

EO ID	Scientific Name	Common Name	USGS Topographic Quad Name	Presence
<i>Plants</i>				
51004	<i>Amsinckia grandiflora</i>	large-flowered fiddleneck	Antioch South	Extirpated
65107	<i>Anomobryum julaceum</i>	slender silver moss	Clayton	Presumed Extant
20268	<i>Arctostaphylos auriculata</i>	Mt. Diablo manzanita	Antioch South	Presumed Extant
41704	<i>Arctostaphylos auriculata</i>	Mt. Diablo manzanita	Antioch South	Presumed Extant
41702	<i>Arctostaphylos auriculata</i>	Mt. Diablo manzanita	Antioch South	Presumed Extant
62507	<i>Arctostaphylos auriculata</i>	Mt. Diablo manzanita	Antioch South	Presumed Extant
41703	<i>Arctostaphylos auriculata</i>	Mt. Diablo manzanita	Antioch South	Presumed Extant
7259	<i>Arctostaphylos auriculata</i>	Mt. Diablo manzanita	Antioch North	Possibly Extirpated
20267	<i>Arctostaphylos auriculata</i>	Mt. Diablo manzanita	Clayton	Presumed Extant
20269	<i>Arctostaphylos auriculata</i>	Mt. Diablo manzanita	Clayton	Presumed Extant
262	<i>Arctostaphylos auriculata</i>	Mt. Diablo manzanita	Clayton	Presumed Extant
42176	<i>Arctostaphylos manzanita ssp. laevigata</i>	Contra Costa manzanita	Clayton	Presumed Extant
42177	<i>Arctostaphylos manzanita ssp. laevigata</i>	Contra Costa manzanita	Clayton	Presumed Extant
16629	<i>Atriplex depressa</i>	brittlescale	Denverton	Presumed Extant
76066	<i>Atriplex depressa</i>	brittlescale	Antioch South	Presumed Extant
60527	<i>Atriplex depressa</i>	brittlescale	Antioch South	Presumed Extant
82141	<i>Atriplex joaquiniana</i>	San Joaquin spearscale	Antioch South	Presumed Extant
67573	<i>Atriplex joaquiniana</i>	San Joaquin spearscale	Antioch South	Presumed Extant
16737	<i>Atriplex joaquiniana</i>	San Joaquin spearscale	Antioch South	Presumed Extant
67577	<i>Atriplex joaquiniana</i>	San Joaquin spearscale	Walnut Creek	Presumed Extant
9591	<i>Atriplex joaquiniana</i>	San Joaquin spearscale	Antioch South	Presumed Extant
67186	<i>Blepharizonia plumosa</i>	big tarplant	Antioch South	Presumed

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				Extant
41679	<i>Blepharizonia plumosa</i>	big tarplant	Antioch South	Presumed Extant
41677	<i>Blepharizonia plumosa</i>	big tarplant	Antioch South	Presumed Extant
41682	<i>Blepharizonia plumosa</i>	big tarplant	Antioch South	Presumed Extant
41678	<i>Blepharizonia plumosa</i>	big tarplant	Antioch South	Presumed Extant
51041	<i>Blepharizonia plumosa</i>	big tarplant	Antioch South	Presumed Extant
41681	<i>Blepharizonia plumosa</i>	big tarplant	Antioch South	Presumed Extant
41680	<i>Blepharizonia plumosa</i>	big tarplant	Antioch South	Presumed Extant
41676	<i>Blepharizonia plumosa</i>	big tarplant	Antioch South	Presumed Extant
67189	<i>Blepharizonia plumosa</i>	big tarplant	Antioch North	Possibly Extirpated
67183	<i>Blepharizonia plumosa</i>	big tarplant	Clayton	Presumed Extant
51068	<i>Blepharizonia plumosa</i>	big tarplant	Clayton	Presumed Extant
45829	<i>California macrophylla</i>	round-leaved filaree	Antioch South	Presumed Extant
45810	<i>California macrophylla</i>	round-leaved filaree	Antioch South	Presumed Extant
45809	<i>California macrophylla</i>	round-leaved filaree	Antioch South	Presumed Extant
67137	<i>California macrophylla</i>	round-leaved filaree	Antioch South	Presumed Extant
45828	<i>California macrophylla</i>	round-leaved filaree	Antioch North	Possibly Extirpated
41843	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Antioch South	Presumed Extant
29947	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed Extant
29946	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed Extant
29943	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed Extant
29945	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed Extant
29978	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed

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				Extant
29948	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed Extant
29940	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed Extant
29939	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed Extant
29950	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed Extant
29942	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed Extant
29938	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed Extant
29949	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed Extant
29944	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed Extant
29941	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed Extant
29980	<i>Calochortus pulchellus</i>	Mt. Diablo fairy-lantern	Clayton	Presumed Extant
56418	<i>Campanula exigua</i>	chaparral harebell	Clayton	Presumed Extant
56419	<i>Campanula exigua</i>	chaparral harebell	Clayton	Presumed Extant
56421	<i>Campanula exigua</i>	chaparral harebell	Clayton	Presumed Extant
82220	<i>Castilleja rubicundula ssp. rubicundula</i>	pink creamsacs	Clayton	Presumed Extant
63144	<i>Centromadia parryi ssp. congdonii</i>	Congdon's tarplant	Vine Hill	Presumed Extant
14135	<i>Centromadia parryi ssp. congdonii</i>	Congdon's tarplant	Walnut Creek	Extirpated
20822	<i>Centromadia parryi ssp. congdonii</i>	Congdon's tarplant	Walnut Creek	Extirpated
71419	<i>Centromadia parryi ssp. parryi</i>	pappose tarplant	Denverton	Presumed Extant
71417	<i>Centromadia parryi ssp. parryi</i>	pappose tarplant	Birds Landing	Presumed Extant
82769	<i>Centromadia parryi ssp. parryi</i>	pappose tarplant	Birds Landing	Presumed Extant
43730	<i>Chloropyron molle ssp. molle</i>	soft bird's-beak	Denverton	Presumed Extant
43731	<i>Chloropyron molle ssp.</i>	soft bird's-beak	Denverton	Presumed

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	<i>molle</i>			Extant
6420	<i>Chloropyron molle ssp. molle</i>	soft bird's-beak	Jersey Island	Possibly Extirpated
30411	<i>Chloropyron molle ssp. molle</i>	soft bird's-beak	Vine Hill	Presumed Extant
7978	<i>Chloropyron molle ssp. molle</i>	soft bird's-beak	Honker Bay	Presumed Extant
8720	<i>Cordylanthus nidularius</i>	Mt. Diablo bird's-beak	Clayton	Presumed Extant
57196	<i>Cryptantha hooveri</i>	Hoover's cryptantha	Antioch North	Possibly Extirpated
80888	<i>Delphinium californicum ssp. interius</i>	Hospital Canyon larkspur	Clayton	Presumed Extant
51438	<i>Delphinium californicum ssp. interius</i>	Hospital Canyon larkspur	Clayton	Presumed Extant
80889	<i>Delphinium californicum ssp. interius</i>	Hospital Canyon larkspur	Clayton	Presumed Extant
15178	<i>Delphinium californicum ssp. interius</i>	Hospital Canyon larkspur	Clayton	Presumed Extant
79475	<i>Didymodon norrisii</i>	Norris' beard moss	Clayton	Presumed Extant
79477	<i>Didymodon norrisii</i>	Norris' beard moss	Clayton	Presumed Extant
57209	<i>Eriastrum brandegeae</i>	Brandegee's eriastrum	Clayton	Presumed Extant
82562	<i>Eriogonum nudum var. psychicola</i>	Antioch Dunes buckwheat	Antioch North	Presumed Extant
80057	<i>Eriogonum nudum var. regirivum</i>	Kings River buckwheat	Antioch North	Presumed Extant
21073	<i>Eriogonum truncatum</i>	Mt. Diablo buckwheat	Antioch South	Presumed Extant
60625	<i>Eriogonum truncatum</i>	Mt. Diablo buckwheat	Antioch North	Possibly Extirpated
21078	<i>Eriogonum truncatum</i>	Mt. Diablo buckwheat	Clayton	Presumed Extant
60624	<i>Eriogonum truncatum</i>	Mt. Diablo buckwheat	Clayton	Presumed Extant
5848	<i>Erysimum capitatum var. angustatum</i>	Contra Costa wallflower	Antioch North	Presumed Extant
51508	<i>Erysimum capitatum var. angustatum</i>	Contra Costa wallflower	Antioch North	Presumed Extant
5847	<i>Erysimum capitatum var. angustatum</i>	Contra Costa wallflower	Antioch North	Presumed Extant
21507	<i>Eschscholzia rhombipetala</i>	diamond-petaled California	Antioch North	Possibly

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		poppy		Extirpated
9391	<i>Fritillaria agrestis</i>	stinkbells	Brentwood	Presumed Extant
1769	<i>Helianthella castanea</i>	Diablo helianthella	Antioch South	Presumed Extant
42665	<i>Helianthella castanea</i>	Diablo helianthella	Antioch South	Presumed Extant
42666	<i>Helianthella castanea</i>	Diablo helianthella	Antioch South	Presumed Extant
83517	<i>Helianthella castanea</i>	Diablo helianthella	Clayton	Presumed Extant
66027	<i>Helianthella castanea</i>	Diablo helianthella	Antioch South	Presumed Extant
993	<i>Helianthella castanea</i>	Diablo helianthella	Antioch South	Presumed Extant
791	<i>Helianthella castanea</i>	Diablo helianthella	Clayton	Presumed Extant
793	<i>Helianthella castanea</i>	Diablo helianthella	Clayton	Presumed Extant
794	<i>Helianthella castanea</i>	Diablo helianthella	Clayton	Presumed Extant
789	<i>Helianthella castanea</i>	Diablo helianthella	Clayton	Presumed Extant
798	<i>Helianthella castanea</i>	Diablo helianthella	Clayton	Presumed Extant
83390	<i>Helianthella castanea</i>	Diablo helianthella	Clayton	Presumed Extant
797	<i>Helianthella castanea</i>	Diablo helianthella	Clayton	Presumed Extant
796	<i>Helianthella castanea</i>	Diablo helianthella	Clayton	Presumed Extant
799	<i>Helianthella castanea</i>	Diablo helianthella	Clayton	Presumed Extant
787	<i>Helianthella castanea</i>	Diablo helianthella	Clayton	Presumed Extant
18650	<i>Hesperolinon breweri</i>	Brewer's western flax	Antioch South	Presumed Extant
32216	<i>Hesperolinon breweri</i>	Brewer's western flax	Antioch North	Presumed Extant
18647	<i>Hesperolinon breweri</i>	Brewer's western flax	Clayton	Presumed Extant
13808	<i>Hesperolinon breweri</i>	Brewer's western flax	Clayton	Presumed Extant
18649	<i>Hesperolinon breweri</i>	Brewer's western flax	Clayton	Presumed

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9321	<i>Hesperolinon breweri</i>	Brewer's western flax	Clayton	Presumed Extant
18648	<i>Hesperolinon breweri</i>	Brewer's western flax	Clayton	Presumed Extant
42728	<i>Isocoma arguta</i>	Carquinez goldenbush	Birds Landing	Presumed Extant
8266	<i>Isocoma arguta</i>	Carquinez goldenbush	Denverton	Presumed Extant
42892	<i>Isocoma arguta</i>	Carquinez goldenbush	Denverton	Presumed Extant
42891	<i>Isocoma arguta</i>	Carquinez goldenbush	Denverton	Presumed Extant
9552	<i>Lasthenia conjugens</i>	Contra Costa goldfields	Walnut Creek	Extirpated
42501	<i>Lasthenia conjugens</i>	Contra Costa goldfields	Antioch North	Extirpated
32682	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Denverton	Presumed Extant
20547	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Honker Bay	Presumed Extant
8490	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Honker Bay	Presumed Extant
32667	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Honker Bay	Presumed Extant
13572	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Vine Hill	Presumed Extant
6405	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Vine Hill	Presumed Extant
32663	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Antioch North	Presumed Extant
32680	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Denverton	Presumed Extant
32679	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Denverton	Presumed Extant
32677	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Denverton	Presumed Extant
32675	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Denverton	Presumed Extant
32681	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Denverton	Presumed Extant
14267	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Vine Hill	Presumed Extant
84268	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Antioch North	Presumed Extant
43741	<i>Lathyrus jepsonii</i> var.	Delta tule pea	Denverton	Presumed

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	<i>jepsonii</i>			Extant
43740	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Denverton	Presumed Extant
59331	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Vine Hill	Presumed Extant
84099	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Antioch North	Presumed Extant
84100	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Antioch North	Presumed Extant
84098	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Antioch North	Presumed Extant
49479	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Vine Hill	Presumed Extant
32672	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Honker Bay	Presumed Extant
49478	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Vine Hill	Presumed Extant
21382	<i>Lathyrus jepsonii</i> var. <i>jepsonii</i>	Delta tule pea	Vine Hill	Presumed Extant
43723	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Denverton	Presumed Extant
71453	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Honker Bay	Presumed Extant
16101	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Fairfield South	Presumed Extant
5216	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Vine Hill	Presumed Extant
9486	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Jersey Island	Presumed Extant
71452	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Honker Bay	Presumed Extant
21435	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Vine Hill	Presumed Extant
13573	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Vine Hill	Presumed Extant
9080	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Vine Hill	Presumed Extant
6362	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Honker Bay	Presumed Extant
6339	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Vine Hill	Presumed Extant
9628	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Jersey Island	Presumed Extant
9450	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Jersey Island	Presumed

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25461	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Honker Bay	Presumed Extant
7675	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Jersey Island	Presumed Extant
5214	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Vine Hill	Presumed Extant
66980	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Vine Hill	Presumed Extant
66981	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Vine Hill	Presumed Extant
9385	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Jersey Island	Presumed Extant
81805	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Jersey Island	Presumed Extant
81803	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Jersey Island	Presumed Extant
15646	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Antioch North	Presumed Extant
19980	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Antioch North	Presumed Extant
12328	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Antioch North	Presumed Extant
71430	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Denverton	Presumed Extant
13880	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Denverton	Presumed Extant
71451	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Denverton	Presumed Extant
9498	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Jersey Island	Presumed Extant
81806	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Antioch North	Presumed Extant
81947	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Antioch North	Presumed Extant
16149	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Antioch North	Presumed Extant
7683	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Jersey Island	Presumed Extant
19981	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Antioch North	Presumed Extant
7742	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Antioch North	Presumed Extant
43708	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Honker Bay	Presumed

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9537	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Jersey Island	Presumed Extant
7680	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Jersey Island	Presumed Extant
46379	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Antioch North	Presumed Extant
7634	<i>Lilaeopsis masonii</i>	Mason's lilaeopsis	Antioch North	Presumed Extant
11880	<i>Limosella subulata</i>	Delta mudwort	Jersey Island	Presumed Extant
83565	<i>Limosella subulata</i>	Delta mudwort	Jersey Island	Presumed Extant
50170	<i>Limosella subulata</i>	Delta mudwort	Antioch North	Presumed Extant
43	<i>Limosella subulata</i>	Delta mudwort	Antioch North	Presumed Extant
83571	<i>Limosella subulata</i>	Delta mudwort	Vine Hill	Presumed Extant
7678	<i>Limosella subulata</i>	Delta mudwort	Jersey Island	Presumed Extant
50171	<i>Limosella subulata</i>	Delta mudwort	Antioch North	Presumed Extant
6396	<i>Madia radiata</i>	showy golden madia	Antioch South	Presumed Extant
6753	<i>Madia radiata</i>	showy golden madia	Antioch South	Presumed Extant
51807	<i>Malacothamnus hallii</i>	Hall's bush-mallow	Clayton	Presumed Extant
63280	<i>Malacothamnus hallii</i>	Hall's bush-mallow	Clayton	Presumed Extant
80653	<i>Malacothamnus hallii</i>	Hall's bush-mallow	Clayton	Presumed Extant
63281	<i>Malacothamnus hallii</i>	Hall's bush-mallow	Clayton	Presumed Extant
80193	<i>Monolopia gracilens</i>	woodland woollythreads	Clayton	Presumed Extant
80199	<i>Monolopia gracilens</i>	woodland woollythreads	Clayton	Presumed Extant
80194	<i>Monolopia gracilens</i>	woodland woollythreads	Clayton	Presumed Extant
72960	<i>Navarretia gowenii</i>	Lime Ridge navarretia	Clayton	Presumed Extant
72962	<i>Navarretia gowenii</i>	Lime Ridge navarretia	Clayton	Presumed

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				Extant
5204	<i>Oenothera deltoides ssp. howellii</i>	Antioch Dunes evening-primrose	Jersey Island	Presumed Extant
18815	<i>Oenothera deltoides ssp. howellii</i>	Antioch Dunes evening-primrose	Antioch North	Presumed Extant
51824	<i>Oenothera deltoides ssp. howellii</i>	Antioch Dunes evening-primrose	Antioch North	Presumed Extant
13827	<i>Oenothera deltoides ssp. howellii</i>	Antioch Dunes evening-primrose	Antioch North	Presumed Extant
13828	<i>Oenothera deltoides ssp. howellii</i>	Antioch Dunes evening-primrose	Antioch North	Presumed Extant
9542	<i>Phacelia phacelioides</i>	Mt. Diablo phacelia	Clayton	Presumed Extant
24015	<i>Phacelia phacelioides</i>	Mt. Diablo phacelia	Clayton	Presumed Extant
9858	<i>Phacelia phacelioides</i>	Mt. Diablo phacelia	Clayton	Presumed Extant
9212	<i>Phacelia phacelioides</i>	Mt. Diablo phacelia	Clayton	Presumed Extant
65550	<i>Plagiobothrys hystriculus</i>	bearded popcorn-flower	Denverton	Presumed Extant
41667	<i>Plagiobothrys hystriculus</i>	bearded popcorn-flower	Birds Landing	Presumed Extant
4531	<i>Sanicula saxatilis</i>	rock sanicle	Clayton	Presumed Extant
4529	<i>Sanicula saxatilis</i>	rock sanicle	Clayton	Presumed Extant
4530	<i>Sanicula saxatilis</i>	rock sanicle	Clayton	Presumed Extant
264	<i>Senecio aphanactis</i>	chaparral ragwort	Clayton	Presumed Extant
75788	<i>Sidalcea keckii</i>	Keck's checkerbloom	Birds Landing	Presumed Extant
18964	<i>Streptanthus albidus ssp. peramoenus</i>	most beautiful jewel-flower	Clayton	Presumed Extant
6738	<i>Streptanthus hispidus</i>	Mt. Diablo jewel-flower	Clayton	Presumed Extant
4879	<i>Streptanthus hispidus</i>	Mt. Diablo jewel-flower	Clayton	Presumed Extant
25421	<i>Streptanthus hispidus</i>	Mt. Diablo jewel-flower	Clayton	Presumed Extant
14074	<i>Streptanthus hispidus</i>	Mt. Diablo jewel-flower	Clayton	Presumed Extant
4881	<i>Streptanthus hispidus</i>	Mt. Diablo jewel-flower	Clayton	Presumed

EO ID	Scientific Name	Common Name	USGS Topographic Quad Name	Presence
				Extant
4880	<i>Streptanthus hispidus</i>	Mt. Diablo jewel-flower	Clayton	Presumed Extant
4877	<i>Streptanthus hispidus</i>	Mt. Diablo jewel-flower	Clayton	Presumed Extant
4878	<i>Streptanthus hispidus</i>	Mt. Diablo jewel-flower	Clayton	Presumed Extant
74339	<i>Stuckenia filiformis</i>	slender-leaved pondweed	Clayton	Presumed Extant
62607	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Jersey Island	Presumed Extant
32613	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Denverton	Presumed Extant
15151	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Jersey Island	Presumed Extant
32607	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Denverton	Presumed Extant
32589	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Honker Bay	Presumed Extant
32604	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Denverton	Presumed Extant
32603	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Denverton	Presumed Extant
32609	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Denverton	Presumed Extant
9363	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Jersey Island	Presumed Extant
83574	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Jersey Island	Presumed Extant
83575	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Jersey Island	Presumed Extant
7636	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Antioch North	Presumed Extant
7338	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Antioch North	Presumed Extant
71532	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Antioch North	Presumed Extant
7633	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Antioch North	Presumed Extant
43597	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Denverton	Presumed Extant
32608	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Denverton	Presumed Extant
32606	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Denverton	Presumed

EO ID	Scientific Name	Common Name	USGS Topographic Quad Name	Presence
				Extant
83584	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Antioch North	Presumed Extant
83576	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Jersey Island	Presumed Extant
7684	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Jersey Island	Presumed Extant
46565	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Antioch North	Presumed Extant
46566	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Antioch North	Presumed Extant
8569	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Antioch North	Presumed Extant
17817	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Antioch North	Presumed Extant
7741	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Antioch North	Presumed Extant
43596	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Denverton	Presumed Extant
32595	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Vine Hill	Presumed Extant
60778	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Vine Hill	Presumed Extant
7679	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Jersey Island	Presumed Extant
50094	<i>Symphyotrichum lentum</i>	Suisun Marsh aster	Honker Bay	Presumed Extant
45728	<i>Triquetrella californica</i>	coastal triquetrella	Clayton	Presumed Extant
20435	<i>Tropidocarpum capparideum</i>	caper-fruited tropidocarpum	Clayton	Presumed Extant
74275	<i>Viburnum ellipticum</i>	oval-leaved viburnum	Antioch South	Presumed Extant
<i>Animals</i>				
11811	<i>Agelaius tricolor</i>	tricolored blackbird	Denverton	Possibly Extirpated
73297	<i>Ambystoma californiense</i>	California tiger salamander	Birds Landing	Presumed Extant
33390	<i>Ambystoma californiense</i>	California tiger salamander	Walnut Creek	Extirpated
33380	<i>Ambystoma californiense</i>	California tiger salamander	Walnut Creek	Extirpated
13589	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
47772	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed

EO ID	Scientific Name	Common Name	USGS Topographic Quad Name	Presence
				Extant
9757	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
42537	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
63055	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
42535	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
47773	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
42536	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
63053	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
4060	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
1791	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
67519	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
47771	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
63045	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
42534	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
33748	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
33746	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
32895	<i>Ambystoma californiense</i>	California tiger salamander	Walnut Creek	Possibly Extirpated
42797	<i>Ambystoma californiense</i>	California tiger salamander	Antioch South	Presumed Extant
45811	<i>Ambystoma californiense</i>	California tiger salamander	Antioch North	Extirpated
42799	<i>Ambystoma californiense</i>	California tiger salamander	Clayton	Presumed Extant
59380	<i>Andrena blennospermatis</i>	Blennosperma vernal pool andrenid bee	Antioch South	Presumed Extant
42260	<i>Anniella pulchra pulchra</i>	silvery legless lizard	Jersey Island	Presumed Extant
74607	<i>Anniella pulchra pulchra</i>	silvery legless lizard	Antioch South	Presumed Extant

EO ID	Scientific Name	Common Name	USGS Topographic Quad Name	Presence
74610	<i>Anniella pulchra pulchra</i>	silvery legless lizard	Antioch North	Presumed Extant
74654	<i>Anniella pulchra pulchra</i>	silvery legless lizard	Antioch North	Presumed Extant
50217	<i>Anniella pulchra pulchra</i>	silvery legless lizard	Antioch South	Presumed Extant
74612	<i>Anniella pulchra pulchra</i>	silvery legless lizard	Antioch North	Presumed Extant
6190	<i>Anthicus antiochensis</i>	Antioch Dunes anthicid beetle	Antioch North	Possibly Extirpated
66597	<i>Antrozous pallidus</i>	pallid bat	Antioch South	Presumed Extant
66593	<i>Antrozous pallidus</i>	pallid bat	Clayton	Presumed Extant
0	<i>Apodemia mormo langei</i>	Lange's metalmark butterfly	Antioch North	Presumed Extant
1617	<i>Archoplites interruptus</i>	Sacramento perch	Antioch North	Presumed Extant
59024	<i>Ardea herodias</i>	great blue heron	Jersey Island	Presumed Extant
14706	<i>Asio flammeus</i>	short-eared owl	Denverton	Presumed Extant
41890	<i>Athene cunicularia</i>	burrowing owl	Brentwood	Presumed Extant
58542	<i>Athene cunicularia</i>	burrowing owl	Brentwood	Presumed Extant
64307	<i>Athene cunicularia</i>	burrowing owl	Brentwood	Presumed Extant
46952	<i>Athene cunicularia</i>	burrowing owl	Brentwood	Presumed Extant
62316	<i>Athene cunicularia</i>	burrowing owl	Brentwood	Presumed Extant
51235	<i>Athene cunicularia</i>	burrowing owl	Brentwood	Presumed Extant
70463	<i>Athene cunicularia</i>	burrowing owl	Brentwood	Presumed Extant
53804	<i>Athene cunicularia</i>	burrowing owl	Brentwood	Presumed Extant
72593	<i>Athene cunicularia</i>	burrowing owl	Brentwood	Extirpated
71471	<i>Athene cunicularia</i>	burrowing owl	Brentwood	Presumed Extant
43961	<i>Athene cunicularia</i>	burrowing owl	Birds Landing	Presumed Extant
43973	<i>Athene cunicularia</i>	burrowing owl	Birds Landing	Presumed

EO ID	Scientific Name	Common Name	USGS Topographic Quad Name	Presence
				Extant
43945	<i>Athene cunicularia</i>	burrowing owl	Antioch North	Presumed Extant
43948	<i>Athene cunicularia</i>	burrowing owl	Antioch North	Presumed Extant
70180	<i>Athene cunicularia</i>	burrowing owl	Antioch North	Presumed Extant
48638	<i>Athene cunicularia</i>	burrowing owl	Walnut Creek	Presumed Extant
72492	<i>Athene cunicularia</i>	burrowing owl	Walnut Creek	Presumed Extant
62614	<i>Athene cunicularia</i>	burrowing owl	Antioch South	Presumed Extant
48919	<i>Athene cunicularia</i>	burrowing owl	Antioch South	Presumed Extant
52714	<i>Athene cunicularia</i>	burrowing owl	Antioch South	Presumed Extant
70462	<i>Athene cunicularia</i>	burrowing owl	Antioch South	Presumed Extant
52866	<i>Athene cunicularia</i>	burrowing owl	Antioch South	Presumed Extant
51942	<i>Athene cunicularia</i>	burrowing owl	Antioch South	Presumed Extant
73166	<i>Athene cunicularia</i>	burrowing owl	Antioch South	Presumed Extant
66366	<i>Athene cunicularia</i>	burrowing owl	Antioch South	Presumed Extant
52755	<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	Antioch South	Presumed Extant
52754	<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	Antioch South	Presumed Extant
52751	<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	Antioch South	Presumed Extant
48373	<i>Branchinecta mesovallensis</i>	midvalley fairy shrimp	Birds Landing	Presumed Extant
69955	<i>Buteo swainsoni</i>	Swainson's hawk	Brentwood	Presumed Extant
61769	<i>Callophrys mossii bayensis</i>	San Bruno elfin butterfly	Clayton	Presumed Extant
22743	<i>Coelus gracilis</i>	San Joaquin dune beetle	Antioch North	Extirpated
24074	<i>Dipodomys heermanni berkeleyensis</i>	Berkeley kangaroo rat	Clayton	Presumed Extant
6191	<i>Efferia antiochi</i>	Antioch efferian robberfly	Antioch North	Presumed Extant

EO ID	Scientific Name	Common Name	USGS Topographic Quad Name	Presence
64354	<i>Elanus leucurus</i>	white-tailed kite	Brentwood	Presumed Extant
64726	<i>Emys marmorata</i>	western pond turtle	Vine Hill	Presumed Extant
60286	<i>Eucerceris ruficeps</i>	redheaded sphecid wasp	Antioch North	Presumed Extant
60161	<i>Geothlypis trichas sinuosa</i>	saltmarsh common yellowthroat	Denverton	Presumed Extant
60178	<i>Geothlypis trichas sinuosa</i>	saltmarsh common yellowthroat	Denverton	Presumed Extant
24801	<i>Geothlypis trichas sinuosa</i>	saltmarsh common yellowthroat	Vine Hill	Presumed Extant
60152	<i>Geothlypis trichas sinuosa</i>	saltmarsh common yellowthroat	Denverton	Presumed Extant
60184	<i>Geothlypis trichas sinuosa</i>	saltmarsh common yellowthroat	Denverton	Presumed Extant
60183	<i>Geothlypis trichas sinuosa</i>	saltmarsh common yellowthroat	Denverton	Presumed Extant
59856	<i>Geothlypis trichas sinuosa</i>	saltmarsh common yellowthroat	Vine Hill	Presumed Extant
60185	<i>Geothlypis trichas sinuosa</i>	saltmarsh common yellowthroat	Denverton	Presumed Extant
59857	<i>Geothlypis trichas sinuosa</i>	saltmarsh common yellowthroat	Vine Hill	Presumed Extant
21392	<i>Geothlypis trichas sinuosa</i>	saltmarsh common yellowthroat	Vine Hill	Presumed Extant
61203	<i>Helminthoglypta nickliniana bridgesi</i>	Bridges' coast range shoulderband	Vine Hill	Presumed Extant
23088	<i>Helminthoglypta nickliniana bridgesi</i>	Bridges' coast range shoulderband	Clayton	Presumed Extant
7180	<i>Hygrotus curvipes</i>	curved-foot hygrotus diving beetle	Brentwood	Presumed Extant
66921	<i>Hypomesus transpacificus</i>	Delta smelt	Jersey Island	Presumed Extant
6192	<i>Idiostatus middlekauffi</i>	Middlekauff's shieldback katydid	Antioch North	Presumed Extant
69709	<i>Lasiurus blossevillii</i>	western red bat	Denverton	Presumed Extant
69704	<i>Lasiurus blossevillii</i>	western red bat	Antioch North	Presumed Extant
68777	<i>Lasiurus cinereus</i>	hoary bat	Walnut Creek	Presumed Extant
68776	<i>Lasiurus cinereus</i>	hoary bat	Walnut Creek	Presumed Extant

EO ID	Scientific Name	Common Name	USGS Topographic Quad Name	Presence
63286	<i>Laterallus jamaicensis coturniculus</i>	California black rail	Vine Hill	Presumed Extant
63285	<i>Laterallus jamaicensis coturniculus</i>	California black rail	Vine Hill	Presumed Extant
71494	<i>Laterallus jamaicensis coturniculus</i>	California black rail	Denverton	Presumed Extant
71483	<i>Laterallus jamaicensis coturniculus</i>	California black rail	Vine Hill	Presumed Extant
71480	<i>Laterallus jamaicensis coturniculus</i>	California black rail	Vine Hill	Presumed Extant
7052	<i>Laterallus jamaicensis coturniculus</i>	California black rail	Jersey Island	Presumed Extant
71486	<i>Laterallus jamaicensis coturniculus</i>	California black rail	Vine Hill	Presumed Extant
25800	<i>Laterallus jamaicensis coturniculus</i>	California black rail	Vine Hill	Presumed Extant
71493	<i>Laterallus jamaicensis coturniculus</i>	California black rail	Denverton	Presumed Extant
25794	<i>Laterallus jamaicensis coturniculus</i>	California black rail	Vine Hill	Presumed Extant
71479	<i>Laterallus jamaicensis coturniculus</i>	California black rail	Vine Hill	Presumed Extant
52749	<i>Lepidurus packardi</i>	vernal pool tadpole shrimp	Antioch South	Presumed Extant
48453	<i>Linderiella occidentalis</i>	California linderiella	Vine Hill	Presumed Extant
0	<i>Masticophis lateralis euryxanthus</i>	Alameda whipsnake	Walnut Creek	Presumed Extant
0	<i>Masticophis lateralis euryxanthus</i>	Alameda whipsnake	Antioch South	Presumed Extant
0	<i>Masticophis lateralis euryxanthus</i>	Alameda whipsnake	Diablo	Presumed Extant
0	<i>Masticophis lateralis euryxanthus</i>	Alameda whipsnake	Clayton	Presumed Extant
24622	<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	Denverton	Presumed Extant
60901	<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	Vine Hill	Presumed Extant
24618	<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	Honker Bay	Presumed Extant
24623	<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	Vine Hill	Presumed Extant
24620	<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	Honker Bay	Presumed Extant

EO ID	Scientific Name	Common Name	USGS Topographic Quad Name	Presence
60261	<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	Denverton	Presumed Extant
13339	<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	Honker Bay	Presumed Extant
21208	<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	Vine Hill	Presumed Extant
14645	<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	Vine Hill	Presumed Extant
60408	<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	Denverton	Presumed Extant
60259	<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	Denverton	Presumed Extant
21254	<i>Melospiza melodia maxillaris</i>	Suisun song sparrow	Vine Hill	Presumed Extant
60265	<i>Metapogon hurdi</i>	Hurd's metapogon robberfly	Antioch North	Presumed Extant
6186	<i>Myrmosula pacifica</i>	Antioch multilid wasp	Antioch North	Presumed Extant
58037	<i>Perdita scitula antiochensis</i>	Antioch andrenid bee	Brentwood	Extirpated
6187	<i>Perdita scitula antiochensis</i>	Antioch andrenid bee	Antioch North	Presumed Extant
33760	<i>Perognathus inornatus inornatus</i>	San Joaquin pocket mouse	Antioch South	Presumed Extant
27030	<i>Phalacrocorax auritus</i>	double-crested cormorant	Antioch North	Presumed Extant
6188	<i>Philanthus nasalis</i>	Antioch specid wasp	Antioch North	Extirpated
66137	<i>Phrynosoma blainvillii</i>	coast horned lizard	Clayton	Presumed Extant
48126	<i>Phrynosoma blainvillii</i>	coast horned lizard	Clayton	Presumed Extant
47504	<i>Pogonichthys macrolepidotus</i>	Sacramento splittail	Vine Hill	Presumed Extant
47503	<i>Pogonichthys macrolepidotus</i>	Sacramento splittail	Vine Hill	Presumed Extant
59192	<i>Rallus longirostris obsoletus</i>	California clapper rail	Vine Hill	Presumed Extant
41088	<i>Rallus longirostris obsoletus</i>	California clapper rail	Vine Hill	Presumed Extant
59554	<i>Rallus longirostris obsoletus</i>	California clapper rail	Vine Hill	Presumed Extant
33882	<i>Rallus longirostris obsoletus</i>	California clapper rail	Vine Hill	Presumed Extant
30356	<i>Rallus longirostris</i>	California clapper rail	Vine Hill	Presumed

EO ID	Scientific Name	Common Name	USGS Topographic Quad Name	Presence
	<i>obsoletus</i>			Extant
59580	<i>Rallus longirostris obsoletus</i>	California clapper rail	Vine Hill	Presumed Extant
59570	<i>Rallus longirostris obsoletus</i>	California clapper rail	Honker Bay	Presumed Extant
40833	<i>Rana draytonii</i>	California red-legged frog	Antioch South	Presumed Extant
50123	<i>Rana draytonii</i>	California red-legged frog	Antioch South	Presumed Extant
75679	<i>Rana draytonii</i>	California red-legged frog	Antioch South	Presumed Extant
75682	<i>Rana draytonii</i>	California red-legged frog	Antioch South	Presumed Extant
46394	<i>Rana draytonii</i>	California red-legged frog	Antioch South	Presumed Extant
1790	<i>Rana draytonii</i>	California red-legged frog	Antioch South	Presumed Extant
67518	<i>Rana draytonii</i>	California red-legged frog	Antioch South	Presumed Extant
13583	<i>Rana draytonii</i>	California red-legged frog	Antioch South	Presumed Extant
68409	<i>Rana draytonii</i>	California red-legged frog	Antioch South	Presumed Extant
33749	<i>Rana draytonii</i>	California red-legged frog	Antioch South	Presumed Extant
68411	<i>Rana draytonii</i>	California red-legged frog	Antioch South	Presumed Extant
42798	<i>Rana draytonii</i>	California red-legged frog	Antioch South	Presumed Extant
68184	<i>Rana draytonii</i>	California red-legged frog	Clayton	Presumed Extant
1571	<i>Rana draytonii</i>	California red-legged frog	Clayton	Presumed Extant
14565	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Honker Bay	Presumed Extant
42116	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Denverton	Presumed Extant
23864	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Vine Hill	Presumed Extant
14556	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Vine Hill	Presumed Extant
23876	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Denverton	Presumed Extant
23879	<i>Reithrodontomys</i>	salt-marsh harvest mouse	Honker Bay	Presumed

EO ID	Scientific Name	Common Name	USGS Topographic Quad Name	Presence
	<i>raviventris</i>			Extant
54417	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Denverton	Presumed Extant
51505	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Honker Bay	Presumed Extant
41876	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Honker Bay	Presumed Extant
54421	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Denverton	Presumed Extant
41877	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Denverton	Presumed Extant
32839	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Denverton	Presumed Extant
32847	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Denverton	Presumed Extant
14536	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Denverton	Presumed Extant
41875	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Honker Bay	Presumed Extant
21251	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Vine Hill	Presumed Extant
23828	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Vine Hill	Presumed Extant
32600	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Vine Hill	Presumed Extant
14553	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Vine Hill	Presumed Extant
59327	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Denverton	Presumed Extant
21390	<i>Reithrodontomys raviventris</i>	salt-marsh harvest mouse	Vine Hill	Presumed Extant
24374	<i>Sorex ornatus sinuosus</i>	Suisun shrew	Denverton	Presumed Extant
59332	<i>Sphecodogastra antiochensis</i>	Antioch Dunes halcetid bee	Antioch North	Presumed Extant
71207	<i>Taxidea taxus</i>	American badger	Antioch South	Presumed Extant
57212	<i>Taxidea taxus</i>	American badger	Antioch South	Presumed Extant
71208	<i>Taxidea taxus</i>	American badger	Antioch South	Presumed Extant
34778	<i>Thamnophis gigas</i>	giant garter snake	Jersey Island	Presumed Extant
27584	<i>Thamnophis gigas</i>	giant garter snake	Jersey Island	Presumed

EO ID	Scientific Name	Common Name	USGS Topographic Quad Name	Presence
				Extant
67452	<i>Vulpes macrotis mutica</i>	San Joaquin kit fox	Antioch South	Presumed Extant
41364	<i>Vulpes macrotis mutica</i>	San Joaquin kit fox	Antioch South	Presumed Extant
<i>Habitats</i>				
16103		Coastal Brackish Marsh	Denverton	Presumed Extant
16102		Coastal Brackish Marsh	Vine Hill	Presumed Extant
16105		Coastal Brackish Marsh	Honker Bay	Presumed Extant
30357		Coastal Brackish Marsh	Vine Hill	Presumed Extant
16107		Coastal Brackish Marsh	Honker Bay	Presumed Extant
25054		Coastal Brackish Marsh	Vine Hill	Presumed Extant
21437		Coastal Brackish Marsh	Vine Hill	Presumed Extant
16261		Serpentine Bunchgrass	Clayton	Presumed Extant
7780		Serpentine Bunchgrass	Clayton	Presumed Extant
6184		Stabilized Interior Dunes	Antioch North	Presumed Extant



United States Department of the Interior
FISH AND WILDLIFE SERVICE
Sacramento Fish and Wildlife Office
2800 Cottage Way, Room W-2605
Sacramento, California 95825



September 2, 2011

Document Number: 110902122947

Molly Sandomire
TRC Solutions
80 Stone Pine Road
Suite 200
Half Moon Bay, CA 94019

Subject: Species List for WesPac Pittsburg Energy Infrastructure Project

Dear: Ms. Sandomire

We are sending this official species list in response to your September 2, 2011 request for information about endangered and threatened species. The list covers the California counties and/or U.S. Geological Survey 7½ minute quad or quads you requested.

Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our lists include all of the sensitive species that have been found in a certain area *and also ones that may be affected by projects in the area*. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the species we want people to consider when they do something that affects the environment.

Please read Important Information About Your Species List (below). It explains how we made the list and describes your responsibilities under the Endangered Species Act.

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be December 01, 2011.

Please contact us if your project may affect endangered or threatened species or if you have any questions about the attached list or your responsibilities under the Endangered Species Act. A list of Endangered Species Program contacts can be found at www.fws.gov/sacramento/es/branches.htm.

Endangered Species Division



**U.S. Fish & Wildlife Service
Sacramento Fish & Wildlife Office**

**Federal Endangered and Threatened Species that Occur in
or may be Affected by Projects in the Counties and/or
U.S.G.S. 7 1/2 Minute Quads you requested**

Document Number: 110902122947

Database Last Updated: April 29, 2010

Quad Lists

Listed Species

Invertebrates

- Branchinecta lynchi*
vernal pool fairy shrimp (T)
- Desmocerus californicus dimorphus*
valley elderberry longhorn beetle (T)
- Elaphrus viridis*
delta green ground beetle (T)

Fish

- Acipenser medirostris*
green sturgeon (T) (NMFS)
- Hypomesus transpacificus*
Critical habitat, delta smelt (X)
delta smelt (T)
- Oncorhynchus mykiss*
Central Valley steelhead (T) (NMFS)
Critical habitat, Central Valley steelhead (X) (NMFS)
- Oncorhynchus tshawytscha*
Central Valley spring-run chinook salmon (T) (NMFS)
Critical habitat, winter-run chinook salmon (X) (NMFS)
winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

- Ambystoma californiense*
California tiger salamander, central population (T)
- Rana draytonii*
California red-legged frog (T)

Reptiles

- Masticophis lateralis euryxanthus*
Alameda whipsnake [=striped racer] (T)
- Thamnophis gigas*
giant garter snake (T)

Birds

- Rallus longirostris obsoletus*
California clapper rail (E)
- Sternula antillarum* (=Sterna, =albifrons) browni
California least tern (E)

Mammals

- Reithrodontomys raviventris*
salt marsh harvest mouse (E)

Plants

Cordylanthus mollis ssp. mollis
soft bird's-beak (E)

Oenothera deltoides ssp. howellii
Antioch Dunes evening-primrose (E)

Proposed Species

Amphibians

Rana draytonii
Critical habitat, California red-legged frog (PX)

Quads Containing Listed, Proposed or Candidate Species:

HONKER BAY (481C)

County Lists

Contra Costa County

Listed Species

Invertebrates

Apodemia mormo langei
Lange's metalmark butterfly (E)

Branchinecta conservatio
Conservancy fairy shrimp (E)

Branchinecta longiantenna
Critical habitat, longhorn fairy shrimp (X)
longhorn fairy shrimp (E)

Branchinecta lynchi
Critical habitat, vernal pool fairy shrimp (X)
vernal pool fairy shrimp (T)

Desmocerus californicus dimorphus
valley elderberry longhorn beetle (T)

Lepidurus packardii
vernal pool tadpole shrimp (E)

Speyeria callippe callippe
callippe silverspot butterfly (E)

Fish

Acipenser medirostris
green sturgeon (T) (NMFS)

Eucyclogobius newberryi
tidewater goby (E)

Hypomesus transpacificus
Critical habitat, delta smelt (X)
delta smelt (T)

Oncorhynchus kisutch

coho salmon - central CA coast (E) (NMFS)

Oncorhynchus mykiss

Central California Coastal steelhead (T) (NMFS)
Critical habitat, Central California coastal steelhead (X) (NMFS)
Critical habitat, Central Valley steelhead (X) (NMFS)

Oncorhynchus tshawytscha

Central Valley spring-run chinook salmon (T) (NMFS)
Critical Habitat, Central Valley spring-run chinook (X) (NMFS)
Critical habitat, winter-run chinook salmon (X) (NMFS)
winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

Ambystoma californiense

California tiger salamander, central population (T)

Rana draytonii

California red-legged frog (T)
Critical habitat, California red-legged frog (X)

Reptiles

Masticophis lateralis euryxanthus

Alameda whipsnake [=striped racer] (T)
Critical habitat, Alameda whipsnake (X)

Thamnophis gigas

giant garter snake (T)

Birds

Charadrius alexandrinus nivosus

western snowy plover (T)

Pelecanus occidentalis californicus

California brown pelican (E)

Rallus longirostris obsoletus

California clapper rail (E)

Sternula antillarum (=Sterna, =albifrons) browni

California least tern (E)

Mammals

Reithrodontomys raviventris

salt marsh harvest mouse (E)

Vulpes macrotis mutica

San Joaquin kit fox (E)

Plants

Amsinckia grandiflora

large-flowered fiddleneck (E)

Arctostaphylos pallida
pallid manzanita (=Alameda or Oakland Hills manzanita) (T)

Cordylanthus mollis ssp. mollis
soft bird's-beak (E)

Erysimum capitatum ssp. angustatum
Contra Costa wallflower (E)
Critical Habitat, Contra Costa wallflower (X)

Holocarpha macradenia
Critical habitat, Santa Cruz tarplant (X)
Santa Cruz tarplant (T)

Lasthenia conjugens
Contra Costa goldfields (E)
Critical habitat, Contra Costa goldfields (X)

Oenothera deltoides ssp. howellii
Antioch Dunes evening-primrose (E)
Critical habitat, Antioch Dunes evening-primrose (X)

Proposed Species

Amphibians

Rana draytonii
Critical habitat, California red-legged frog (PX)

Plants

Cordylanthus mollis ssp. mollis
Critical habitat, soft bird's-beak (PX)

Key:

(E) *Endangered* - Listed as being in danger of extinction.

(T) *Threatened* - Listed as likely to become endangered within the foreseeable future.

(P) *Proposed* - Officially proposed in the Federal Register for listing as endangered or threatened.

(NMFS) Species under the Jurisdiction of the [National Oceanic & Atmospheric Administration Fisheries Service](#). Consult with them directly about these species.

Critical Habitat - Area essential to the conservation of a species.

(PX) *Proposed Critical Habitat* - The species is already listed. Critical habitat is being proposed for it.

(C) *Candidate* - Candidate to become a proposed species.

(V) *Vacated* by a court order. Not currently in effect. Being reviewed by the Service.

(X) *Critical Habitat* designated for this species

Important Information About Your Species List

How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7½ minute quads. The United States is divided into these quads, which are about the size of San Francisco.

The animals on your species list are ones that occur within, or may be affected by projects

The animals on your species list are ones that occur within, **or may be affected by** projects within, the quads covered by the list.

- Fish and other aquatic species appear on your list if they are in the same watershed as your quad or if water use in your quad might affect them.
- Amphibians will be on the list for a quad or county if pesticides applied in that area may be carried to their habitat by air currents.
- Birds are shown regardless of whether they are resident or migratory. Relevant birds on the county list should be considered regardless of whether they appear on a quad list.

Plants

Any plants on your list are ones that have actually been observed in the area covered by the list. Plants may exist in an area without ever having been detected there. You can find out what's in the surrounding quads through the California Native Plant Society's online [Inventory of Rare and Endangered Plants](#).

Surveying

Some of the species on your list may not be affected by your project. A trained biologist and/or botanist, familiar with the habitat requirements of the species on your list, should determine whether they or habitats suitable for them may be affected by your project. We recommend that your surveys include any proposed and candidate species on your list. See our [Protocol](#) and [Recovery Permits](#) pages.

For plant surveys, we recommend using the [Guidelines for Conducting and Reporting Botanical Inventories](#). The results of your surveys should be published in any environmental documents prepared for your project.

Your Responsibilities Under the Endangered Species Act

All animals identified as listed above are fully protected under the Endangered Species Act of 1973, as amended. Section 9 of the Act and its implementing regulations prohibit the take of a federally listed wildlife species. Take is defined by the Act as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" any such animal.

Take may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or shelter (50 CFR §17.3).

Take incidental to an otherwise lawful activity may be authorized by one of two procedures:

- If a Federal agency is involved with the permitting, funding, or carrying out of a project that may result in take, then that agency must engage in a formal [consultation](#) with the Service. During formal consultation, the Federal agency, the applicant and the Service work together to avoid or minimize the impact on listed species and their habitat. Such consultation would result in a biological opinion by the Service addressing the anticipated effect of the project on listed and proposed species. The opinion may authorize a limited level of incidental take.
- If no Federal agency is involved with the project, and federally listed species may be taken as part of the project, then you, the applicant, should apply for an incidental take permit. The Service may issue such a permit if you submit a satisfactory conservation plan for the species that would be affected by your project.

Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should include the plan in any environmental documents you file.

Critical Habitat

When a species is listed as endangered or threatened, areas of habitat considered essential to its conservation may be designated as critical habitat. These areas may require special management considerations or protection. They provide needed space for growth and normal behavior; food, water, air, light, other nutritional or physiological requirements; cover or shelter; and sites for breeding, reproduction, rearing of offspring, germination or seed dispersal.

Although critical habitat may be designated on private or State lands, activities on these lands are not restricted unless there is Federal involvement in the activities or direct harm to listed wildlife.

If any species has proposed or designated critical habitat within a quad, there will be a separate line for this on the species list. Boundary descriptions of the critical habitat may be found in the Federal Register. The information is also reprinted in the Code of Federal Regulations (50 CFR 17.95). See our [Map Room](#) page.

Candidate Species

We recommend that you address impacts to candidate species. We put plants and animals on our candidate list when we have enough scientific information to eventually propose them for listing as threatened or endangered. By considering these species early in your planning process you may be able to avoid the problems that could develop if one of these candidates was listed before the end of your project.

Species of Concern

The Sacramento Fish & Wildlife Office no longer maintains a list of species of concern. However, various other agencies and organizations maintain lists of at-risk species. These lists provide essential information for land management planning and conservation efforts. [More info](#)

Wetlands

If your project will impact wetlands, riparian habitat, or other jurisdictional waters as defined by section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act, you will need to obtain a permit from the U.S. Army Corps of Engineers. Impacts to wetland habitats require site specific mitigation and monitoring. For questions regarding wetlands, please contact Mark Littlefield of this office at (916) 414-6520.

Updates

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be December 01, 2011.