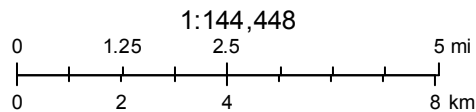
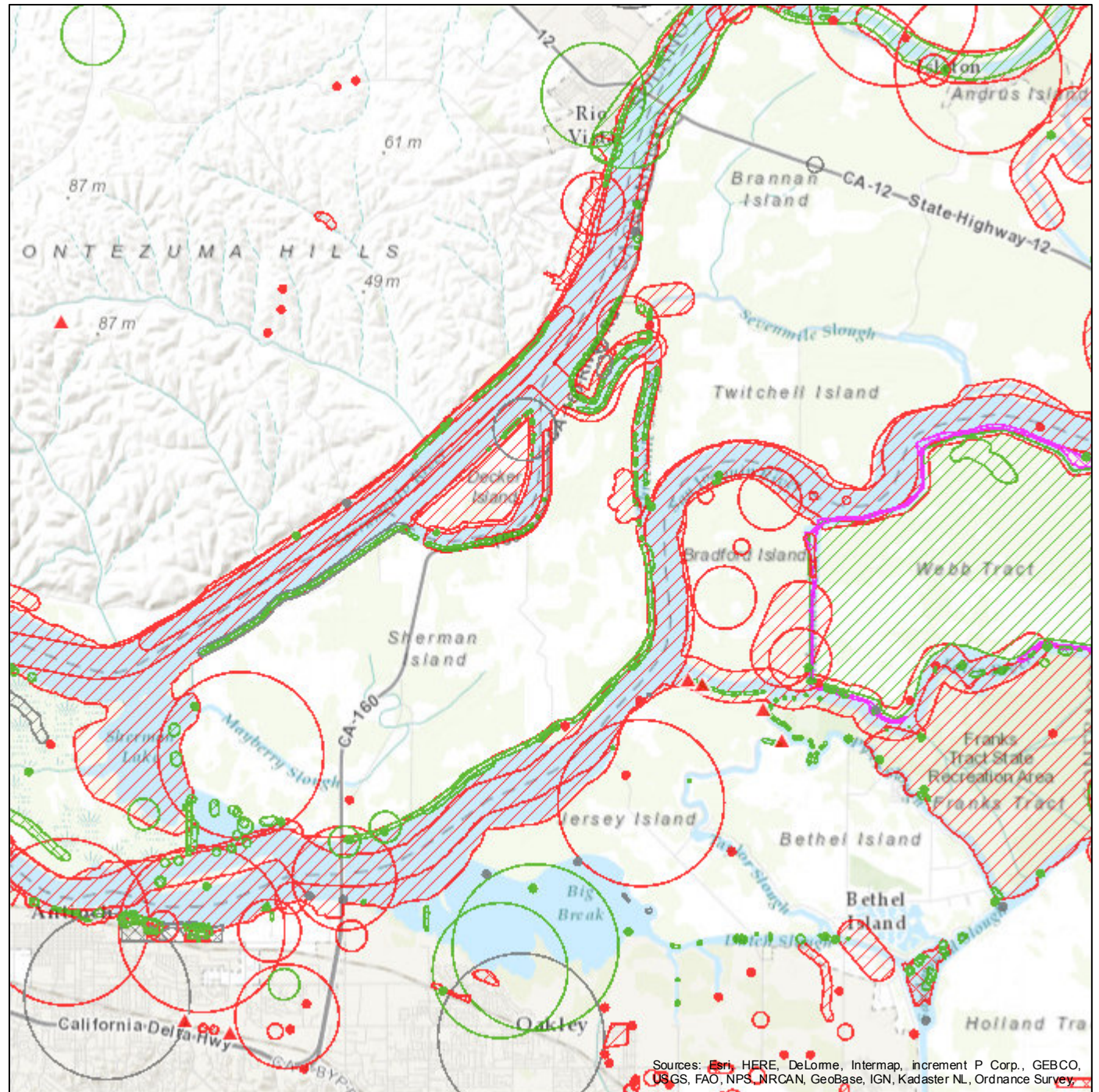


CNDDDB Species Map for Decker Island (March 2, 2016)

- CNDDDB Unprocessed
Animal Data from Online
Field Survey Form
[ds1002]
- Plant (80m)
 - Plant (specific)
 - Plant (non-specific)
 - Plant (circular)
 - Animal (80m)
 - Animal (specific)
 - Animal (non-specific)
 - Animal (circular)
 - Terrestrial Comm. (80m)
 - Terrestrial Comm. (specific)
 - Terrestrial Comm. (non-specific)
 - Terrestrial Comm. (circular)
 - Aquatic Comm. (80m)
 - Aquatic Comm. (specific)
 - Aquatic Comm. (non-specific)
 - Aquatic Comm. (circular)
 - Multiple (80m)
 - Multiple (specific)
 - Multiple (non-specific)
 - Multiple (circular)



March 2, 2016



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey

California Natural Diversity Database Government [ds45], accessed March 2, 2016

Species within a 5 mile radius of Decker Island, Solano County, CA.

SCIENTIFIC_NAME	COMMON_NAME	KEY_CC	ACCURACY	PRESENCE	SITE_DATE	ELM_DATE	Federal_St	State_Status	GLOBAL	STATE	RPK
Oncorhynchus mykiss irideus	steelhead - Central Valley DPS	SAC	nonspecific a	Presumed Extant	20120507	20120507	Threatenec	None	G5T2Q	S2	
Spirinchus thaleichthys	longfin smelt	SAC	nonspecific a	Presumed Extant	20120927	20120411	Candidate	Threatened	G5	S1	
Spirinchus thaleichthys	longfin smelt	SAC	nonspecific a	Presumed Extant	20120927	20120507	Candidate	Threatened	G5	S1	
Potamogeton zosteriformis	eel-grass pondweed	CCA	nonspecific a	Presumed Extant	19490707	19490707	None	None	G5	S3	2B.2
Juglans hindsii	Northern California black walnut	SAC	nonspecific a	Extirpated	200210XX	XXXXXXXX	None	None	G1	S1	1B.1
Melospiza melodia	song sparrow ("Modesto" popula	CCA	1 mile	Presumed Extant	19401006	19401006	None	None	G5	S3?	
Cicuta maculata var. bolanderi	Bolander's water-hemlock	CCA	1 mile	Presumed Extant	XXXXXXXX	XXXXXXXX	None	None	G5T4	S2	2B.1
Phalacrocorax auritus	double-crested cormorant	SAC	1 mile	Presumed Extant	1988XXXX	1988XXXX	None	None	G5	S4	
Symphyotrichum lentum	Suisun Marsh aster	CCA	4/5 mile	Presumed Extant	1998XXXX	1998XXXX	None	None	G2	S2	1B.2
Hypomesus transpacificus	Delta smelt	SOL	nonspecific a	Presumed Extant	20001205	20001205	Threatenec	Endangered	G1	S1	
Thamnophis gigas	giant garter snake	CCA	3/5 mile	Presumed Extant	1987XXXX	19XXXXXX	Threatenec	Threatened	G2	S2	
Extriplex joaquinana	San Joaquin spearscale	SOL	3/5 mile	Presumed Extant	18910916	18910916	None	None	G2	S2	1B.2
Ardea herodias	great blue heron	SOL	nonspecific a	Presumed Extant	19920509	19920509	None	None	G5	S4	
Melospiza melodia	song sparrow ("Modesto" popula	CCA	nonspecific a	Presumed Extant	20090617	20090617	None	None	G5	S3?	
Coastal and Valley Freshwater F	Coastal and Valley Freshwater M	CCA	specific area	Presumed Extant	1986XXXX	1986XXXX	None	None	G3	S2.1	
Bombus occidentalis	western bumble bee	SOL	2/5 mile	Presumed Extant	19920625	19920625	None	None	G2G3	S1	
Athene cunicularia	burrowing owl	SAC	2/5 mile	Presumed Extant	19890122	19890122	None	None	G4	S3	
Melospiza melodia	song sparrow ("Modesto" popula	SOL	2/5 mile	Presumed Extant	2008XXXX	2008XXXX	None	None	G5	S3?	
Buteo swainsoni	Swainson's hawk	SOL	2/5 mile	Presumed Extant	201005XX	201005XX	None	Threatened	G5	S3	
Melospiza melodia	song sparrow ("Modesto" popula	CCA	2/5 mile	Presumed Extant	20090624	20090624	None	None	G5	S3?	
Buteo swainsoni	Swainson's hawk	CCA	2/5 mile	Presumed Extant	20090415	20090415	None	Threatened	G5	S3	
Buteo swainsoni	Swainson's hawk	CCA	2/5 mile	Presumed Extant	20100414	20100414	None	Threatened	G5	S3	
Lilaeopsis masonii	Mason's lilaeopsis	SAC	specific area	Presumed Extant	20100623	20100623	None	Rare	G2	S2	1B.1
Limosella australis	Delta mudwort	SAC	specific area	Presumed Extant	20100623	20100623	None	None	G4G5	S2	2B.1
Symphyotrichum lentum	Suisun Marsh aster	SAC	specific area	Presumed Extant	19900811	19900811	None	None	G2	S2	1B.2
Anthicus sacramento	Sacramento anthicid beetle	SOL	specific area	Presumed Extant	197909XX	19740821	None	None	G1	S1	
Buteo swainsoni	Swainson's hawk	SAC	nonspecific a	Presumed Extant	20030425	20030425	None	Threatened	G5	S3	
Symphyotrichum lentum	Suisun Marsh aster	SAC	specific area	Presumed Extant	20090903	20090903	None	None	G2	S2	1B.2
Thamnophis gigas	giant garter snake	SAC	nonspecific a	Presumed Extant	19980824	19980824	Threatenec	Threatened	G2	S2	
Symphyotrichum lentum	Suisun Marsh aster	SAC	specific area	Presumed Extant	20100623	20100623	None	None	G2	S2	1B.2
Melospiza melodia	song sparrow ("Modesto" popula	SAC	nonspecific a	Presumed Extant	20090618	20090618	None	None	G5	S3?	
Lilaeopsis masonii	Mason's lilaeopsis	SAC	specific area	Presumed Extant	19910120	19910120	None	Rare	G2	S2	1B.1
Hibiscus lasiocarpus var. occide	woolly rose-mallow	SOL	1/5 mile	Presumed Extant	19740715	18910916	None	None	G5T2	S2	1B.2
Limosella australis	Delta mudwort	SAC	1/5 mile	Presumed Extant	19550714	19550714	None	None	G4G5	S2	2B.1
Chloropyron molle ssp. molle	soft salty bird's-beak	SAC	1/5 mile	Possibly Extirpated	19931006	1972XXXX	Endangere	Rare	G2T1	S1	1B.2
Lilaeopsis masonii	Mason's lilaeopsis	SAC	nonspecific a	Presumed Extant	19900711	19900711	None	Rare	G2	S2	1B.1
Lasiurus blossevillii	western red bat	SAC	nonspecific a	Presumed Extant	19990924	19990924	None	None	G5	S3	
Lasiurus cinereus	hoary bat	SAC	nonspecific a	Presumed Extant	19990924	19990924	None	None	G5	S4	
Lilaeopsis masonii	Mason's lilaeopsis	SAC	specific area	Presumed Extant	20090903	20090903	None	Rare	G2	S2	1B.1
Symphyotrichum lentum	Suisun Marsh aster	CCA	specific area	Presumed Extant	20090916	20090916	None	None	G2	S2	1B.2
Symphyotrichum lentum	Suisun Marsh aster	SOL	specific area	Presumed Extant	20090903	20090903	None	None	G2	S2	1B.2
Limosella australis	Delta mudwort	SAC	specific area	Presumed Extant	20090903	20090903	None	None	G4G5	S2	2B.1
Symphyotrichum lentum	Suisun Marsh aster	SOL	specific area	Presumed Extant	20090903	20090903	None	None	G2	S2	1B.2
Lathyrus jepsonii var. jepsonii	Delta tule pea	SAC	nonspecific a	Presumed Extant	19900811	19900811	None	None	G5T2	S2	1B.2
Lilaeopsis masonii	Mason's lilaeopsis	SAC	specific area	Presumed Extant	20090903	20090903	None	Rare	G2	S2	1B.1

Emys marmorata	western pond turtle	CCA	nonspecific area	Presumed Extant	20000802	20000802	None	None	G3G4	S3	
Lilaeopsis masonii	Mason's lilaeopsis	SAC	specific area	Presumed Extant	20090902	20090902	None	Rare	G2	S2	1B.1
Lilaeopsis masonii	Mason's lilaeopsis	SAC	nonspecific area	Presumed Extant	19880616	19880616	None	Rare	G2	S2	1B.1
Lilaeopsis masonii	Mason's lilaeopsis	SAC	nonspecific area	Presumed Extant	19780817	19780817	None	Rare	G2	S2	1B.1
Lilaeopsis masonii	Mason's lilaeopsis	CCA	specific area	Presumed Extant	20100628	20100628	None	Rare	G2	S2	1B.1
Athene cunicularia	burrowing owl	SOL	nonspecific area	Presumed Extant	20000124	20000103	None	None	G4	S3	
Melospiza melodia	song sparrow ("Modesto" popula	CCA	1/10 mile	Presumed Extant	20090624	20090624	None	None	G5	S3?	
Melospiza melodia	song sparrow ("Modesto" popula	CCA	1/10 mile	Presumed Extant	20090624	20090624	None	None	G5	S3?	
Lathyrus jepsonii var. jepsonii	Delta tule pea	SAC	1/10 mile	Presumed Extant	19880616	19880616	None	None	G5T2	S2	1B.2
Lilaeopsis masonii	Mason's lilaeopsis	SOL	specific area	Presumed Extant	20090903	20090903	None	Rare	G2	S2	1B.1
Oenothera deltoidea ssp. howellii	Antioch Dunes evening-primrose	SAC	specific area	Presumed Extant	20110610	20110610	Endangered	Endangered	G5T1	S1	1B.1
Symphyotrichum lentum	Suisun Marsh aster	SAC	specific area	Presumed Extant	20010726	20010726	None	None	G2	S2	1B.2
Lilaeopsis masonii	Mason's lilaeopsis	SAC	specific area	Presumed Extant	20090903	20090903	None	Rare	G2	S2	1B.1
Hypomesus transpacificus	Delta smelt	SAC	specific area	Presumed Extant	2007XXXX	2005XXXX	Threatened	Endangered	G1	S1	
Lilaeopsis masonii	Mason's lilaeopsis	CCA	specific area	Presumed Extant	20090916	20090916	None	Rare	G2	S2	1B.1
Symphyotrichum lentum	Suisun Marsh aster	SOL	specific area	Presumed Extant	20090903	20090903	None	None	G2	S2	1B.2
Lilaeopsis masonii	Mason's lilaeopsis	SAC	specific area	Presumed Extant	19880615	19880615	None	Rare	G2	S2	1B.1
Lilaeopsis masonii	Mason's lilaeopsis	SAC	specific area	Presumed Extant	20090903	20090903	None	Rare	G2	S2	1B.1
Limosella australis	Delta mudwort	SAC	specific area	Presumed Extant	19860624	19860624	None	None	G4G5	S2	2B.1
Athene cunicularia	burrowing owl	SOL	80 meters	Presumed Extant	20000520	20000520	None	None	G4	S3	
Athene cunicularia	burrowing owl	SOL	80 meters	Presumed Extant	19991208	19991208	None	None	G4	S3	
Lilaeopsis masonii	Mason's lilaeopsis	SAC	80 meters	Presumed Extant	19900808	19900808	None	Rare	G2	S2	1B.1
Riparia riparia	bank swallow	SAC	80 meters	Presumed Extant	20000601	20000601	None	Threatened	G5	S2	
Athene cunicularia	burrowing owl	SOL	80 meters	Presumed Extant	20000520	20000520	None	None	G4	S3	
Limosella australis	Delta mudwort	SAC	80 meters	Presumed Extant	19900726	19900726	None	None	G4G5	S2	2B.1
Symphyotrichum lentum	Suisun Marsh aster	SAC	80 meters	Presumed Extant	19900726	19900726	None	None	G2	S2	1B.2
Symphyotrichum lentum	Suisun Marsh aster	SOL	80 meters	Presumed Extant	20050906	20050906	None	None	G2	S2	1B.2
Lilaeopsis masonii	Mason's lilaeopsis	SOL	80 meters	Presumed Extant	20050906	20050906	None	Rare	G2	S2	1B.1
Lilaeopsis masonii	Mason's lilaeopsis	CCA	80 meters	Presumed Extant	19920617	19920617	None	Rare	G2	S2	1B.1
Symphyotrichum lentum	Suisun Marsh aster	SOL	80 meters	Presumed Extant	19900712	19900712	None	None	G2	S2	1B.2
Lilaeopsis masonii	Mason's lilaeopsis	SOL	80 meters	Presumed Extant	19900712	19900712	None	Rare	G2	S2	1B.1
Limosella australis	Delta mudwort	SAC	80 meters	Presumed Extant	19961008	19961008	None	None	G4G5	S2	2B.1
Hibiscus lasiocarpus var. occidentalis	woolly rose-mallow	CCA	80 meters	Presumed Extant	20120616	20120616	None	None	G5T2	S2	1B.2
Thamnophis gigas	giant garter snake	CCA	80 meters	Presumed Extant	20030923	20020402	Threatened	Threatened	G2	S2	
Lathyrus jepsonii var. jepsonii	Delta tule pea	CCA	80 meters	Presumed Extant	20100628	20100628	None	None	G5T2	S2	1B.2
Hypomesus transpacificus	Delta smelt	CCA	80 meters	Presumed Extant	2007XXXX	2007XXXX	Threatened	Endangered	G1	S1	
Buteo swainsoni	Swainson's hawk	SAC	80 meters	Presumed Extant	20120502	20120502	None	Threatened	G5	S3	
Limosella australis	Delta mudwort	CCA	80 meters	Presumed Extant	19920724	19920724	None	None	G4G5	S2	2B.1
Thamnophis gigas	giant garter snake	SAC	80 meters	Presumed Extant	20100727	20100727	Threatened	Threatened	G2	S2	
Symphyotrichum lentum	Suisun Marsh aster	SAC	80 meters	Presumed Extant	20000501	20000501	None	None	G2	S2	1B.2
Symphyotrichum lentum	Suisun Marsh aster	SAC	80 meters	Presumed Extant	20010726	20010726	None	None	G2	S2	1B.2
Emys marmorata	western pond turtle	CCA	80 meters	Presumed Extant	19900531	19900531	None	None	G3G4	S3	
Lilaeopsis masonii	Mason's lilaeopsis	SAC	80 meters	Presumed Extant	19900725	19900725	None	Rare	G2	S2	1B.1
Lilaeopsis masonii	Mason's lilaeopsis	SAC	80 meters	Presumed Extant	19900725	19900725	None	Rare	G2	S2	1B.1
Limosella australis	Delta mudwort	CCA	80 meters	Presumed Extant	19920617	19920617	None	None	G4G5	S2	2B.1
Lilaeopsis masonii	Mason's lilaeopsis	CCA	80 meters	Presumed Extant	19920617	19920617	None	Rare	G2	S2	1B.1
Lilaeopsis masonii	Mason's lilaeopsis	CCA	80 meters	Presumed Extant	19920617	19920617	None	Rare	G2	S2	1B.1
Symphyotrichum lentum	Suisun Marsh aster	CCA	80 meters	Presumed Extant	19920724	19920724	None	None	G2	S2	1B.2
Limosella australis	Delta mudwort	CCA	80 meters	Presumed Extant	19920617	19920617	None	None	G4G5	S2	2B.1

Lilaeopsis masonii	Mason's lilaeopsis	CCA	80 meters	Presumed Extant	19920617	19920617	None	Rare	G2	S2	1B.1
Hibiscus lasiocarpus var. occidentale	woolly rose-mallow	CCA	specific area	Presumed Extant	20100628	20100628	None	None	G5T2	S2	1B.2
Limosella australis	Delta mudwort	SOL	specific area	Presumed Extant	20090903	20090903	None	None	G4G5	S2	2B.1
Lilaeopsis masonii	Mason's lilaeopsis	SOL	specific area	Presumed Extant	20090903	20090903	None	Rare	G2	S2	1B.1
Lathyrus jepsonii var. jepsonii	Delta tule pea	SAC	specific area	Presumed Extant	20080819	20080819	None	None	G5T2	S2	1B.2
Symphyotrichum lentum	Suisun Marsh aster	CCA	specific area	Presumed Extant	20090902	20090902	None	None	G2	S2	1B.2
Limosella australis	Delta mudwort	SOL	specific area	Presumed Extant	20090903	20090903	None	None	G4G5	S2	2B.1
Symphyotrichum lentum	Suisun Marsh aster	SOL	specific area	Presumed Extant	20090903	20090903	None	None	G2	S2	1B.2
Lathyrus jepsonii var. jepsonii	Delta tule pea	SAC	specific area	Presumed Extant	20100729	20100729	None	None	G5T2	S2	1B.2
Lathyrus jepsonii var. jepsonii	Delta tule pea	SAC	specific area	Presumed Extant	20100729	20100729	None	None	G5T2	S2	1B.2
Symphyotrichum lentum	Suisun Marsh aster	CCA	specific area	Presumed Extant	20090916	20090916	None	None	G2	S2	1B.2
Lathyrus jepsonii var. jepsonii	Delta tule pea	SAC	specific area	Presumed Extant	20100729	20100729	None	None	G5T2	S2	1B.2
Lilaeopsis masonii	Mason's lilaeopsis	SOL	specific area	Presumed Extant	20090903	20090903	None	Rare	G2	S2	1B.1
Lilaeopsis masonii	Mason's lilaeopsis	SOL	specific area	Presumed Extant	20090903	20090903	None	Rare	G2	S2	1B.1
Lilaeopsis masonii	Mason's lilaeopsis	SAC	specific area	Presumed Extant	20090903	20090903	None	Rare	G2	S2	1B.1
Lilaeopsis masonii	Mason's lilaeopsis	SAC	specific area	Presumed Extant	20090902	20090902	None	Rare	G2	S2	1B.1
Lilaeopsis masonii	Mason's lilaeopsis	SAC	specific area	Presumed Extant	20090903	20090903	None	Rare	G2	S2	1B.1
Symphyotrichum lentum	Suisun Marsh aster	CCA	specific area	Presumed Extant	20090902	20090902	None	None	G2	S2	1B.2
Lilaeopsis masonii	Mason's lilaeopsis	CCA	specific area	Presumed Extant	20090902	20090902	None	Rare	G2	S2	1B.1
Lilaeopsis masonii	Mason's lilaeopsis	CCA	specific area	Presumed Extant	20090902	20090902	None	Rare	G2	S2	1B.1
Symphyotrichum lentum	Suisun Marsh aster	SAC	specific area	Presumed Extant	20090903	20090903	None	None	G2	S2	1B.2
Symphyotrichum lentum	Suisun Marsh aster	SOL	specific area	Presumed Extant	20090903	20090903	None	None	G2	S2	1B.2
Symphyotrichum lentum	Suisun Marsh aster	CCA	specific area	Presumed Extant	20090916	20090916	None	None	G2	S2	1B.2
Limosella australis	Delta mudwort	SAC	specific area	Presumed Extant	20090902	20090902	None	None	G4G5	S2	2B.1

California Natural Diversity Database Unprocessed Animal Data from Online Field Survey Form [ds1002], accessed March 2, 2016

Species within a 5 mile radius of Decker Island, Solano County, CA.

ScientificName	CommonName	CountyC	TotalNumber	AnimalDetectionMet	AnimalBehz	SiteUseDescription	MappedF	LastFieldDate
Thamnophis gigas	giant garter snake	CCA	1	Seen	Basking on	Basking.	5 m	2E+07
Thamnophis gigas	giant garter snake	CCA	1	Dead on road		animal found as roadkill; likely baskir	100 m	2E+07
Thamnophis gigas	giant garter snake	CCA	1	Seen	Basking; dic	Basking	5 m	2E+07
Emys marmorata	western pond turtle	CCA	1	Seen	Turtle was t	Emergency Drought Barrier was bein	10 m	2E+07
Emys marmorata	western pond turtle	CCA	1	Seen	Turtle was walking along the road parallel to the r		10 m	2E+07
Thamnophis gigas	giant garter snake	CCA	2	Captured/released	Basking on	Rip-rap	10 m	2E+07
Thamnophis gigas	giant garter snake	CCA	5	Seen	Basking and	Two individuals observed basking on	1000 m	2E+07



United States Department of the Interior



FISH AND WILDLIFE SERVICE
San Francisco Bay-Delta Fish and Wildlife
650 CAPITOL MALL, SUITE 8-300
SACRAMENTO, CA 95814
PHONE: (916)930-5603 FAX: (916)930-5654
URL: kim_squires@fws.gov

Consultation Code: 08FBDT00-2016-SLI-0092

March 04, 2016

Event Code: 08FBDT00-2016-E-00053

Project Name: Decker Island Tidal Habitat Restoration Project

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment



United States Department of Interior
Fish and Wildlife Service

Project name: Decker Island Tidal Habitat Restoration Project

Official Species List

Provided by:

San Francisco Bay-Delta Fish and Wildlife
650 CAPITOL MALL
SUITE 8-300
SACRAMENTO, CA 95814
(916) 930-5603
[http://kim_squires@fws.gov](mailto:kim_squires@fws.gov)

Consultation Code: 08FBDT00-2016-SLI-0092

Event Code: 08FBDT00-2016-E-00053

Project Type: LAND - RESTORATION / ENHANCEMENT

Project Name: Decker Island Tidal Habitat Restoration Project

Project Description: The 140-ac Project site (Site) is located in Solano County, in the western Sacramento-San Joaquin River Delta, CA. The goal of the project is to restore unrestricted tidal connectivity to the interior of Decker Island to create tidal wetland, associated high marsh, and riparian habitats on the site to benefit native fish species. Project activities include removing sections of the internal cross levees and creating internal topographic features, blocking the peripheral irrigation ditch, lowering an approximately 300 foot section of levee on Horseshoe Bend on the northeastern side of the island, and enlarging the breach on the southern end of the property. Most construction activities would occur in the fall. Waterside construction activities would be limited to August 1- November 30.

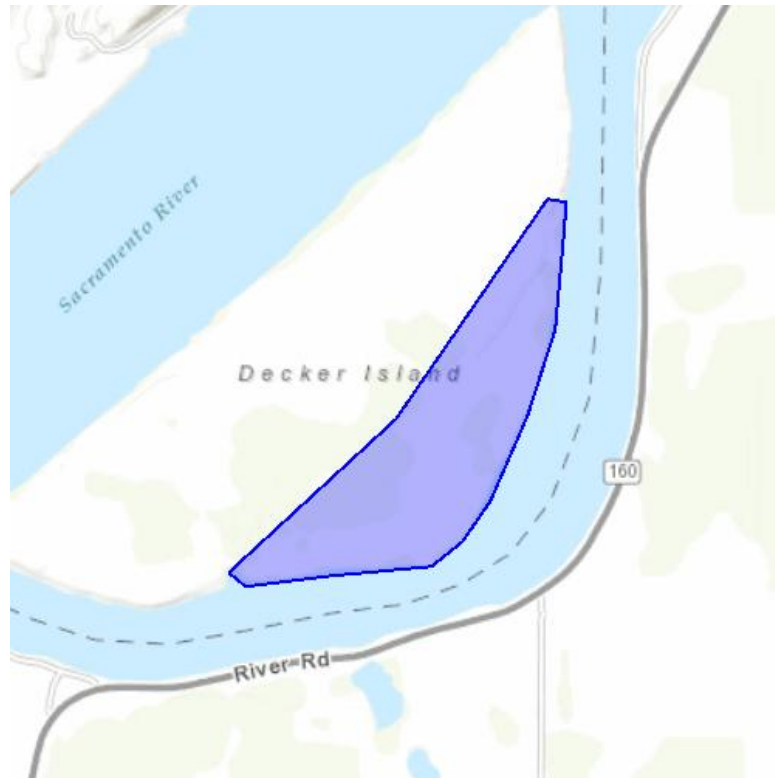
Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.



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Fish and Wildlife Service

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Project Location Map:



Project Coordinates: MULTIPOLYGON (((-121.72452449798584 38.084175831522835, -121.7171001434326 38.08954647927296, -121.71040534973143 38.09721332406936, -121.70958995819092 38.09707823244356, -121.70963287353516 38.09626767744455, -121.71006202697754 38.092687618662985, -121.71130657196046 38.089647808456974, -121.71289443969727 38.08667542735658, -121.71418190002441 38.0852567483167, -121.71555519104004 38.084412283437025, -121.71993255615234 38.08407449475411, -121.7237949371338 38.08370292540038, -121.72452449798584 38.084175831522835)))

Project Counties: Solano, CA



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Endangered Species Act Species List

There are a total of 12 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Amphibians	Status	Has Critical Habitat	Condition(s)
California red-legged frog (<i>Rana draytonii</i>) Population: Entire	Threatened	Final designated	
California tiger Salamander (<i>Ambystoma californiense</i>) Population: U.S.A. (Central CA DPS)	Threatened	Final designated	
Birds			
California Clapper rail (<i>Rallus longirostris obsoletus</i>) Population: Entire	Endangered		
Crustaceans			
Vernal Pool fairy shrimp (<i>Branchinecta lynchi</i>) Population: Entire	Threatened	Final designated	
Vernal Pool tadpole shrimp (<i>Lepidurus packardii</i>) Population: Entire	Endangered	Final designated	
Fishes			



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Delta smelt (<i>Hypomesus transpacificus</i>) Population: Entire	Threatened	Final designated	
Flowering Plants			
Antioch Dunes evening-primrose (<i>Oenothera deltoides ssp. howellii</i>)	Endangered	Final designated	
Soft bird's-beak (<i>Cordylanthus mollis ssp. mollis</i>)	Endangered	Final designated	
Insects			
Delta Green Ground beetle (<i>Elaphrus viridis</i>) Population: Entire	Threatened	Final designated	
San Bruno Elfin butterfly (<i>Callophrys mossii bayensis</i>) Population: Entire	Endangered		
Valley Elderberry Longhorn beetle (<i>Desmocerus californicus dimorphus</i>) Population: Entire	Threatened	Final designated	
Reptiles			
Giant Garter snake (<i>Thamnophis gigas</i>) Population: Entire	Threatened		



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Critical habitats that lie within your project area

The following critical habitats lie fully or partially within your project area.

Fishes	Critical Habitat Type
Delta smelt (<i>Hypomesus transpacificus</i>) Population: Entire	Final designated