

Appendix B

Special-Status Species
Database Search Results



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Sacramento Fish And Wildlife Office
Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846
Phone: (916) 414-6600 Fax: (916) 414-6713

In Reply Refer To:

April 04, 2020

Consultation Code: 08ESMF00-2020-SLI-1535

Event Code: 08ESMF00-2020-E-04817

Project Name: Natomas Town Center East

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, under the jurisdiction of the U.S. Fish and Wildlife Service (Service) 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 Service under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Please follow the link below to see if your proposed project has the potential to affect other species or their habitats under the jurisdiction of the National Marine Fisheries Service:

http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

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(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Sacramento Fish And Wildlife Office

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

(916) 414-6600

Project Summary

Consultation Code: 08ESMF00-2020-SLI-1535

Event Code: 08ESMF00-2020-E-04817

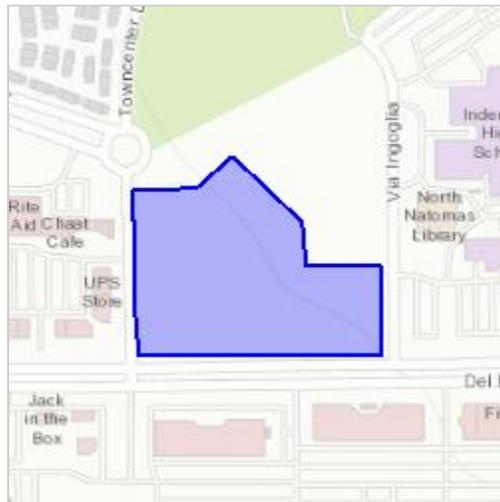
Project Name: Natomas Town Center East

Project Type: DEVELOPMENT

Project Description: Planned Development

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/38.65715122980651N121.52081752319901W>



Counties: Sacramento, CA

Endangered Species Act Species

There is a total of 7 threatened, endangered, or candidate species on this 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.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Reptiles

NAME	STATUS
Giant Garter Snake <i>Thamnophis gigas</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4482	Threatened

Amphibians

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2891 Species survey guidelines: https://ecos.fws.gov/ipac/guideline/survey/population/205/office/11420.pdf	Threatened
California Tiger Salamander <i>Ambystoma californiense</i> Population: U.S.A. (Central CA DPS) There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2076	Threatened

Fishes

NAME	STATUS
Delta Smelt <i>Hypomesus transpacificus</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/321	Threatened

Insects

NAME	STATUS
Valley Elderberry Longhorn Beetle <i>Desmocerus californicus dimorphus</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7850 Habitat assessment guidelines: https://ecos.fws.gov/ipac/guideline/assessment/population/436/office/11420.pdf	Threatened

Crustaceans

NAME	STATUS
Vernal Pool Fairy Shrimp <i>Branchinecta lynchi</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/498	Threatened
Vernal Pool Tadpole Shrimp <i>Lepidurus packardii</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2246	Endangered

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



Selected Elements by Element Code
California Department of Fish and Wildlife
California Natural Diversity Database



Query Criteria: BIOS selection

Element Code	Species	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
AAABF02020	<i>Spea hammondi</i> western spadefoot	None	None	G3	S3	SSC
ABNGA04010	<i>Ardea herodias</i> great blue heron	None	None	G5	S4	
ABNGA04040	<i>Ardea alba</i> great egret	None	None	G5	S4	
ABNGA06030	<i>Egretta thula</i> snowy egret	None	None	G5	S4	
ABNGA11010	<i>Nycticorax nycticorax</i> black-crowned night heron	None	None	G5	S4	
ABNGE02020	<i>Plegadis chihi</i> white-faced ibis	None	None	G5	S3S4	WL
ABNKC06010	<i>Elanus leucurus</i> white-tailed kite	None	None	G5	S3S4	FP
ABNKC12040	<i>Accipiter cooperii</i> Cooper's hawk	None	None	G5	S4	WL
ABNKC19070	<i>Buteo swainsoni</i> Swainson's hawk	None	Threatened	G5	S3	
ABNKD06030	<i>Falco columbarius</i> merlin	None	None	G5	S3S4	WL
ABNME03041	<i>Lateralus jamaicensis coturniculus</i> California black rail	None	Threatened	G3G4T1	S1	FP
ABNNB03031	<i>Charadrius alexandrinus nivosus</i> western snowy plover	Threatened	None	G3T3	S2S3	SSC
ABNNB03100	<i>Charadrius montanus</i> mountain plover	None	None	G3	S2S3	SSC
ABNRB02022	<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	Threatened	Endangered	G5T2T3	S1	
ABNSB10010	<i>Athene cunicularia</i> burrowing owl	None	None	G4	S3	SSC
ABPAU01010	<i>Progne subis</i> purple martin	None	None	G5	S3	SSC
ABPAU08010	<i>Riparia riparia</i> bank swallow	None	Threatened	G5	S2	
ABPBW01114	<i>Vireo bellii pusillus</i> least Bell's vireo	Endangered	Endangered	G5T2	S2	
ABPBXA3010	<i>Melospiza melodia</i> song sparrow ("Modesto" population)	None	None	G5	S3?	SSC
ABPBXB0020	<i>Agelaius tricolor</i> tricolored blackbird	None	Threatened	G2G3	S1S2	SSC



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California Natural Diversity Database



Element Code	Species	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
AFCHA0205A	<i>Oncorhynchus tshawytscha pop. 6</i> chinook salmon - Central Valley spring-run ESU	Threatened	Threatened	G5	S1	
AFCHA0205B	<i>Oncorhynchus tshawytscha pop. 7</i> chinook salmon - Sacramento River winter-run ESU	Endangered	Endangered	G5	S1	
AFCHA0209K	<i>Oncorhynchus mykiss irideus pop. 11</i> steelhead - Central Valley DPS	Threatened	None	G5T2Q	S2	
AFCHB03010	<i>Spirinchus thaleichthys</i> longfin smelt	Candidate	Threatened	G5	S1	
AFCHB04010	<i>Thaleichthys pacificus</i> eulachon	Threatened	None	G5	S3	
AFCJB34020	<i>Pogonichthys macrolepidotus</i> Sacramento splittail	None	None	GNR	S3	SSC
AFCQB07010	<i>Archoplites interruptus</i> Sacramento perch	None	None	G2G3	S1	SSC
AMACC02010	<i>Lasionycteris noctivagans</i> silver-haired bat	None	None	G5	S3S4	
AMACC05030	<i>Lasiurus cinereus</i> hoary bat	None	None	G5	S4	
AMACC05060	<i>Lasiurus blossevillii</i> western red bat	None	None	G5	S3	SSC
AMACC10010	<i>Antrozous pallidus</i> pallid bat	None	None	G5	S3	SSC
AMAJF04010	<i>Taxidea taxus</i> American badger	None	None	G5	S3	SSC
ARAAD02030	<i>Emys marmorata</i> western pond turtle	None	None	G3G4	S3	SSC
ARADB36150	<i>Thamnophis gigas</i> giant gartersnake	Threatened	Threatened	G2	S2	
CTT44110CA	<i>Northern Hardpan Vernal Pool</i> Northern Hardpan Vernal Pool	None	None	G3	S3.1	
CTT44120CA	<i>Northern Claypan Vernal Pool</i> Northern Claypan Vernal Pool	None	None	G1	S1.1	
CTT61410CA	<i>Great Valley Cottonwood Riparian Forest</i> Great Valley Cottonwood Riparian Forest	None	None	G2	S2.1	
CTT61420CA	<i>Great Valley Mixed Riparian Forest</i> Great Valley Mixed Riparian Forest	None	None	G2	S2.2	
CTT63440CA	<i>Elderberry Savanna</i> Elderberry Savanna	None	None	G2	S2.1	
ICBRA03030	<i>Branchinecta lynchi</i> vernal pool fairy shrimp	Threatened	None	G3	S3	
ICBRA06010	<i>Linderiella occidentalis</i> California linderiella	None	None	G2G3	S2S3	



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Element Code	Species	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
ICBRA10010	<i>Lepidurus packardii</i> vernal pool tadpole shrimp	Endangered	None	G4	S3S4	
IICOL02106	<i>Cicindela hirticollis abrupta</i> Sacramento Valley tiger beetle	None	None	G5TH	SH	
IICOL48011	<i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle	Threatened	None	G3T2	S2	
IIHYM15010	<i>Myrmosula pacifica</i> Antioch multilid wasp	None	None	GH	SH	
IIHYM24250	<i>Bombus occidentalis</i> western bumble bee	None	Candidate Endangered	G2G3	S1	
IIHYM24480	<i>Bombus crotchii</i> Crotch bumble bee	None	Candidate Endangered	G3G4	S1S2	
PDAST4R0P2	<i>Centromadia parryi ssp. parryi</i> pappose tarplant	None	None	G3T2	S2	1B.2
PDASTE8470	<i>Symphotrichum lentum</i> Suisun Marsh aster	None	None	G2	S2	1B.2
PDBRA1M0K1	<i>Lepidium latipes var. heckardii</i> Heckard's pepper-grass	None	None	G4T1	S1	1B.2
PDCAM060C0	<i>Downingia pusilla</i> dwarf downingia	None	None	GU	S2	2B.2
PDCAM0C010	<i>Legenere limosa</i> legenere	None	None	G2	S2	1B.1
PDCHE040B0	<i>Atriplex cordulata var. cordulata</i> heartscale	None	None	G3T2	S2	1B.2
PDCHE041F3	<i>Extriplex joaquinana</i> San Joaquin spearscale	None	None	G2	S2	1B.2
PDCHE042L0	<i>Atriplex depressa</i> brittlescale	None	None	G2	S2	1B.2
PDFAB0F8R1	<i>Astragalus tener var. tener</i> alkali milk-vetch	None	None	G2T1	S1	1B.2
PDFAB0F8R3	<i>Astragalus tener var. ferrisiae</i> Ferris' milk-vetch	None	None	G2T1	S1	1B.1
PDFAB400R5	<i>Trifolium hydrophilum</i> saline clover	None	None	G2	S2	1B.2
PDMAL0H0R3	<i>Hibiscus lasiocarpus var. occidentalis</i> woolly rose-mallow	None	None	G5T3	S3	1B.2
PDSCR0J0J0	<i>Chloropyron palmatum</i> palmate-bracted bird's-beak	Endangered	Endangered	G1	S1	1B.1
PDSCR0R060	<i>Gratiola heterosepala</i> Boggs Lake hedge-hyssop	None	Endangered	G2	S2	1B.2
PMALI040Q0	<i>Sagittaria sanfordii</i> Sanford's arrowhead	None	None	G3	S3	1B.2



Selected Elements by Element Code
California Department of Fish and Wildlife
California Natural Diversity Database



Element Code	Species	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
PMLILOV010	<i>Fritillaria agrestis</i> stinkbells	None	None	G3	S3	4.2
PMPOA53110	<i>Puccinellia simplex</i> California alkali grass	None	None	G3	S2	1B.2

Record Count: 64



*The database used to provide updates to the Online Inventory is under construction. [View updates and changes made since May 2019 here.](#)

Plant List

16 matches found. [Click on scientific name for details](#)

Search Criteria

California Rare Plant Rank is one of [1A, 1B, 2A, 2B], Found in Quads 3812176, 3812175, 3812174, 3812166, 3812165, 3812164, 3812156 3812155 and 3812154;

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Scientific Name	Common Name	Family	Lifeform	Blooming Period	Federal Listing Status	State Listing Status	CA Rare Plant Rank	Habitats	Lowest Elevation	Highest Elevation
Astragalus tener var. ferrisiae	Ferris' milk-vetch	Fabaceae	annual herb	Apr-May			1B.1	<ul style="list-style-type: none"> Meadows and seeps (vernally mesic) Valley and foothill grassland (subalkaline flats) 	2 m	75 m
Astragalus tener var. tener	alkali milk-vetch	Fabaceae	annual herb	Mar-Jun			1B.2	<ul style="list-style-type: none"> Playas Valley and foothill grassland (adobe clay) Vernal pools 	1 m	60 m
Atriplex cordulata var. cordulata	heartscale	Chenopodiaceae	annual herb	Apr-Oct			1B.2	<ul style="list-style-type: none"> Chenopod scrub Meadows and seeps Valley and foothill grassland (sandy) 	0 m	560 m
Atriplex depressa	brittlescale	Chenopodiaceae	annual herb	Apr-Oct			1B.2	<ul style="list-style-type: none"> Chenopod scrub Meadows and seeps Playas Valley and foothill grassland Vernal pools 	1 m	320 m
Centromadia parryi ssp. parryi	pappose tarplant	Asteraceae	annual herb	May-Nov			1B.2	<ul style="list-style-type: none"> Chaparral Coastal prairie 	0 m	420 m

<u>Chloropyron palmatum</u>	palmate-bracted bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	May-Oct	FE	CE	1B.1	<ul style="list-style-type: none"> • Meadows and seeps • Marshes and swamps (coastal salt) • Valley and foothill grassland (vernally mesic) • Chenopod scrub • Valley and foothill grassland 	5 m	155 m
<u>Downingia pusilla</u>	dwarf downingia	Campanulaceae	annual herb	Mar-May			2B.2	<ul style="list-style-type: none"> • Valley and foothill grassland (mesic) • Vernal pools 	1 m	445 m
<u>Extriplex joaquinana</u>	San Joaquin spearscale	Chenopodiaceae	annual herb	Apr-Oct			1B.2	<ul style="list-style-type: none"> • Chenopod scrub • Meadows and seeps • Playas • Valley and foothill grassland 	1 m	835 m
<u>Gratiola heterosepala</u>	Boggs Lake hedge-hyssop	Plantaginaceae	annual herb	Apr-Aug		CE	1B.2	<ul style="list-style-type: none"> • Marshes and swamps (lake margins) • Vernal pools 	10 m	2375 m
<u>Hibiscus lasiocarpus var. occidentalis</u>	woolly rose-mallow	Malvaceae	perennial rhizomatous herb (emergent)	Jun-Sep			1B.2	<ul style="list-style-type: none"> • Marshes and swamps (freshwater) 	0 m	120 m
<u>Legenere limosa</u>	legenere	Campanulaceae	annual herb	Apr-Jun			1B.1	<ul style="list-style-type: none"> • Vernal pools 	1 m	880 m
<u>Lepidium latipes var. heckardii</u>	Heckard's pepper-grass	Brassicaceae	annual herb	Mar-May			1B.2	<ul style="list-style-type: none"> • Valley and foothill grassland (alkaline flats) • Chenopod scrub • Meadows and seeps • Valley and foothill grassland • Vernal pools 	2 m	200 m
<u>Puccinellia simplex</u>	California alkali grass	Poaceae	annual herb	Mar-May			1B.2	<ul style="list-style-type: none"> • Marshes and swamps (assorted shallow freshwater) 	2 m	930 m
<u>Sagittaria sanfordii</u>	Sanford's arrowhead	Alismataceae	perennial rhizomatous herb (emergent)	May-Oct(Nov)			1B.2	<ul style="list-style-type: none"> • Marshes and swamps (assorted shallow freshwater) 	0 m	650 m
<u>Symphyotrichum lentum</u>	Suisun Marsh aster	Asteraceae	perennial rhizomatous herb	(Apr)May-Nov			1B.2	<ul style="list-style-type: none"> • Marshes and swamps (brackish and freshwater) 	0 m	3 m
<u>Trifolium hydrophilum</u>	saline clover	Fabaceae	annual herb	Apr-Jun			1B.2	<ul style="list-style-type: none"> • Marshes and swamps • Valley and foothill 	0 m	300 m

grassland
(mesic,
alkaline)
• Vernal pools

Suggested Citation

California Native Plant Society, Rare Plant Program. 2020. Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Website <http://www.rareplants.cnps.org> [accessed 03 April 2020].

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Questions and Comments

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