	coastal triquetrella	0
San Francisco	San Francisco: Mission-San Jose Corridor	fragrant fritillary	0
San Francisco	San Francisco: Mission-San Jose Corridor	hoary bat	106
San Francisco	San Francisco: Mission-San Jose Corridor	robust spineflower	
San Francisco	San Francisco: Mission-San Jose Corridor	rose leptosiphon	
San Francisco	San Francisco: Mission-San Jose Corridor	San Francisco Bay Area leaf-cutter bee	1343
San Francisco	San Francisco: Mission-San Jose Corridor	San Francisco Bay spineflower	
San Francisco	San Francisco: Mission-San Jose Corridor	San Francisco collinsia	
San Francisco	San Francisco: Mission-San Jose Corridor	San Francisco gumplant	0
San Francisco	San Francisco: Mission-San Jose Corridor	San Francisco owl's-clover	0
San Francisco	San Francisco: Mission-San Jose Corridor	sandy beach tiger beetle	
San Francisco	San Francisco: Mission-San Jose Corridor	white seaside tarplant	
San Francisco	San Francisco: Port of San Francisco	adobe sanicle	22
San Francisco	San Francisco: Port of San Francisco	alkali milk-vetch	22
San Francisco	San Francisco: Port of San Francisco	beach layia	383
San Francisco	San Francisco: Port of San Francisco	bristly sedge	
San Francisco	San Francisco: Port of San Francisco	California black rail	62
San Francisco	San Francisco: Port of San Francisco	California clapper rail	
San Francisco	San Francisco: Port of San Francisco	California seablite	
San Francisco	San Francisco: Port of San Francisco	rose leptosiphon	383
San Francisco	San Francisco: Port of San Francisco	San Francisco Bay Area leaf-cutter bee	
San Francisco	San Francisco: Port of San Francisco	San Francisco owl's-clover	
San Francisco	San Francisco: Port of San Francisco	sandy beach tiger beetle	
San Francisco	San Francisco: Port of San Francisco	white seaside tarplant	
San Francisco	San Francisco: Transbay Terminal	beach layia	39
San Francisco	San Francisco: Transbay Terminal	bristly sedge	
San Francisco	San Francisco: Transbay Terminal	rose leptosiphon	

TABLE H-1A: PDAs That May Impact Impact Special-Status Species

<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
San Francisco	San Francisco: Transbay Terminal	San Francisco Bay Area leaf-cutter bee	
San Francisco	San Francisco: Transbay Terminal	sandy beach tiger beetle	
San Francisco	San Francisco: Transbay Terminal	white seaside tarplant	
		San Francisco County Potential Effect	15857
		San Francisco County Urban Land (2008)	146075
		Total San Francisco County Land	525338
<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
San Mateo	Belmont: Villages of Belmont	Alameda song sparrow	53
San Mateo	Belmont: Villages of Belmont	Davidson's bush-mallow	
San Mateo	Belmont: Villages of Belmont	pallid bat	
San Mateo	Belmont: Villages of Belmont	Santa Cruz kangaroo rat	
San Mateo	Burlingame: Burlingame El Camino Real	California clapper rail	236
San Mateo	Burlingame: Burlingame El Camino Real	fragrant fritillary	24
San Mateo	Burlingame: Burlingame El Camino Real	Franciscan onion	456
San Mateo	Burlingame: Burlingame El Camino Real	Hillsborough chocolate lily	
San Mateo	Burlingame: Burlingame El Camino Real	hoary bat	24
San Mateo	Burlingame: Burlingame El Camino Real	pallid bat	211
San Mateo	Daly City: Bayshore	beach layia	133
San Mateo	Daly City: Bayshore	bristly sedge	
San Mateo	Daly City: Bayshore	hoary bat	99
San Mateo	Daly City: Bayshore	Kellogg's horkelia	32
San Mateo	Daly City: Bayshore	robust spineflower	86
San Mateo	Daly City: Bayshore	rose leptosiphon	133
San Mateo	Daly City: Bayshore	San Francisco Bay Area leaf-cutter bee	
San Mateo	Daly City: Bayshore	San Francisco Bay spineflower	53
San Mateo	Daly City: Bayshore	sandy beach tiger beetle	
San Mateo	Daly City: Bayshore	showy rancharia clover	32
San Mateo	Daly City: Bayshore	white seaside tarplant	
San Mateo	Daly City: Mission Boulevard	beach layia	326
San Mateo	Daly City: Mission Boulevard	bristly sedge	
San Mateo	Daly City: Mission Boulevard	callippe silverspot butterfly	54
San Mateo	Daly City: Mission Boulevard	Mission blue butterfly	42
San Mateo	Daly City: Mission Boulevard	rose leptosiphon	326
San Mateo	Daly City: Mission Boulevard	San Francisco Bay Area leaf-cutter bee	
San Mateo	Daly City: Mission Boulevard	San Francisco collinsia	
San Mateo	Daly City: Mission Boulevard	San Francisco gumplant	1
San Mateo	Daly City: Mission Boulevard	San Francisco owl's-clover	
San Mateo	Daly City: Mission Boulevard	sandy beach tiger beetle	
San Mateo	Daly City: Mission Boulevard	short-leaved evax	1
San Mateo	Daly City: Mission Boulevard	Stage's dufourine bee	94
San Mateo	Daly City: Mission Boulevard	white seaside tarplant	
San Mateo	East Palo Alto: Ravenswood	Alameda song sparrow	
San Mateo	East Palo Alto: Ravenswood	California black rail	
San Mateo	East Palo Alto: Ravenswood	California clapper rail	
San Mateo	East Palo Alto: Ravenswood	Congdon's tarplant	
San Mateo	East Palo Alto: Ravenswood	Northern Coastal Salt Marsh	
San Mateo	East Palo Alto: Ravenswood	Point Reyes bird's-beak	
San Mateo	East Palo Alto: Ravenswood	salt-marsh harvest mouse	10
San Mateo	East Palo Alto: Ravenswood	saltmarsh common yellowthroat	
San Mateo	Menlo Park: El Camino Real Corridor and Downtowr	Alameda song sparrow	115
San Mateo	Menlo Park: El Camino Real Corridor and Downtowr	American badger	
San Mateo	Menlo Park: El Camino Real Corridor and Downtowr	California tiger salamander	16
San Mateo	Menlo Park: El Camino Real Corridor and Downtowr	hoary bat	
San Mateo	Menlo Park: El Camino Real Corridor and Downtowr	lost thistle	
San Mateo	Menlo Park: El Camino Real Corridor and Downtowr	Santa Cruz kangaroo rat	
San Mateo	Menlo Park: El Camino Real Corridor and Downtowr	slender-leaved pondweed	16
San Mateo	Menlo Park: El Camino Real Corridor and Downtowr	western pond turtle	
San Mateo	Millbrae: Transit Station Area	pallid bat	67
San Mateo	Redwood City: Downtown	hoary bat	133
San Mateo	Redwood City: Downtown	Santa Cruz kangaroo rat	
San Mateo	Redwood City: Veterans Corridor	hoary bat	
San Mateo	Redwood City: Veterans Corridor	Santa Cruz kangaroo rat	313
San Mateo	Redwood City: Veterans Corridor	western snowy plover	81
San Mateo	San Bruno: Transit Corridors	Alameda song sparrow	348
San Mateo	San Bruno: Transit Corridors	California red-legged frog	9
San Mateo	San Bruno: Transit Corridors	hoary bat	446
San Mateo	San Bruno: Transit Corridors	San Francisco forktail damselfly	
San Mateo	San Francisco/San Mateo Bi-County Area (with San Francisco)	beach layia	470
San Mateo	San Francisco/San Mateo Bi-County Area (with San Francisco)	bristly sedge	
San Mateo	San Francisco/San Mateo Bi-County Area (with San Francisco)	rose leptosiphon	
San Mateo	San Francisco/San Mateo Bi-County Area (with San Francisco)	San Francisco Bay Area leaf-cutter bee	
San Mateo	San Francisco/San Mateo Bi-County Area (with San Francisco)	San Francisco collinsia	41
San Mateo	San Francisco/San Mateo Bi-County Area (with San Francisco)	San Francisco forktail damselfly	268
San Mateo	San Francisco/San Mateo Bi-County Area (with San Francisco)	sandy beach tiger beetle	
San Mateo	San Francisco/San Mateo Bi-County Area (with San Francisco)	white seaside tarplant	
San Mateo	San Mateo: Downtown	Alameda song sparrow	74
San Mateo	San Mateo: Downtown	Franciscan onion	
San Mateo	San Mateo: Downtown	hoary bat	
San Mateo	San Mateo: Downtown	Myrtle's silverspot	74
San Mateo	San Mateo: Downtown	Ricksecker's water scavenger beetle	74
San Mateo	San Mateo: El Camino	Alameda song sparrow	3
San Mateo	San Mateo: El Camino	Davidson's bush-mallow	3
San Mateo	San Mateo: El Camino	pallid bat	3
San Mateo	San Mateo: El Camino	Santa Cruz kangaroo rat	42

TABLE H-1A: PDAs That May Impact Special-Status Species

<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
San Mateo	San Mateo: Rail Corridor	Alameda song sparrow	54
San Mateo	San Mateo: Rail Corridor	Franciscan onion	54
San Mateo	San Mateo: Rail Corridor	hoary bat	54
San Mateo	San Mateo: Rail Corridor	Myrtle's silverspot	
San Mateo	San Mateo: Rail Corridor	Ricksecker's water scavenger beetle	54
San Mateo	San Mateo: Rail Corridor	Santa Cruz kangaroo rat	1
San Mateo	South San Francisco: Downtown	Alameda song sparrow	74
San Mateo	South San Francisco: Downtown	bent-flowered fiddleneck	68
San Mateo	SUB-AREA: CCAG/Colma	beach layia	39
San Mateo	SUB-AREA: CCAG/Colma	bristly sedge	
San Mateo	SUB-AREA: CCAG/Colma	Kellogg's horkelia	296
San Mateo	SUB-AREA: CCAG/Colma	robust spineflower	
San Mateo	SUB-AREA: CCAG/Colma	rose leptosiphon	
San Mateo	SUB-AREA: CCAG/Colma	San Francisco Bay Area leaf-cutter bee	
San Mateo	SUB-AREA: CCAG/Colma	sandy beach tiger beetle	
San Mateo	SUB-AREA: CCAG/Colma	showy rancheria clover	
San Mateo	SUB-AREA: CCAG/Colma	white seaside tarplant	48
San Mateo	SUB-AREA: CCAG/Daly City: Mission Boulevard	beach layia	264
San Mateo	SUB-AREA: CCAG/Daly City: Mission Boulevard	bristly sedge	
San Mateo	SUB-AREA: CCAG/Daly City: Mission Boulevard	hoary bat	239
San Mateo	SUB-AREA: CCAG/Daly City: Mission Boulevard	Kellogg's horkelia	
San Mateo	SUB-AREA: CCAG/Daly City: Mission Boulevard	robust spineflower	
San Mateo	SUB-AREA: CCAG/Daly City: Mission Boulevard	rose leptosiphon	
San Mateo	SUB-AREA: CCAG/Daly City: Mission Boulevard	San Francisco Bay Area leaf-cutter bee	
San Mateo	SUB-AREA: CCAG/Daly City: Mission Boulevard	San Francisco Bay spineflower	71
San Mateo	SUB-AREA: CCAG/Daly City: Mission Boulevard	San Francisco collinsia	0
San Mateo	SUB-AREA: CCAG/Daly City: Mission Boulevard	San Francisco gumplant	
San Mateo	SUB-AREA: CCAG/Daly City: Mission Boulevard	sandy beach tiger beetle	
San Mateo	SUB-AREA: CCAG/Daly City: Mission Boulevard	showy rancheria clover	25
San Mateo	SUB-AREA: CCAG/Daly City: Mission Boulevard	Stage's dufourine bee	6
San Mateo	SUB-AREA: CCAG/Daly City: Mission Boulevard	white seaside tarplant	
San Mateo	SUB-AREA: CCAG/Menlo Park: El Camino Real Corridor and Downtown	Alameda song sparrow	204
San Mateo	SUB-AREA: CCAG/Menlo Park: El Camino Real Corridor and Downtown	American badger	
San Mateo	SUB-AREA: CCAG/Menlo Park: El Camino Real Corridor and Downtown	California tiger salamander	74
San Mateo	SUB-AREA: CCAG/Menlo Park: El Camino Real Corridor and Downtown	hoary bat	
San Mateo	SUB-AREA: CCAG/Menlo Park: El Camino Real Corridor and Downtown	lost thistle	
San Mateo	SUB-AREA: CCAG/Menlo Park: El Camino Real Corridor and Downtown	Santa Cruz kangaroo rat	217
San Mateo	SUB-AREA: CCAG/Menlo Park: El Camino Real Corridor and Downtown	slender-leaved pondweed	
San Mateo	SUB-AREA: CCAG/Menlo Park: El Camino Real Corridor and Downtown	western pond turtle	
San Mateo	SUB-AREA: CCAG/Millbrae: Transit Station Area	California red-legged frog	3
San Mateo	SUB-AREA: CCAG/Millbrae: Transit Station Area	pallid bat	222
San Mateo	SUB-AREA: CCAG/Redwood City: Downtown	hoary bat	263
San Mateo	SUB-AREA: CCAG/Redwood City: Downtown	Santa Cruz kangaroo rat	361
San Mateo	SUB-AREA: CCAG/San Bruno: Transit Corridors	Alameda song sparrow	6
San Mateo	SUB-AREA: CCAG/San Bruno: Transit Corridors	hoary bat	142
San Mateo	SUB-AREA: CCAG/San Carlos: Railroad Corridor	Alameda song sparrow	120
San Mateo	SUB-AREA: CCAG/San Carlos: Railroad Corridor	Davidson's bush-mallow	120
San Mateo	SUB-AREA: CCAG/San Carlos: Railroad Corridor	pallid bat	
San Mateo	SUB-AREA: CCAG/San Carlos: Railroad Corridor	Santa Cruz kangaroo rat	485
San Mateo	SUB-AREA: CCAG/San Mateo County	Alameda song sparrow	47
San Mateo	SUB-AREA: CCAG/San Mateo County	Davidson's bush-mallow	15
San Mateo	SUB-AREA: CCAG/San Mateo County	hoary bat	2
San Mateo	SUB-AREA: CCAG/San Mateo County	pallid bat	15
San Mateo	SUB-AREA: CCAG/San Mateo County	Santa Cruz kangaroo rat	
San Mateo	SUB-AREA: CCAG/San Mateo County	white seaside tarplant	1
San Mateo	SUB-AREA: CCAG/San Mateo County (North Fair Oaks)	hoary bat	25
San Mateo	SUB-AREA: CCAG/San Mateo County (North Fair Oaks)	Santa Cruz kangaroo rat	408
San Mateo	SUB-AREA: CCAG/San Mateo County (Unincorporated Colma)	beach layia	40
San Mateo	SUB-AREA: CCAG/San Mateo County (Unincorporated Colma)	bristly sedge	
San Mateo	SUB-AREA: CCAG/San Mateo County (Unincorporated Colma)	Kellogg's horkelia	
San Mateo	SUB-AREA: CCAG/San Mateo County (Unincorporated Colma)	robust spineflower	
San Mateo	SUB-AREA: CCAG/San Mateo County (Unincorporated Colma)	rose leptosiphon	40
San Mateo	SUB-AREA: CCAG/San Mateo County (Unincorporated Colma)	San Francisco Bay Area leaf-cutter bee	
San Mateo	SUB-AREA: CCAG/San Mateo County (Unincorporated Colma)	sandy beach tiger beetle	
San Mateo	SUB-AREA: CCAG/San Mateo County (Unincorporated Colma)	showy rancheria clover	
San Mateo	SUB-AREA: CCAG/San Mateo County (Unincorporated Colma)	white seaside tarplant	
San Mateo	SUB-AREA: CCAG/San Mateo: Downtown	Alameda song sparrow	417
San Mateo	SUB-AREA: CCAG/San Mateo: Downtown	Davidson's bush-mallow	
San Mateo	SUB-AREA: CCAG/San Mateo: Downtown	Franciscan onion	398
San Mateo	SUB-AREA: CCAG/San Mateo: Downtown	hoary bat	
San Mateo	SUB-AREA: CCAG/San Mateo: Downtown	Myrtle's silverspot	
San Mateo	SUB-AREA: CCAG/San Mateo: Downtown	pallid bat	19
San Mateo	SUB-AREA: CCAG/San Mateo: Downtown	Ricksecker's water scavenger beetle	
San Mateo	SUB-AREA: CCAG/San Mateo: Downtown	Santa Cruz kangaroo rat	149
San Mateo	SUB-AREA: CCAG/South San Francisco	Alameda song sparrow	
San Mateo	SUB-AREA: CCAG/South San Francisco	hoary bat	27
San Mateo	SUB-AREA: CCAG/South San Francisco	Kellogg's horkelia	
San Mateo	SUB-AREA: CCAG/South San Francisco	robust spineflower	90
San Mateo	SUB-AREA: CCAG/South San Francisco	showy rancheria clover	
San Mateo	SUB-AREA: CCAG/South San Francisco	white seaside tarplant	464
		San Mateo County Potential Effect	10746
		San Mateo County Urban Land (2008)	71872
		Total San Mateo County Land	353450

County *PDA* *Species impacted* *Acres*

TABLE H-1A: PDAs That May Impact Impact Special-Status Species

<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
Santa Clara	Campbell: Central Redevelopment Area	California tiger salamander	208
Santa Clara	Campbell: Central Redevelopment Area	Congdon's tarplant	
Santa Clara	Campbell: Central Redevelopment Area	robust spineflower	
Santa Clara	Campbell: VTA City Cores, Corridors & Station Areas	California tiger salamander	80
Santa Clara	Campbell: VTA City Cores, Corridors & Station Areas	Congdon's tarplant	
Santa Clara	Campbell: VTA City Cores, Corridors & Station Areas	hoary bat	0
Santa Clara	Campbell: VTA City Cores, Corridors & Station Areas	robust spineflower	
Santa Clara	Gilroy: Downtown	hoary bat	179
Santa Clara	Gilroy: Downtown	Loma Prieta hoita	
Santa Clara	Gilroy: Downtown	pallid bat	
Santa Clara	Gilroy: VTA City Cores, Corridors & Station Areas	hoary bat	133
Santa Clara	Gilroy: VTA City Cores, Corridors & Station Areas	Loma Prieta hoita	
Santa Clara	Gilroy: VTA City Cores, Corridors & Station Areas	pallid bat	
Santa Clara	Los Altos: VTA City Cores, Corridors & Station Areas	hoary bat	0
Santa Clara	Los Altos: VTA City Cores, Corridors & Station Areas	pallid bat	0
Santa Clara	Los Gatos: VTA City Cores, Corridors & Station Areas	hairless popcornflower	38
Santa Clara	Los Gatos: VTA City Cores, Corridors & Station Areas	hoary bat	54
Santa Clara	Los Gatos: VTA City Cores, Corridors & Station Areas	robust spineflower	
Santa Clara	Milpitas: Transit Area	alkali milk-vetch	0
Santa Clara	Milpitas: Transit Area	burrowing owl	0
Santa Clara	Milpitas: Transit Area	California tiger salamander	117
Santa Clara	Milpitas: Transit Area	robust spineflower	
Santa Clara	Milpitas: VTA City Cores, Corridors & Station Areas	alkali milk-vetch	77
Santa Clara	Milpitas: VTA City Cores, Corridors & Station Areas	burrowing owl	
Santa Clara	Mountain View: Downtown	hoary bat	83
Santa Clara	Mountain View: Downtown	pallid bat	
Santa Clara	Mountain View: El Camino Real Corridor	hoary bat	372
Santa Clara	Mountain View: El Camino Real Corridor	pallid bat	
Santa Clara	Mountain View: North Bayshore	alkali milk-vetch	63
Santa Clara	Mountain View: North Bayshore	burrowing owl	
Santa Clara	Mountain View: North Bayshore	Hoover's button-celery	63
Santa Clara	Palo Alto: California Avenue	Alameda song sparrow	86
Santa Clara	Palo Alto: California Avenue	California tiger salamander	88
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	Alameda song sparrow	211
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	American badger	
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	California tiger salamander	512
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	Franciscan onion	6
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	hoary bat	224
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	lost thistle	335
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	pallid bat	90
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	San Francisco collinsia	
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	Santa Cruz kangaroo rat	197
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	slender-leaved pondweed	
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	western pond turtle	0
Santa Clara	San Jose: Bascom TOD Corridor	California tiger salamander	188
Santa Clara	San Jose: Bascom TOD Corridor	Congdon's tarplant	
Santa Clara	San Jose: Bascom TOD Corridor	robust spineflower	
Santa Clara	San Jose: Bascom Urban Village	California tiger salamander	
Santa Clara	San Jose: Bascom Urban Village	Congdon's tarplant	44
Santa Clara	San Jose: Bascom Urban Village	robust spineflower	
Santa Clara	San Jose: Berryessa Station	California tiger salamander	567
Santa Clara	San Jose: Berryessa Station	Congdon's tarplant	
Santa Clara	San Jose: Berryessa Station	robust spineflower	
Santa Clara	San Jose: Blossom Hill/Snell Urban Village	Congdon's tarplant	52
Santa Clara	San Jose: Camden Urban Village	Congdon's tarplant	
Santa Clara	San Jose: Capitol Corridor Urban Villages	California tiger salamander	192
Santa Clara	San Jose: Capitol Corridor Urban Villages	Congdon's tarplant	
Santa Clara	San Jose: Capitol Corridor Urban Villages	robust spineflower	
Santa Clara	San Jose: Capitol/Tully/King Urban Villages	burrowing owl	39
Santa Clara	San Jose: Capitol/Tully/King Urban Villages	California tiger salamander	233
Santa Clara	San Jose: Capitol/Tully/King Urban Villages	Congdon's tarplant	
Santa Clara	San Jose: Capitol/Tully/King Urban Villages	robust spineflower	
Santa Clara	San Jose: Communications Hill	burrowing owl	9
Santa Clara	San Jose: Communications Hill	California tiger salamander	
Santa Clara	San Jose: Communications Hill	Congdon's tarplant	1330
Santa Clara	San Jose: Communications Hill	Hall's bush-mallow	
Santa Clara	San Jose: Communications Hill	Metcalf Canyon jewel-flower	5
Santa Clara	San Jose: Communications Hill	robust spineflower	
Santa Clara	San Jose: Communications Hill	Santa Clara Valley dudleya	20
Santa Clara	San Jose: Downtown "Frame"	California tiger salamander	1773
Santa Clara	San Jose: Downtown "Frame"	Congdon's tarplant	
Santa Clara	San Jose: Downtown "Frame"	hoary bat	649
Santa Clara	San Jose: Downtown "Frame"	pallid bat	840
Santa Clara	San Jose: Downtown "Frame"	robust spineflower	
Santa Clara	San Jose: Downtown "Frame"	saline clover	
Santa Clara	San Jose: East Santa Clara/Alum Rock Corridor	California tiger salamander	646
Santa Clara	San Jose: East Santa Clara/Alum Rock Corridor	Congdon's tarplant	
Santa Clara	San Jose: East Santa Clara/Alum Rock Corridor	hairless popcornflower	56
Santa Clara	San Jose: East Santa Clara/Alum Rock Corridor	robust spineflower	
Santa Clara	San Jose: Greater Downtown	California tiger salamander	455
Santa Clara	San Jose: Greater Downtown	Congdon's tarplant	
Santa Clara	San Jose: Greater Downtown	hoary bat	391
Santa Clara	San Jose: Greater Downtown	pallid bat	431
Santa Clara	San Jose: Greater Downtown	robust spineflower	
Santa Clara	San Jose: Greater Downtown	saline clover	431

TABLE H-1A: PDAs That May Impact Impact Special-Status Species

<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
Solano	Fairfield: Downtown South (Jefferson Street)	monarch butterfly	73
Solano	Fairfield: Downtown South (Jefferson Street)	Mt. Diablo buckwheat	62
Solano	Fairfield: Downtown South (Jefferson Street)	Northern Claypan Vernal Pool	109
Solano	Fairfield: Downtown South (Jefferson Street)	salt-marsh harvest mouse	8
Solano	Fairfield: Downtown South (Jefferson Street)	slender-leaved pondweed	
Solano	Fairfield: Downtown South (Jefferson Street)	Suisun shrew	109
Solano	Fairfield: Fairfield-Vacaville Train Station	alkali milk-vetch	1099
Solano	Fairfield: Fairfield-Vacaville Train Station	Baker's navarretia	
Solano	Fairfield: Fairfield-Vacaville Train Station	burrowing owl	4
Solano	Fairfield: Fairfield-Vacaville Train Station	California tiger salamander	
Solano	Fairfield: Fairfield-Vacaville Train Station	Carquinez goldenbush	
Solano	Fairfield: Fairfield-Vacaville Train Station	Contra Costa goldfields	110
Solano	Fairfield: Fairfield-Vacaville Train Station	dwarf downingia	
Solano	Fairfield: Fairfield-Vacaville Train Station	San Joaquin spearscale	
Solano	Fairfield: Fairfield-Vacaville Train Station	showy rancheria clover	
Solano	Fairfield: Fairfield-Vacaville Train Station	Swainson's hawk	4
Solano	Fairfield: Fairfield-Vacaville Train Station	vernal pool fairy shrimp	
Solano	Fairfield: North Texas Street Core	legenere	85
Solano	Fairfield: North Texas Street Core	pappose tarplant	131
Solano	Fairfield: West Texas Street Gateway	monarch butterfly	282
Solano	Fairfield: West Texas Street Gateway	Northern Claypan Vernal Pool	193
Solano	Fairfield: West Texas Street Gateway	Suisun shrew	
Solano	Suisun City: Downtown & Waterfront	California linderiella	11
Solano	Suisun City: Downtown & Waterfront	Coastal Brackish Marsh	0
Solano	Suisun City: Downtown & Waterfront	Delta tule pea	
Solano	Suisun City: Downtown & Waterfront	hoary bat	270
Solano	Suisun City: Downtown & Waterfront	legenere	85
Solano	Suisun City: Downtown & Waterfront	Mason's lilaepsis	25
Solano	Suisun City: Downtown & Waterfront	Mt. Diablo buckwheat	
Solano	Suisun City: Downtown & Waterfront	Northern Claypan Vernal Pool	
Solano	Suisun City: Downtown & Waterfront	salt-marsh harvest mouse	2
Solano	Suisun City: Downtown & Waterfront	Suisun Marsh aster	
Solano	Suisun City: Downtown & Waterfront	Suisun shrew	149
Solano	Vacaville: Allison Area	Baker's navarretia	
Solano	Vacaville: Allison Area	showy rancheria clover	7
Solano	Vacaville: Allison Area	vernal pool tadpole shrimp	
Solano	Vacaville: Downtown	Baker's navarretia	127
Solano	Vacaville: Downtown	showy rancheria clover	
Solano	Vallejo: Waterfront & Downtown	Carquinez goldenbush	
Solano	Vallejo: Waterfront & Downtown	fragrant fritillary	155
Solano	Vallejo: Waterfront & Downtown	Northern Coastal Salt Marsh	
Solano	Vallejo: Waterfront & Downtown	osprey	0
Solano	Vallejo: Waterfront & Downtown	soft bird's-beak	148
		Solano County Potential Effect	5143
		Solano County Urban Land (2008)	59157
		Total Solano County Land	582371
<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
Sonoma	Cotati: Downtown and Cotati Depot	California tiger salamander	17
Sonoma	Cotati: Downtown and Cotati Depot	white seaside tarplant	10
Sonoma	Petaluma: Central, Turning Basin/Lower Reach	alkali milk-vetch	426
Sonoma	Petaluma: Central, Turning Basin/Lower Reach	Franciscan onion	
Sonoma	Petaluma: Central, Turning Basin/Lower Reach	Petaluma popcornflower	
Sonoma	Petaluma: Central, Turning Basin/Lower Reach	Point Reyes checkerbloom	
Sonoma	Petaluma: Central, Turning Basin/Lower Reach	round-leaved filaree	
Sonoma	Petaluma: Central, Turning Basin/Lower Reach	Sacramento splittail	1
Sonoma	Petaluma: Central, Turning Basin/Lower Reach	San Pablo song sparrow	294
Sonoma	Petaluma: Central, Turning Basin/Lower Reach	Sonoma spineflower	426
Sonoma	Rohnert Park: Sonoma Mountain Village	California tiger salamander	5
Sonoma	Santa Rosa: North Santa Rosa Station	bent-flowered fiddleneck	5
Sonoma	Santa Rosa: North Santa Rosa Station	Jepson's leptosiphon	181
Sonoma	Santa Rosa: Roseland Area	California linderiella	
Sonoma	Santa Rosa: Roseland Area	California tiger salamander	57
Sonoma	Santa Rosa: Roseland Area	Jepson's leptosiphon	17
Sonoma	Santa Rosa: Roseland Area	saline clover	63
Sonoma	Santa Rosa: Roseland Area	white-tailed kite	5
Sonoma	Santa Rosa: SUB-AREA: Downtown Station Area	bent-flowered fiddleneck	351
Sonoma	Santa Rosa: SUB-AREA: Downtown Station Area	Jepson's leptosiphon	622
Sonoma	Santa Rosa: SUB-AREA: Downtown Station Area	western pond turtle	7
Sonoma	Santa Rosa: SUB-AREA: Downtown Station Area	white sedge	501
Sonoma	Santa Rosa: SUB-AREA: Mendocino Avenue/Santa Rosa Avenue Corridor	bent-flowered fiddleneck	266
Sonoma	Santa Rosa: SUB-AREA: Mendocino Avenue/Santa Rosa Avenue Corridor	Jepson's leptosiphon	352
Sonoma	Santa Rosa: SUB-AREA: Mendocino Avenue/Santa Rosa Avenue Corridor	showy rancheria clover	36
Sonoma	Santa Rosa: SUB-AREA: Mendocino Avenue/Santa Rosa Avenue Corridor	Sonoma canescent manzanita	21
Sonoma	Santa Rosa: SUB-AREA: Mendocino Avenue/Santa Rosa Avenue Corridor	western pond turtle	2
Sonoma	Santa Rosa: SUB-AREA: Mendocino Avenue/Santa Rosa Avenue Corridor	white sedge	73
Sonoma	Santa Rosa: SUB-AREA: Sebastopol Road Corridor	Baker's navarretia	
Sonoma	Santa Rosa: SUB-AREA: Sebastopol Road Corridor	California tiger salamander	56
Sonoma	Santa Rosa: SUB-AREA: Sebastopol Road Corridor	Jepson's leptosiphon	113
Sonoma	Santa Rosa: SUB-AREA: Sebastopol Road Corridor	saline clover	223
Sonoma	Santa Rosa: SUB-AREA: Sebastopol Road Corridor	Sebastopol meadowfoam	
Sonoma	Santa Rosa: SUB-AREA: Sebastopol Road Corridor	showy rancheria clover	
Sonoma	Santa Rosa: SUB-AREA: Sebastopol Road Corridor	white seaside tarplant	2
Sonoma	Santa Rosa: SUB-AREA: Sebastopol Road Corridor	white sedge	95
Sonoma	Sebastopol: Nexus Area	Baker's goldfields	645

TABLE H-1A: PDAs That May Impact Impact Special-Status Species

<i>County</i>	<i>PDA</i>	<i>Species impacted</i>	<i>Acres</i>
Sonoma	Sebastopol: Nexus Area	Burke's goldfields	1
Sonoma	Sebastopol: Nexus Area	oval-leaved viburnum	
Sonoma	Sebastopol: Nexus Area	Peruvian dodder	8
Sonoma	Sebastopol: Nexus Area	Sonoma spineflower	
Sonoma	Sebastopol: Nexus Area	swamp harebell	18
Sonoma	Sebastopol: Nexus Area	thin-lobed horkelia	
Sonoma	Sebastopol: Nexus Area	western pond turtle	1
Sonoma	Windsor: Redevelopment Area	California linderiella	15
Sonoma	Windsor: Redevelopment Area	narrow-anthered brodiaea	
		Sonoma County Potential Effect	4917
		Sonoma County Urban Land (2008)	74742
		Total Sonoma County Land	1026085

Urban Land and Total Land for all counties except San Francisco from California Department of Conservation, Farmland Mapping and Monitoring Program, "2006-2008 California Farmland Conversion Report." Available on the internet at:
http://www.conservation.ca.gov/dlrp/fmmp/pubs/2006-2008/Pages/FMMP_2006-2008_FCR.aspx

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Species

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Alameda	21116	alkali milk-vetch	0.8456
Alameda	21116	California red-legged frog	0.8456
Alameda	21116	California tiger salamander	1.1839
Alameda	21116	caper-fruited tropidocarpum	0.7870
Alameda	21116	foothill yellow-legged frog	0.8456
Alameda	21116	hairless popcornflower	0.8456
Alameda	21116	San Joaquin spearscale	0.8456
Alameda	21116	western pond turtle	0.8456
Alameda	21131	Alameda song sparrow	0.1382
Alameda	21131	California seablite	0.1344
Alameda	21131	mimic tryonia (=California brackishwater snail)	1.1961
Alameda	21131	salt-marsh wandering shrew	1.1961
Alameda	21131	western snowy plover	2.6192
Alameda	21131	woodland woollythreads	0.0708
Alameda	21132	burrowing owl	0.0898
Alameda	21132	California tiger salamander	10.3763
Alameda	21132	tricolored blackbird	0.3660
Alameda	21473	California red-legged frog	0.0886
Alameda	21473	California tiger salamander	0.0825
Alameda	21473	Congdon's tarplant	1.1961
Alameda	21473	prostrate vernal pool navarretia	0.0191
Alameda	21484	tricolored blackbird	0.0751
Alameda	22009	Alameda song sparrow	0.0400
Alameda	22009	alkali milk-vetch	1.1961
Alameda	22009	arcuate bush-mallow	0.0667
Alameda	22009	burrowing owl	1.1961
Alameda	22009	California clapper rail	1.1901
Alameda	22009	California seablite	0.0886
Alameda	22009	California tiger salamander	0.4591
Alameda	22009	Congdon's tarplant	1.1961
Alameda	22009	Contra Costa goldfields	3.1446
Alameda	22009	hairless popcornflower	0.0568
Alameda	22009	Hall's bush-mallow	1.9857
Alameda	22009	hoary bat	0.0580
Alameda	22009	Hoover's button-celery	0.1560
Alameda	22009	mimic tryonia (=California brackishwater snail)	6.1355
Alameda	22009	most beautiful jewel-flower	3.9867
Alameda	22009	Northern Coastal Salt Marsh	2.1594
Alameda	22009	pallid bat	0.5498
Alameda	22009	Point Reyes bird's-beak	0.0863
Alameda	22009	prostrate vernal pool navarretia	1.2483
Alameda	22009	robust spineflower	0.8801
Alameda	22009	saline clover	1.2019
Alameda	22009	salt-marsh harvest mouse	0.5817
Alameda	22009	saltmarsh common yellowthroat	0.8801
Alameda	22009	San Joaquin spearscale	1.4171
Alameda	22009	Santa Cruz tarplant	0.1709
Alameda	22009	slender-leaved pondweed	0.0916
Alameda	22009	steelhead - central California coast DPS	0.8223
Alameda	22009	western mastiff bat	5.5766
Alameda	22009	western snowy plover	1.8641
Alameda	22009	woodland woollythreads	1.8641
Alameda	22013	caper-fruited tropidocarpum	1.8641

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Alameda	22013	curved-foot hygrotus diving beetle	1.8641
Alameda	22063	pallid bat	1.8641
Alameda	22063	western mastiff bat	1.8641
Alameda	22455	Alameda song sparrow	1.8641
Alameda	22455	bent-flowered fiddleneck	1.8448
Alameda	22455	Choris' popcornflower	1.8641
Alameda	22455	hoary bat	0.1489
Alameda	22455	Kellogg's horkelia	0.0919
Alameda	22455	round-leaved filaree	0.0919
Alameda	22455	San Francisco Bay spineflower	0.0919
Alameda	22455	San Joaquin spearscale	0.0919
Alameda	22455	woodland woollythreads	0.0919
Alameda	22509	Alameda song sparrow	0.3281
Alameda	22509	beach layia	0.0919
Alameda	22509	bristly sedge	0.1489
Alameda	22509	double-crested cormorant	0.0919
Alameda	22509	rose leptosiphon	0.0523
Alameda	22509	San Francisco Bay Area leaf-cutter bee	0.2407
Alameda	22509	sandy beach tiger beetle	0.0919
Alameda	22509	white seaside tarplant	0.9237
Alameda	22664	alkali milk-vetch	0.9237
Alameda	22664	California red-legged frog	1.2617
Alameda	22664	California tiger salamander	0.8230
Alameda	22664	caper-fruited tropidocarpum	0.9237
Alameda	22664	foothill yellow-legged frog	0.9237
Alameda	22664	hairless popcornflower	0.9237
Alameda	22664	San Joaquin spearscale	0.9237
Alameda	22664	western pond turtle	0.7344
Alameda	22670	woodland woollythreads	0.0041
Alameda	22776	California tiger salamander	0.0144
Alameda	22776	caper-fruited tropidocarpum	0.6984
Alameda	22776	foothill yellow-legged frog	0.4423
Alameda	22776	tricolored blackbird	0.6008
Alameda	22780	Bay checkerspot butterfly	1.5528
Alameda	22780	beach layia	1.5528
Alameda	22780	bent-flowered fiddleneck	0.5177
Alameda	22780	blue coast gilia	1.5528
Alameda	22780	bristly sedge	1.5528
Alameda	22780	Choris' popcornflower	1.5528
Alameda	22780	Cooper's hawk	1.5528
Alameda	22780	Diablo helianthella	1.7982
Alameda	22780	double-crested cormorant	1.7982
Alameda	22780	fragrant fritillary	4.8262
Alameda	22780	hoary bat	4.8262
Alameda	22780	Kellogg's horkelia	1.0114
Alameda	22780	rose leptosiphon	0.8437
Alameda	22780	round-leaved filaree	4.8262
Alameda	22780	saline clover	4.8262
Alameda	22780	saltmarsh common yellowthroat	1.7982
Alameda	22780	San Francisco Bay Area leaf-cutter bee	4.8262
Alameda	22780	San Francisco Bay spineflower	4.8262
Alameda	22780	San Joaquin spearscale	0.9198
Alameda	22780	sandy beach tiger beetle	0.0782

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Alameda	22780	Santa Clara red ribbons	0.9198
Alameda	22780	white seaside tarplant	0.9198
Alameda	22780	woodland woollythreads	0.9198
Alameda	22990	tricolored blackbird	0.9198
Alameda	230052	hoary bat	0.0581
Alameda	230083	alkali milk-vetch	0.9198
Alameda	230083	California red-legged frog	0.0638
Alameda	230083	California tiger salamander	1.8950
Alameda	230083	caper-fruited tropidocarpum	0.8037
Alameda	230083	foothill yellow-legged frog	1.9029
Alameda	230083	hairless popcornflower	0.4533
Alameda	230083	San Joaquin spearscale	0.3389
Alameda	230083	western pond turtle	0.0894
Alameda	230101	slender-leaved pondweed	0.3389
Alameda	230101	steelhead - central California coast DPS	1.1860
Alameda	230110	tricolored blackbird	1.0987
Alameda	230157	alkali milk-vetch	0.3389
Alameda	230157	California red-legged frog	2.1026
Alameda	230157	caper-fruited tropidocarpum	10.0230
Alameda	230157	foothill yellow-legged frog	2.1026
Alameda	230157	hairless popcornflower	1.9865
Alameda	240003	Alameda song sparrow	1.6531
Alameda	240003	Point Reyes bird's-beak	6.2540
Alameda	240003	Santa Cruz tarplant	6.2540
Alameda	240018	Alameda song sparrow	1.6147
Alameda	240018	alkali milk-vetch	0.3328
Alameda	240018	American badger	10.1131
Alameda	240018	burrowing owl	4.5723
Alameda	240018	California least tern	1.9900
Alameda	240018	California red-legged frog	1.6332
Alameda	240018	California tiger salamander	1.1039
Alameda	240018	Congdon's tarplant	3.9231
Alameda	240018	Contra Costa goldfields	1.6531
Alameda	240018	Franciscan onion	12.0952
Alameda	240018	hoary bat	1.8482
Alameda	240018	lost thistle	2.0034
Alameda	240018	monarch butterfly	5.7149
Alameda	240018	Northern Coastal Salt Marsh	2.0034
Alameda	240018	pallid bat	6.7734
Alameda	240018	saline clover	6.2540
Alameda	240018	salt-marsh wandering shrew	1.2899
Alameda	240018	San Francisco collinsia	6.2540
Alameda	240018	San Joaquin spearscale	0.4623
Alameda	240018	Santa Cruz kangaroo rat	0.8392
Alameda	240018	slender-leaved pondweed	2.1026
Alameda	240018	steelhead - central California coast DPS	6.2540
Alameda	240018	western snowy plover	10.2799
Alameda	240018	white-tailed kite	1.8482
Alameda	240038	hairless popcornflower	0.0324
Alameda	240050	alkali milk-vetch	6.2540
Alameda	240050	California red-legged frog	0.1659
Alameda	240050	California tiger salamander	1.9523
Alameda	240050	caper-fruited tropidocarpum	0.1049

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Species

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Alameda	240050	foothill yellow-legged frog	0.0824
Alameda	240050	hairless popcornflower	0.8812
Alameda	240050	San Joaquin spearscale	0.9522
Alameda	240050	western pond turtle	1.9473
Alameda	240051	Northern Coastal Salt Marsh	0.8636
Alameda	240051	saltmarsh common yellowthroat	0.8636
Alameda	240062	California tiger salamander	0.1169
Alameda	240062	steelhead - central California coast DPS	0.1002
Alameda	240062	tricolored blackbird	0.0991
Alameda	240076	California red-legged frog	0.0838
Alameda	240076	caper-fruited tropidocarpum	0.4500
Alameda	240076	foothill yellow-legged frog	0.6467
Alameda	240076	hairless popcornflower	1.7484
Alameda	240076	western pond turtle	1.7484
Alameda	240077	adobe sanicle	0.4500
Alameda	240077	Alameda Island mole	0.4500
Alameda	240077	Alameda song sparrow	1.7484
Alameda	240077	alkali milk-vetch	1.6962
Alameda	240077	California tiger salamander	0.9047
Alameda	240077	Kellogg's horkelia	0.1646
Alameda	240077	robust spineflower	0.2564
Alameda	240077	saline clover	0.0479
Alameda	240094	California red-legged frog	1.3520
Alameda	240196	California tiger salamander	0.2017
Alameda	240196	caper-fruited tropidocarpum	1.4165
Alameda	240196	foothill yellow-legged frog	1.6962
Alameda	240196	San Joaquin spearscale	1.6938
Alameda	240202	pallid bat	1.8083
Alameda	240202	Santa Cruz tarplant	0.5649
Alameda	240207	Alameda song sparrow	1.4165
Alameda	240207	Point Reyes bird's-beak	10.8630
Alameda	240207	saline clover	1.1111
Alameda	240250	hairless popcornflower	0.0121
Alameda	240254	brittlescale	0.5649
Alameda	240254	California tiger salamander	1.6962
Alameda	240254	caper-fruited tropidocarpum	1.6962
Alameda	240254	Livermore tarplant	1.6962
Alameda	240261	burrowing owl	0.0956
Alameda	240261	hairless popcornflower	1.7415
Alameda	240263	slender-leaved pondweed	0.3251
Alameda	240272	alkali milk-vetch	7.4471
Alameda	240272	burrowing owl	0.3440
Alameda	240272	California clapper rail	1.6962
Alameda	240272	Contra Costa goldfields	0.1132
Alameda	240272	salt-marsh harvest mouse	0.0505
Alameda	240272	salt-marsh wandering shrew	2.0232
Alameda	240272	San Joaquin spearscale	0.9433
Alameda	240350	Bridges' coast range shoulderband	2.9447
Alameda	240350	saline clover	3.1642
Alameda	240372	bent-flowered fiddleneck	1.3541
Alameda	240372	Choris' popcornflower	2.4178
Alameda	240372	hoary bat	0.0959
Alameda	240372	Kellogg's horkelia	1.0511

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Alameda	240372	pallid bat	5.5648
Alameda	240372	round-leaved filaree	2.8586
Alameda	240372	San Francisco Bay spineflower	0.9077
Alameda	240372	San Joaquin spearscale	1.3541
Alameda	240683	hairless popcornflower	0.0750
Alameda	240717	Bridges' coast range shoulderband	3.1038
Alameda	94506	steelhead - central California coast DPS	3.5120
Alameda	98207	Alameda song sparrow	1.5595
Alameda	98207	bent-flowered fiddleneck	1.4683
Alameda	98207	Choris' popcornflower	0.6114
Alameda	98207	hoary bat	1.8522
Alameda	98207	Kellogg's horkelia	1.5595
Alameda	98207	round-leaved filaree	0.3451
Alameda	98207	San Francisco Bay spineflower	5.2320
Alameda	98207	San Joaquin spearscale	2.4912
		Total Alameda County	384.2924
Bay Area Region/Mu	21012	beach layia	0.9258
Bay Area Region/Mu	21012	bristly sedge	0.5679
Bay Area Region/Mu	21012	marsh sandwort	0.9077
Bay Area Region/Mu	21012	Mission blue butterfly	0.8211
Bay Area Region/Mu	21012	rose leptosiphon	2.9009
Bay Area Region/Mu	21012	San Francisco Bay Area leaf-cutter bee	0.1544
Bay Area Region/Mu	21012	sandy beach tiger beetle	0.9205
Bay Area Region/Mu	21012	white seaside tarplant	0.3559
Bay Area Region/Mu	21013	Alameda song sparrow	5.7396
Bay Area Region/Mu	21013	arcuate bush-mallow	3.5665
Bay Area Region/Mu	21013	beach layia	0.1206
Bay Area Region/Mu	21013	bristly sedge	0.0874
Bay Area Region/Mu	21013	Carquinez goldenbush	0.0996
Bay Area Region/Mu	21013	Coastal Brackish Marsh	1.8774
Bay Area Region/Mu	21013	Delta tule pea	2.6682
Bay Area Region/Mu	21013	double-crested cormorant	2.6682
Bay Area Region/Mu	21013	giant garter snake	3.1006
Bay Area Region/Mu	21013	Mason's lilaeopsis	3.1006
Bay Area Region/Mu	21013	Northern Coastal Salt Marsh	0.4801
Bay Area Region/Mu	21013	rose leptosiphon	0.2276
Bay Area Region/Mu	21013	saline clover	0.4801
Bay Area Region/Mu	21013	salt-marsh harvest mouse	0.8131
Bay Area Region/Mu	21013	salt-marsh wandering shrew	3.1006
Bay Area Region/Mu	21013	San Francisco Bay Area leaf-cutter bee	3.1006
Bay Area Region/Mu	21013	San Pablo song sparrow	3.1006
Bay Area Region/Mu	21013	sandy beach tiger beetle	2.3211
Bay Area Region/Mu	21013	soft bird's-beak	0.4801
Bay Area Region/Mu	21013	Suisun Marsh aster	0.4801
Bay Area Region/Mu	21013	western snowy plover	3.1006
Bay Area Region/Mu	21013	white seaside tarplant	0.9381
Bay Area Region/Mu	21320	beach layia	0.9381
Bay Area Region/Mu	21320	bristly sedge	0.9381
Bay Area Region/Mu	21320	marsh sandwort	0.9381
Bay Area Region/Mu	21320	Mission blue butterfly	0.9381
Bay Area Region/Mu	21320	rose leptosiphon	0.9381
Bay Area Region/Mu	21320	San Francisco Bay Area leaf-cutter bee	3.0710
Bay Area Region/Mu	21320	sandy beach tiger beetle	3.5137

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Species

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Bay Area Region/Mt	21320	white seaside tarplant	0.9567
Bay Area Region/Mt	21627	adobe sanicle	3.0710
Bay Area Region/Mt	21627	Alameda song sparrow	0.1450
Bay Area Region/Mt	21627	alkali milk-vetch	1.0456
Bay Area Region/Mt	21627	American badger	0.3607
Bay Area Region/Mt	21627	arcuate bush-mallow	0.3607
Bay Area Region/Mt	21627	beach layia	3.1309
Bay Area Region/Mt	21627	bristly sedge	3.1309
Bay Area Region/Mt	21627	California clapper rail	0.3417
Bay Area Region/Mt	21627	California red-legged frog	0.1072
Bay Area Region/Mt	21627	California tiger salamander	0.6306
Bay Area Region/Mt	21627	Congdon's tarplant	1.0442
Bay Area Region/Mt	21627	Davidson's bush-mallow	0.7581
Bay Area Region/Mt	21627	Diablo helianthella	0.7581
Bay Area Region/Mt	21627	fragrant fritillary	0.7581
Bay Area Region/Mt	21627	Franciscan onion	0.7581
Bay Area Region/Mt	21627	hairless popcornflower	0.1458
Bay Area Region/Mt	21627	hoary bat	0.0858
Bay Area Region/Mt	21627	lost thistle	0.7581
Bay Area Region/Mt	21627	Myrtle's silverspot	0.7581
Bay Area Region/Mt	21627	pallid bat	0.0451
Bay Area Region/Mt	21627	Ricksecker's water scavenger beetle	0.0451
Bay Area Region/Mt	21627	robust spineflower	0.0451
Bay Area Region/Mt	21627	rose leptosiphon	1.3806
Bay Area Region/Mt	21627	saline clover	2.1698
Bay Area Region/Mt	21627	San Francisco Bay Area leaf-cutter bee	2.1698
Bay Area Region/Mt	21627	San Francisco collinsia	2.1061
Bay Area Region/Mt	21627	San Francisco forktail damselfly	0.0054
Bay Area Region/Mt	21627	San Francisco owl's-clover	0.4093
Bay Area Region/Mt	21627	sandy beach tiger beetle	2.1698
Bay Area Region/Mt	21627	Santa Cruz kangaroo rat	2.1698
Bay Area Region/Mt	21627	slender-leaved pondweed	0.4040
Bay Area Region/Mt	21627	Stage's dufourine bee	2.1698
Bay Area Region/Mt	21627	white seaside tarplant	0.0054
Bay Area Region/Mt	22001	alkali milk-vetch	2.1698
Bay Area Region/Mt	22001	American badger	0.1621
Bay Area Region/Mt	22001	bent-flowered fiddleneck	0.1825
Bay Area Region/Mt	22001	burrowing owl	0.3737
Bay Area Region/Mt	22001	California black rail	0.4137
Bay Area Region/Mt	22001	California clapper rail	0.9878
Bay Area Region/Mt	22001	California tiger salamander	1.9819
Bay Area Region/Mt	22001	Coastal Brackish Marsh	0.4137
Bay Area Region/Mt	22001	Franciscan onion	0.4137
Bay Area Region/Mt	22001	Jepson's leptosiphon	1.7571
Bay Area Region/Mt	22001	Marin knotweed	2.2892
Bay Area Region/Mt	22001	Marin western flax	0.6859
Bay Area Region/Mt	22001	mimic tryonia (=California brackishwater snail)	1.7571
Bay Area Region/Mt	22001	Mt. Tamalpais manzanita	1.7571
Bay Area Region/Mt	22001	Napa false indigo	0.2968
Bay Area Region/Mt	22001	Northern Coastal Salt Marsh	2.0873
Bay Area Region/Mt	22001	pallid bat	0.0609
Bay Area Region/Mt	22001	Petaluma popcornflower	0.0959
Bay Area Region/Mt	22001	Point Reyes checkerbloom	1.4279

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Bay Area Region/Mt	22001	round-leaved filaree	4.2095
Bay Area Region/Mt	22001	Sacramento splittail	0.0518
Bay Area Region/Mt	22001	salt-marsh harvest mouse	9.2282
Bay Area Region/Mt	22001	saltmarsh common yellowthroat	0.3374
Bay Area Region/Mt	22001	San Pablo song sparrow	0.1099
Bay Area Region/Mt	22001	soft bird's-beak	2.0014
Bay Area Region/Mt	22001	Sonoma spineflower	0.3648
Bay Area Region/Mt	22001	tidewater goby	1.0868
Bay Area Region/Mt	22001	western pond turtle	0.0363
Bay Area Region/Mt	22001	white seaside tarplant	0.1259
Bay Area Region/Mt	22001	white sedge	0.3411
Bay Area Region/Mt	22042	California tiger salamander	4.3906
Bay Area Region/Mt	22042	steelhead - central California coast DPS	4.3906
Bay Area Region/Mt	22042	tricolored blackbird	2.2475
Bay Area Region/Mt	22511	beach layia	0.0645
Bay Area Region/Mt	22511	bristly sedge	4.3906
Bay Area Region/Mt	22511	rose leptosiphon	4.3906
Bay Area Region/Mt	22511	San Francisco Bay Area leaf-cutter bee	4.3906
Bay Area Region/Mt	22511	sandy beach tiger beetle	4.3906
Bay Area Region/Mt	22511	white seaside tarplant	1.8988
Bay Area Region/Mt	22636	beach layia	0.7658
Bay Area Region/Mt	22636	bristly sedge	0.7658
Bay Area Region/Mt	22636	double-crested cormorant	0.7658
Bay Area Region/Mt	22636	rose leptosiphon	0.7658
Bay Area Region/Mt	22636	San Francisco Bay Area leaf-cutter bee	0.7658
Bay Area Region/Mt	22636	sandy beach tiger beetle	0.7658
Bay Area Region/Mt	22636	white seaside tarplant	0.7658
Bay Area Region/Mt	230088	woodland woollythreads	5.3628
Bay Area Region/Mt	230221	Alameda song sparrow	1.7632
Bay Area Region/Mt	230221	alkali milk-vetch	2.3429
Bay Area Region/Mt	230221	California seablite	2.3429
Bay Area Region/Mt	230221	Carquinez goldenbush	0.2037
Bay Area Region/Mt	230221	fragrant fritillary	2.3429
Bay Area Region/Mt	230221	hoary bat	2.3429
Bay Area Region/Mt	230221	monarch butterfly	2.3429
Bay Area Region/Mt	230221	pallid bat	2.3429
Bay Area Region/Mt	230221	Point Reyes bird's-beak	0.9866
Bay Area Region/Mt	230221	saline clover	0.9866
Bay Area Region/Mt	230221	San Pablo song sparrow	0.9866
Bay Area Region/Mt	230221	Santa Cruz tarplant	0.9866
Bay Area Region/Mt	230221	yellow-headed blackbird	0.9866
Bay Area Region/Mt	230222	alkali milk-vetch	0.9866
Bay Area Region/Mt	230222	bent-flowered fiddleneck	0.8228
Bay Area Region/Mt	230222	Bridges' coast range shoulderband	0.8228
Bay Area Region/Mt	230222	California seablite	0.8228
Bay Area Region/Mt	230222	Choris' popcornflower	0.8228
Bay Area Region/Mt	230222	fragrant fritillary	0.8228
Bay Area Region/Mt	230222	hoary bat	0.8228
Bay Area Region/Mt	230222	Kellogg's horkelia	0.1284
Bay Area Region/Mt	230222	monarch butterfly	0.1284
Bay Area Region/Mt	230222	pallid bat	0.1284
Bay Area Region/Mt	230222	round-leaved filaree	0.2531
Bay Area Region/Mt	230222	saline clover	1.9470

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Bay Area Region/Mt	230222	San Francisco Bay spineflower	0.0619
Bay Area Region/Mt	230222	San Joaquin spearscale	2.0384
Bay Area Region/Mt	230222	San Pablo song sparrow	3.2254
Bay Area Region/Mt	230222	Santa Cruz tarplant	8.2505
Bay Area Region/Mt	230222	yellow-headed blackbird	0.1599
Bay Area Region/Mt	230290	beach layia	1.9822
Bay Area Region/Mt	230290	bristly sedge	0.2907
Bay Area Region/Mt	230290	rose leptosiphon	0.0843
Bay Area Region/Mt	230290	San Francisco Bay Area leaf-cutter bee	0.1376
Bay Area Region/Mt	230290	sandy beach tiger beetle	0.9134
Bay Area Region/Mt	230290	white seaside tarplant	0.9134
Bay Area Region/Mt	230612	beach layia	0.1713
Bay Area Region/Mt	230612	big tarplant	0.9134
Bay Area Region/Mt	230612	Bolander's water-hemlock	0.9134
Bay Area Region/Mt	230612	bristly sedge	0.9134
Bay Area Region/Mt	230612	Carquinez goldenbush	0.9134
Bay Area Region/Mt	230612	Delta smelt	0.6578
Bay Area Region/Mt	230612	double-crested cormorant	0.6105
Bay Area Region/Mt	230612	rose leptosiphon	0.0483
Bay Area Region/Mt	230612	San Francisco Bay Area leaf-cutter bee	1.9867
Bay Area Region/Mt	230612	San Pablo song sparrow	0.0828
Bay Area Region/Mt	230612	sandy beach tiger beetle	0.1563
Bay Area Region/Mt	230612	soft bird's-beak	6.1185
Bay Area Region/Mt	230612	white seaside tarplant	3.9784
Bay Area Region/Mt	230656	Alameda song sparrow	2.1591
Bay Area Region/Mt	230656	alkali milk-vetch	0.5477
Bay Area Region/Mt	230656	California seablite	0.0890
Bay Area Region/Mt	230656	fragrant fritillary	2.2176
Bay Area Region/Mt	230656	hoary bat	1.6176
Bay Area Region/Mt	230656	monarch butterfly	0.4080
Bay Area Region/Mt	230656	pallid bat	0.4080
Bay Area Region/Mt	230656	Point Reyes bird's-beak	1.6403
Bay Area Region/Mt	230656	saline clover	0.1362
Bay Area Region/Mt	230656	San Pablo song sparrow	2.3294
Bay Area Region/Mt	230656	Santa Cruz tarplant	0.3536
Bay Area Region/Mt	230656	yellow-headed blackbird	0.1701
Bay Area Region/Mt	230657	Carquinez goldenbush	1.9158
Bay Area Region/Mt	230657	San Pablo song sparrow	2.0524
Bay Area Region/Mt	230658	Carquinez goldenbush	0.0146
Bay Area Region/Mt	230658	Suisun shrew	1.9158
Bay Area Region/Mt	230659	California red-legged frog	2.0524
Bay Area Region/Mt	230659	Suisun shrew	0.0943
Bay Area Region/Mt	230660	monarch butterfly	0.4747
Bay Area Region/Mt	230660	pappose tarplant	3.4879
Bay Area Region/Mt	230660	Suisun shrew	2.1538
Bay Area Region/Mt	230660	Suisun song sparrow	2.0524
Bay Area Region/Mt	230666	burrowing owl	2.0524
Bay Area Region/Mt	230666	California red-legged frog	1.9158
Bay Area Region/Mt	230666	caper-fruited tropidocarpum	2.0524
Bay Area Region/Mt	230666	curved-foot hygrotus diving beetle	0.3837
Bay Area Region/Mt	230666	diamond-petaled California poppy	0.0897
Bay Area Region/Mt	230666	round-leaved filaree	1.9158
Bay Area Region/Mt	230666	San Joaquin kit fox	2.0524

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Bay Area Region/Mt	230668	alkali milk-vetch	2.0524
Bay Area Region/Mt	230668	California tiger salamander	1.9158
Bay Area Region/Mt	230668	hairless popcornflower	0.3323
Bay Area Region/Mt	230668	hoary bat	1.9158
Bay Area Region/Mt	230668	pallid bat	3.4318
Bay Area Region/Mt	230668	salt-marsh harvest mouse	0.0822
Bay Area Region/Mt	230668	steelhead - central California coast DPS	2.4389
Bay Area Region/Mt	230668	tricolored blackbird	2.4389
Bay Area Region/Mt	230668	woodland woollythreads	0.2643
Bay Area Region/Mt	230672	Alameda song sparrow	1.2922
Bay Area Region/Mt	230672	alkali milk-vetch	0.2475
Bay Area Region/Mt	230672	California clapper rail	0.7915
Bay Area Region/Mt	230672	double-crested cormorant	6.1484
Bay Area Region/Mt	230672	hairless popcornflower	1.9623
Bay Area Region/Mt	230672	hoary bat	6.1484
Bay Area Region/Mt	230672	pallid bat	2.4752
Bay Area Region/Mt	230673	monarch butterfly	2.4752
Bay Area Region/Mt	230673	white-tailed kite	0.3541
Bay Area Region/Mt	230685	Antioch efferian robberfly	2.4752
Bay Area Region/Mt	230685	big tarplant	0.5004
Bay Area Region/Mt	230685	California tiger salamander	0.2300
Bay Area Region/Mt	230685	Carquinez goldenbush	1.9863
Bay Area Region/Mt	230685	Congdon's tarplant	0.0270
Bay Area Region/Mt	230685	Contra Costa goldfields	0.1447
Bay Area Region/Mt	230685	pallid bat	6.0978
Bay Area Region/Mt	230685	San Joaquin spearscale	4.0127
Bay Area Region/Mt	230685	soft bird's-beak	0.9368
Bay Area Region/Mt	230685	Suisun song sparrow	0.5360
Bay Area Region/Mt	230685	tricolored blackbird	0.0927
Bay Area Region/Mt	230686	Carquinez goldenbush	2.2479
Bay Area Region/Mt	230686	Coastal Brackish Marsh	2.7944
Bay Area Region/Mt	230686	pappose tarplant	0.1376
Bay Area Region/Mt	230686	saline clover	0.5020
Bay Area Region/Mt	230686	salt-marsh harvest mouse	0.1633
Bay Area Region/Mt	230686	Suisun Marsh aster	0.0986
Bay Area Region/Mt	230686	Suisun shrew	1.0606
Bay Area Region/Mt	230686	Suisun song sparrow	0.7183
Bay Area Region/Mt	230712	beach layia	0.8431
Bay Area Region/Mt	230712	bristly sedge	3.9807
Bay Area Region/Mt	230712	marsh sandwort	3.9807
Bay Area Region/Mt	230712	Mission blue butterfly	2.3179
Bay Area Region/Mt	230712	rose leptosiphon	3.9807
Bay Area Region/Mt	230712	San Francisco Bay Area leaf-cutter bee	3.9807
Bay Area Region/Mt	230712	sandy beach tiger beetle	3.9807
Bay Area Region/Mt	230712	white seaside tarplant	3.9807
Bay Area Region/Mt	240059	chaparral harebell	9.0457
Bay Area Region/Mt	240059	hairless popcornflower	0.4720
Bay Area Region/Mt	240059	tricolored blackbird	9.0457
Bay Area Region/Mt	240061	chaparral harebell	1.6705
Bay Area Region/Mt	240061	hairless popcornflower	0.4720
Bay Area Region/Mt	240061	tricolored blackbird	0.0472
Bay Area Region/Mt	240581	Baker's navarretia	0.4720
Bay Area Region/Mt	240581	pappose tarplant	9.0457

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Bay Area Region/Multi-County	240581	saline clover	0.4720
Bay Area Region/Multi-County	240581	showy rancheria clover	9.0457
Bay Area Region/Multi-County	240583	burrowing owl	2.7532
Bay Area Region/Multi-County	240583	Swainson's hawk	0.0472
Bay Area Region/Multi-County	240583	vernal pool fairy shrimp	9.0457
Bay Area Region/Multi-County	240587	big tarplant	9.0457
Bay Area Region/Multi-County	240587	California tiger salamander	0.8149
Bay Area Region/Multi-County	240587	Carquinez goldenbush	0.8149
Bay Area Region/Multi-County	240587	Congdon's tarplant	0.7903
Bay Area Region/Multi-County	240587	Contra Costa goldfields	0.7667
Bay Area Region/Multi-County	240587	pallid bat	0.8149
Bay Area Region/Multi-County	240587	soft bird's-beak	0.7667
Bay Area Region/Multi-County	240587	Suisun song sparrow	0.9430
Bay Area Region/Multi-County	240587	tricolored blackbird	0.9430
Bay Area Region/Multi-County	240588	big tarplant	0.1982
Bay Area Region/Multi-County	240588	California tiger salamander	0.9430
Bay Area Region/Multi-County	240588	Carquinez goldenbush	0.1982
Bay Area Region/Multi-County	240588	Congdon's tarplant	0.4540
Bay Area Region/Multi-County	240588	Contra Costa goldfields	3.5800
Bay Area Region/Multi-County	240588	pallid bat	3.5800
Bay Area Region/Multi-County	240588	Suisun song sparrow	2.3886
Bay Area Region/Multi-County	240588	tricolored blackbird	1.9004
Bay Area Region/Multi-County	240736	Burke's goldfields	1.7403
Bay Area Region/Multi-County	240736	California linderiella	3.5169
Bay Area Region/Multi-County	240736	dwarf downingia	1.9004
Bay Area Region/Multi-County	240736	Marin western flax	1.8743
Bay Area Region/Multi-County	240736	marsh microseris	0.2852
Bay Area Region/Multi-County	240736	narrow-anthered brodiaea	2.6542
Bay Area Region/Multi-County	240736	Navarro roach	2.5913
Bay Area Region/Multi-County	240736	pallid bat	3.7306
Bay Area Region/Multi-County	240736	Sonoma sunshine	3.9349
Bay Area Region/Multi-County	240736	western pond turtle	1.9899
Bay Area Region/Multi-County	240736	white-rayed pentachaeta	1.0297
Bay Area Region/Multi-County	240736	white seaside tarplant	1.7775
Bay Area Region/Multi-County	94089	beach layia	1.4026
Bay Area Region/Multi-County	94089	blue coast gilia	0.6264
Bay Area Region/Multi-County	94089	bristly sedge	0.8523
Bay Area Region/Multi-County	94089	dark-eyed gilia	1.4026
Bay Area Region/Multi-County	94089	Franciscan manzanita	1.5368
Bay Area Region/Multi-County	94089	marsh microseris	3.3750
Bay Area Region/Multi-County	94089	marsh sandwort	1.4026
Bay Area Region/Multi-County	94089	Presidio clarkia	0.0884
Bay Area Region/Multi-County	94089	Presidio manzanita	3.9966
Bay Area Region/Multi-County	94089	rose leptosiphon	1.4026
Bay Area Region/Multi-County	94089	round-headed Chinese-houses	3.4604
Bay Area Region/Multi-County	94089	San Francisco Bay Area leaf-cutter bee	1.4026
Bay Area Region/Multi-County	94089	San Francisco gumplant	1.4026
Bay Area Region/Multi-County	94089	sandy beach tiger beetle	4.2491
Bay Area Region/Multi-County	94089	white seaside tarplant	1.2980
Total Bay Area Region/Multi-County			501.1827
Contra Costa	21211	big tarplant	2.1020
Contra Costa	21211	California tiger salamander	0.0179
Contra Costa	21211	Contra Costa goldfields	0.4804

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Contra Costa	21211	diamond-petaled California poppy	1.7214
Contra Costa	21211	Hoover's cryptantha	0.4370
Contra Costa	21211	Mt. Diablo buckwheat	0.4370
Contra Costa	21211	round-leaved filaree	0.5313
Contra Costa	21211	silvery legless lizard	0.5149
Contra Costa	21211	Suisun song sparrow	0.7727
Contra Costa	21211	western red bat	0.2325
Contra Costa	21214	Antioch Dunes halcetid bee	0.2325
Contra Costa	21214	big tarplant	0.2325
Contra Costa	21214	California tiger salamander	0.2325
Contra Costa	21214	Contra Costa goldfields	0.2325
Contra Costa	21214	diamond-petaled California poppy	0.2325
Contra Costa	21214	Hoover's cryptantha	0.2325
Contra Costa	21214	Hurd's metapogon robberfly	0.2325
Contra Costa	21214	Mt. Diablo buckwheat	0.2325
Contra Costa	21214	redheaded sphecid wasp	6.0343
Contra Costa	21214	round-leaved filaree	0.5524
Contra Costa	21214	San Joaquin dune beetle	6.0343
Contra Costa	21214	silvery legless lizard	0.9148
Contra Costa	21214	western red bat	0.9148
Contra Costa	22122	beach layia	0.0832
Contra Costa	22122	bristly sedge	0.4797
Contra Costa	22122	rose leptosiphon	0.2612
Contra Costa	22122	San Francisco Bay Area leaf-cutter bee	0.4797
Contra Costa	22122	sandy beach tiger beetle	0.4797
Contra Costa	22122	white seaside tarplant	1.2237
Contra Costa	22351	big tarplant	1.2237
Contra Costa	22351	California tiger salamander	1.2237
Contra Costa	22351	Congdon's tarplant	1.2237
Contra Costa	22351	Contra Costa goldfields	1.2237
Contra Costa	22351	pallid bat	1.2237
Contra Costa	22353	big tarplant	0.6390
Contra Costa	22353	California tiger salamander	0.3658
Contra Costa	22353	Congdon's tarplant	0.1924
Contra Costa	22353	Contra Costa goldfields	1.7349
Contra Costa	22353	pallid bat	0.3651
Contra Costa	22400	Alkali Meadow	0.5694
Contra Costa	22400	big tarplant	0.7088
Contra Costa	22400	burrowing owl	0.0154
Contra Costa	22400	California red-legged frog	0.6575
Contra Costa	22400	California tiger salamander	0.0617
Contra Costa	22400	caper-fruited tropidocarpum	0.4171
Contra Costa	22400	curved-foot hygrotus diving beetle	1.7822
Contra Costa	22400	diamond-petaled California poppy	0.3428
Contra Costa	22400	Northern Claypan Vernal Pool	0.4118
Contra Costa	22400	recurved larkspur	0.4118
Contra Costa	22400	San Joaquin kit fox	0.6246
Contra Costa	22400	San Joaquin pocket mouse	0.4185
Contra Costa	22400	San Joaquin spearscale	0.4185
Contra Costa	22400	Swainson's hawk	0.4185
Contra Costa	22400	tricolored blackbird	0.4095
Contra Costa	22400	Valley Sink Scrub	0.4095
Contra Costa	22602	Antioch efferian robberfly	9.8272

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Contra Costa	22602	pallid bat	9.8272
Contra Costa	22602	San Joaquin spearscale	3.7148
Contra Costa	22604	American badger	4.4265
Contra Costa	22604	big tarplant	9.8272
Contra Costa	22604	brittlescale	4.4265
Contra Costa	22604	California red-legged frog	2.9756
Contra Costa	22604	California tiger salamander	1.3108
Contra Costa	22604	diamond-petaled California poppy	2.9756
Contra Costa	22604	golden eagle	0.2093
Contra Costa	22604	San Joaquin kit fox	0.2093
Contra Costa	22604	San Joaquin spearscale	1.5687
Contra Costa	22604	stinkbells	1.1836
Contra Costa	22604	tricolored blackbird	0.9807
Contra Costa	22637	California tiger salamander	0.9807
Contra Costa	22637	Congdon's tarplant	0.6904
Contra Costa	230205	burrowing owl	0.6904
Contra Costa	230232	burrowing owl	0.0774
Contra Costa	230232	silvery legless lizard	0.2788
Contra Costa	230236	big tarplant	0.6904
Contra Costa	230238	big tarplant	0.6904
Contra Costa	230238	Suisun song sparrow	0.6904
Contra Costa	230239	Congdon's tarplant	0.6904
Contra Costa	230240	California tiger salamander	1.8282
Contra Costa	230240	Congdon's tarplant	1.8282
Contra Costa	230253	big tarplant	0.4813
Contra Costa	230253	California tiger salamander	0.9760
Contra Costa	230253	Contra Costa goldfields	1.1797
Contra Costa	230253	diamond-petaled California poppy	3.0437
Contra Costa	230253	Hoover's cryptantha	3.8520
Contra Costa	230253	Mt. Diablo buckwheat	2.2504
Contra Costa	230253	round-leaved filaree	1.8849
Contra Costa	230253	silvery legless lizard	0.7299
Contra Costa	230253	western red bat	2.0799
Contra Costa	230274	silvery legless lizard	3.1839
Contra Costa	230289	Antioch andrenid bee	5.9974
Contra Costa	230289	Bolander's water-hemlock	0.6612
Contra Costa	230289	curved-foot hygrotus diving beetle	0.0778
Contra Costa	230289	Suisun Marsh aster	0.0469
Contra Costa	230307	California horned lark	0.0071
Contra Costa	230307	white-tailed kite	0.0071
Contra Costa	230308	Diablo helianthella	0.0071
Contra Costa	230318	San Pablo song sparrow	0.4198
Contra Costa	230535	big tarplant	0.0500
Contra Costa	230535	Brewer's western flax	0.0500
Contra Costa	230535	California red-legged frog	0.0958
Contra Costa	230535	California tiger salamander	0.1130
Contra Costa	230535	Mt. Diablo buckwheat	0.0504
Contra Costa	230535	Mt. Diablo fairy-lantern	0.0500
Contra Costa	230535	Mt. Diablo manzanita	2.9180
Contra Costa	230535	round-leaved filaree	1.9085
Contra Costa	230535	San Joaquin kit fox	1.7559
Contra Costa	230535	slender silver moss	2.6717
Contra Costa	230535	western pond turtle	1.9085

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Species

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Contra Costa	230538	burrowing owl	1.8640
Contra Costa	230538	California tiger salamander	0.2488
Contra Costa	230542	pallid bat	2.6616
Contra Costa	230542	San Pablo song sparrow	2.9494
Contra Costa	230542	yellow-headed blackbird	3.7271
Contra Costa	230597	Alameda song sparrow	3.7540
Contra Costa	230597	alkali milk-vetch	1.9892
Contra Costa	230597	California seablite	1.0564
Contra Costa	230597	Carquinez goldenbush	1.0183
Contra Costa	230597	fragrant fritillary	0.7240
Contra Costa	230597	hoary bat	0.7240
Contra Costa	230597	monarch butterfly	1.0183
Contra Costa	230597	pallid bat	11.2547
Contra Costa	230597	Point Reyes bird's-beak	0.2244
Contra Costa	230597	saline clover	0.1055
Contra Costa	230597	San Pablo song sparrow	1.0183
Contra Costa	230597	Santa Cruz tarplant	1.0183
Contra Costa	230597	yellow-headed blackbird	0.5801
Contra Costa	230613	beach layia	1.0183
Contra Costa	230613	bristly sedge	1.8616
Contra Costa	230613	rose leptosiphon	1.0183
Contra Costa	230613	San Francisco Bay Area leaf-cutter bee	1.0314
Contra Costa	230613	sandy beach tiger beetle	1.0314
Contra Costa	230613	white seaside tarplant	1.0314
Contra Costa	240641	Carquinez goldenbush	1.0314
Contra Costa	240641	San Pablo song sparrow	1.0314
Contra Costa	98115	Antioch Dunes evening-primrose	1.0314
Contra Costa	98133	Bridges' coast range shoulderband	0.0980
Contra Costa	98133	California tiger salamander	0.0980
Contra Costa	98133	Congdon's tarplant	0.0980
Contra Costa	98134	Congdon's tarplant	0.0980
Contra Costa	98196	American badger	2.6019
Contra Costa	98196	Berkeley kangaroo rat	1.9048
Contra Costa	98196	pallid bat	1.7499
Contra Costa	98999	big tarplant	1.9048
Contra Costa	98999	burrowing owl	1.8688
Contra Costa	98999	California tiger salamander	0.2668
Contra Costa	98999	Contra Costa goldfields	2.6606
Contra Costa	98999	diamond-petaled California poppy	2.6664
Contra Costa	98999	Hoover's cryptantha	3.7288
Contra Costa	98999	Mt. Diablo buckwheat	2.6505
Contra Costa	98999	round-leaved filaree	1.9918
Contra Costa	98999	silvery legless lizard	1.0470
Contra Costa	98999	western red bat	2.7402
Contra Costa County			219.3121
Marin	21325	marsh microseris	1.1615
Marin	240039	Mt. Tamalpais manzanita	7.0905
Marin	240039	San Pablo song sparrow	2.6573
Marin	240691	American badger	0.3762
Marin	240691	Marin knotweed	0.6281
Marin	240691	Mt. Tamalpais manzanita	3.1308
Marin	240691	Napa false indigo	3.4419
Marin	240691	San Pablo song sparrow	3.0151

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Species

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Marin	240691	tidewater goby	3.0151
Marin	98154	Mt. Tamalpais manzanita	0.3203
Marin	98154	San Pablo song sparrow	0.0796
Marin	98154	tidewater goby	4.7003
Marin	98154	white seaside tarplant	0.1078
Total Marin County			29.7245
Napa	230381	Clara Hunt's milk-vetch	0.0309
Napa	230381	Greene's narrow-leaved daisy	0.6991
Napa	230392	ferruginous hawk	0.2000
Napa	240057X	dwarf downingia	0.9967
Napa	240057X	ferruginous hawk	0.5214
Napa	240057X	showy rancheria clover	1.6915
Napa	240057X	Swainson's hawk	1.9800
Napa	240617	American badger	1.7097
Napa	240617	An isopod	0.1122
Napa	240617	California clapper rail	0.1629
Napa	240617	dwarf downingia	0.7404
Napa	240617	ferruginous hawk	2.0975
Napa	240617	fragrant fritillary	0.5825
Napa	240617	legenere	2.0358
Napa	240617	Mason's lilaeopsis	0.3602
Napa	240617	Northern Coastal Salt Marsh	0.1269
Napa	240617	pallid bat	2.0358
Napa	240617	salt-marsh harvest mouse	0.3887
Napa	240617	saltmarsh common yellowthroat	1.7468
Napa	240617	San Pablo song sparrow	0.2157
Napa	240617	showy rancheria clover	0.5261
Napa	240617	soft bird's-beak	2.1458
Napa	240617	Swainson's hawk	1.7549
Napa	240617	western pond turtle	4.1682
Total Napa County			27.0297
San Francisco	21510	beach layia	0.7287
San Francisco	21510	bristly sedge	3.0702
San Francisco	21510	California black rail	1.7549
San Francisco	21510	rose leptosiphon	5.0414
San Francisco	21510	San Francisco Bay Area leaf-cutter bee	2.1458
San Francisco	21510	sandy beach tiger beetle	0.1427
San Francisco	21510	white seaside tarplant	0.3383
San Francisco	21549	adobe sanicle	0.1873
San Francisco	21549	alkali milk-vetch	3.3395
San Francisco	21549	beach layia	0.3950
San Francisco	21549	bristly sedge	1.1776
San Francisco	21549	Diablo helianthella	11.7839
San Francisco	21549	fragrant fritillary	0.0590
San Francisco	21549	rose leptosiphon	0.0944
San Francisco	21549	San Francisco Bay Area leaf-cutter bee	1.1434
San Francisco	21549	San Francisco owl's-clover	3.3051
San Francisco	21549	sandy beach tiger beetle	0.7112
San Francisco	21549	white seaside tarplant	0.7112
San Francisco	22415	beach layia	1.0477
San Francisco	22415	bristly sedge	0.5972
San Francisco	22415	California black rail	0.7112
San Francisco	22415	monarch butterfly	0.7112

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
San Francisco	22415	rose leptosiphon	0.7112
San Francisco	22415	San Francisco Bay Area leaf-cutter bee	0.7112
San Francisco	22415	sandy beach tiger beetle	0.0676
San Francisco	22415	white seaside tarplant	0.0676
San Francisco	22512	beach layia	0.0763
San Francisco	22512	bristly sedge	1.8196
San Francisco	22512	rose leptosiphon	2.2322
San Francisco	22512	San Francisco Bay Area leaf-cutter bee	1.2096
San Francisco	22512	sandy beach tiger beetle	2.5059
San Francisco	22512	white seaside tarplant	0.1866
San Francisco	230161	beach layia	0.4413
San Francisco	230161	bristly sedge	4.8524
San Francisco	230161	California black rail	1.8931
San Francisco	230161	rose leptosiphon	2.2322
San Francisco	230161	San Francisco Bay Area leaf-cutter bee	2.2082
San Francisco	230161	sandy beach tiger beetle	3.7435
San Francisco	230161	white seaside tarplant	2.5923
San Francisco	230164	beach layia	0.2433
San Francisco	230164	blue coast gilia	0.0823
San Francisco	230164	bristly sedge	1.1440
San Francisco	230164	California black rail	0.1084
San Francisco	230164	dark-eyed gilia	0.3137
San Francisco	230164	Kellogg's horkelia	1.1440
San Francisco	230164	marsh microseris	2.2322
San Francisco	230164	rose leptosiphon	8.3546
San Francisco	230164	round-headed Chinese-houses	3.8731
San Francisco	230164	San Francisco Bay Area leaf-cutter bee	0.1316
San Francisco	230164	San Francisco Bay spineflower	1.5372
San Francisco	230164	San Francisco gumplant	0.5423
San Francisco	230164	sandy beach tiger beetle	8.5340
San Francisco	230164	white seaside tarplant	1.9908
San Francisco	230490	beach layia	0.5375
San Francisco	230490	bristly sedge	0.5375
San Francisco	230490	California clapper rail	1.0084
San Francisco	230490	Mission blue butterfly	1.2813
San Francisco	230490	rose leptosiphon	1.9958
San Francisco	230490	San Francisco Bay Area leaf-cutter bee	3.9505
San Francisco	230490	sandy beach tiger beetle	8.2188
San Francisco	230490	white seaside tarplant	2.0438
San Francisco	240147	beach layia	1.2813
San Francisco	240147	bristly sedge	1.9518
San Francisco	240147	Diablo helianthella	4.5698
San Francisco	240147	Mission blue butterfly	1.9518
San Francisco	240147	rose leptosiphon	2.0438
San Francisco	240147	San Francisco Bay Area leaf-cutter bee	0.5375
San Francisco	240147	sandy beach tiger beetle	0.5375
San Francisco	240147	white seaside tarplant	0.5717
San Francisco	240155	beach layia	0.5375
San Francisco	240155	bristly sedge	10.3207
San Francisco	240155	Presidio manzanita	2.0438
San Francisco	240155	rose leptosiphon	1.2813
San Francisco	240155	San Francisco Bay Area leaf-cutter bee	0.0929
San Francisco	240155	sandy beach tiger beetle	2.3877

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
San Francisco	240155	white seaside tarplant	8.5825
San Francisco	240158	adobe sanicle	2.1062
San Francisco	240158	alkali milk-vetch	2.0619
San Francisco	240158	beach layia	2.0619
San Francisco	240158	bristly sedge	1.0018
San Francisco	240158	rose leptosiphon	1.0582
San Francisco	240158	San Francisco Bay Area leaf-cutter bee	1.9933
San Francisco	240158	San Francisco owl's-clover	3.9498
San Francisco	240158	sandy beach tiger beetle	9.5050
San Francisco	240158	white seaside tarplant	2.0473
San Francisco	240171	adobe sanicle	1.0582
San Francisco	240171	alkali milk-vetch	1.9511
San Francisco	240171	American badger	4.2323
San Francisco	240171	bank swallow	1.9511
San Francisco	240171	beach layia	2.7086
San Francisco	240171	blue coast gilia	2.0619
San Francisco	240171	bristly sedge	2.0619
San Francisco	240171	bumblebee scarab beetle	0.6613
San Francisco	240171	California black rail	0.2394
San Francisco	240171	Choris' popcornflower	2.0619
San Francisco	240171	dark-eyed gilia	10.1011
San Francisco	240171	Diablo helianthella	2.0473
San Francisco	240171	Franciscan manzanita	1.0582
San Francisco	240171	hoary bat	0.0997
San Francisco	240171	marsh microseris	3.9268
San Francisco	240171	Mission blue butterfly	1.4074
San Francisco	240171	Presidio manzanita	0.6608
San Francisco	240171	robust spineflower	0.6608
San Francisco	240171	rose leptosiphon	1.9866
San Francisco	240171	round-headed Chinese-houses	0.0335
San Francisco	240171	San Francisco Bay Area leaf-cutter bee	0.1453
San Francisco	240171	San Francisco Bay spineflower	6.1065
San Francisco	240171	San Francisco collinsia	4.0087
San Francisco	240171	San Francisco lessingia	0.9335
San Francisco	240171	San Francisco owl's-clover	0.5350
San Francisco	240171	San Francisco popcornflower	0.0925
San Francisco	240171	sandy beach tiger beetle	0.0661
San Francisco	240171	short-leaved evax	0.0654
San Francisco	240171	white seaside tarplant	0.3729
San Francisco	240259	adobe sanicle	0.3334
San Francisco	240259	alkali milk-vetch	0.2051
San Francisco	240259	beach layia	0.0787
San Francisco	240259	bristly sedge	0.3826
San Francisco	240259	rose leptosiphon	0.8460
San Francisco	240259	San Francisco Bay Area leaf-cutter bee	0.5685
San Francisco	240259	San Francisco owl's-clover	0.8998
San Francisco	240259	sandy beach tiger beetle	11.0422
San Francisco	240259	white seaside tarplant	0.8998
San Francisco	240328	beach layia	7.8913
San Francisco	240328	bristly sedge	1.2764
San Francisco	240328	Mission blue butterfly	7.8913
San Francisco	240328	robust spineflower	4.0600
San Francisco	240328	rose leptosiphon	0.3759

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
San Francisco	240328	San Francisco Bay Area leaf-cutter bee	3.3687
San Francisco	240328	San Francisco Bay spineflower	2.3527
San Francisco	240328	San Francisco collinsia	0.0622
San Francisco	240328	San Francisco forktail damselfly	6.1561
San Francisco	240328	sandy beach tiger beetle	6.1511
San Francisco	240328	short-leaved evax	0.9976
San Francisco	240328	white seaside tarplant	2.9152
San Francisco	240334	beach layia	6.9097
San Francisco	240334	bristly sedge	2.9152
San Francisco	240334	rose leptosiphon	7.8913
San Francisco	240334	San Francisco Bay Area leaf-cutter bee	0.6336
San Francisco	240334	San Francisco collinsia	7.8913
San Francisco	240334	sandy beach tiger beetle	0.0799
San Francisco	240334	white seaside tarplant	2.9409
San Francisco	240358	adobe sanicle	7.8913
San Francisco	240358	alkali milk-vetch	8.8640
San Francisco	240358	beach layia	0.1302
San Francisco	240358	bristly sedge	1.5900
San Francisco	240358	fragrant fritillary	7.8913
San Francisco	240358	rose leptosiphon	0.4330
San Francisco	240358	San Francisco Bay Area leaf-cutter bee	0.7944
San Francisco	240358	San Francisco owl's-clover	0.5746
San Francisco	240358	sandy beach tiger beetle	0.4331
San Francisco	240358	white seaside tarplant	0.0997
San Francisco	240523	adobe sanicle	1.7728
San Francisco	240523	alkali milk-vetch	0.0335
San Francisco	240523	beach layia	3.6214
San Francisco	240523	bristly sedge	3.6214
San Francisco	240523	Diablo helianthella	0.7328
San Francisco	240523	fragrant fritillary	0.0923
San Francisco	240523	Mission blue butterfly	1.8964
San Francisco	240523	rose leptosiphon	1.9720
San Francisco	240523	San Francisco Bay Area leaf-cutter bee	2.3345
San Francisco	240523	San Francisco owl's-clover	1.8964
San Francisco	240523	sandy beach tiger beetle	1.8964
San Francisco	240523	white seaside tarplant	1.8964
San Francisco	240545	beach layia	1.8964
San Francisco	240545	bristly sedge	1.8964
San Francisco	240545	compact cobwebby thistle	0.0671
San Francisco	240545	robust spineflower	2.0998
San Francisco	240545	rose leptosiphon	0.5938
San Francisco	240545	San Francisco Bay Area leaf-cutter bee	0.2971
San Francisco	240545	San Francisco Bay spineflower	1.9749
San Francisco	240545	sandy beach tiger beetle	2.4867
San Francisco	240545	white seaside tarplant	0.7453
		Total San Francisco County	384.8675
San Mateo	21604	beach layia	0.2984
San Mateo	21604	bent-flowered fiddleneck	0.2019
San Mateo	21604	bristly sedge	2.0998
San Mateo	21604	rose leptosiphon	1.0534
San Mateo	21604	San Francisco Bay Area leaf-cutter bee	1.2805
San Mateo	21604	sandy beach tiger beetle	0.5938
San Mateo	21604	Stage's dufourine bee	1.9749

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
San Mateo	21604	white seaside tarplant	2.1466
San Mateo	21608	Point Reyes bird's-beak	0.2573
San Mateo	21608	Santa Cruz kangaroo rat	0.2009
San Mateo	21612	Santa Cruz kangaroo rat	7.1028
San Mateo	21613	arcuate bush-mallow	7.1028
San Mateo	21613	Bay checkerspot butterfly	0.3492
San Mateo	21613	coastal marsh milk-vetch	0.9575
San Mateo	21613	double-crested cormorant	1.5320
San Mateo	21613	Franciscan onion	7.1028
San Mateo	21613	Hall's bush-mallow	1.5320
San Mateo	21613	San Francisco Bay spineflower	6.1500
San Mateo	21613	western leatherwood	4.6064
San Mateo	21892	hoary bat	2.2563
San Mateo	21892	Santa Cruz kangaroo rat	1.7071
San Mateo	21893	California red-legged frog	6.1500
San Mateo	21893	San Francisco dusky-footed woodrat	1.7071
San Mateo	22120	beach layia	0.3483
San Mateo	22120	bristly sedge	0.3483
San Mateo	22120	California least tern	2.4560
San Mateo	22120	double-crested cormorant	15.1779
San Mateo	22120	northern harrier	9.8944
San Mateo	22120	Point Reyes bird's-beak	0.3475
San Mateo	22120	rose leptosiphon	0.0915
San Mateo	22120	San Francisco Bay Area leaf-cutter bee	2.4560
San Mateo	22120	sandy beach tiger beetle	6.7149
San Mateo	22120	Santa Cruz kangaroo rat	1.0962
San Mateo	22120	short-eared owl	4.9387
San Mateo	22120	western snowy plover	12.2752
San Mateo	22120	white seaside tarplant	2.0127
San Mateo	22227	beach layia	1.1598
San Mateo	22227	bristly sedge	1.3030
San Mateo	22227	rose leptosiphon	1.0962
San Mateo	22227	San Francisco Bay Area leaf-cutter bee	0.2353
San Mateo	22227	San Francisco collinsia	0.3579
San Mateo	22227	San Francisco forktail damselfly	3.0220
San Mateo	22227	sandy beach tiger beetle	3.0220
San Mateo	22227	white seaside tarplant	1.9304
San Mateo	22230	Kellogg's horkelia	0.2792
San Mateo	22230	robust spineflower	3.0220
San Mateo	22230	showy rancheria clover	3.0220
San Mateo	22230	white seaside tarplant	3.0220
San Mateo	22232	beach layia	3.0220
San Mateo	22232	bristly sedge	2.1980
San Mateo	22232	hoary bat	2.1980
San Mateo	22232	Kellogg's horkelia	0.0333
San Mateo	22232	robust spineflower	2.1980
San Mateo	22232	rose leptosiphon	2.1980
San Mateo	22232	San Francisco Bay Area leaf-cutter bee	2.1980
San Mateo	22232	San Francisco Bay spineflower	2.1980
San Mateo	22232	sandy beach tiger beetle	1.2863
San Mateo	22232	showy rancheria clover	1.2863
San Mateo	22232	white seaside tarplant	5.9804
San Mateo	22271	California red-legged frog	5.9804

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Species

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
San Mateo	22271	fringed myotis	5.9804
San Mateo	22271	white-rayed pentachaeta	5.9804
San Mateo	22726	Alameda song sparrow	1.2863
San Mateo	22726	California clapper rail	5.9804
San Mateo	22726	San Francisco owl's-clover	5.9804
San Mateo	230428	hoary bat	1.1466
San Mateo	230428	Santa Cruz kangaroo rat	7.6219
San Mateo	230428	western snowy plover	7.6219
San Mateo	230592	Alameda song sparrow	1.1466
San Mateo	230592	California black rail	2.3393
San Mateo	230592	California clapper rail	2.0123
San Mateo	230592	Northern Coastal Salt Marsh	7.6219
San Mateo	230592	Point Reyes bird's-beak	2.0123
San Mateo	230592	saltmarsh common yellowthroat	0.3745
San Mateo	240026	Alameda song sparrow	0.7820
San Mateo	240026	American badger	1.5979
San Mateo	240026	beach layia	0.7820
San Mateo	240026	bristly sedge	1.1211
San Mateo	240026	California clapper rail	1.1211
San Mateo	240026	California tiger salamander	3.5011
San Mateo	240026	Davidson's bush-mallow	0.0330
San Mateo	240026	Franciscan onion	44.4857
San Mateo	240026	hoary bat	0.3790
San Mateo	240026	Kellogg's horkelia	44.4857
San Mateo	240026	lost thistle	0.0330
San Mateo	240026	Myrtle's silverspot	2.1710
San Mateo	240026	pallid bat	3.5011
San Mateo	240026	Ricksecker's water scavenger beetle	0.3790
San Mateo	240026	robust spineflower	0.9810
San Mateo	240026	rose leptosiphon	0.1571
San Mateo	240026	San Francisco Bay Area leaf-cutter bee	4.6890
San Mateo	240026	San Francisco collinsia	0.3790
San Mateo	240026	sandy beach tiger beetle	1.3169
San Mateo	240026	Santa Cruz kangaroo rat	0.6884
San Mateo	240026	showy rancheria clover	3.3396
San Mateo	240026	slender-leaved pondweed	44.4857
San Mateo	240026	western pond turtle	0.3790
San Mateo	240026	white seaside tarplant	44.4857
San Mateo	240027	Alameda song sparrow	6.9297
San Mateo	240027	American badger	1.3525
San Mateo	240027	beach layia	0.3543
San Mateo	240027	bristly sedge	1.1211
San Mateo	240027	California clapper rail	0.0809
San Mateo	240027	California tiger salamander	44.4857
San Mateo	240027	Davidson's bush-mallow	1.3169
San Mateo	240027	Franciscan onion	44.4857
San Mateo	240027	hoary bat	0.2793
San Mateo	240027	Kellogg's horkelia	0.2793
San Mateo	240027	lost thistle	0.5047
San Mateo	240027	Myrtle's silverspot	0.2793
San Mateo	240027	pallid bat	0.5047
San Mateo	240027	Ricksecker's water scavenger beetle	1.1843
San Mateo	240027	robust spineflower	0.5047

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
San Mateo	240027	rose leptosiphon	0.0751
San Mateo	240027	San Francisco Bay Area leaf-cutter bee	0.1565
San Mateo	240027	San Francisco Bay spineflower	0.2829
San Mateo	240027	San Francisco collinsia	0.4693
San Mateo	240027	sandy beach tiger beetle	0.5517
San Mateo	240027	Santa Cruz kangaroo rat	0.7499
San Mateo	240027	showy rancheria clover	0.7281
San Mateo	240027	slender-leaved pondweed	0.1885
San Mateo	240027	western pond turtle	0.1885
San Mateo	240027	white seaside tarplant	0.3697
San Mateo	240060	adobe sanicle	0.2415
San Mateo	240060	Alameda song sparrow	0.0973
San Mateo	240060	alkali milk-vetch	0.1825
San Mateo	240060	beach layia	1.5723
San Mateo	240060	bent-flowered fiddleneck	0.1861
San Mateo	240060	bristly sedge	0.2020
San Mateo	240060	California clapper rail	0.2020
San Mateo	240060	California red-legged frog	0.2020
San Mateo	240060	Davidson's bush-mallow	0.2020
San Mateo	240060	Diablo helianthella	0.2020
San Mateo	240060	fragrant fritillary	0.2020
San Mateo	240060	Franciscan onion	0.2020
San Mateo	240060	hoary bat	0.2020
San Mateo	240060	Mission blue butterfly	0.2020
San Mateo	240060	Myrtle's silverspot	0.0804
San Mateo	240060	pallid bat	0.4694
San Mateo	240060	Ricksecker's water scavenger beetle	1.6628
San Mateo	240060	rose leptosiphon	0.4443
San Mateo	240060	salt-marsh harvest mouse	0.6928
San Mateo	240060	San Francisco Bay Area leaf-cutter bee	0.1098
San Mateo	240060	San Francisco forktail damselfly	0.4443
San Mateo	240060	San Francisco owl's-clover	0.1098
San Mateo	240060	sandy beach tiger beetle	0.1098
San Mateo	240060	Santa Cruz kangaroo rat	0.4443
San Mateo	240060	Stage's dufourine bee	4.1309
San Mateo	240060	western snowy plover	4.1309
San Mateo	240060	white seaside tarplant	0.5742
San Mateo	240114	big free-tailed bat	0.8325
San Mateo	240114	bumblebee scarab beetle	4.1309
San Mateo	240114	California red-legged frog	4.1309
San Mateo	240114	coast yellow leptosiphon	0.8325
San Mateo	240114	Franciscan thistle	1.2204
San Mateo	240114	Hickman's cinquefoil	0.1122
San Mateo	240114	hoary bat	4.1309
San Mateo	240114	monarch butterfly	0.5742
San Mateo	240114	Myrtle's silverspot	4.1309
San Mateo	240114	rose leptosiphon	0.6730
San Mateo	240114	saltmarsh common yellowthroat	0.6730
San Mateo	240114	San Francisco Bay spineflower	0.6730
San Mateo	240114	San Francisco collinsia	0.6730
San Mateo	240114	San Francisco gumplant	0.2270
San Mateo	240114	steelhead - central California coast DPS	0.6730
San Mateo	240115	pallid bat	0.6730

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Species

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
San Mateo	240133	pallid bat	0.8848
San Mateo	240143	pallid bat	0.3239
San Mateo	240169	American badger	0.8469
San Mateo	240169	Hoover's button-celery	0.8469
San Mateo	240169	Santa Cruz kangaroo rat	2.3027
San Mateo	240169	western leatherwood	2.3027
San Mateo	240174	Alameda song sparrow	0.1419
San Mateo	240174	American badger	2.3027
San Mateo	240174	California tiger salamander	2.3027
San Mateo	240174	hoary bat	0.8469
San Mateo	240174	lost thistle	2.3027
San Mateo	240174	Santa Cruz kangaroo rat	2.3027
San Mateo	240174	slender-leaved pondweed	0.0383
San Mateo	240176	arcuate bush-mallow	0.2876
San Mateo	240590	Alameda song sparrow	1.0824
San Mateo	240590	American badger	1.0824
San Mateo	240590	beach layia	1.8581
San Mateo	240590	bristly sedge	1.0824
San Mateo	240590	California clapper rail	0.6112
San Mateo	240590	California tiger salamander	1.8581
San Mateo	240590	Davidson's bush-mallow	1.0824
San Mateo	240590	Franciscan onion	1.0824
San Mateo	240590	hoary bat	1.9532
San Mateo	240590	Kellogg's horkelia	3.2968
San Mateo	240590	lost thistle	1.6530
San Mateo	240590	Myrtle's silverspot	3.2968
San Mateo	240590	pallid bat	0.6384
San Mateo	240590	Ricksecker's water scavenger beetle	0.0936
San Mateo	240590	robust spineflower	6.0605
San Mateo	240590	rose leptosiphon	6.0605
San Mateo	240590	San Francisco Bay Area leaf-cutter bee	0.0936
San Mateo	240590	San Francisco Bay spineflower	1.4187
San Mateo	240590	sandy beach tiger beetle	2.7045
San Mateo	240590	Santa Cruz kangaroo rat	6.0605
San Mateo	240590	showy rancheria clover	2.7045
San Mateo	240590	slender-leaved pondweed	0.3147
San Mateo	240590	western pond turtle	0.3147
San Mateo	240590	white seaside tarplant	0.3147
San Mateo	94644	Bay checkerspot butterfly	0.3335
San Mateo	94644	coastal marsh milk-vetch	0.0177
San Mateo	94644	Crystal Springs lessingia	0.5229
San Mateo	94644	fountain thistle	0.3321
San Mateo	94644	Franciscan onion	1.1336
San Mateo	94644	Marin western flax	1.4691
San Mateo	94644	San Francisco Bay spineflower	1.4691
San Mateo	94644	San Mateo thorn-mint	1.1336
San Mateo	94644	Serpentine Bunchgrass	1.4691
San Mateo	94644	western leatherwood	0.1661
San Mateo	94644	white-rayed pentachaeta	0.1661
San Mateo	98204	big free-tailed bat	5.0392
San Mateo	98204	bumblebee scarab beetle	2.8130
San Mateo	98204	hoary bat	0.2243
San Mateo	98204	Myrtle's silverspot	0.2183

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
San Mateo	98204	saltmarsh common yellowthroat	8.1671
San Mateo	98204	San Francisco Bay spineflower	8.6844
		Total San Mateo County	678.5447
Santa Clara	21714	American badger	0.3441
Santa Clara	21714	bank swallow	2.0157
Santa Clara	21714	Pinnacles optioservus riffle beetle	1.9401
Santa Clara	21714	saline clover	8.1671
Santa Clara	21760	California tiger salamander	1.9401
Santa Clara	21760	pallid bat	1.8282
Santa Clara	21760	woodland woollythreads	0.3971
Santa Clara	21922	arcuate bush-mallow	11.2600
Santa Clara	21922	burrowing owl	10.6413
Santa Clara	21922	California tiger salamander	1.9844
Santa Clara	21922	Congdon's tarplant	1.3162
Santa Clara	21922	hairless popcornflower	1.8282
Santa Clara	21922	hoary bat	1.9415
Santa Clara	21922	robust spineflower	0.5383
Santa Clara	22134	California tiger salamander	10.4741
Santa Clara	22134	Congdon's tarplant	1.5357
Santa Clara	22134	hairless popcornflower	4.8491
Santa Clara	22134	robust spineflower	0.0365
Santa Clara	22134	round-leaved filaree	0.0755
Santa Clara	22175	Congdon's tarplant	0.6125
Santa Clara	22179	California tiger salamander	2.7892
Santa Clara	22179	robust spineflower	2.6163
Santa Clara	22186	California tiger salamander	0.3228
Santa Clara	22186	robust spineflower	2.7892
Santa Clara	22809	California tiger salamander	0.7154
Santa Clara	22839	California tiger salamander	0.9716
Santa Clara	22839	robust spineflower	1.9853
Santa Clara	22910	western pond turtle	1.6040
Santa Clara	22932	Bay checkerspot butterfly	3.0932
Santa Clara	22932	California tiger salamander	1.0019
Santa Clara	22944	alkali milk-vetch	3.0932
Santa Clara	22944	California tiger salamander	0.0845
Santa Clara	22944	Congdon's tarplant	1.8026
Santa Clara	22944	robust spineflower	1.4915
Santa Clara	22956	California tiger salamander	1.4915
Santa Clara	22956	Congdon's tarplant	1.4915
Santa Clara	22956	Contra Costa goldfields	0.0830
Santa Clara	22956	robust spineflower	0.0830
Santa Clara	230200	California tiger salamander	0.0830
Santa Clara	230200	Congdon's tarplant	0.7198
Santa Clara	230200	hoary bat	0.7198
Santa Clara	230200	pallid bat	0.6873
Santa Clara	230200	robust spineflower	0.7198
Santa Clara	230200	saline clover	0.7198
Santa Clara	230201	California tiger salamander	0.7198
Santa Clara	230201	Congdon's tarplant	0.6873
Santa Clara	230201	pallid bat	0.4232
Santa Clara	230201	robust spineflower	2.8529
Santa Clara	230201	saline clover	1.4167
Santa Clara	230210	California tiger salamander	2.8529

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Santa Clara	230210	robust spineflower	4.6539
Santa Clara	230267	California tiger salamander	4.6539
Santa Clara	230267	Hoover's button-celery	0.9208
Santa Clara	230267	robust spineflower	2.0332
Santa Clara	230273	California tiger salamander	4.6539
Santa Clara	230273	robust spineflower	5.7787
Santa Clara	230294	arcuate bush-mallow	3.9903
Santa Clara	230294	California red-legged frog	0.9074
Santa Clara	230294	California tiger salamander	5.7787
Santa Clara	230294	Hall's bush-mallow	4.0993
Santa Clara	230294	pallid bat	4.0993
Santa Clara	230294	saline clover	0.2841
Santa Clara	230294	Sycamore Alluvial Woodland	4.0993
Santa Clara	230294	western pond turtle	0.1046
Santa Clara	230449	California tiger salamander	4.7387
Santa Clara	230449	robust spineflower	2.4909
Santa Clara	230452	California tiger salamander	0.3443
Santa Clara	230452	Congdon's tarplant	0.9431
Santa Clara	230452	hoary bat	4.7387
Santa Clara	230452	pallid bat	0.9431
Santa Clara	230452	robust spineflower	0.4460
Santa Clara	230452	saline clover	0.4460
Santa Clara	230457	California tiger salamander	3.0123
Santa Clara	230457	Congdon's tarplant	3.0123
Santa Clara	230457	robust spineflower	1.1566
Santa Clara	230466	Congdon's tarplant	0.0276
Santa Clara	230466	San Francisco collinsia	0.4840
Santa Clara	230531	alkali milk-vetch	3.0123
Santa Clara	230531	Hoover's button-celery	3.0123
Santa Clara	230531	Point Reyes bird's-beak	0.4460
Santa Clara	230642	California tiger salamander	3.0123
Santa Clara	230642	Congdon's tarplant	3.0123
Santa Clara	230642	hoary bat	0.7115
Santa Clara	230642	robust spineflower	0.7115
Santa Clara	240117	California tiger salamander	0.4146
Santa Clara	240117	Congdon's tarplant	0.3952
Santa Clara	240117	Contra Costa goldfields	0.7115
Santa Clara	240117	hoary bat	0.7115
Santa Clara	240117	pallid bat	0.3952
Santa Clara	240117	robust spineflower	0.7115
Santa Clara	240117	saline clover	0.7115
Santa Clara	240118	California tiger salamander	1.9225
Santa Clara	240118	Congdon's tarplant	1.2904
Santa Clara	240118	hoary bat	0.5268
Santa Clara	240118	pallid bat	1.9225
Santa Clara	240118	robust spineflower	0.2776
Santa Clara	240118	saline clover	0.3115
Santa Clara	240119	Alameda song sparrow	1.2381
Santa Clara	240119	American badger	0.4790
Santa Clara	240119	arcuate bush-mallow	2.8933
Santa Clara	240119	California tiger salamander	0.7271
Santa Clara	240119	Congdon's tarplant	3.0575
Santa Clara	240119	Contra Costa goldfields	0.4790

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Santa Clara	240119	Franciscan onion	0.4790
Santa Clara	240119	hairless popcornflower	0.1394
Santa Clara	240119	hoary bat	0.3447
Santa Clara	240119	lost thistle	0.1837
Santa Clara	240119	pallid bat	1.7573
Santa Clara	240119	robust spineflower	4.1572
Santa Clara	240119	saline clover	0.4015
Santa Clara	240119	San Francisco collinsia	3.0818
Santa Clara	240119	Santa Cruz kangaroo rat	1.7573
Santa Clara	240119	slender-leaved pondweed	1.7573
Santa Clara	240159	arcuate bush-mallow	0.2488
Santa Clara	240159	California tiger salamander	0.2161
Santa Clara	240159	Congdon's tarplant	7.9873
Santa Clara	240159	hairless popcornflower	1.5121
Santa Clara	240159	hoary bat	2.1324
Santa Clara	240159	pallid bat	2.1324
Santa Clara	240159	robust spineflower	1.0018
Santa Clara	240159	saline clover	0.4640
Santa Clara	240374	alkali milk-vetch	1.9951
Santa Clara	240374	California tiger salamander	3.9498
Santa Clara	240374	Congdon's tarplant	8.9811
Santa Clara	240374	robust spineflower	2.0477
Santa Clara	240374	tricolored blackbird	0.4640
Santa Clara	240375	arcuate bush-mallow	1.9511
Santa Clara	240375	California tiger salamander	3.9950
Santa Clara	240375	Congdon's tarplant	1.9511
Santa Clara	240375	hairless popcornflower	2.7791
Santa Clara	240375	hoary bat	2.1324
Santa Clara	240375	pallid bat	2.1324
Santa Clara	240375	robust spineflower	0.7313
Santa Clara	240375	saline clover	2.1324
Santa Clara	240385	hoary bat	9.5088
Santa Clara	240385	Loma Prieta hoita	2.0477
Santa Clara	240385	pallid bat	0.4640
Santa Clara	240398	hoary bat	0.1002
Santa Clara	240403	salt-marsh harvest mouse	3.9970
Santa Clara	240404	alkali milk-vetch	1.8431
Santa Clara	240408	California tiger salamander	1.8431
Santa Clara	240427	hairless popcornflower	0.3541
Santa Clara	240427	Indian Valley bush-mallow	1.8431
Santa Clara	240427	Loma Prieta hoita	1.6978
Santa Clara	240427	robust spineflower	1.6978
Santa Clara	240427	woodland woollythreads	0.0761
Santa Clara	240436	alkali milk-vetch	0.3722
Santa Clara	240436	Hoover's button-celery	0.2052
Santa Clara	240439	Congdon's tarplant	0.7056
Santa Clara	240439	hoary bat	0.2493
Santa Clara	240463	Alameda song sparrow	0.1530
Santa Clara	240463	alkali milk-vetch	0.8323
Santa Clara	240464	California tiger salamander	1.6978
Santa Clara	240464	Congdon's tarplant	0.0994
Santa Clara	240464	Hall's bush-mallow	0.2035
Santa Clara	240464	hoary bat	0.1471

TABLE H-1B: Transportation Projects (linear features) That May Impact Special-Status Specie

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Length (mi)</i>
Santa Clara	240464	pallid bat	1.9013
Santa Clara	240464	robust spineflower	1.8799
Santa Clara	240464	saline clover	0.0770
Santa Clara	240466	alkali milk-vetch	0.0871
Santa Clara	240466	burrowing owl	0.5484
Santa Clara	240466	California tiger salamander	0.6151
Santa Clara	240466	Congdon's tarplant	0.6151
Santa Clara	240466	hairless popcornflower	0.3003
Santa Clara	240466	hoary bat	0.3003
Santa Clara	240466	Hoover's button-celery	0.3003
Santa Clara	240466	pallid bat	0.1584
Santa Clara	240466	Point Reyes bird's-beak	0.5270
Santa Clara	240466	robust spineflower	1.5499
Santa Clara	240466	round-leaved filaree	2.2636
Santa Clara	240466	Santa Cruz kangaroo rat	1.7149
Santa Clara	240466	smooth lessingia	1.8748
Santa Clara	240466	western pond turtle	0.1060
Santa Clara	240466	western snowy plover	1.5220
Santa Clara	240469	California tiger salamander	0.2131
Santa Clara	240469	Congdon's tarplant	0.0924
Santa Clara	240469	hoary bat	0.0732
Santa Clara	240469	robust spineflower	1.2426
Santa Clara	240481	Alameda song sparrow	0.3269
Santa Clara	240481	burrowing owl	2.1587
Santa Clara	240481	salt-marsh wandering shrew	0.1130
Santa Clara	240484	alkali milk-vetch	2.1781
Santa Clara	240484	California tiger salamander	0.1891
Santa Clara	240484	Congdon's tarplant	0.2312
Santa Clara	240484	robust spineflower	0.1719
Santa Clara	240484	salt-marsh harvest mouse	1.9806
Santa Clara	240485	woodland woollythreads	0.0405
Santa Clara	240491	hoary bat	0.0642
Santa Clara	240491	Loma Prieta hoita	0.3277
Santa Clara	240491	pallid bat	1.1379
Santa Clara	240492	hoary bat	0.1132
Santa Clara	240492	Loma Prieta hoita	0.9275
Santa Clara	240492	pallid bat	0.1580
Santa Clara	240506	California tiger salamander	3.0917
Santa Clara	240506	hoary bat	3.0026
Santa Clara	240506	lost thistle	3.0917
Santa Clara	240506	pallid bat	3.0026
Santa Clara	240506	San Francisco collinsia	0.1915
Santa Clara	240506	Santa Cruz kangaroo rat	3.0026
Santa Clara	240506	slender-leaved pondweed	1.5036
Santa Clara	240507	Alameda song sparrow	0.6134
Santa Clara	240513	California tiger salamander	0.7064
Santa Clara	240513	Congdon's tarplant	3.0917
Santa Clara	240513	robust spineflower	3.0026
Santa Clara	240514	California tiger salamander	3.0917
Santa Clara	240514	Congdon's tarplant	0.7119
Santa Clara	240514	hairless popcornflower	3.0917
Santa Clara	240514	hoary bat	3.0917
Santa Clara	240514	robust spineflower	2.7264

TABLE H-1C: Transportation Projects (point features) That May Impact Special-Status Spec

<i>County</i>	<i>RTP_ID</i>	<i>Species Impacted</i>
Alameda	21100	alkali milk-vetch
Alameda	21100	caper-fruited tropidocarpum
Alameda	21103	alkali milk-vetch
Alameda	21103	burrowing owl
Alameda	21103	Contra Costa goldfields
Alameda	21103	San Joaquin spearscale
Alameda	21144	saline clover
Alameda	21451	Congdon's tarplant
Alameda	21475	caper-fruited tropidocarpum
Alameda	21475	foothill yellow-legged frog
Alameda	21475	hairless popcornflower
Alameda	21477	caper-fruited tropidocarpum
Alameda	22100	woodland woollythreads
Alameda	22769	adobe sanicle
Alameda	22769	Alameda Island mole
Alameda	22769	Alameda song sparrow
Alameda	22769	alkali milk-vetch
Alameda	22769	California tiger salamander
Alameda	22769	Kellogg's horkelia
Alameda	22769	robust spineflower
Alameda	22769	saline clover
Alameda	22779	tricolored blackbird
Alameda	22990	tricolored blackbird
Alameda	230110	tricolored blackbird
Alameda	230132	caper-fruited tropidocarpum
Alameda	230132	foothill yellow-legged frog
Alameda	240037	hoary bat
Alameda	240062	tricolored blackbird
Alameda	240065	alkali milk-vetch
Alameda	240065	hairless popcornflower
Alameda	240065	pallid bat
Alameda	240100	adobe sanicle
Alameda	240100	Alameda Island mole
Alameda	240100	Alameda song sparrow
Alameda	240100	alkali milk-vetch
Alameda	240100	California tiger salamander
Alameda	240100	Kellogg's horkelia
Alameda	240100	robust spineflower
Alameda	240100	saline clover
Alameda	240101	adobe sanicle
Alameda	240101	Alameda Island mole
Alameda	240101	Alameda song sparrow
Alameda	240101	alkali milk-vetch
Alameda	240101	California tiger salamander
Alameda	240101	Kellogg's horkelia
Alameda	240101	robust spineflower
Alameda	240101	saline clover
Alameda	240179	big free-tailed bat
Alameda	240179	hoary bat
Alameda	240179	pallid bat
Alameda	240179	round-leaved filaree
Alameda	240208	most beautiful jewel-flower
Alameda	240208	slender-leaved pondweed

TABLE H-1C: Transportation Projects (point features) That May Impact Special-Status Spec

<i>County</i>	<i>RTP_ID</i>	<i>Species Impacted</i>
Alameda	240295	alkali milk-vetch
Alameda	240295	California red-legged frog
Alameda	240295	caper-fruited tropidocarpum
Alameda	240295	foothill yellow-legged frog
Alameda	240295	slender-leaved pondweed
Alameda	240304	alkali milk-vetch
Alameda	240304	California red-legged frog
Alameda	240304	caper-fruited tropidocarpum
Alameda	240304	foothill yellow-legged frog
Alameda	240304	slender-leaved pondweed
Alameda	240318	Santa Cruz tarplant
Alameda	240324	adobe sanicle
Alameda	240324	Alameda Island mole
Alameda	240324	Alameda song sparrow
Alameda	240324	alkali milk-vetch
Alameda	240324	California tiger salamander
Alameda	240324	Kellogg's horkelia
Alameda	240324	robust spineflower
Alameda	240324	saline clover
Alameda	98207	bent-flowered fiddleneck
Alameda	98207	Choris' popcornflower
Alameda	98207	hoary bat
Alameda	98207	Kellogg's horkelia
Alameda	98207	round-leaved filaree
Alameda	98207	San Francisco Bay spineflower
Alameda	98207	San Joaquin spearscale
Total Alameda		
Bay Area Region/Multi-	21342	beach layia
Bay Area Region/Multi-	21342	bristly sedge
Bay Area Region/Multi-	21342	rose leptosiphon
Bay Area Region/Multi-	21342	San Francisco Bay Area leaf-cutter bee
Bay Area Region/Multi-	21342	sandy beach tiger beetle
Bay Area Region/Multi-	21342	white seaside tarplant
Bay Area Region/Multi-	22006	beach layia
Bay Area Region/Multi-	22006	bristly sedge
Bay Area Region/Multi-	22006	rose leptosiphon
Bay Area Region/Multi-	22006	San Francisco Bay Area leaf-cutter bee
Bay Area Region/Multi-	22006	sandy beach tiger beetle
Bay Area Region/Multi-	22006	white seaside tarplant
Bay Area Region/Multi-	230581	beach layia
Bay Area Region/Multi-	230581	bristly sedge
Bay Area Region/Multi-	230581	California black rail
Bay Area Region/Multi-	230581	marsh sandwort
Bay Area Region/Multi-	230581	rose leptosiphon
Bay Area Region/Multi-	230581	San Francisco Bay Area leaf-cutter bee
Bay Area Region/Multi-	230581	sandy beach tiger beetle
Bay Area Region/Multi-	230581	white seaside tarplant
Bay Area Region/Multi-	230684	hairless popcornflower
Bay Area Region/Multi-	230687	pappose tarplant
Bay Area Region/Multi-	230687	Suisun shrew
Bay Area Region/Multi-	230687	Suisun song sparrow
Bay Area Region/Multi-	240048	California tiger salamander
Bay Area Region/Multi-	240048	Congdon's tarplant

TABLE H-1C: Transportation Projects (point features) That May Impact Special-Status Spec

<i>County</i>	<i>RTP_ID</i>	<i>Species Impacted</i>
Bay Area Region/Multi-	240048	hoary bat
Bay Area Region/Multi-	240048	pallid bat
Bay Area Region/Multi-	240048	robust spineflower
Bay Area Region/Multi-	240048	saline clover
Contra Costa	21205	California tiger salamander
Contra Costa	21205	Congdon's tarplant
Contra Costa	21214	Hurd's metapogon robberfly
Contra Costa	22350	California tiger salamander
Contra Costa	22350	Congdon's tarplant
Contra Costa	22355	California seablite
Contra Costa	22355	hoary bat
Contra Costa	22355	pallid bat
Contra Costa	22614	big free-tailed bat
Contra Costa	22614	Bolander's water-hemlock
Contra Costa	22614	Carquinez goldenbush
Contra Costa	22614	soft bird's-beak
Contra Costa	22614	Suisun song sparrow
Contra Costa	230123	pallid bat
Contra Costa	230123	San Pablo song sparrow
Contra Costa	230123	yellow-headed blackbird
Contra Costa	230218	alkali milk-vetch
Contra Costa	230218	fragrant fritillary
Contra Costa	230218	hoary bat
Contra Costa	230218	saline clover
Contra Costa	230232	burrowing owl
Contra Costa	230596	California tiger salamander
Contra Costa	230596	Congdon's tarplant
Contra Costa	240074	alkali milk-vetch
Contra Costa	240074	American badger
Contra Costa	240074	Berkeley kangaroo rat
Contra Costa	240074	big tarplant
Contra Costa	240074	California tiger salamander
Contra Costa	240074	Congdon's tarplant
Contra Costa	240074	Contra Costa goldfields
Contra Costa	240074	fragrant fritillary
Contra Costa	240074	hoary bat
Contra Costa	240074	pallid bat
Contra Costa	240074	saline clover
Contra Costa	240074	San Joaquin spearscale
Contra Costa	240457	big tarplant
Contra Costa	240457	California tiger salamander
Contra Costa	240457	Contra Costa goldfields
Contra Costa	240457	pallid bat
Contra Costa	240625	big tarplant
Contra Costa	240625	Suisun song sparrow
Contra Costa	240656	San Pablo song sparrow
Marin	21306	Mt. Tamalpais manzanita
Marin	21306	San Pablo song sparrow
Marin	21325	marsh microseris
Marin	230105	California red-legged frog
Marin	230105	coho salmon - central California coast ESU
Marin	230105	monarch butterfly
Marin	240041	Mt. Tamalpais manzanita

TABLE H-1C: Transportation Projects (point features) That May Impact Special-Status Spec

<i>County</i>	<i>RTP_ID</i>	<i>Species Impacted</i>
Marin	240041	San Pablo song sparrow
Marin	240456	Napa false indigo
Marin	98154	Marin knotweed
Marin	98154	Napa false indigo
Napa	22746	American badger
Napa	22746	An isopod
Napa	22746	pallid bat
Napa	22746	showy rancheria clover
Napa	240083	American badger
Napa	240083	An isopod
Napa	240083	pallid bat
Napa	240083	showy rancheria clover
Napa	240085	American badger
Napa	240085	An isopod
Napa	240085	pallid bat
Napa	240085	showy rancheria clover
San Francisco	230555	double-crested cormorant
San Francisco	240147	beach layia
San Francisco	240147	bristly sedge
San Francisco	240147	Diablo helianthella
San Francisco	240147	rose leptosiphon
San Francisco	240147	San Francisco Bay Area leaf-cutter bee
San Francisco	240147	sandy beach tiger beetle
San Francisco	240147	white seaside tarplant
San Francisco	240349	adobe sanicle
San Francisco	240349	alkali milk-vetch
San Francisco	240349	beach layia
San Francisco	240349	bristly sedge
San Francisco	240349	fragrant fritillary
San Francisco	240349	rose leptosiphon
San Francisco	240349	San Francisco Bay Area leaf-cutter bee
San Francisco	240349	San Francisco owl's-clover
San Francisco	240349	sandy beach tiger beetle
San Francisco	240349	white seaside tarplant
San Francisco	240415	beach layia
San Francisco	240415	bristly sedge
San Francisco	240415	rose leptosiphon
San Francisco	240415	San Francisco Bay Area leaf-cutter bee
San Francisco	240415	sandy beach tiger beetle
San Francisco	240415	white seaside tarplant
San Francisco	240487	beach layia
San Francisco	240487	bristly sedge
San Francisco	240487	California black rail
San Francisco	240487	marsh sandwort
San Francisco	240487	rose leptosiphon
San Francisco	240487	San Francisco Bay Area leaf-cutter bee
San Francisco	240487	sandy beach tiger beetle
San Francisco	240487	white seaside tarplant
San Francisco	240525	beach layia
San Francisco	240525	bristly sedge
San Francisco	240525	rose leptosiphon
San Francisco	240525	San Francisco Bay Area leaf-cutter bee
San Francisco	240525	sandy beach tiger beetle

TABLE H-1C: Transportation Projects (point features) That May Impact Special-Status Spec

<i>County</i>	<i>RTP_ID</i>	<i>Species Impacted</i>
San Francisco	240525	white seaside tarplant
San Francisco	240526	beach layia
San Francisco	240526	bristly sedge
San Francisco	240526	rose leptosiphon
San Francisco	240526	San Francisco Bay Area leaf-cutter bee
San Francisco	240526	sandy beach tiger beetle
San Francisco	240526	white seaside tarplant
San Francisco	240557	beach layia
San Francisco	240557	bristly sedge
San Francisco	240557	Diablo helianthella
San Francisco	240557	rose leptosiphon
San Francisco	240557	San Francisco Bay Area leaf-cutter bee
San Francisco	240557	sandy beach tiger beetle
San Francisco	240557	white seaside tarplant
San Mateo	21602	California clapper rail
San Mateo	21602	Franciscan onion
San Mateo	21603	hoary bat
San Mateo	21603	Santa Cruz kangaroo rat
San Mateo	21606	Santa Cruz kangaroo rat
San Mateo	21609	hoary bat
San Mateo	21615	Kellogg's horkelia
San Mateo	21615	robust spineflower
San Mateo	21615	showy rancheria clover
San Mateo	22226	beach layia
San Mateo	22226	bristly sedge
San Mateo	22226	rose leptosiphon
San Mateo	22226	San Francisco Bay Area leaf-cutter bee
San Mateo	22226	sandy beach tiger beetle
San Mateo	22226	white seaside tarplant
San Mateo	22229	Stage's dufourine bee
San Mateo	22261	California red-legged frog
San Mateo	22261	coast yellow leptosiphon
San Mateo	22261	Franciscan thistle
San Mateo	22261	San Francisco collinsia
San Mateo	22261	steelhead - central California coast DPS
San Mateo	22279	Alameda song sparrow
San Mateo	22756	beach layia
San Mateo	22756	bristly sedge
San Mateo	22756	rose leptosiphon
San Mateo	22756	San Francisco Bay Area leaf-cutter bee
San Mateo	22756	sandy beach tiger beetle
San Mateo	22756	white seaside tarplant
San Mateo	230417	Santa Cruz kangaroo rat
San Mateo	230704	arcuate bush-mallow
San Mateo	240142	beach layia
San Mateo	240142	bristly sedge
San Mateo	240142	rose leptosiphon
San Mateo	240142	San Francisco Bay Area leaf-cutter bee
San Mateo	240142	sandy beach tiger beetle
San Mateo	240142	white seaside tarplant
San Mateo	240161	beach layia
San Mateo	240161	bristly sedge
San Mateo	240161	hoary bat

TABLE H-1C: Transportation Projects (point features) That May Impact Special-Status Spec

<i>County</i>	<i>RTP_ID</i>	<i>Species Impacted</i>
San Mateo	240161	rose leptosiphon
San Mateo	240161	San Francisco Bay Area leaf-cutter bee
San Mateo	240161	sandy beach tiger beetle
San Mateo	240161	white seaside tarplant
Santa Clara	21704	California tiger salamander
Santa Clara	21704	Congdon's tarplant
Santa Clara	21704	hoary bat
Santa Clara	21704	robust spineflower
Santa Clara	21722	California tiger salamander
Santa Clara	21722	robust spineflower
Santa Clara	21786	Congdon's tarplant
Santa Clara	21786	round-leaved filaree
Santa Clara	21787	Alameda song sparrow
Santa Clara	21787	American badger
Santa Clara	21787	California tiger salamander
Santa Clara	21787	hoary bat
Santa Clara	21787	lost thistle
Santa Clara	21787	Santa Cruz kangaroo rat
Santa Clara	21787	slender-leaved pondweed
Santa Clara	22854	Franciscan onion
Santa Clara	22965	California tiger salamander
Santa Clara	22965	Congdon's tarplant
Santa Clara	22965	robust spineflower
Santa Clara	22979	California tiger salamander
Santa Clara	22979	Congdon's tarplant
Santa Clara	22979	robust spineflower
Santa Clara	230255	woodland woollythreads
Santa Clara	230265	Hoover's button-celery
Santa Clara	230266	California tiger salamander
Santa Clara	230269	California tiger salamander
Santa Clara	230269	robust spineflower
Santa Clara	230284	California tiger salamander
Santa Clara	230284	robust spineflower
Santa Clara	230363	California tiger salamander
Santa Clara	230363	robust spineflower
Santa Clara	230407	California tiger salamander
Santa Clara	230407	Congdon's tarplant
Santa Clara	230407	robust spineflower
Santa Clara	230425	California tiger salamander
Santa Clara	230425	Congdon's tarplant
Santa Clara	230425	robust spineflower
Santa Clara	230492	California tiger salamander
Santa Clara	230492	Congdon's tarplant
Santa Clara	230492	robust spineflower
Santa Clara	230532	Alameda song sparrow
Santa Clara	230637	California tiger salamander
Santa Clara	230637	Congdon's tarplant
Santa Clara	230637	hoary bat
Santa Clara	230637	robust spineflower
Santa Clara	230638	Congdon's tarplant
Santa Clara	230638	San Francisco collinsia
Santa Clara	230643	California tiger salamander
Santa Clara	230643	Congdon's tarplant

TABLE H-1C: Transportation Projects (point features) That May Impact Special-Status Spec

<i>County</i>	<i>RTP_ID</i>	<i>Species Impacted</i>
Santa Clara	230643	robust spineflower
Santa Clara	240063	California tiger salamander
Santa Clara	240063	Congdon's tarplant
Santa Clara	240063	hoary bat
Santa Clara	240063	pallid bat
Santa Clara	240063	robust spineflower
Santa Clara	240063	saline clover
Santa Clara	240414	hoary bat
Santa Clara	240414	pallid bat
Santa Clara	240425	arcuate bush-mallow
Santa Clara	240425	California tiger salamander
Santa Clara	240425	hairless popcornflower
Santa Clara	240425	hoary bat
Santa Clara	240425	robust spineflower
Santa Clara	240441	Point Reyes bird's-beak
Santa Clara	240498	California tiger salamander
Santa Clara	240498	robust spineflower
Santa Clara	240532	hoary bat
Santa Clara	240570	California tiger salamander
Santa Clara	240570	robust spineflower
Santa Clara	240671	California tiger salamander
Santa Clara	240671	Congdon's tarplant
Santa Clara	240671	robust spineflower
Solano	21341	alkali milk-vetch
Solano	21341	Baker's navarretia
Solano	21341	Carquinez goldenbush
Solano	21341	dwarf downingia
Solano	21341	San Joaquin spearscale
Solano	21341	showy rancheria clover
Solano	22629	fragrant fritillary
Solano	22629	soft bird's-beak
Solano	22794	Carquinez goldenbush
Solano	22795	monarch butterfly
Solano	22985	Carquinez goldenbush
Solano	230326	pappose tarplant
Solano	230326	Suisun shrew
Solano	230326	Suisun song sparrow
Solano	230635	alkali milk-vetch
Solano	230635	Baker's navarretia
Solano	230635	Carquinez goldenbush
Solano	230635	dwarf downingia
Solano	230635	San Joaquin spearscale
Solano	230635	showy rancheria clover
Solano	240313	big tarplant
Solano	240313	Bolander's water-hemlock
Solano	240313	Carquinez goldenbush
Solano	240313	Congdon's tarplant
Sonoma	22190	bank swallow
Sonoma	230341	hoary bat
Sonoma	230341	pallid bat
Sonoma	230368	Sonoma canescent manzanita
Sonoma	230368	white sedge
Sonoma	240524	saline clover

TABLE H-1D: Transportation Projects (polygon features) That May Impact Special-Status Species

<i>County</i>	<i>RTP_ID</i>	<i>Species impacted</i>	<i>Acres</i>
San Francisco	240163	beach layia	233.8148
San Francisco	240163	bristly sedge	233.8148
San Francisco	240163	Diablo helianthella	159.0415
San Francisco	240163	hoary bat	4.3711
San Francisco	240163	Mission blue butterfly	33.8268
San Francisco	240163	rose leptosiphon	233.8148
San Francisco	240163	San Francisco Bay Area leaf-cutter bee	233.8148
San Francisco	240163	sandy beach tiger beetle	233.8148
San Francisco	240163	white seaside tarplant	233.8148
San Francisco	240399	bank swallow	25.3574
San Francisco	240399	beach layia	136.1048
San Francisco	240399	blue coast gilia	57.0082
San Francisco	240399	bristly sedge	136.1048
San Francisco	240399	California black rail	57.0082
San Francisco	240399	California red-legged frog	57.0082
San Francisco	240399	compact cobwebby thistle	75.1514
San Francisco	240399	Franciscan thistle	57.0082
San Francisco	240399	hoary bat	7.5522
San Francisco	240399	Kellogg's horkelia	57.0082
San Francisco	240399	Opler's longhorn moth	57.0082
San Francisco	240399	robust spineflower	32.8363
San Francisco	240399	rose leptosiphon	136.1048
San Francisco	240399	San Francisco Bay Area leaf-cutter bee	136.1048
San Francisco	240399	San Francisco Bay spineflower	32.8399
San Francisco	240399	San Francisco gumplant	6.4647
San Francisco	240399	San Francisco lessingia	57.0082
San Francisco	240399	San Francisco owl's-clover	57.0082
San Francisco	240399	sandy beach tiger beetle	136.1048
San Francisco	240399	tidewater goby	57.0082
San Francisco	240399	white seaside tarplant	136.1048
San Francisco	240400	blue coast gilia	1.7433
San Francisco	240400	double-crested cormorant	15.9016
San Francisco	240728	adobe sanicle	497.5994
San Francisco	240728	alkali milk-vetch	497.5994
San Francisco	240728	beach layia	4857.7222
San Francisco	240728	bristly sedge	4857.7222
San Francisco	240728	California black rail	1739.0001
San Francisco	240728	fragrant fritillary	166.9091
San Francisco	240728	monarch butterfly	9.8858
San Francisco	240728	Presidio manzanita	25.6503
San Francisco	240728	rose leptosiphon	4857.7222
San Francisco	240728	San Francisco Bay Area leaf-cutter bee	4857.7222
San Francisco	240728	San Francisco owl's-clover	497.5994
San Francisco	240728	sandy beach tiger beetle	4857.7222
San Francisco	240728	white seaside tarplant	4857.7222

TABLE H-2A: PDAs That May Impact Critical Habitat for Federal-listed Species

County	PDA	Species	Acres
Alameda	Livermore: Isabel Avenue/BART Station Planning Area	CALIFORNIA RED-LEGGED FROG	0.0715
		Total Alameda County	0.0715
Contra Costa	Antioch: Hillcrest eBART Station	DELTA SMELT	377.3916
Contra Costa	Antioch: Rivertown Waterfront	ANTIOCH DUNES EVEING PRIMROSE	9.385
Contra Costa	Antioch: Rivertown Waterfront	CONTRA COSTA WALLFLOWER	9.385
Contra Costa	Antioch: Rivertown Waterfront	DELTA SMELT	383.3226
Contra Costa	Contra Costa County Unincorporated: Pittsburg/Bay Point BART Station	DELTA SMELT	26.2722
Contra Costa	Oakley: Downtown	DELTA SMELT	109.9182
Contra Costa	Oakley: Employment Area	DELTA SMELT	812.2071
Contra Costa	Oakley: Potential Planning Area	DELTA SMELT	200.6393
Contra Costa	Pittsburg: Downtown	DELTA SMELT	342.4538
Contra Costa	Pittsburg: Pittsburg/Bay Point BART Station	DELTA SMELT	0.0447
Contra Costa	Pittsburg: Railroad Avenue eBART Station	DELTA SMELT	827.5783
		Total Contra Costa County	3098.598
Santa Clara	San Jose: Communications Hill	BAY CHECKERSPOT BUTTERFLY	377.2594
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	BAY CHECKERSPOT BUTTERFLY	19.8543
		Total Santa Clara County	397.1137
Solano	Benicia: Downtown	DELTA SMELT	3.7654
Solano	Fairfield: Fairfield-Vacaville Train Station	CONTRA COSTA GOLDFIELDS	487.2116
Solano	Fairfield: Fairfield-Vacaville Train Station	VERNAL POOL FAIRY SHRIMP	487.2116
Solano	Fairfield: Fairfield-Vacaville Train Station	VERNAL POOL TADPOLE SHRIMP	487.2116
Solano	Suisun City: Downtown & Waterfront	DELTA SMELT	6.0268
Solano	Suisun City: Downtown & Waterfront	SUISUN THISTLE	0.0221
		Total Solano County	1471.449
Sonoma	Cotati: Downtown and Cotati Depot	CALIFORNIA TIGER SALAMANDER	48.6674
Sonoma	Rohnert Park: Central Rohnert Park	CALIFORNIA TIGER SALAMANDER	0.4663
Sonoma	Rohnert Park: Sonoma Mountain Village	CALIFORNIA TIGER SALAMANDER	77.9707
Sonoma	Santa Rosa: Roseland Area	CALIFORNIA TIGER SALAMANDER	1323.693
Sonoma	Santa Rosa: SUB-AREA: Downtown Station Area	CALIFORNIA TIGER SALAMANDER	0.0091
Sonoma	Santa Rosa: SUB-AREA: Mendocino Avenue/Santa Rosa Avenue Corridor	CALIFORNIA TIGER SALAMANDER	112.2753
Sonoma	Santa Rosa: SUB-AREA: Sebastopol Road Corridor	CALIFORNIA TIGER SALAMANDER	751.6031
		Total Sonoma County	2314.685

TABLE H-2B: Transportation Projects That May Impact Critical Habitat for Federal-Listed Species

<i>County</i>	<i>RTP_ID</i>	<i>CH Species</i>	<i>Length (mi)</i>
Alameda	21473	CALIFORNIA RED-LEGGED FROG	0.1271
Total Alameda County			0.1271
Contra Costa	230308	ALAMEDA WHIPSNAKE	5.9516
Contra Costa	230535	ALAMEDA WHIPSNAKE	0.0212
Contra Costa	230307	CALIFORNIA RED-LEGGED FROG	0.6575
Contra Costa	230308	CALIFORNIA RED-LEGGED FROG	4.1313
Contra Costa	22400	CONTRA COSTA GOLDFIELDS	0.6821
Contra Costa	22604	CONTRA COSTA GOLDFIELDS	1.4357
Contra Costa	21211	DELTA SMELT	8.5436
Contra Costa	21214	DELTA SMELT	0.3281
Contra Costa	22400	DELTA SMELT	7.8998
Contra Costa	230205	DELTA SMELT	1.2247
Contra Costa	230232	DELTA SMELT	0.4851
Contra Costa	230233	DELTA SMELT	0.3791
Contra Costa	230236	DELTA SMELT	1.8504
Contra Costa	230238	DELTA SMELT	0.6901
Contra Costa	230247	DELTA SMELT	0.9798
Contra Costa	230249	DELTA SMELT	0.2477
Contra Costa	230250	DELTA SMELT	1.1948
Contra Costa	230253	DELTA SMELT	0.3403
Contra Costa	230274	DELTA SMELT	1.5778
Contra Costa	230288	DELTA SMELT	0.6811
Contra Costa	230289	DELTA SMELT	0.4797
Contra Costa	230535	DELTA SMELT	0.3209
Contra Costa	240167	DELTA SMELT	0.3877
Contra Costa	98999	DELTA SMELT	4.4528
Contra Costa	22400	VERNAL POOL FAIRY SHRIMP	1.6340
Contra Costa	22604	VERNAL POOL FAIRY SHRIMP	2.7014
Contra Costa	230202	DELTA SMELT	1.7745
Total Contra Costa County			51.0528
Napa	240617	CONTRA COSTA GOLDFIELDS	0.6867
Total Napa County			0.6867
Regional	230666	CALIFORNIA RED-LEGGED FROG	0.0811
Regional	22001	CALIFORNIA TIGER SALAMANDER	5.4937
Regional	240736	CALIFORNIA TIGER SALAMANDER	2.2437
Regional	21013	DELTA SMELT	1.5584
Total Regional			9.3769
San Mateo	21893	CALIFORNIA RED-LEGGED FROG	1.9217
San Mateo	240114	CALIFORNIA RED-LEGGED FROG	3.2437
San Mateo	94644	CALIFORNIA RED-LEGGED FROG	2.1774
Total San Mateo County			7.3428
Santa Clara	230294	CALIFORNIA RED-LEGGED FROG	13.2996
Total Santa Clara County			13.2996
Solano	94151	CONTRA COSTA GOLDFIELDS	2.0348
Solano	94151	VERNAL POOL FAIRY SHRIMP	2.0348
Solano	94151	VERNAL POOL TADPOLE SHRIMP	2.0348
Total Sonoma County			6.1044
Sonoma	21902	CALIFORNIA TIGER SALAMANDER	3.9447
Sonoma	22655	CALIFORNIA TIGER SALAMANDER	0.1233
Sonoma	240366	CALIFORNIA TIGER SALAMANDER	1.4009
Total Sonoma County			5.4689

TABLE H-2C: Transportation Projects That May Impact Critical Habitat for Federal-Listed Species

<i>County</i>	<i>RTP_ID</i>	<i>CH Species</i>
Contra Costa	230206	DELTA SMELT
Contra Costa	98222	DELTA SMELT
Contra Costa	21214	DELTA SMELT
Contra Costa	240625	DELTA SMELT
Contra Costa	230203	DELTA SMELT
Contra Costa	230232	DELTA SMELT
Sonoma	22195	CALIFORNIA TIGER SALAMANDER

TABLE H-3A: PDAs That May Impact Salmonid Critical Habitat

<i>County</i>	<i>PDA</i>	<i>ESU</i>	<i>Stream</i>	<i>Stream Length (mi)</i>
Napa	Napa: Downtown Napa	CCC steelhead	Napa Creek	0.2158
Napa	Napa: Downtown Napa	CCC steelhead	Napa River	0.0044
Napa	Napa: Soscol Gateway Corridor	CCC steelhead	Napa River	0.2318
Napa	Napa: Soscol Gateway Corridor	CCC steelhead	Tulucay Creek	0.1583
			Total Napa County	0.6103
San Mateo	Menlo Park: El Camino Real Corridor and Downtown	CCC steelhead	San Francisquito Creek	0.0337
San Mateo	SUB-AREA: CCAG/Menlo Park: El Camino Real Corridor and Downtown	CCC steelhead	San Francisquito Creek	0.2444
			Total San Mateo County	0.2781
Santa Clara	Mountain View: Downtown	CCC steelhead	Stevens Creek	0.6436
Santa Clara	Mountain View: El Camino Real Corridor	CCC steelhead	Stevens Creek	0.6998
Santa Clara	Mountain View: North Bayshore	CCC steelhead	Stevens Creek	0.1876
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	CCC steelhead	San Francisquito Creek	0.0037
Santa Clara	San Jose: Berryessa Station	CCC steelhead	Coyote Creek (Santa Clara)	0.9209
Santa Clara	San Jose: Berryessa Station	CCC steelhead	Upper Penitencia Creek	0.9395
Santa Clara	San Jose: Capitol Corridor Urban Villages	CCC steelhead	Upper Penitencia Creek	0.101
Santa Clara	San Jose: East Santa Clara/Alum Rock Corridor	CCC steelhead	Coyote Creek (Santa Clara)	0.7988
Santa Clara	San Jose: North San Jose	CCC steelhead	Coyote Creek (Santa Clara)	2.551
Santa Clara	San Jose: North San Jose	CCC steelhead	Guadulpe River	1.6598
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	CCC steelhead	Coyote Creek (Santa Clara)	0.29
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas	CCC steelhead	Guadulpe River	0.2936
			Total Santa Clara County	9.0893
Sonoma	Cloverdale: Downtown/SMART Transit Area	CC Chinook	Mainstem in Alexander Vall	0.3457
Sonoma	Cloverdale: Downtown/SMART Transit Area	CCC steelhead	Mainstem Alexander Valley	0.3457
Sonoma	Petaluma: Central, Turning Basin/Lower Reach	CCC steelhead	Petaluma River	1.8427
Sonoma	Windsor: Redevelopment Area	CCC steelhead	Middle reach of Windsor Cr	0.4942
			Total Sonoma County	3.0283

TABLE H-3B: TIP LINEAR PROJECT

<i>County</i>	<i>RTP_ID</i>	<i>ESU</i>	<i>Stream</i>
Alameda	22009	CCC steelhead	Coyote Creek (Santa Clara)
Alameda	22009	CCC steelhead	Guadalupe River
Alameda	22509	CCC steelhead	San Francisco Bay, South
Alameda	22780	CCC steelhead	San Francisco Bay, South
Alameda	240018	CCC steelhead	San Francisco Bay, South
Alameda	240018	CCC steelhead	San Francisquito Creek
Total Projects Alameda County			3
Bay Area Region/Multi-County	21012	CCC steelhead	Suisun Bay
Bay Area Region/Multi-County	21012	Central Valley Steelhead	
Bay Area Region/Multi-County	21013	CCC steelhead	Carquinez Straits
Bay Area Region/Multi-County	21013	CCC steelhead	San Francisco Bay, Central
Bay Area Region/Multi-County	21013	CCC steelhead	San Francisco Bay, South
Bay Area Region/Multi-County	21013	Central Valley Steelhead	
Bay Area Region/Multi-County	21320	CCC steelhead	Suisun Bay
Bay Area Region/Multi-County	21320	Central Valley Steelhead	
Bay Area Region/Multi-County	21627	CCC steelhead	San Francisquito Creek
Bay Area Region/Multi-County	21627	CCC steelhead	Stevens Creek
Bay Area Region/Multi-County	22001	CCC steelhead	Petaluma River
Bay Area Region/Multi-County	22001	CCC steelhead	San Antonio Creek
Bay Area Region/Multi-County	22001	CCC steelhead	Willow Brook
Bay Area Region/Multi-County	22511	CCC steelhead	San Francisco Bay, South
Bay Area Region/Multi-County	22636	CCC steelhead	San Francisco Bay, South
Bay Area Region/Multi-County	230612	CCC steelhead	Carquinez Straits
Bay Area Region/Multi-County	230612	CCC steelhead	San Francisco Bay, Central
Bay Area Region/Multi-County	230612	CCC steelhead	San Francisco Bay, South
Bay Area Region/Multi-County	230612	CCC steelhead	San Pablo Bay
Bay Area Region/Multi-County	230612	CCC steelhead	Suisun Bay
Bay Area Region/Multi-County	230612	Central Valley Steelhead	
Bay Area Region/Multi-County	230712	CCC steelhead	Suisun Bay
Bay Area Region/Multi-County	230712	Central Valley Steelhead	
Bay Area Region/Multi-County	240736	CC Chinook	Middle Reach of Mainstem
Bay Area Region/Multi-County	240736	CCC steelhead	Foss Creek
Bay Area Region/Multi-County	240736	CCC steelhead	Lower Pruitt Creek
Bay Area Region/Multi-County	240736	CCC steelhead	Mainstem near Healdsburg
Bay Area Region/Multi-County	240736	CCC steelhead	Mark West Creek
Bay Area Region/Multi-County	240736	CCC steelhead	Middle reach of Windsor Creek
Bay Area Region/Multi-County	240736	CCC steelhead	Pool Creek
Total Projects Bay Area/Multi County			9
Contra Costa	22122	CCC steelhead	San Francisco Bay, South
Contra Costa	230613	CCC steelhead	Carquinez Straits
Contra Costa	230613	CCC steelhead	Suisun Bay
Contra Costa	230613	Central Valley Steelhead	
Total Projects Contra Costa County			2
Marin	21325	CCC steelhead	Corte Madera Creek
Napa	230508	CCC steelhead	Dry Creek
Napa	240057X	CCC steelhead	Suscol Creek
Napa	240617	CCC steelhead	Napa Creek
Napa	240617	CCC steelhead	Napa River
Napa	240617	CCC steelhead	Suscol Creek
Napa	240617	CCC steelhead	Tulucay Creek
Total Projects Napa County			4
San Mateo	21608	CCC steelhead	San Francisquito Creek
San Mateo	21893	CCC steelhead	Apanolio Cr
San Mateo	21893	CCC steelhead	Pilarcitos Creek
San Mateo	22120	CCC steelhead	San Francisco Bay, South
San Mateo	22726	CCC steelhead	San Francisco Bay, South
San Mateo	240026	CCC steelhead	San Francisquito Creek
San Mateo	240027	CCC steelhead	San Francisquito Creek
San Mateo	240114	CCC steelhead	Denniston Creek

TABLE H-3B: TIP LINEAR PROJECT

<i>County</i>	<i>RTP_ID</i>	<i>ESU</i>	<i>Stream</i>
San Mateo	240114	CCC steelhead	Frenchmans Creek
San Mateo	240114	CCC steelhead	San Pedro Creek
San Mateo	240590	CCC steelhead	San Francisquito Creek
Total Projects San Mateo County			7
Santa Clara	21714	SCCC steelhead	Pajaro River
Santa Clara	21714	SCCC steelhead	Tar Creek
Santa Clara	21714	SCCC steelhead	Uvas Creek
Santa Clara	21760	SCCC steelhead	Llagas Creek
Santa Clara	21922	CCC steelhead	Guadulpe River
Santa Clara	22910	SCCC steelhead	Uvas Creek
Santa Clara	22932	SCCC steelhead	Llagas Cr
Santa Clara	22932	SCCC steelhead	Uvas Creek
Santa Clara	22944	CCC steelhead	Coyote Creek (Santa Clara)
Santa Clara	230235	SCCC steelhead	Llagas Creek
Santa Clara	230267	CCC steelhead	Coyote Creek (Santa Clara)
Santa Clara	230267	CCC steelhead	Guadulpe River
Santa Clara	230294	SCCC steelhead	Carnadero Creek
Santa Clara	230294	SCCC steelhead	Cedar Creek
Santa Clara	230294	SCCC steelhead	Pacheco Creek
Santa Clara	230294	SCCC steelhead	Uvas Creek
Santa Clara	230457	CCC steelhead	Coyote Creek (Santa Clara)
Santa Clara	240117	CCC steelhead	Coyote Creek (Santa Clara)
Santa Clara	240119	CCC steelhead	Coyote Creek (Santa Clara)
Santa Clara	240119	CCC steelhead	Stevens Creek
Santa Clara	240159	CCC steelhead	Coyote Creek (Santa Clara)
Santa Clara	240374	CCC steelhead	Upper Penitencia Creek
Santa Clara	240375	CCC steelhead	Coyote Creek (Santa Clara)
Santa Clara	240377	CCC steelhead	Stevens Creek
Santa Clara	240385	SCCC steelhead	Uvas Creek
Santa Clara	240463	CCC steelhead	Coyote Creek (Santa Clara)
Santa Clara	240466	CCC steelhead	Coyote Creek (Santa Clara)
Santa Clara	240466	CCC steelhead	Guadulpe River
Santa Clara	240466	CCC steelhead	San Francisquito Creek
Santa Clara	240466	CCC steelhead	Stevens Creek
Santa Clara	240481	CCC steelhead	Guadulpe River
Santa Clara	240484	CCC steelhead	Coyote Creek (Santa Clara)
Santa Clara	240485	SCCC steelhead	Llagas Creek
Santa Clara	240492	SCCC steelhead	Uvas Creek
Santa Clara	240513	CCC steelhead	Stevens Creek
Santa Clara	240514	CCC steelhead	Coyote Creek (Santa Clara)
Santa Clara	240516	CCC steelhead	Upper Penitencia Creek
Santa Clara	240517	CCC steelhead	Guadulpe River
Santa Clara	240518	CCC steelhead	Stevens Creek
Santa Clara	240671	CCC steelhead	Coyote Creek (Santa Clara)
Total Projects Santa Clara County			29
Sonoma	240737	CC Chinook	Middle Reach of Mainstem
Sonoma	240737	CCC steelhead	Foss Creek
Sonoma	240737	CCC steelhead	Mainstem near Healdsburg
Sonoma	98147	CCC steelhead	Lynch Creek
Sonoma	98147	CCC steelhead	Petaluma River
Total Projects Sonoma County			2

TABLE H-4A: PDAs That May Impact Wetlands

County	PDA	Wetland Type	Acres	
Alameda	Alameda: Naval Air Station	Estuarine and Marine Deepwater	845.4709	1
Alameda	Alameda: Naval Air Station	Estuarine and Marine Wetland	8.7624	
Alameda	Alameda: Naval Air Station	Freshwater Emergent Wetland	29.0014	
Alameda	Alameda: Naval Air Station	Freshwater Pond	2.469	
Alameda	Alameda: Northern Waterfront	Estuarine and Marine Deepwater	20.1403	1
Alameda	Dublin: Town Center	Freshwater Pond	0.5898	1
Alameda	Dublin: Transit Center	Freshwater Emergent Wetland	1.2165	1
Alameda	Dublin: Transit Center	Freshwater Forested/Shrub Wetland	0.6726	
Alameda	Dublin: Transit Center	Freshwater Pond	1.9987	
Alameda	Emeryville: Mixed-Use Core	Estuarine and Marine Wetland	0.3094	1
Alameda	Fremont: Centerville	Freshwater Emergent Wetland	18.1372	1
Alameda	Fremont: Centerville	Freshwater Pond	19.8557	
Alameda	Fremont: City Center	Freshwater Emergent Wetland	2.3093	1
Alameda	Fremont: City Center	Freshwater Forested/Shrub Wetland	5.5533	
Alameda	Fremont: City Center	Freshwater Pond	2.0433	
Alameda	Fremont: Irvington District	Freshwater Emergent Wetland	0.3941	
Alameda	Fremont: Irvington District	Freshwater Forested/Shrub Wetland	0.0701	1
Alameda	Fremont: Irvington District	Freshwater Pond	0.0387	
Alameda	Fremont: South Fremont/Warm Springs	Freshwater Emergent Wetland	14.622	1
Alameda	Fremont: South Fremont/Warm Springs	Freshwater Pond	0.2664	
Alameda	Livermore: Isabel Avenue/BART Station Planning Area	Freshwater Emergent Wetland	5.8496	1
Alameda	Livermore: Vasco Road Station Planning Area	Freshwater Emergent Wetland	1.9668	1
Alameda	Livermore: Vasco Road Station Planning Area	Other	0.332	
Alameda	Newark: Dumbarton Transit Oriented Development	Estuarine and Marine Deepwater	1.1334	1
Alameda	Newark: Dumbarton Transit Oriented Development	Estuarine and Marine Wetland	0.3402	
Alameda	Newark: Dumbarton Transit Oriented Development	Freshwater Emergent Wetland	36.3665	
Alameda	Newark: Dumbarton Transit Oriented Development	Freshwater Pond	3.5145	
Alameda	Newark: Dumbarton Transit Oriented Development	Lake	4.9691	
Alameda	Newark: Dumbarton Transit Oriented Development	Other	5.0643	
Alameda	Oakland: Coliseum BART Station Area	Estuarine and Marine Wetland	9.0975	1
Alameda	Oakland: Downtown & Jack London Square	Estuarine and Marine Deepwater	54.8929	1
Alameda	Oakland: Transit Oriented Development Corridors	Estuarine and Marine Deepwater	45.8795	1
Alameda	Oakland: Transit Oriented Development Corridors	Estuarine and Marine Wetland	4.3622	
Alameda	Oakland: Transit Oriented Development Corridors	Freshwater Emergent Wetland	28.025	
Alameda	Oakland: Transit Oriented Development Corridors	Freshwater Forested/Shrub Wetland	2.6363	
Alameda	Oakland: Transit Oriented Development Corridors	Freshwater Pond	6.8821	
Alameda	Oakland: Transit Oriented Development Corridors	Lake	142.075	
Alameda	Oakland: West Oakland	Freshwater Emergent Wetland	0.5743	1
Alameda	Pleasanton: Hacienda	Other	2.9384	1
Alameda	San Leandro: Bay Fair BART Transit Village	Freshwater Pond	0.1092	1
Alameda	San Leandro: Downtown Transit Oriented Development	Freshwater Forested/Shrub Wetland	7.2038	1
Alameda	San Leandro: East 14th Street	Freshwater Forested/Shrub Wetland	0.5178	1
		Total Alameda County	1338.652	
Contra Costa	Antioch: Hillcrest eBART Station	Freshwater Emergent Wetland	1.7332	1
Contra Costa	Antioch: Hillcrest eBART Station	Freshwater Pond	1.1603	
Contra Costa	Antioch: Rivertown Waterfront	Freshwater Emergent Wetland	19.0493	1
Contra Costa	Antioch: Rivertown Waterfront	Freshwater Forested/Shrub Wetland	7.7776	
Contra Costa	Antioch: Rivertown Waterfront	Freshwater Pond	2.7991	
Contra Costa	Antioch: Rivertown Waterfront	Lake	1.4771	
Contra Costa	Antioch: Rivertown Waterfront	Other	1.5956	
Contra Costa	Antioch: Rivertown Waterfront	Riverine	17.6942	
Contra Costa	Concord: Community Reuse Area	Freshwater Forested/Shrub Wetland	0.5708	1
Contra Costa	Concord: Community Reuse Area	Freshwater Pond	5.1158	
Contra Costa	Concord: Downtown BART Station Planning	Freshwater Pond	7.5464	1
Contra Costa	Contra Costa County Unincorporated: North Richmond	Estuarine and Marine Wetland	18.0004	
Contra Costa	Contra Costa County Unincorporated: North Richmond	Freshwater Pond	49.7911	1
Contra Costa	Contra Costa County Unincorporated: North Richmond	Lake	0.0014	
Contra Costa	Contra Costa County Unincorporated: North Richmond	Other	0.1141	
Contra Costa	Contra Costa County Unincorporated: Pittsburg/Bay Point BART Stat	Freshwater Emergent Wetland	1.7485	1
Contra Costa	Danville: Downtown Danville	Freshwater Forested/Shrub Wetland	9.4165	1
Contra Costa	Hercules: Central Hercules	Freshwater Emergent Wetland	1.0677	1
Contra Costa	Hercules: Central Hercules	Freshwater Forested/Shrub Wetland	0.5639	
Contra Costa	Hercules: Central Hercules	Freshwater Pond	0.8106	
Contra Costa	Hercules: Waterfront District	Freshwater Emergent Wetland	0.9821	1
Contra Costa	Hercules: Waterfront District	Freshwater Forested/Shrub Wetland	0.6001	
Contra Costa	Hercules: Waterfront District	Freshwater Pond	3.3578	
Contra Costa	Martinez: Downtown	Estuarine and Marine Wetland	0.527	1
Contra Costa	Moraga: Moraga Center	Freshwater Forested/Shrub Wetland	12.6387	1
Contra Costa	Oakley: Downtown	Freshwater Emergent Wetland	0.021	1
Contra Costa	Oakley: Downtown	Freshwater Pond	0.1793	
Contra Costa	Oakley: Employment Area	Freshwater Emergent Wetland	54.2464	1
Contra Costa	Oakley: Employment Area	Freshwater Forested/Shrub Wetland	7.7655	
Contra Costa	Oakley: Employment Area	Freshwater Pond	4.5554	
Contra Costa	Oakley: Employment Area	Riverine	33.2872	
Contra Costa	Oakley: Potential Planning Area	Freshwater Emergent Wetland	0.7506	1
Contra Costa	Pittsburg: Downtown	Estuarine and Marine Deepwater	16.7759	1
Contra Costa	Pittsburg: Downtown	Freshwater Pond	12.6946	
Contra Costa	Richmond: South Richmond	Estuarine and Marine Deepwater	12.7286	1
Contra Costa	Richmond: South Richmond	Estuarine and Marine Wetland	52.6161	
Contra Costa	Richmond: South Richmond	Freshwater Pond	6.0991	
Contra Costa	San Ramon: City Center	Freshwater Pond	8.0101	1

TABLE H-4A: PDAs That May Impact Wetlands

County	PDA	Wetland Type	Acres	
Contra Costa	SUB-AREA: West Contra Costa Transportation Advisory Committee:	Freshwater Forested/Shrub Wetland	0.1096	1
Total Contra Costa County			375.9787	
Marin	Marin County Unincorporated: Urbanized 101 Corridor	Estuarine and Marine Wetland	45.7754	1
Marin	Marin County Unincorporated: Urbanized 101 Corridor	Freshwater Emergent Wetland	3.9849	
Marin	Marin County Unincorporated: Urbanized 101 Corridor	Freshwater Forested/Shrub Wetland	4.7533	
Marin	Marin County Unincorporated: Urbanized 101 Corridor	Freshwater Pond	2.5916	
Marin	San Rafael: Civic Center/North Rafael Town Center	Estuarine and Marine Wetland	4.6135	1
Marin	San Rafael: Civic Center/North Rafael Town Center	Freshwater Emergent Wetland	0.3335	
Marin	San Rafael: Civic Center/North Rafael Town Center	Freshwater Pond	10.0992	
Marin	San Rafael: Downtown	Estuarine and Marine Deepwater	3.0099	1
Total Marin County			75.1613	
Napa	Napa: Downtown Napa	Riverine	0.4324	1
Napa	Napa: Soscol Gateway Corridor	Freshwater Emergent Wetland	13.5783	1
Napa	Napa: Soscol Gateway Corridor	Riverine	2.3058	
Total Napa County			16.3165	
San Francisco	San Francisco/San Mateo Bi-County Area (with City of Brisbane)	Estuarine and Marine Wetland	1.6802	1
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	Estuarine and Marine Deepwater	8.4426	1
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	Estuarine and Marine Wetland	1.5268	
San Francisco	San Francisco: Bayview/Hunters Point Shipyard/Candlestick Point	Other	0.1094	
San Francisco	San Francisco: Downtown-Van Ness-Geary	Estuarine and Marine Deepwater	0.0444	1
San Francisco	San Francisco: Eastern Neighborhoods	Estuarine and Marine Deepwater	5.406	1
San Francisco	San Francisco: Eastern Neighborhoods	Estuarine and Marine Wetland	0.8193	
San Francisco	San Francisco: Mission Bay	Estuarine and Marine Deepwater	3.8552	1
San Francisco	San Francisco: Port of San Francisco	Estuarine and Marine Deepwater	64.6194	1
San Francisco	San Francisco: Port of San Francisco	Estuarine and Marine Wetland	1.7246	
Total San Francisco County			88.2279	
San Mateo	Daly City: Mission Boulevard	Freshwater Forested/Shrub Wetland	0.66	1
San Mateo	Daly City: Mission Boulevard	Freshwater Pond	0.0893	
San Mateo	East Palo Alto: Ravenswood	Estuarine and Marine Deepwater	0.0487	1
San Mateo	East Palo Alto: Ravenswood	Estuarine and Marine Wetland	27.9677	
San Mateo	East Palo Alto: Ravenswood	Freshwater Emergent Wetland	2.3556	
San Mateo	East Palo Alto: Ravenswood	Lake	2.5536	
San Mateo	Redwood City: Veterans Corridor	Estuarine and Marine Deepwater	2.9961	1
San Mateo	Redwood City: Veterans Corridor	Estuarine and Marine Wetland	2.5359	
San Mateo	San Bruno: Transit Corridors	Freshwater Emergent Wetland	0.1564	1
San Mateo	San Francisco/San Mateo Bi-County Area (with San Francisco)	Estuarine and Marine Deepwater	101.4467	1
San Mateo	San Francisco/San Mateo Bi-County Area (with San Francisco)	Estuarine and Marine Wetland	10.7435	
San Mateo	San Francisco/San Mateo Bi-County Area (with San Francisco)	Freshwater Emergent Wetland	5.8463	
San Mateo	San Francisco/San Mateo Bi-County Area (with San Francisco)	Freshwater Pond	0.7107	
San Mateo	San Mateo: Rail Corridor	Freshwater Pond	0.6353	1
San Mateo	SUB-AREA: CCAG/Colma	Freshwater Pond	2.3069	1
San Mateo	SUB-AREA: CCAG/Menlo Park: El Camino Real Corridor and Downtown	Freshwater Pond	0.3632	1
San Mateo	SUB-AREA: CCAG/Millbrae: Transit Station Area	Freshwater Emergent Wetland	1.9417	1
San Mateo	SUB-AREA: CCAG/Redwood City: Downtown	Freshwater Emergent Wetland	3.6178	1
San Mateo	SUB-AREA: CCAG/San Carlos: Railroad Corridor	Estuarine and Marine Wetland	0.0255	1
San Mateo	SUB-AREA: CCAG/San Mateo: Downtown	Freshwater Pond	0.5314	1
Total San Mateo County			167.5323	
Santa Clara	Campbell: VTA City Cores, Corridors & Station Areas	Freshwater Pond	0.5289	1
Santa Clara	Campbell: VTA City Cores, Corridors & Station Areas	Other	4.8219	
Santa Clara	Cupertino: VTA City Cores, Corridors & Station Areas	Freshwater Pond	1.4856	1
Santa Clara	Los Gatos: VTA City Cores, Corridors & Station Areas	Freshwater Forested/Shrub Wetland	1.0323	
Santa Clara	Los Gatos: VTA City Cores, Corridors & Station Areas	Freshwater Pond	0.0067	
Santa Clara	Los Gatos: VTA City Cores, Corridors & Station Areas	Riverine	0.0669	
Santa Clara	Morgan Hill: Downtown	Freshwater Emergent Wetland	0.1633	1
Santa Clara	Morgan Hill: Downtown	Riverine	0.2932	
Santa Clara	Mountain View: Downtown	Freshwater Pond	0.1805	1
Santa Clara	Mountain View: El Camino Real Corridor	Freshwater Pond	0.6203	1
Santa Clara	Mountain View: North Bayshore	Estuarine and Marine Deepwater	0.3728	1
Santa Clara	Mountain View: North Bayshore	Freshwater Emergent Wetland	2.8614	
Santa Clara	Mountain View: North Bayshore	Freshwater Pond	0.2908	
Santa Clara	Mountain View: North Bayshore	Other	7.804	
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	Freshwater Pond	0.1469	1
Santa Clara	San Jose: Berryessa Station	Freshwater Forested/Shrub Wetland	13.4713	1
Santa Clara	San Jose: Cottle Transit Village	Freshwater Pond	1.8632	1
Santa Clara	San Jose: Downtown "Frame"	Freshwater Forested/Shrub Wetland	0.9365	1
Santa Clara	San Jose: East Santa Clara/Alum Rock Corridor	Freshwater Forested/Shrub Wetland	18.0495	1
Santa Clara	San Jose: North San Jose	Estuarine and Marine Deepwater	9.0709	1
Santa Clara	San Jose: North San Jose	Estuarine and Marine Wetland	7.5203	
Santa Clara	San Jose: North San Jose	Freshwater Emergent Wetland	30.7598	
Santa Clara	San Jose: North San Jose	Freshwater Forested/Shrub Wetland	85.8384	
Santa Clara	San Jose: North San Jose	Freshwater Pond	4.1082	
Santa Clara	San Jose: North San Jose	Other	9.9539	
Santa Clara	San Jose: Oakridge/Almaden Plaza Urban Village	Freshwater Pond	0.0339	1
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	Freshwater Emergent Wetland	2.0867	1
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	Freshwater Forested/Shrub Wetland	6.4472	
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	Lake	4.7034	
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	Riverine	3.678	
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas	Estuarine and Marine Deepwater	3.5909	
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas	Estuarine and Marine Wetland	3.7007	1
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas	Freshwater Pond	1.4591	
Santa Clara	Sunnyvale: East Sunnyvale ITR	Freshwater Emergent Wetland	1.4682	1

TABLE H-4A: PDAs That May Impact Wetlands

<i>County</i>	<i>PDA</i>	<i>Wetland Type</i>	<i>Acres</i>	
Santa Clara	Sunnyvale: East Sunnyvale ITR	Freshwater Pond	1.2966	
Santa Clara	Sunnyvale: East Sunnyvale ITR	Other	10.5236	
Santa Clara	Sunnyvale: El Camino Real Corridor	Freshwater Pond	4.0923	1
Santa Clara	Sunnyvale: VTA City Cores, Corridors & Station Areas	Estuarine and Marine Wetland	0.1013	1
Santa Clara	Sunnyvale: VTA City Cores, Corridors & Station Areas	Freshwater Emergent Wetland	2.5192	
		Total Santa Clara County	247.9486	
Solano	Benicia: Downtown	Estuarine and Marine Wetland	3.0683	1
Solano	Benicia: Northern Gateway	Estuarine and Marine Wetland	23.5016	1
Solano	Benicia: Northern Gateway	Freshwater Emergent Wetland	61.3953	
Solano	Benicia: Northern Gateway	Freshwater Forested/Shrub Wetland	0.6476	
Solano	Benicia: Northern Gateway	Freshwater Pond	13.5363	
Solano	Benicia: Northern Gateway	Other	2.417	
Solano	Fairfield: Downtown South (Jefferson Street)	Freshwater Emergent Wetland	17.3668	1
Solano	Fairfield: Fairfield-Vacaville Train Station	Freshwater Emergent Wetland	5.0102	1
Solano	Fairfield: Fairfield-Vacaville Train Station	Freshwater Pond	3.812	
Solano	Fairfield: North Texas Street Core	Freshwater Pond	0.1197	1
Solano	Suisun City: Downtown & Waterfront	Estuarine and Marine Deepwater	9.0809	1
Solano	Suisun City: Downtown & Waterfront	Estuarine and Marine Wetland	7.1492	
Solano	Suisun City: Downtown & Waterfront	Freshwater Emergent Wetland	4.5236	
Solano	Vallejo: Waterfront & Downtown	Estuarine and Marine Deepwater	21.3592	1
Solano	Vallejo: Waterfront & Downtown	Estuarine and Marine Wetland	0.2819	
Solano	Vallejo: Waterfront & Downtown	Freshwater Emergent Wetland	9.1828	
		Total Solano County	182.4524	
Sonoma	Petaluma: Central, Turning Basin/Lower Reach	Estuarine and Marine Deepwater	51.3975	1
Sonoma	Petaluma: Central, Turning Basin/Lower Reach	Freshwater Pond	0.8756	
Sonoma	Petaluma: Central, Turning Basin/Lower Reach	Riverine	3.9	
Sonoma	Rohnert Park: Sonoma Mountain Village	Freshwater Pond	0.3719	1
		Total Sonoma County	56.545	88

TABLE H-4B: TIP LINEAR PROJECTS THAT MAY IMPACT WETLANDS

<i>County</i>	<i>RTP_ID</i>	<i>Wetland Type</i>	<i>Road Length (mi)</i>
Alameda	21131	Estuarine and Marine Deepwater	0.02
Alameda	22009	Estuarine and Marine Deepwater	0.14
Alameda	22509	Estuarine and Marine Deepwater	15.22
Alameda	22780	Estuarine and Marine Deepwater	3.34
Alameda	240018	Estuarine and Marine Deepwater	0.53
Alameda	240077	Estuarine and Marine Deepwater	0.06
Alameda	240207	Estuarine and Marine Deepwater	0.14
Alameda	98207	Estuarine and Marine Deepwater	0.41
Alameda	22009	Estuarine and Marine Wetland	1.95
Alameda	22509	Estuarine and Marine Wetland	0.04
Alameda	22780	Estuarine and Marine Wetland	0.09
Alameda	230054	Estuarine and Marine Wetland	0.03
Alameda	230101	Estuarine and Marine Wetland	0.00
Alameda	240018	Estuarine and Marine Wetland	0.78
Alameda	240051	Estuarine and Marine Wetland	0.03
Alameda	21132	Freshwater Emergent Wetland	0.08
Alameda	22009	Freshwater Emergent Wetland	1.95
Alameda	240018	Freshwater Emergent Wetland	0.12
Alameda	240272	Freshwater Emergent Wetland	0.13
Alameda	94506	Freshwater Emergent Wetland	0.04
Alameda	21132	Freshwater Forested/Shrub Wetland	0.17
Alameda	22455	Freshwater Forested/Shrub Wetland	0.01
Alameda	21132	Lake	0.09
Alameda	22009	Lake	0.06
Alameda	240018	Lake	2.06
Alameda	240018	Other	0.65
Alameda	240272	Other	0.13
Alameda	22776	Riverine	0.01
Total Alameda County			28.27
Bay Area Region/Multi-County	21012	Estuarine and Marine Deepwater	0.99
Bay Area Region/Multi-County	21013	Estuarine and Marine Deepwater	10.56
Bay Area Region/Multi-County	21320	Estuarine and Marine Deepwater	0.99
Bay Area Region/Multi-County	22001	Estuarine and Marine Deepwater	0.02
Bay Area Region/Multi-County	22511	Estuarine and Marine Deepwater	6.89
Bay Area Region/Multi-County	22636	Estuarine and Marine Deepwater	3.16
Bay Area Region/Multi-County	230221	Estuarine and Marine Deepwater	0.33
Bay Area Region/Multi-County	230612	Estuarine and Marine Deepwater	49.56
Bay Area Region/Multi-County	230658	Estuarine and Marine Deepwater	0.01
Bay Area Region/Multi-County	230712	Estuarine and Marine Deepwater	0.98
Bay Area Region/Multi-County	21013	Estuarine and Marine Wetland	6.34
Bay Area Region/Multi-County	22001	Estuarine and Marine Wetland	1.69
Bay Area Region/Multi-County	22511	Estuarine and Marine Wetland	0.03
Bay Area Region/Multi-County	230668	Estuarine and Marine Wetland	0.03
Bay Area Region/Multi-County	230685	Estuarine and Marine Wetland	0.04
Bay Area Region/Multi-County	240587	Estuarine and Marine Wetland	0.04
Bay Area Region/Multi-County	240588	Estuarine and Marine Wetland	0.04
Bay Area Region/Multi-County	22001	Freshwater Emergent Wetland	2.12
Bay Area Region/Multi-County	230668	Freshwater Emergent Wetland	0.05
Bay Area Region/Multi-County	240587	Freshwater Emergent Wetland	0.06
Bay Area Region/Multi-County	22001	Freshwater Forested/Shrub Wetland	0.11
Bay Area Region/Multi-County	22001	Freshwater Pond	0.09
Bay Area Region/Multi-County	21013	Lake	0.22

TABLE H-4B: TIP LINEAR PROJECTS THAT MAY IMPACT WETLANDS

<i>County</i>	<i>RTP_ID</i>	<i>Wetland Type</i>	<i>Road Length (mi)</i>
Bay Area Region/Multi-County	21013	Other	0.81
Bay Area Region/Multi-County	22001	Other	1.27
Bay Area Region/Multi-County	230673	Other	0.15
Bay Area Region/Multi-County	21013	Riverine	0.68
Bay Area Region/Multi-County	22001	Riverine	0.03
Bay Area Region/Multi-County	230612	Riverine	1.37
Bay Area Region/Multi-County	240583	Riverine	0.01
Total Bay Area/Multi County			88.70
Contra Costa	22122	Estuarine and Marine Deepwater	8.64
Contra Costa	230613	Estuarine and Marine Deepwater	22.42
Contra Costa	230613	Estuarine and Marine Wetland	0.31
Contra Costa	22400	Freshwater Emergent Wetland	0.01
Contra Costa	22604	Freshwater Emergent Wetland	0.01
Contra Costa	230216	Freshwater Emergent Wetland	0.06
Contra Costa	98194	Freshwater Emergent Wetland	0.02
Contra Costa	22400	Riverine	0.05
Total Contra Costa County			31.52
Marin	21325	Estuarine and Marine Deepwater	0.09
Marin	240552	Estuarine and Marine Wetland	0.03
Total Marin County			0.12
Napa	240617	Estuarine and Marine Wetland	0.50
Napa	240617	Freshwater Emergent Wetland	0.09
Napa	240617	Riverine	0.02
Total Napa County			0.61
San Francisco	21549	Estuarine and Marine Deepwater	0.06
San Francisco	22512	Estuarine and Marine Deepwater	1.85
San Francisco	240147	Estuarine and Marine Wetland	0.14
Total San Francisco County			2.05
San Mateo	21613	Estuarine and Marine Deepwater	0.06
San Mateo	22120	Estuarine and Marine Deepwater	21.18
San Mateo	22726	Estuarine and Marine Deepwater	13.40
San Mateo	230428	Estuarine and Marine Deepwater	0.03
San Mateo	22120	Estuarine and Marine Wetland	1.72
San Mateo	230592	Estuarine and Marine Wetland	0.07
San Mateo	240060	Estuarine and Marine Wetland	0.07
San Mateo	240114	Freshwater Emergent Wetland	0.02
San Mateo	240114	Freshwater Forested/Shrub Wetland	0.03
San Mateo	21613	Lake	0.02
Total San Mateo County			36.60
Santa Clara	240466	Estuarine and Marine Deepwater	0.02
Santa Clara	240481	Estuarine and Marine Deepwater	0.03
Santa Clara	240481	Estuarine and Marine Wetland	0.05
Santa Clara	230294	Freshwater Emergent Wetland	0.02
Santa Clara	240439	Freshwater Emergent Wetland	0.13
Santa Clara	240466	Freshwater Emergent Wetland	0.00
Santa Clara	240481	Freshwater Emergent Wetland	0.41
Santa Clara	22932	Freshwater Forested/Shrub Wetland	0.01
Santa Clara	22944	Freshwater Forested/Shrub Wetland	0.10
Santa Clara	230267	Freshwater Forested/Shrub Wetland	0.13
Santa Clara	230294	Freshwater Forested/Shrub Wetland	0.30
Santa Clara	230457	Freshwater Forested/Shrub Wetland	0.03
Santa Clara	240117	Freshwater Forested/Shrub Wetland	0.04

TABLE H-4C: TIP POINT PROJECTS THAT MAY IMPACT WETLANDS

<i>County</i>	<i>RTP_ID</i>	<i>Wetland Type</i>	
Alameda	240226	Estuarine and Marine Wetland	
Alameda	240175	Freshwater Emergent Wetland	
Alameda	240101	Estuarine and Marine Deepwater	
Alameda	240324	Estuarine and Marine Deepwater	
Alameda	240100	Estuarine and Marine Deepwater	
Total Projects Alameda County			5
Bay Area Region/Multi-County	22006	Estuarine and Marine Deepwater	
Bay Area Region/Multi-County	230581	Estuarine and Marine Deepwater	
Bay Area Region/Multi-County	230581	Estuarine and Marine Deepwater	
Bay Area Region/Multi-County	230581	Estuarine and Marine Deepwater	
Bay Area Region/Multi-County	230581	Estuarine and Marine Deepwater	
Total Projects Multi County			2
San Francisco	240487	Estuarine and Marine Deepwater	
San Francisco	240487	Estuarine and Marine Deepwater	
Total Projects Alameda County			1
Santa Clara	240498	Freshwater Forested/Shrub Wetland	
Santa Clara	240671	Freshwater Forested/Shrub Wetland	
Total Projects Alameda County			2

TABLE H-4D: TIP POLYGON PROJECT

<i>County</i>	<i>RTP_ID</i>	<i>Wetland Type</i>	<i>Acres</i>
San Francisco	240400	Estuarine and Marine Deepwater	1.54
San Francisco	240728	Estuarine and Marine Deepwater	540.83
San Francisco	240728	Estuarine and Marine Wetland	3.29
Total			545.66

TABLE H-5A: PDAs That May Impact Other Waters of the U.S.

<i>County</i>	<i>PDA</i>	<i>Stream name</i>	<i>Length (mi)</i>
Alameda	Alameda County Unincorporated: Castro Valley BART		0.6315
Alameda	Alameda County Unincorporated: Hesperian Corridor	San Lorenzo Creek	0.2636
Alameda	Albany: San Pablo Avenue & Solano Avenue	Codornices Creek	0.0366
Alameda	Dublin: Downtown Specific Plan Area		0.6342
Alameda	Dublin: Town Center		1.8231
Alameda	Dublin: Town Center	Tassajara Creek	0.4829
Alameda	Dublin: Transit Center		2.4971
Alameda	East 14th Street and Mission Boulevard Mixed Use Corridor		0.3041
Alameda	East 14th Street and Mission Boulevard Mixed Use Corridor	San Lorenzo Creek	1.0685
Alameda	Fremont: Centerville		0.9671
Alameda	Fremont: Centerville	Coyote Hills Slough	0.6028
Alameda	Fremont: City Center		0.6437
Alameda	Fremont: Irvington District		2.8814
Alameda	Fremont: South Fremont/Warm Springs		0.5776
Alameda	Fremont: South Fremont/Warm Springs	Agua Caliente Creek	1.0265
Alameda	Fremont: South Fremont/Warm Springs	Agua Fria Creek	0.4818
Alameda	Fremont: South Fremont/Warm Springs	Aliso, Cañada Del	0.3454
Alameda	Fremont: South Fremont/Warm Springs	Scott Creek	0.4226
Alameda	Fremont: South Fremont/Warm Springs	Toroges Creek	0.3533
Alameda	Hayward: Downtown		0.3426
Alameda	Hayward: Downtown	San Lorenzo Creek	0.5413
Alameda	Hayward: Mission Corridor		0.0764
Alameda	Hayward: Mission Corridor	Ward Creek	0.7119
Alameda	Hayward: South Hayward BART		0.0861
Alameda	Livermore: Isabel Avenue/BART Station Planning Area		2.6634
Alameda	Livermore: Isabel Avenue/BART Station Planning Area	Positas, Arroyo Las	1.5748
Alameda	Livermore: Vasco Road Station Planning Area		2.4225
Alameda	Livermore: Vasco Road Station Planning Area	Seco, Arroyo	1.5098
Alameda	Newark: Dumbarton Transit Oriented Development		1.4676
Alameda	Oakland: Coliseum BART Station Area		0.8103
Alameda	Oakland: Coliseum BART Station Area	Lion Creek	0.5766
Alameda	Oakland: Coliseum BART Station Area	Viejo, Arroyo	0.8752
Alameda	Oakland: Eastmont Town Center	Viejo, Arroyo	0.0215
Alameda	Oakland: Fruitvale & Dimond Areas		0.2219
Alameda	Oakland: Fruitvale & Dimond Areas	Peralta Creek	0.0444
Alameda	Oakland: Fruitvale & Dimond Areas	Sausal Creek	1.0701
Alameda	Oakland: Transit Oriented Development Corridors		2.1924
Alameda	Oakland: Transit Oriented Development Corridors	Claremont Creek	0.0009
Alameda	Oakland: Transit Oriented Development Corridors	Glen Echo Creek	0.7335
Alameda	Oakland: Transit Oriented Development Corridors	Peralta Creek	0.7682
Alameda	Oakland: Transit Oriented Development Corridors	San Leandro Creek	0.0358
Alameda	Oakland: Transit Oriented Development Corridors	Sausal Creek	0.5306
Alameda	Oakland: Transit Oriented Development Corridors	Viejo, Arroyo	0.6772
Alameda	Pleasanton: Hacienda		2.2721
Alameda	Pleasanton: Hacienda	Arroyo Mocho	0.6029
Alameda	Pleasanton: Hacienda	Tassajara Creek	1.1226
Alameda	San Leandro: Bay Fair BART Transit Village		0.7712
Alameda	San Leandro: Downtown Transit Oriented Development	San Leandro Creek	0.9973
Alameda	San Leandro: East 14th Street	San Leandro Creek	0.0733
Alameda	Union City: Intermodal Station District		0.3889
		Total Alameda County	42.2271
Contra Costa	Antioch: Hillcrest eBART Station		1.649
Contra Costa	Antioch: Rivertown Waterfront		1.2991
Contra Costa	Concord: Community Reuse Area		4.0363
Contra Costa	Concord: Community Reuse Area	Clayton Canal	0.4007
Contra Costa	Concord: Community Reuse Area	Mount Diablo Creek	5.1609
Contra Costa	Concord: Downtown BART Station Planning	Pine Creek	0.0716
Contra Costa	Contra Costa County Unincorporated: Contra Costa Centre	Walnut Creek	0.0158
Contra Costa	Contra Costa County Unincorporated: Downtown El Sobrante		1.0415

TABLE H-5A: PDAs That May Impact Other Waters of the U.S.

<i>County</i>	<i>PDA</i>	<i>Stream name</i>	<i>Length (mi)</i>
Contra Costa	Contra Costa County Unincorporated: Downtown El Sobrante	San Pablo Creek	0.3873
Contra Costa	Contra Costa County Unincorporated: North Richmond		0.4866
Contra Costa	Contra Costa County Unincorporated: North Richmond	San Pablo Creek	1.3634
Contra Costa	Contra Costa County Unincorporated: North Richmond	Wildcat Creek	1.1906
Contra Costa	Contra Costa County Unincorporated: Pittsburg/Bay Point BART		1.9065
Contra Costa	Danville: Downtown Danville		0.1145
Contra Costa	Danville: Downtown Danville	Green Valley Creek	0.2124
Contra Costa	Danville: Downtown Danville	San Ramon Creek	0.9826
Contra Costa	El Cerrito: San Pablo Avenue Corridor	Cerrito Creek	0.1825
Contra Costa	Hercules: Central Hercules		0.6698
Contra Costa	Hercules: Central Hercules	Refugio Creek	0.2904
Contra Costa	Hercules: Waterfront District		0.7374
Contra Costa	Hercules: Waterfront District	Refugio Creek	0.8564
Contra Costa	Lafayette: Downtown		1.1431
Contra Costa	Lafayette: Downtown	Lafayette Creek	0.9223
Contra Costa	Lafayette: Downtown	Las Trampas Creek	0.0627
Contra Costa	Martinez: Downtown	Hambre, Arroyo del	0.6293
Contra Costa	Moraga: Moraga Center		0.9561
Contra Costa	Oakley: Potential Planning Area	Marsh Creek	0.0462
Contra Costa	Orinda: Downtown		0.2495
Contra Costa	Orinda: Downtown	San Pablo Creek	0.4931
Contra Costa	Pinole: Old Town & San Pablo Avenue	Pinole Creek	0.5543
Contra Costa	Pittsburg: Pittsburg/Bay Point BART Station		0.4857
Contra Costa	Pittsburg: Railroad Avenue eBART Station		1.6072
Contra Costa	Pittsburg: Railroad Avenue eBART Station	Kirker Creek	0.6401
Contra Costa	Pleasant Hill: Buskirk Avenue Corridor		0.6714
Contra Costa	Pleasant Hill: Buskirk Avenue Corridor	Walnut Creek	0.0415
Contra Costa	Pleasant Hill: Diablo Valley College	Grayson Creek	0.2831
Contra Costa	Richmond: South Richmond		1.2155
Contra Costa	San Pablo: San Pablo Avenue		0.0049
Contra Costa	San Pablo: San Pablo Avenue	San Pablo Creek	0.214
Contra Costa	San Pablo: San Pablo Avenue	Wildcat Creek	0.5874
Contra Costa	San Ramon: City Center		0.2552
Contra Costa	San Ramon: City Center	South San Ramon Creek	0.6423
Contra Costa	SUB-AREA: West Contra Costa Transportation Advisory Committ		0.0736
Contra Costa	SUB-AREA: West Contra Costa Transportation Advisory Committ	Garrity Creek	0.018
Contra Costa	SUB-AREA: West Contra Costa Transportation Advisory Committ	Rodeo Creek	0.2679
		Total Contra Costa County	35.1197
Marin	Marin County Unincorporated: Urbanized 101 Corridor		0.7413
Marin	Marin County Unincorporated: Urbanized 101 Corridor	Coyote Creek	0.2946
Marin	Marin County Unincorporated: Urbanized 101 Corridor	Miller Creek	0.4552
Marin	San Rafael: Civic Center/North Rafael Town Center		0.984
Marin	San Rafael: Civic Center/North Rafael Town Center	South Fork Gallinas Creek	0.1233
Marin	San Rafael: Downtown		0.548
Marin	San Rafael: Downtown	San Rafael Creek	0.6164
		Total Marin County	3.7628
Napa	American Canyon: Highway 29 Corridor	American Canyon Creek	0.0266
Napa	American Canyon: Highway 29 Corridor	North Slough	0.0127
Napa	Napa: Downtown Napa		0.0165
Napa	Napa: Downtown Napa	Napa Creek	0.1817
Napa	Napa: Downtown Napa	Napa River	0.0027
Napa	Napa: Soscol Gateway Corridor		0.074
Napa	Napa: Soscol Gateway Corridor	Napa River	0.0177
Napa	Napa: Soscol Gateway Corridor	Tulucay Creek	0.1119
		Total Napa County	0.4438
San Mateo	Belmont: Villages of Belmont	Belmont Creek	0.1291
San Mateo	Burlingame: Burlingame El Camino Real		0.1112
San Mateo	Burlingame: Burlingame El Camino Real	Easton Creek	0.4932
San Mateo	Burlingame: Burlingame El Camino Real	Mills Creek	0.4842

TABLE H-5A: PDAs That May Impact Other Waters of the U.S.

<i>County</i>	<i>PDA</i>	<i>Stream name</i>	<i>Length (mi)</i>
San Mateo	Burlingame: Burlingame El Camino Real	Sanchez Creek	0.4587
San Mateo	East Palo Alto: Ravenswood		0.364
San Mateo	East Palo Alto: Ravenswood	San Francisco Bay	0.0003
San Mateo	Millbrae: Transit Station Area		0.3822
San Mateo	Redwood City: Downtown		0.4651
San Mateo	Redwood City: Downtown	Ojo De Agua, Arroyo	0.3984
San Mateo	Redwood City: Veterans Corridor		0.3555
San Mateo	San Bruno: Transit Corridors		0.7195
San Mateo	San Francisco/San Mateo Bi-County Area (with San Francisco)		0.5292
San Mateo	San Mateo: Downtown	San Mateo Creek	0.3157
San Mateo	San Mateo: El Camino		0.0316
San Mateo	San Mateo: El Camino	Laurel Creek	0.1555
San Mateo	San Mateo: Rail Corridor		0.3496
San Mateo	SUB-AREA: CCAG/Colma	Colma Creek	0.2558
San Mateo	SUB-AREA: CCAG/Menlo Park: El Camino Real Corridor and Dow	San Francisquito Creek	0.2058
San Mateo	SUB-AREA: CCAG/Millbrae: Transit Station Area		0.3923
San Mateo	SUB-AREA: CCAG/Redwood City: Downtown		0.3911
San Mateo	SUB-AREA: CCAG/Redwood City: Downtown	Cordilleras Creek	0.3049
San Mateo	SUB-AREA: CCAG/Redwood City: Downtown	Ojo De Agua, Arroyo	0.1831
San Mateo	SUB-AREA: CCAG/San Bruno: Transit Corridors		0.1833
San Mateo	SUB-AREA: CCAG/San Carlos: Railroad Corridor		0.2416
San Mateo	SUB-AREA: CCAG/San Carlos: Railroad Corridor	Belmont Creek	0.1523
San Mateo	SUB-AREA: CCAG/San Carlos: Railroad Corridor	Cordilleras Creek	0.21
San Mateo	SUB-AREA: CCAG/San Carlos: Railroad Corridor	Pulgas Creek	0.582
San Mateo	SUB-AREA: CCAG/San Mateo County	Belmont Creek	0.0361
San Mateo	SUB-AREA: CCAG/San Mateo County (North Fair Oaks)		0.9459
San Mateo	SUB-AREA: CCAG/San Mateo: Downtown		0.1684
San Mateo	SUB-AREA: CCAG/San Mateo: Downtown	Laurel Creek	0.2907
San Mateo	SUB-AREA: CCAG/San Mateo: Downtown	San Mateo Creek	0.2136
San Mateo	SUB-AREA: CCAG/South San Francisco		0.1933
San Mateo	SUB-AREA: CCAG/South San Francisco	Colma Creek	1.5858
		Total San Mateo County	12.279
Santa Clara	Campbell: Central Redevelopment Area	Gatos Creek, Los	0.208
Santa Clara	Campbell: VTA City Cores, Corridors & Station Areas		0.4806
Santa Clara	Campbell: VTA City Cores, Corridors & Station Areas	Gatos Creek, Los	0.2334
Santa Clara	Cupertino: VTA City Cores, Corridors & Station Areas	Calabazas Creek	0.1947
Santa Clara	Gilroy: Downtown		0.0409
Santa Clara	Gilroy: Downtown	Miller Slough	0.3877
Santa Clara	Gilroy: VTA City Cores, Corridors & Station Areas	Miller Slough	0.2791
Santa Clara	Los Gatos: VTA City Cores, Corridors & Station Areas	Gatos Creek, Los	0.1024
Santa Clara	Milpitas: Transit Area	Penitencia Creek	0.2212
Santa Clara	Milpitas: VTA City Cores, Corridors & Station Areas		0.4635
Santa Clara	Milpitas: VTA City Cores, Corridors & Station Areas	Coches, Arroyo De Los	0.1138
Santa Clara	Morgan Hill: Downtown		0.4958
Santa Clara	Mountain View: Downtown		0.3816
Santa Clara	Mountain View: Downtown	Stevens Creek	0.6597
Santa Clara	Mountain View: El Camino Real Corridor		0.1508
Santa Clara	Mountain View: El Camino Real Corridor	Permanente Creek	0.7289
Santa Clara	Mountain View: El Camino Real Corridor	Stevens Creek	0.5931
Santa Clara	Mountain View: North Bayshore	Mountain View Slough	0.0214
Santa Clara	Mountain View: North Bayshore	Permanente Creek	0.4088
Santa Clara	Mountain View: North Bayshore	Stevens Creek	0.1837
Santa Clara	Mountain View: San Antonio Center		0.6433
Santa Clara	Palo Alto: California Avenue	Matadero Creek	0.1702
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	Adobe Creek	0.0896
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	Barron Creek	0.1868
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	Matadero Creek	0.2404
Santa Clara	Palo Alto: VTA City Cores, Corridors & Station Areas	San Francisquito Creek	0.0405
Santa Clara	San Jose: Berryessa Station	Coyote Creek	0.9223

TABLE H-5A: PDAs That May Impact Other Waters of the U.S.

<i>County</i>	<i>PDA</i>	<i>Stream name</i>	<i>Length (mi)</i>
Santa Clara	San Jose: Berryessa Station	Upper Penitencia Creek	0.9645
Santa Clara	San Jose: Capitol Corridor Urban Villages	Upper Penitencia Creek	0.1956
Santa Clara	San Jose: Communications Hill	Canoas Creek	0.953
Santa Clara	San Jose: Downtown "Frame"	Gatos Creek, Los	0.1182
Santa Clara	San Jose: Downtown "Frame"	Guadalupe River	1.2093
Santa Clara	San Jose: East Santa Clara/Alum Rock Corridor		0.3092
Santa Clara	San Jose: East Santa Clara/Alum Rock Corridor	Coyote Creek	0.7416
Santa Clara	San Jose: East Santa Clara/Alum Rock Corridor	Silver Creek	0.1873
Santa Clara	San Jose: Greater Downtown	Gatos Creek, Los	0.4802
Santa Clara	San Jose: Greater Downtown	Guadalupe River	0.3921
Santa Clara	San Jose: North San Jose		1.5507
Santa Clara	San Jose: North San Jose	Coyote Creek	2.6116
Santa Clara	San Jose: North San Jose	Guadalupe River	2.4313
Santa Clara	San Jose: Stevens Creek TOD Corridor	San Tomas Aquinas Creek	0.1415
Santa Clara	San Jose: Stevens Creek TOD Corridor	Saratoga Creek	0.0674
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas		1.9516
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	Canoas Creek	0.2874
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	Coyote Creek	0.2994
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	Guadalupe River	0.3745
Santa Clara	San Jose: VTA City Cores, Corridors & Station Areas	Silver Creek	0.3264
Santa Clara	San Jose: West San Carlos and Southwest Expressway Corridors	Gatos Creek, Los	0.7345
Santa Clara	Santa Clara: El Camino Real Focus Area	Calabazas Creek	0.1183
Santa Clara	Santa Clara: El Camino Real Focus Area	San Tomas Aquinas Creek	0.0671
Santa Clara	Santa Clara: El Camino Real Focus Area	Saratoga Creek	0.0543
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas		0.0634
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas	Guadalupe River	0.2822
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas	San Tomas Aquinas Creek	0.1182
Santa Clara	Santa Clara: VTA City Cores, Corridors & Station Areas	Saratoga Creek	0.169
Santa Clara	Saratoga: VTA City Cores, Corridors & Station Areas	Saratoga Creek	0.2081
Santa Clara	Sunnyvale: Lawrence Station Transit Village	Calabazas Creek	0.2303
Santa Clara	Sunnyvale: Tasman Station ITR		0.7248
Santa Clara	Sunnyvale: VTA City Cores, Corridors & Station Areas		0.1203
Santa Clara	Sunnyvale: VTA City Cores, Corridors & Station Areas	Calabazas Creek	0.2233
		Total Santa Clara County	27.3488
Solano	Benicia: Northern Gateway		2.4123
Solano	Benicia: Northern Gateway	Goodyear Slough	0.9332
Solano	Benicia: Northern Gateway	Sulphur Springs Creek	1.7805
Solano	Fairfield: Downtown South (Jefferson Street)		0.5613
Solano	Fairfield: Fairfield-Vacaville Train Station		5.5889
Solano	Fairfield: Fairfield-Vacaville Train Station	Union Creek	3.4077
Solano	Fairfield: North Texas Street Core		0.0203
Solano	Fairfield: West Texas Street Gateway		0.0292
Solano	Fairfield: West Texas Street Gateway	Ledgewood Creek	0.2605
Solano	Suisun City: Downtown & Waterfront		0.0923
Solano	Suisun City: Downtown & Waterfront	Laurel Creek	0.4161
Solano	Suisun City: Downtown & Waterfront	Suisun Slough	0.0174
Solano	Vacaville: Allison Area	Ulatis Creek	0.7191
Solano	Vacaville: Downtown	Ulatis Creek	0.4017
		Total Solano County	16.6405
Sonoma	Cloverdale: Downtown/SMART Transit Area		1.0363
Sonoma	Cloverdale: Downtown/SMART Transit Area	Porterfield Creek	0.0469
Sonoma	Cloverdale: Downtown/SMART Transit Area	Russian River	0.3487
Sonoma	Cotati: Downtown and Cotati Depot	Laguna de Santa Rosa	0.1495
Sonoma	Petaluma: Central, Turning Basin/Lower Reach	McNear Channel	0.7032
Sonoma	Petaluma: Central, Turning Basin/Lower Reach	Petaluma River	1.8392
Sonoma	Rohnert Park: Central Rohnert Park		0.8229
Sonoma	Rohnert Park: Central Rohnert Park	Copeland Creek	0.7203
Sonoma	Rohnert Park: Central Rohnert Park	Hinebaugh Creek	0.5721
Sonoma	Santa Rosa: North Santa Rosa Station		1.8425

TABLE H-5A: PDAs That May Impact Other Waters of the U.S.

<i>County</i>	<i>PDA</i>	<i>Stream name</i>	<i>Length (mi)</i>
Sonoma	Santa Rosa: Roseland Area		1.3656
Sonoma	Santa Rosa: Roseland Area	Colgan Creek Flood Control Channel	2.0632
Sonoma	Santa Rosa: SUB-AREA: Downtown Station Area	Matanzas Creek	0.0804
Sonoma	Santa Rosa: SUB-AREA: Downtown Station Area	Santa Rosa Creek	1.2103
Sonoma	Santa Rosa: SUB-AREA: Mendocino Avenue/Santa Rosa Avenue		1.1207
Sonoma	Santa Rosa: SUB-AREA: Mendocino Avenue/Santa Rosa Avenue	Colgan Creek Flood Control Channel	0.5085
Sonoma	Santa Rosa: SUB-AREA: Mendocino Avenue/Santa Rosa Avenue	Matanzas Creek	0.1405
Sonoma	Santa Rosa: SUB-AREA: Mendocino Avenue/Santa Rosa Avenue	Santa Rosa Creek	0.0282
Sonoma	Santa Rosa: SUB-AREA: Sebastopol Road Corridor		0.1138
Sonoma	Sebastopol: Nexus Area	Laguna de Santa Rosa	0.4139
Sonoma	Windsor: Redevelopment Area		1.0935
Sonoma	Windsor: Redevelopment Area	Windsor Creek	0.5056
		Total Sonoma County	16.7258

TABLE H-5B: LINEAR TIP PROJECTS THAT MAY IMPACT OTHER WATERS OF THE U.S.

<i>County</i>	<i>RTP_ID</i>
Alameda	21116
Alameda	21131
Alameda	21132
Alameda	21473
Alameda	21484
Alameda	22009
Alameda	22013
Alameda	22063
Alameda	22455
Alameda	22455
Alameda	22509
Alameda	22664
Alameda	22670
Alameda	22776
Alameda	22780
Alameda	230052
Alameda	230054
Alameda	230083
Alameda	230101
Alameda	230114
Alameda	230157
Alameda	240018
Alameda	240050
Alameda	240051
Alameda	240062
Alameda	240076
Alameda	240094
Alameda	240196
Alameda	240200
Alameda	240202
Alameda	240264
Alameda	240272
Alameda	240683
Alameda	94506
Alameda	94506
Alameda	94506
Alameda	98207
Total Projects Alameda County	34
Bay Area Region/Multi-County	21012
Bay Area Region/Multi-County	21013
Bay Area Region/Multi-County	21013
Bay Area Region/Multi-County	21013
Bay Area Region/Multi-County	21013
Bay Area Region/Multi-County	21013
Bay Area Region/Multi-County	21013
Bay Area Region/Multi-County	21013
Bay Area Region/Multi-County	21013
Bay Area Region/Multi-County	21320
Bay Area Region/Multi-County	21627
Bay Area Region/Multi-County	22001
Bay Area Region/Multi-County	22042
Bay Area Region/Multi-County	22511
Bay Area Region/Multi-County	22636
Bay Area Region/Multi-County	230088

TABLE H-5B: LINEAR TIP PROJECTS THAT MAY IMPACT OTHER WATERS OF THE U.S.

<i>County</i>	<i>RTP_ID</i>
Bay Area Region/Multi-County	230221
Bay Area Region/Multi-County	230222
Bay Area Region/Multi-County	230612
Bay Area Region/Multi-County	230627
Bay Area Region/Multi-County	230656
Bay Area Region/Multi-County	230657
Bay Area Region/Multi-County	230658
Bay Area Region/Multi-County	230659
Bay Area Region/Multi-County	230660
Bay Area Region/Multi-County	230666
Bay Area Region/Multi-County	230668
Bay Area Region/Multi-County	230673
Bay Area Region/Multi-County	230685
Bay Area Region/Multi-County	230686
Bay Area Region/Multi-County	230712
Bay Area Region/Multi-County	240059
Bay Area Region/Multi-County	240061
Bay Area Region/Multi-County	240581
Bay Area Region/Multi-County	240583
Bay Area Region/Multi-County	240587
Bay Area Region/Multi-County	240588
Bay Area Region/Multi-County	240736
Bay Area Region/Multi-County	240736
Bay Area Region/Multi-County	94152
Total Projects Multi-County	32
Contra Costa	21211
Contra Costa	22351
Contra Costa	22353
Contra Costa	22400
Contra Costa	22602
Contra Costa	22604
Contra Costa	230202
Contra Costa	230205
Contra Costa	230216
Contra Costa	230232
Contra Costa	230233
Contra Costa	230236
Contra Costa	230237
Contra Costa	230238
Contra Costa	230250
Contra Costa	230308
Contra Costa	230318
Contra Costa	230535
Contra Costa	230538
Contra Costa	230597
Contra Costa	230613
Contra Costa	240355
Contra Costa	240584
Contra Costa	240629
Contra Costa	98115
Contra Costa	98133
Contra Costa	98134
Contra Costa	98194

TABLE H-5B: LINEAR TIP PROJECTS THAT MAY IMPACT OTHER WATERS OF THE U.S.

<i>County</i>	<i>RTP_ID</i>
Contra Costa	98196
Contra Costa	98999
Total Projects Contra Costa County	30
Marin	21325
Marin	240691
Marin	98154
Total Projects Marin County	3
Napa	230392
Napa	230508
Napa	230510
Napa	240057X
Napa	240617
Total Projects Napa County	5
San Francisco	21549
San Francisco	240147
Total Projects San Francisco County	2
San Mateo	21604
San Mateo	21608
San Mateo	21612
San Mateo	21613
San Mateo	21893
San Mateo	22120
San Mateo	22271
San Mateo	22726
San Mateo	230428
San Mateo	240026
San Mateo	240027
San Mateo	240060
San Mateo	240060
San Mateo	240114
San Mateo	240169
San Mateo	240590
San Mateo	94644
San Mateo	98204
Total San Mateo County	17
Santa Clara	21714
Santa Clara	21760
Santa Clara	21922
Santa Clara	22175
Santa Clara	22179
Santa Clara	22186
Santa Clara	22809
Santa Clara	22910
Santa Clara	22932
Santa Clara	22944
Santa Clara	22944
Santa Clara	22956
Santa Clara	230200
Santa Clara	230210
Santa Clara	230235
Santa Clara	230267
Santa Clara	230267
Santa Clara	230273

TABLE H-5B: LINEAR TIP PROJECTS THAT MAY IMPACT OTHER WATERS OF THE U.S.

<i>County</i>	<i>RTP_ID</i>
Santa Clara	230294
Santa Clara	230410
Santa Clara	230449
Santa Clara	230457
Santa Clara	230531
Santa Clara	240117
Santa Clara	240118
Santa Clara	240119
Santa Clara	240159
Santa Clara	240374
Santa Clara	240375
Santa Clara	240377
Santa Clara	240379
Santa Clara	240385
Santa Clara	240404
Santa Clara	240427
Santa Clara	240430
Santa Clara	240439
Santa Clara	240439
Santa Clara	240463
Santa Clara	240464
Santa Clara	240466
Santa Clara	240469
Santa Clara	240477
Santa Clara	240481
Santa Clara	240482
Santa Clara	240484
Santa Clara	240485
Santa Clara	240491
Santa Clara	240492
Santa Clara	240507
Santa Clara	240513
Santa Clara	240514
Santa Clara	240515
Santa Clara	240516
Santa Clara	240517
Santa Clara	240518
Santa Clara	240591
Santa Clara	240636
Santa Clara	240671
Santa Clara	98119
Total Projects Santa Clara County	56
Solano	230313
Solano	230313
Solano	230313
Solano	230322
Solano	230322
Solano	230468
Solano	94151
Total Projects Solano County	4
Sonoma	21070
Sonoma	21902
Sonoma	22204

TABLE H-5B: LINEAR TIP PROJECTS THAT MAY IMPACT OTHER WATERS OF THE U.S.

<i>County</i>	<i>RTP_ID</i>
Sonoma	22207
Sonoma	22655
Sonoma	22655
Sonoma	240360
Sonoma	240366
Sonoma	240737
Sonoma	98147
Sonoma	98147
Total Projects Sonoma County	9

TABLE H-6A: Comparison of Transportation Impacts on Biological Resources by Alternative

<i>Special-status Species*</i>					
<i>County</i>	<i>Alternative 1</i>	<i>Plan Bay Area</i>	<i>Alternative 3</i>	<i>Alternative 4</i>	<i>Alternative 5</i>
Alameda	90.45	314.38	314.38	314.38	295.94
Bay Area Region/Multi-County	218.06	520.80	512.83	520.80	364.00
Contra Costa	110.26	180.20	180.20	180.20	153.42
Marin	5.58	15.67	15.67	15.67	5.58
Napa	0.00	13.53	13.53	13.53	0.00
San Francisco	20.25	624.63	624.63	624.63	567.42
San Mateo	118.64	410.01	410.01	410.01	269.32
Santa Clara	310.84	534.46	534.46	534.46	456.35
Solano	0.42	21.02	21.02	21.02	0.42
Sonoma	3.76	15.98	15.98	15.98	6.53
Regional Total	878.26	2650.67	2642.71	2650.67	2118.97
<i>Critical Habitat*</i>					
Alameda	0.13	0.13	0.13	0.13	0.13
Bay Area Region/Multi-County	31.94	34.27	34.18	34.27	34.18
Contra Costa	23.00	51.05	51.05	51.05	33.46
Marin	0.00	0.00	0.00	0.00	0.00
Napa	0.00	0.69	0.69	0.69	0.00
San Francisco	0.00	0.00	0.00	0.00	0.00
San Mateo	3.24	7.34	7.34	7.34	3.24
Santa Clara	15.31	15.31	15.31	15.31	15.31
Solano	0.00	6.10	6.10	6.10	0.00
Sonoma	5.47	5.47	5.47	5.47	5.47
Regional Total	79.09	120.36	120.28	120.36	91.80
<i>Salmonid Critical Habitat**</i>					
Alameda	1	6	6	6	6
Bay Area Region/Multi-County	21	30	30	30	30
Contra Costa	0	4	4	4	4
Marin	0	1	1	1	0
Napa	0	5	5	5	0
San Francisco	0	0	0	0	0
San Mateo	6	11	11	11	9
Santa Clara	24	40	40	40	33
Solano	0	0	0	0	0
Sonoma	0	5	5	5	3
Regional Total	52	102	102	102	85
<i>Wetlands*</i>					
Alameda	15.65	28.27	28.27	28.27	27.94
Bay Area Region/Multi-County	88.26	88.70	88.69	88.70	88.26
Contra Costa	0.02	31.52	31.52	31.52	31.45
Marin	0.00	0.12	0.12	0.12	0.03
Napa	0.00	0.61	0.61	0.61	0.00
San Francisco	1.85	2.05	2.05	2.05	1.99
San Mateo	13.55	36.60	36.60	36.60	36.45
Santa Clara	2.09	2.53	2.53	2.53	2.20
Solano	0.00	0.00	0.00	0.00	0.00
Sonoma	0.02	0.10	0.10	0.10	0.02
Regional Total	121.45	190.49	190.48	190.49	188.33
<i>Other Waters**</i>					
Alameda	37	91	91	91	74
Bay Area Region/Multi-County	42	165	158	165	78
Contra Costa	33	62	62	62	41
Marin	2	5	5	5	2
Napa	0	16	16	16	0
San Francisco	0	0	0	0	0
San Mateo	23	66	66	66	45
Santa Clara	95	161	161	161	137
Solano	2	12	12	12	2
Sonoma	8	28	28	28	18
Regional Total	242	606	599	606	397

* Linear miles that transportation projects intersect resource polygon:

**Number of transportation projects that intersect streams and river: