

California tiger salamander (*Ambystoma californiense*)

Legal Status: Federally Threatened Species

Range on Former Fort Ord: A total of 22 locations on approximately 40 acres of former Fort Ord are known California tiger salamander (CTS) breeding sites (See Back). Sub adults and adult CTS spend the dry summer and fall months of the year aestivating (existing in a state of dormancy or inactivity in response to hot, dry weather) in the burrows of small mammals, such as California ground squirrels (*Spermophilus beechyi*) and Botta's pocket gopher (*Thomomys bottae*).

Habitat: Vernal pools and ponds used in the winter and spring months. Upland habitats such as grasslands, oak savannahs, oak woodlands, and chaparral used during the dry months.

Size: Up to 208 millimeters (8.2 inches). Coloration consists of white or pale yellow spots or bars on a black background on the back and sides.

Protection Measures

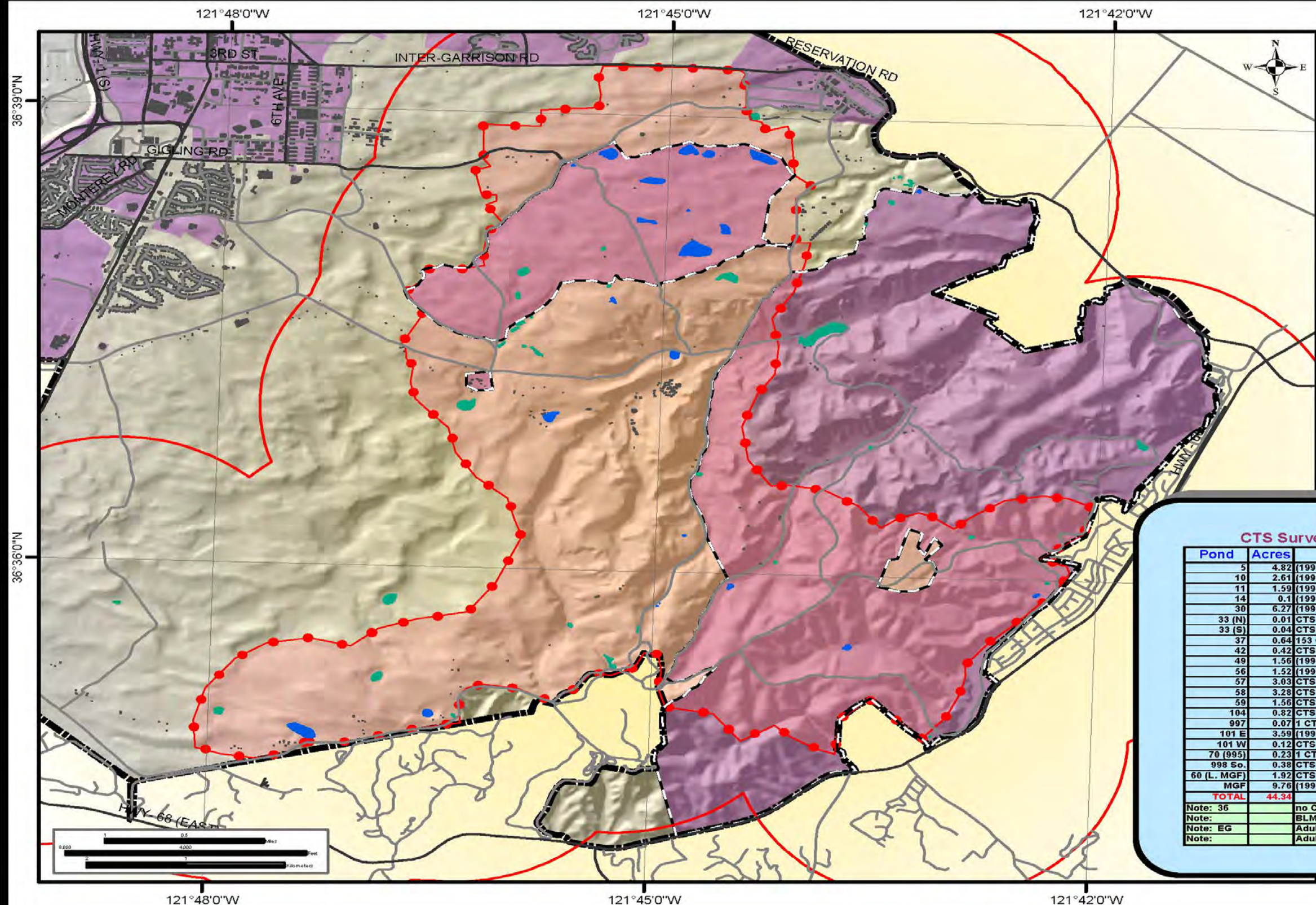
- Implement project-specific measures as required by the Biological Opinions, Rights-of-Entry, Lease, or Deed
- Collection and possession of CTS by non-authorized persons is prohibited by the Endangered Species Act
- Define and respect work area limits to minimize impacts
- Minimize ground disturbances to avoid impacts to burrows within 2 Kilometers of a known or potential CTS breeding pool
- Do not disturb, capture, handle, or move CTS
- Report immediately all salamanders including dead or injured salamanders to BRAC: 242-7920 or 7900.

California Tiger Salamander Larvae



California Tiger Salamander Adult





Coordinate System:
NAD83 Stateplane California Zone IV (feet)
Lambert Conformal Conic Projection

Data Source(s):
US Fish & Wildlife Service
US Army Corp of Engineers (Monterey PO)

Software:
ArcView/ArcInfo 8.3

Hardware:
DELL Precision 410

Printer:
HP DesignJet 755CM

Print Date:
03-31-05

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Explanation

- major roads
- BLM Land
- Fort Ord boundary
- 2 km buffer ring from CTS vernal pools
- Buildings and Facilities
- Transferred
- USFWS proposed CTS Critical Habitat
- Known CTS breeding habitat
- Potential CTS breeding habitat

Fort Ord CTS Survey History
CTS Survey (As of February 2005 in Former Fort Ord)

Pond	Acres	Survey
5	4.82	(1992) by the Army; CTS larvae (02-13-03) by BLM
10	2.61	(1992) by the Army
11	1.59	(1995) by the Army
14	0.1	(1992) by the Army
30	6.27	(1992) by the Army
33 (N)	0.01	CTS larvae (1992) by the Army
33 (S)	0.04	CTS larvae (1992) by the Army
37	0.64	153 CTS larvae (03-27-03) by BLM
42	0.42	CTS larvae (1992) by the Army/MACTEC -- after MR action at MRS 10A
49	1.56	(1992) by the Army
56	1.52	(1992) by the Army; CTS larvae (02-13-03) by BLM
57	3.03	CTS larvae (02-13-03) by BLM
58	3.28	CTS larvae (02-13-03) by BLM
59	1.56	CTS larvae (02-13-03) by BLM
104	0.82	CTS larvae (02-13-03) (03-27-03) by BLM
997	0.07	1 CTS larvae (03-16-03) by BLM
101 E	3.59	(1992) by the Army; CTS larvae (2002) (02-13-03) by BLM
101 W	0.12	CTS eggs and larvae (2002) by BLM; no CTS (02-13-03) (03-27-03) by BLM
70 (95)	0.23	1 CTS larvae (03-26-03) by BLM
998 So.	0.38	CTS larvae (03-27-03) by BLM
60 (L. MGF)	1.92	CTS larvae (02-13-03); 318 CTS larvae (03-26-03) by BLM
MGF	9.76	(1992) by the Army; 318 CTS larvae (03-26-03) by BLM
TOTAL	44.34	
Note: 36		no CTS (03-27-03) by BLM
Note:		BLM-HQ -- adult (11-20-01) by BLM
Note: EG		Adult CTS (07-26-04) discovered and released by the Army
Note:		Adult CTS trapped and relocated in 8 sites (02-05) Monterey County Contractor

California Tiger Salamander (CTS)

The CTS is a large and stocky terrestrial salamander. ... Adults may reach a total length of 208 millimeters (mm) (8.2 inches [in]) ... Coloration consists of white or pale yellow spots or bars on a black background on the back and sides.



Juveniles do not typically return to the breeding pools until they reach sexual maturity, at several years of age.



Given that all adult CTS reside in upland habitat at least 9 months each year, that CTS adults spend all of some years in upland habitat without returning to aquatic habitat, and that juveniles spend up to several years in upland habitat prior to their first re-entry into aquatic habitat, it is critical that land managers understand the importance of upland habitat to CTS.



Status on Salamander Listing

On August 4, 2004 the U.S. Fish and Wildlife Service (Service) listed CTS as a threatened species protected under the Endangered Species Act of 1973, as amended. CTS is included as a special-status species in the Army's Installation-Wide Multispecies Habitat Management Plan. In addition to listing CTS as a threatened species, on August 10, 2004 the Service proposed that 8,200 acres on former Fort Ord be designated as critical habitat for CTS. The Army has completed formal consultation with the Service in accordance with Section 7 of the Endangered Species Act. The consultation resulted in the Service issuing a non-jeopardy biological opinion requiring terms and conditions for implementing reasonable and prudent measures to reduce and avoid affects to CTS during iterim use of Army lands and during Army predisposal cleanup actions.

