

Appendix A

Biological Research Data Results



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad< IS (Freel Peak (3811978)< OR Woodfords (3811977)< OR Carters Station (3811976)< OR Carson Pass (3811968)< OR Markleeville (3811967)< OR Heenan Lake (3811966)< OR Wolf Creek (3811956)< OR Ebbetts Pass (3811957)< OR Pacific Valley (3811958))

Map Index Number: A1052	EO Index: 102613
Key Quad: Freel Peak (3811978)	Element Code: AAAAA01085
Occurrence Number: 434	Occurrence Last Updated: 2016-07-11

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2015-08-11	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2015-08-11	Occurrence Rank: Unknown
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
PONDS 1.5 TO 1.8 MILES WEST OF ARMSTRONG PASS, NORTH OF HELL HOLE, SOUTH OF SOUTH LAKE TAHOE.

Detailed Location:

Ecological:

Threats:

General:

275 LARVAE FOUND ON 21 AUG 2000, 79 ON 7 AUG 2012, 86 ON 27 JUN 2013, 7 ADULTS ON 7 JUL 2014, 105 LARVAE BETWEEN 22 AND 23 JUN 2015, AND 6 LARVAE FOUND ON 11 AUG 2015.

PLSS: T12N, R18E, Sec. 36, SW (M)	Accuracy: specific area	Area (acres): 27
UTM: Zone-11 N4302778 E244391	Latitude/Longitude: 38.83671 / -119.94485	Elevation (feet): 8,200

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:

FEL08D0001	FELLERS, G. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - MULTI-SPECIES EXCEL DATABASE OF AMPHIBIAN OCCURRENCES FROM 1992-2008 2008-09-29
USFNDD0002	U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 74604

EO Index: 102614

Key Quad: Freel Peak (3811978)

Element Code: AAAAAA01085

Occurrence Number: 435

Occurrence Last Updated: 2016-10-11

Scientific Name: *Ambystoma macrodactylum sigillatum*

Common Name: southern long-toed salamander

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern

CNDDDB Element Ranks: **Global:** G5T4

State: S3

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2015-08-11

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2015-08-11

Occurrence Rank: Unknown

Owner/Manager: USFS-LAKE TAHOE BMU

Trend: Unknown

Presence: Presumed Extant

Location:

HELL HOLE MEADOW ALONG TROUT CREEK TRIBUTARY, ABOUT 4 MILES SE OF MEYERS, SOUTH OF LAKE TAHOE.

Detailed Location:

Ecological:

Threats:

General:

1 SUBADULT AND 11 LARVAE FOUND ON 19 AUG 1997, 1 ADULT ON 13 JUN 2000, 1 LARVA ON 7 AUG 2012, 5 SUBADULTS ON 27 JUN 2013, 1 SUBADULT ON 13 AUG 2014 AND 7 LARVAE ON 11 AUG 2015.

PLSS: T11N, R18E, Sec. 01, W (M)

Accuracy: specific area

Area (acres): 44

UTM: Zone-11 N4301753 E244356

Latitude/Longitude: 38.82748 / -119.94486

Elevation (feet): 8,350

County Summary:

Quad Summary:

El Dorado

Freel Peak (3811978)

Sources:

- FEL08D0001 FELLERS, G. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - MULTI-SPECIES EXCEL DATABASE OF AMPHIBIAN OCCURRENCES FROM 1992-2008 2008-09-29
- OSB01U0002 OSBOURN, M. (U.S. GEOLOGICAL SURVEY) - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED 2001 -01-31
- USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1055

EO Index: 102615

Key Quad: Freel Peak (3811978)

Element Code: AAAAAA01085

Occurrence Number: 436

Occurrence Last Updated: 2016-07-11

Scientific Name: *Ambystoma macrodactylum sigillatum*

Common Name: southern long-toed salamander

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G5T4

State: S3

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2000-08-22

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2000-08-22

Occurrence Rank: Unknown

Owner/Manager: USFS-LAKE TAHOE BMU

Trend: Unknown

Presence: Presumed Extant

Location:

UNNAMED POND 1.3 MILES NORTH OF THOMPSON PEAK, NE OF FREEL MEADOWS, SOUTH OF LAKE TAHOE.

Detailed Location:

0.15 MILE NORTH OF USFS TRAIL 19E00.

Ecological:

Threats:

General:

125 LARVAE FOUND ON 22 AUG 2000.

PLSS: T11N, R18E, Sec. 12, W (M)

Accuracy: 80 meters

Area (acres): 5

UTM: Zone-11 N4300359 E244891

Latitude/Longitude: 38.81509 / -119.9382

Elevation (feet): 9,025

County Summary:

El Dorado

Quad Summary:

Freel Peak (3811978)

Sources:

FEL08D0001 FELLERS, G. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - MULTI-SPECIES EXCEL DATABASE OF AMPHIBIAN OCCURRENCES FROM 1992-2008 2008-09-29



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1063	EO Index: 102623
Key Quad: Freel Peak (3811978)	Element Code: AAAAAA01085
Occurrence Number: 439	Occurrence Last Updated: 2016-07-12

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2001-07-24	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-07-24	Occurrence Rank: Unknown
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
GRASS LAKE, SOUTH OF HIGHWAY 89, NW OF LUTHER PASS, SOUTH OF SOUTH LAKE TAHOE.

Detailed Location:

Ecological:

Threats:

General:

DETECTED ON 24 JULY 2001.

PLSS: T11N, R18E, Sec. 14 (M)	Accuracy: specific area	Area (acres): 51
UTM: Zone-11 N4297980 E242631	Latitude/Longitude: 38.79302 / -119.96331	Elevation (feet): 7,700

County Summary:

El Dorado

Quad Summary:

Freel Peak (3811978)

Sources:
CRI16D0001 CRIPE, K. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GIS DATA ASSEMBLED FOR UPDATES TO THE CALIFORNIA AMPHIBIAN AND REPTILE SPECIES OF SPECIAL CONCERN LIST 2016-05-06



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1068

EO Index: 102628

Key Quad: Freel Peak (3811978)

Element Code: AAAAAA01085

Occurrence Number: 444

Occurrence Last Updated: 2016-07-12

Scientific Name: *Ambystoma macrodactylum sigillatum*

Common Name: southern long-toed salamander

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern

CNDDDB Element Ranks: **Global:** G5T4

State: S3

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2003-06-13

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2003-06-13

Occurrence Rank: Unknown

Owner/Manager: USFS-TOIYABE NF

Trend: Unknown

Presence: Presumed Extant

Location:

POND BETWEEN WEST FORK CARSON RIVER & HIGHWAY 88, 1.3 ROAD MILES SW OF HIGHWAY 89, HOPE VALLEY, TOIYABE NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

2 LARVAE FOUND ON 13 JUNE 2003.

PLSS: T11N, R18E, Sec. 25, SW (M)

Accuracy: 80 meters

Area (acres): 5

UTM: Zone-11 N4295097 E244813

Latitude/Longitude: 38.7677 / -119.93715

Elevation (feet): 7,100

County Summary:

Quad Summary:

Alpine

Freel Peak (3811978)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1077	EO Index:	102644
Key Quad:	Carson Pass (3811968)	Element Code:	AAAAA01085
Occurrence Number:	453	Occurrence Last Updated:	2016-07-12

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:	Micro Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2003-07-02	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2003-07-02	Occurrence Rank:	Unknown
Owner/Manager:	USFS-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
 POND 0.7 MILE SOUTH OF HOPE VALLEY CAMPGROUND, WEST OF WEST FORK CARSON RIVER, TOIYABE NATIONAL FOREST.

Detailed Location:
 ON THE WEST SIDE OF BLUE LAKES ROAD, 2.4 MILES SOUTH OF ITS INTERSECTION WITH HIGHWAY 88.

Ecological:

Threats:

General:
 79 LARVAE FOUND ON 2 JULY 2003.

PLSS:	T10N, R19E, Sec. 7, SE (M)	Accuracy:	80 meters	Area (acres):	5
UTM:	Zone-11 N4289885 E245723	Latitude/Longitude:	38.72106 / -119.92477	Elevation (feet):	7,200

County Summary:	Quad Summary:
Alpine	Carson Pass (3811968)

Sources:
 DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1078	EO Index:	102645
Key Quad:	Carson Pass (3811968)	Element Code:	AAAAA01085
Occurrence Number:	454	Occurrence Last Updated:	2016-07-12

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2003-06-10	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2003-06-10	Occurrence Rank:	Unknown
Owner/Manager:	USFS-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:

POND 2.2 MILES EAST OF RED LAKE PEAK, 2.6 AIR MILES NE OF HIGHWAY 88 AT CARSON PASS, TOIYABE NATIONAL FOREST.

Detailed Location:**Ecological:****Threats:****General:**

25 LARVAE FOUND ON 10 JUNE 2003.

PLSS:	T10N, R18E, Sec. 13, NE (M)	Accuracy:	80 meters	Area (acres):	5
UTM:	Zone-11 N4289011 E243775	Latitude/Longitude:	38.71264 / -119.94683	Elevation (feet):	7,600

County Summary:

Alpine

Quad Summary:

Carson Pass (3811968)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1081

EO Index: 102648

Key Quad: Carson Pass (3811968)

Element Code: AAAAAA01085

Occurrence Number: 457

Occurrence Last Updated: 2016-07-12

Scientific Name: *Ambystoma macrodactylum sigillatum*

Common Name: southern long-toed salamander

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern

CNDDDB Element Ranks: **Global:** G5T4

State: S3

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2003-07-01

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2003-07-01

Occurrence Rank: Unknown

Owner/Manager: USFS-TOIYABE NF

Trend: Unknown

Presence: Presumed Extant

Location:

TWO PONDS, 2.9 AIR MILES ENE OF HIGHWAY 88 AT CARSON PASS, EAST OF RED LAKE, TOIYABE NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

25 LARVAE FOUND ON 1 JULY 2003.

PLSS: T10N, R19E, Sec. 18, SW (M)

Accuracy: specific area

Area (acres): 10

UTM: Zone-11 N4288345 E244615

Latitude/Longitude: 38.70689 / -119.93693

Elevation (feet): 7,700

County Summary:

Quad Summary:

Alpine

Carson Pass (3811968)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1092	EO Index: 102660
Key Quad: Carson Pass (3811968)	Element Code: AAAAAA01085
Occurrence Number: 463	Occurrence Last Updated: 2016-07-13

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2003-07-02	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-07-02	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
POND 3.5 AIR MILES EAST OF CARSON PASS, NE OF FAITH VALLEY, EAST OF BLUE LAKES ROAD, TOIYABE NATIONAL FOREST.

Detailed Location:
0.3 MILE SSW OF PEAK 8062.

Ecological:

Threats:

General:
18 LARVAE FOUND ON 2 JULY 2003.

PLSS: T10N, R19E, Sec. 19, SE (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4287003 E245632	Latitude/Longitude: 38.6951 / -119.92476	Elevation (feet): 7,800

County Summary: Alpine	Quad Summary: Carson Pass (3811968)
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Sources:
DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1094	EO Index:	102662
Key Quad:	Carson Pass (3811968)	Element Code:	AAAAA01085
Occurrence Number:	464	Occurrence Last Updated:	2016-07-13

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2003-07-02	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2003-07-02	Occurrence Rank:	Unknown
Owner/Manager:	USFS-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:

POND 4.1 AIR MILES EAST OF CARSON PASS, NE OF FAITH VALLEY, EAST OF BLUE LAKES ROAD, TOIYABE NATIONAL FOREST.

Detailed Location:

0.6 MILE SE OF PEAK 8062.

Ecological:**Threats:****General:**

9 LARVAE FOUND ON 2 JULY 2003.

PLSS:	T10N, R19E, Sec. 20, SE (M)	Accuracy:	80 meters	Area (acres):	5
UTM:	Zone-11 N4287031 E246741	Latitude/Longitude:	38.69567 / -119.91203	Elevation (feet):	8,100

County Summary:

Alpine

Quad Summary:

Carson Pass (3811968)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1097	EO Index:	102665
Key Quad:	Carson Pass (3811968)	Element Code:	AAAAA01085
Occurrence Number:	465	Occurrence Last Updated:	2016-07-13

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:
AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2013-07-17	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2013-07-17	Occurrence Rank:	Unknown
Owner/Manager:	USFS-ELDORADO NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
POND ON SOUTH SIDE OF HIGHWAY 88, 0.5 ROAD MILE WEST OF CARSON PASS, EAST OF CAPLES LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:
LARVAE DETECTED ON 17 JULY 2013.

PLSS:	T10N, R18E, Sec. 22, SW (M)	Accuracy:	80 meters	Area (acres):	5
UTM:	Zone-11 N4287057 E239377	Latitude/Longitude:	38.69376 / -119.99661	Elevation (feet):	8,500

County Summary:	Quad Summary:
Alpine	Carson Pass (3811968)

Sources:
USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

**Map Index Number:** 14483**EO Index:** 102670**Key Quad:** Carson Pass (3811968)**Element Code:** AAAAAA01085**Occurrence Number:** 468**Occurrence Last Updated:** 2016-07-13**Scientific Name:** *Ambystoma macrodactylum sigillatum***Common Name:** southern long-toed salamander**Listing Status:** **Federal:** None**Rare Plant Rank:****State:** None**Other Lists:** CDFW_SSC-Species of Special Concern**CNDDDB Element Ranks:** **Global:** G5T4**State:** S3**General Habitat:**

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 1957-09-05**Occurrence Type:** Natural/Native occurrence**Last Survey Date:** 1957-09-05**Occurrence Rank:** Unknown**Owner/Manager:** USFS-TOIYABE NF**Trend:** Unknown**Presence:** Presumed Extant**Location:**

FAITH VALLEY, ABOUT 3 MILES EAST OF CARSON PASS, TOIYABE NATIONAL FOREST.

Detailed Location:**Ecological:****Threats:****General:**

17 LARVAE COLLECTED ON 5 SEP 1957.

PLSS: T10N, R19E, Sec. 30 (M)**Accuracy:** 3/5 mile**Area (acres):** 0**UTM:** Zone-11 N4285663 E245073**Latitude/Longitude:** 38.68288 / -119.93068**Elevation (feet):** 7,500**County Summary:****Quad Summary:**

Alpine

Carson Pass (3811968)

Sources:

AND57S0010 ANDERSON, J. - MVZ #69795, 69796, 69797, 69798, 69799, 69800, 69801, 69802, 69803, 69804, 69805, 69806, 69807, 69808, 69809, 69810 & 69811 COLLECTED FROM FAITH VALLEY, 9 MI W MARKLEEVILLE 1957-09-05



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1124	EO Index:	102692
Key Quad:	Carson Pass (3811968)	Element Code:	AAAAA01085
Occurrence Number:	478	Occurrence Last Updated:	2016-07-14

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2003-08-27	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2003-08-27	Occurrence Rank:	Unknown
Owner/Manager:	USFS-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:

POND 0.5 MILE NE OF LOST LAKES, 4 MILES SE OF CARSON PASS, MOKELUMNE WILDERNESS, TOIYABE NATIONAL FOREST.

Detailed Location:**Ecological:****Threats:****General:**

6 LARVAE FOUND ON 27 AUGUST 2003.

PLSS:	T09N, R19E, Sec. 7, NW (M)	Accuracy:	1/10 mile	Area (acres):	18
UTM:	Zone-11 N4282178 E244059	Latitude/Longitude:	38.65122 / -119.94105	Elevation (feet):	8,100

County Summary:

Alpine

Quad Summary:

Carson Pass (3811968)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: A1130	EO Index: 102698
Key Quad: Carson Pass (3811968)	Element Code: AAAAAA01085
Occurrence Number: 482	Occurrence Last Updated: 2016-07-14

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2002-09-17	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2002-09-17	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
POND 0.9 MILE WEST OF UPPER BLUE LAKE CAMPGROUND, NW OF UPPER BLUE LAKE, MOKELUMNE WILDERNESS, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

110 LARVAE FOUND ON 17 SEP 2002.

PLSS: T09N, R18E, Sec. 11, NW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4281207 E241273	Latitude/Longitude: 38.64167 / -119.97266	Elevation (feet): 8,700

County Summary:

Alpine

Quad Summary:

Carson Pass (3811968)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1136	EO Index:	102704
Key Quad:	Carson Pass (3811968)	Element Code:	AAAAA01085
Occurrence Number:	487	Occurrence Last Updated:	2016-07-14

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:	Micro Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2010-07-01	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2010-07-01	Occurrence Rank:	Unknown
Owner/Manager:	USFS-ELDORADO NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
 POND 0.6 MILE SW OF UPPER BLUE LAKE CAMPGROUND, JUST INSIDE OF MOKELUMNE WILDERNESS, ELDORADO NATIONAL FOREST.

Detailed Location:
 0.8 MILE NORTH OF GRANITE LAKE.

Ecological:

Threats:

General:

14 LARVAE FOUND ON 23 JULY 2009. 4 ADULTS FOUND ON 1 JULY 2010.

PLSS:	T09N, R18E, Sec. 14, NE (M)	Accuracy:	80 meters	Area (acres):	5
UTM:	Zone-11 N4280026 E242156	Latitude/Longitude:	38.6313 / -119.96209	Elevation (feet):	8,350

County Summary:	Quad Summary:
Alpine	Carson Pass (3811968)

Sources:
 DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1137	EO Index:	102705
Key Quad:	Markleeville (3811967)	Element Code:	AAAAA01085
Occurrence Number:	488	Occurrence Last Updated:	2016-07-14

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:	Micro Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2003-09-10	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2003-09-10	Occurrence Rank:	Unknown
Owner/Manager:	USFS-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
UNNAMED POND ABOUT 1.3 MILE ESE OF JEFF DAVIS PEAK, MOKELUMNE WILDERNESS, TOIYABE NATIONAL FOREST.

Detailed Location:
0.5 MILE WEST OF THE CONFLUENCE JEFF DAVIS CREEK AND PLEASANT VALLEY CREEK.

Ecological:

Threats:

General:
65 LARVAE FOUND ON 10 SEP 2003.

PLSS:	T09N, R19E, Sec. 15, E (M)	Accuracy:	80 meters	Area (acres):	5
UTM:	Zone-11 N4279948 E250063	Latitude/Longitude:	38.63287 / -119.87134	Elevation (feet):	7,900

County Summary:	Quad Summary:
Alpine	Markleeville (3811967)

Sources:
DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1138	EO Index:	102706
Key Quad:	Markleeville (3811967)	Element Code:	AAAAA01085
Occurrence Number:	489	Occurrence Last Updated:	2016-07-14

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:	Micro Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2003-09-11	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2003-09-11	Occurrence Rank:	Unknown
Owner/Manager:	USFS-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
PONDS 2 MILES EAST OF JEFF DAVIS PEAK, MOKELUMNE WILDERNESS, TOIYABE NATIONAL FOREST.

Detailed Location:
IN 7 PONDS, FROM ABOUT 0.2 TO 0.9 MILE SOUTH OF THE CONFLUENCE OF PLEASANT VALLEY CREEK AND JEFF DAVIS CREEK.

Ecological:

Threats:

General:

91 LARVAE FOUND BETWEEN 10 JULY 2003 AND 11 SEPTEMBER 2003.

PLSS:	T09N, R19E, Sec. 14 (M)	Accuracy:	specific area	Area (acres):	34
UTM:	Zone-11 N4279371 E250932	Latitude/Longitude:	38.62791 / -119.86116	Elevation (feet):	7,600

County Summary:

Alpine

Quad Summary:

Ebbetts Pass (3811957), Markleeville (3811967)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1150	EO Index:	102720
Key Quad:	Carson Pass (3811968)	Element Code:	AAAAA01085
Occurrence Number:	492	Occurrence Last Updated:	2016-07-18

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2003-07-16	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2003-07-16	Occurrence Rank:	Unknown
Owner/Manager:	USFS-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:

PONDS 1.2 MI EAST OF UPPER BLUE LAKE DAM, BETWEEN PACIFIC CREST TRAIL AND BORDER RUFFIAN FLAT, TOIYABE NATIONAL FOREST.

Detailed Location:**Ecological:****Threats:****General:**

15 LARVAE FOUND ON 16 JULY 2003.

PLSS: T09N, R19E, Sec. 17, SW (M)	Accuracy: specific area	Area (acres): 9
UTM: Zone-11 N4279560 E245939	Latitude/Longitude: 38.6282 / -119.91852	Elevation (feet): 8,500

County Summary:

Alpine

Quad Summary:

Carson Pass (3811968)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1162	EO Index: 102730
Key Quad: Pacific Valley (3811958)	Element Code: AAAAAA01085
Occurrence Number: 493	Occurrence Last Updated: 2016-10-11

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2003-07-17	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-07-17	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
POND 0.5 MILE SW OF MIDDLE CREEK CAMPGROUND, SOUTH OF UPPER BLUE LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

10 EGG MASSES FOUND ON 17 JULY 2003.

PLSS: T09N, R18E, Sec. 13, SE (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4278932 E243753	Latitude/Longitude: 38.62192 / -119.94336	Elevation (feet): 8,200

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958)

Sources:
WIL03D0001 WILLIAMS, J. (U.S. FOREST SERVICE-ELDORADO NATIONAL FOREST) - GEODATABASE FILE CONTAINING ATTRIBUTE TABLE OF HERP 2002-2003 SURVEY OBSERVATIONS, ELDORADO NATIONAL FOREST. 2003-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1165	EO Index:	102732
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	494	Occurrence Last Updated:	2016-10-11

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2003-07-17	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2003-07-17	Occurrence Rank:	Unknown
Owner/Manager:	USFS-ELDORADO NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:

POND 0.9 MILE SW OF MIDDLE CREEK CAMPGROUND, SOUTH OF UPPER BLUE LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:

ALONG USFS TRAIL 18E08, ABOUT 0.5 MILE EAST OF GRANITE LAKE.

Ecological:

SMALL ALPINE POND.

Threats:**General:**

3 LARVAE DETECTED ON 16 JULY 1992. 2 LARVAE AND 200 EGG MASSES FOUND ON 17 JULY 2003.

PLSS: T09N, R18E, Sec. 13, S (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4278598 E243058	Latitude/Longitude: 38.61871 / -119.95121	Elevation (feet): 8,500

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958)

Sources:

BIL92F0001	BILYEU, G. - FIELD SURVEY FORM FOR AMBYSTOMA MACRODACTYLUM SIGILLATUM 1992-07-16
WIL03D0001	WILLIAMS, J. (U.S. FOREST SERVICE-ELDORADO NATIONAL FOREST) - GEODATABASE FILE CONTAINING ATTRIBUTE TABLE OF HERP 2002-2003 SURVEY OBSERVATIONS, ELDORADO NATIONAL FOREST. 2003-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1173	EO Index:	102739
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	500	Occurrence Last Updated:	2016-07-18

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:
AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2011-09-18	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2011-09-18	Occurrence Rank:	Unknown
Owner/Manager:	USFS-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
PONDS BETWEEN TAMARACK LAKE AND HELLHOLE LAKE, 2 MILES EAST OF LOWER BLUE LAKE, TOIYABE NATIONAL FOREST.

Detailed Location:
NE OF PACIFIC CREST TRAIL.

Ecological:

Threats:

General:

22 LARVAE FOUND BETWEEN 7 AND 9 JUL 2003. 1 LARVA FOUND ON 5 JUL 2005. 13 LARVAE FOUND ON 18 SEP 2011.

PLSS: T09N, R19E, Sec. 21, S (M)	Accuracy: specific area	Area (acres): 18
UTM: Zone-11 N4278084 E247975	Latitude/Longitude: 38.6155 / -119.89462	Elevation (feet): 7,900

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:
DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1177	EO Index:	102742
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	501	Occurrence Last Updated:	2016-07-18

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2005-07-31	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2005-07-31	Occurrence Rank:	Unknown
Owner/Manager:	PVT, USFS-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:

3 PONDS EAST OF LOWER BLUE LAKE, WEST OF TAMARACK LAKE, TOIYABE NATIONAL FOREST.

Detailed Location:

ALONG BLUE LAKES ROAD, 1 POND ON SOUTH SIDE OF ROAD ABOUT 0.08 MILE AND 2 PONDS ON NORTH SIDE ABOUT 0.5 MILE NORTH OF INTERSECTION WITH USFS ROAD 9N01.

Ecological:**Threats:****General:**

LARVA COLLECTED ON 1 SEP 1982. DETECTED ON 26 SEPT 2001. 1 LARVA FOUND 17 JULY 2003. DETECTED ON 31 JUL 2005.

PLSS: T09N, R19E, Sec. 20 (M)	Accuracy: specific area	Area (acres):	22
UTM: Zone-11 N4277950 E245865	Latitude/Longitude: 38.61369 / -119.91878	Elevation (feet):	8,100

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958)

Sources:

CRI16D0001	CRIFE, K. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GIS DATA ASSEMBLED FOR UPDATES TO THE CALIFORNIA AMPHIBIAN AND REPTILE SPECIES OF SPECIAL CONCERN LIST 2016-05-06
DFW16D0001	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25
ENG82S0024	ENG, L. - CAS #178425 COLLECTED FROM POND 0.3 MI E OF BLUE LAKE CAMPGROUND JUST W OF BLUE LAKE RD 1982-09-01



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1191	EO Index: 102756
Key Quad: Pacific Valley (3811958)	Element Code: AAAAAA01085
Occurrence Number: 502	Occurrence Last Updated: 2016-07-19

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2001-08-09	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-08-09	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:

POND ON EAST SIDE OF TAMARACK LAKE, EAST OF LOWER BLUE LAKE, TOIYABE NATIONAL FOREST.

Detailed Location:**Ecological:****Threats:****General:**

100 LARVAE FOUND ON 9 AUG 2001.

PLSS: T09N, R19E, Sec. 28, NW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4277457 E247485	Latitude/Longitude: 38.60971 / -119.90001	Elevation (feet): 7,900

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1197	EO Index:	102763
Key Quad:	Ebbetts Pass (3811957)	Element Code:	AAAAA01085
Occurrence Number:	506	Occurrence Last Updated:	2016-07-19

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:
AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2013-07-22	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2013-07-22	Occurrence Rank:	Unknown
Owner/Manager:	USFS-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
WET MEADOWS RESERVOIR, ABOUT 2 MILES WEST OF RAYMOND PEAK, TOIYABE NATIONAL FOREST.

Detailed Location:
AT WET MEADOWS RESERVOIR, AT ONE POND JUST NE AND AT TWO PONDS JUST SOUTH OF RESERVOIR.

Ecological:

Threats:

General:
1 LARVA FOUND ON 9 AUG 2001, 1 LARVA ON 11 JUL 2003, 45 LARVAE FOUND ON 22 JUL 2013.

PLSS: T09N, R19E, Sec. 27, NE (M)	Accuracy: specific area	Area (acres): 46
UTM: Zone-11 N4276862 E250325	Latitude/Longitude: 38.60516 / -119.86722	Elevation (feet): 8,000

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:
DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1200	EO Index: 102766
Key Quad: Pacific Valley (3811958)	Element Code: AAAAA01085
Occurrence Number: 507	Occurrence Last Updated: 2016-10-11

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2013-07-06	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-07-06	Occurrence Rank: Unknown
Owner/Manager: USFS, PVT	Trend: Unknown
Presence: Presumed Extant	

Location:
PONDS ABOUT 0.5 MILE NORTH OF LITTLE INDIAN VALLEY, AT BOUNDARY OF ELDORADO AND TOIYABE NATIONAL FORESTS.

Detailed Location:
AT LILY PAD LAKE AND 7 PONDS SOUTH OF THE PACIFIC CREST TRAIL, ON BOTH SIDES OF SUNSET LAKE ROAD.

Ecological:

Threats:

General:
LARVAE COLLECTED IN 1941. DETECTED ON 30 MAY 1992, 5 SEP 1999, 17 AUG 2000, 31 AUG 2001, 26 SEP 2001, AND 31 JUL 2005. 180 LARVAE FOUND BETWEEN 6 AND 9 AUG 2001, 1 EGG MASS ON 1 JUN 2012, 1 LARVA ON 6 JUL 2013.

PLSS: T09N, R19E, Sec. 28, E (M)	Accuracy: specific area	Area (acres): 39
UTM: Zone-11 N4276701 E248712	Latitude/Longitude: 38.60325 / -119.88567	Elevation (feet): 7,900

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:

CAL41S0002	CALHOUN, A. - CAS-SU #6409, 6410, 6411, 6412, 6413, 6414, 6415, 6416, 6417, 6418 & 6419 COLLECTED FROM 3 MI FROM BLUE LAKE NEAR LILY POOL, ON ROAD TO SUNSET LAKE 1941-08-12
CRI16D0001	CRIFE, K. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GIS DATA ASSEMBLED FOR UPDATES TO THE CALIFORNIA AMPHIBIAN AND REPTILE SPECIES OF SPECIAL CONCERN LIST 2016-05-06
DFW16D0001	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25
ELL92F0030	ELLIOT, G. & A. MCCREADY - FIELD SURVEY FORM FOR AMBYSTOMA MACRODACTYLUM SIGILLATUM 1992-05-30
ELL92F0031	ELLIOT, G. & A. MCCREADY - FIELD SURVEY FORM FOR AMBYSTOMA MACRODACTYLUM SIGILLATUM 1992-05-30
USFNDD0002	U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1202	EO Index:	102768
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	508	Occurrence Last Updated:	2016-07-19

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2012-06-01	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2012-06-01	Occurrence Rank:	Unknown
Owner/Manager:	USFS-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:

POND 0.8 MILE SE OF LOWER BLUE LAKE CAMPGROUND, WEST OF TAMARACK LAKE, TOIYABE NATIONAL FOREST.

Detailed Location:**Ecological:****Threats:****General:**

5 LARVAE FOUND ON 15 JUL 2003, 1 LARVA ON 6 JUL 2005, 1 LARVA ON 9 JUN 2009, AND 1 LARVA FOUND ON 1 JUN 2012.

PLSS:	T09N, R19E, Sec. 29, NW (M)	Accuracy:	80 meters	Area (acres):	5
UTM:	Zone-11 N4277114 E246382	Latitude/Longitude:	38.60631 / -119.91254	Elevation (feet):	8,300

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1203	EO Index:	102769
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	509	Occurrence Last Updated:	2016-10-11

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:
AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2003-07-15	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2003-07-15	Occurrence Rank:	Unknown
Owner/Manager:	PVT	Trend:	Unknown
Presence:	Presumed Extant		

Location:
POND BETWEEN THE EAST END OF TWIN LAKE AND THE SE END OF LOWER BLUE LAKE, NEAR MOKELUMNE WILDERNESS.

Detailed Location:
NORTH OF USFS ROAD 9N01, ABOUT 0.7 MILE WEST OF ITS INTERSECTION WITH BLUE LAKES ROAD.

Ecological:

Threats:

General:

LARVAE DETECTED ON 24 JUL 2001. 1 LARVA FOUND ON 15 JUL 2003.

PLSS: T09N, R19E, Sec. 30, NW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4277293 E244698	Latitude/Longitude: 38.60744 / -119.93192	Elevation (feet): 8,150

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:

USFNDD0002	U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX
WIL03D0001	WILLIAMS, J. (U.S. FOREST SERVICE-ELDORADO NATIONAL FOREST) - GEODATABASE FILE CONTAINING ATTRIBUTE TABLE OF HERP 2002-2003 SURVEY OBSERVATIONS, ELDORADO NATIONAL FOREST. 2003-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1205	EO Index:	102771
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	510	Occurrence Last Updated:	2016-07-19

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:
AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	1992-07-29	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	1992-07-29	Occurrence Rank:	Unknown
Owner/Manager:	USFS-ELDORADO NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
WEST OF MEADOW LAKE AND EAST OF TWIN LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

LARVAE DETECTED IN THIS VICINITY ON 29 JUL 1992.

PLSS:	T09N, R18E, Sec. 25, NW (M)	Accuracy:	1/5 mile	Area (acres):	70
UTM:	Zone-11 N4277241 E242659	Latitude/Longitude:	38.60639 / -119.95529	Elevation (feet):	8,000

County Summary:	Quad Summary:
Alpine	Pacific Valley (3811958)

Sources:
USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: A1206

EO Index: 102772

Key Quad: Pacific Valley (3811958)

Element Code: AAAAAA01085

Occurrence Number: 511

Occurrence Last Updated: 2016-07-19

Scientific Name: *Ambystoma macrodactylum sigillatum*

Common Name: southern long-toed salamander

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern

CNDDDB Element Ranks: **Global:** G5T4

State: S3

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2002-09-18

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2002-09-18

Occurrence Rank: Unknown

Owner/Manager: PVT

Trend: Unknown

Presence: Presumed Extant

Location:

PONDS SW OF MEADOW LAKE, ABOUT 2 MILES SSW OF DEADWOOD PEAK, NEAR MOKELUMNE WILDERNESS.

Detailed Location:

ONE POND JUST SE OF THE MEADOW LAKE DAM AND ANOTHER ABOUT 0.2 MILE SW OF THE DAM.

Ecological:

Threats:

General:

LARVAE DETECTED IN BOTH PONDS ON 24 JUL 2001. 3 LARVAE FOUND IN THE NE POND ON 18 SEP 2002.

PLSS: T09N, R18E, Sec. 26 (M)

Accuracy: specific area

Area (acres): 10

UTM: Zone-11 N4276428 E241049

Latitude/Longitude: 38.5986 / -119.97346

Elevation (feet): 7,838

County Summary:

Quad Summary:

Alpine

Pacific Valley (3811958)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25

USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1207	EO Index:	102773
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	512	Occurrence Last Updated:	2016-07-19

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:
AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2012-08-19	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2012-08-19	Occurrence Rank:	Unknown
Owner/Manager:	USFS-ELDORADO NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
PONDS IN DEADWOOD CANYON 0.3 TO 0.8 MILE WEST OF DEADWOOD LAKE, MOKELUMNE WILDERNESS, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

DETECTED IN 1996, 2000, AND 2001. 135 LARVAE AND 1 ADULT FOUND IN 2002, 106 LARVAE IN 2003, 197 LARVAE AND 32 METAMORPHS IN 2008, 1 ADULT IN 2010, AND 17 LARVAE FOUND IN 2012.

PLSS: T09N, R18E, Sec. 28, S (M)	Accuracy: specific area	Area (acres): 29
UTM: Zone-10 N4276679 E761179	Latitude/Longitude: 38.6002 / -120.00091	Elevation (feet): 8,400

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958), Mokelumne Peak (3812051)

Sources:

DFW16D0001	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25
USFNDD0002	U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: 44936

EO Index: 102774

Key Quad: Pacific Valley (3811958)

Element Code: AAAAAA01085

Occurrence Number: 513

Occurrence Last Updated: 2016-07-19

Scientific Name: *Ambystoma macrodactylum sigillatum*

Common Name: southern long-toed salamander

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern

CNDDDB Element Ranks: **Global:** G5T4

State: S3

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2003-08-28

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2003-08-28

Occurrence Rank: Unknown

Owner/Manager: USFS-ELDORADO NF

Trend: Unknown

Presence: Presumed Extant

Location:

DEADWOOD LAKE, ABOUT A MILE WEST OF MEADOW LAKE, MOKELUMNE WILDERNESS.

Detailed Location:

Ecological:

Threats:

General:

2 LARVAE FOUND ON 14 AUG 2002. 1 ADULT FOUND ON 28 AUG 2003.

PLSS: T09N, R18E, Sec. 27, SW (M)

Accuracy: specific area

Area (acres): 2

UTM: Zone-11 N4276773 E239539

Latitude/Longitude: 38.60126 / -119.99089

Elevation (feet): 8,550

County Summary:

Quad Summary:

Alpine

Pacific Valley (3811958)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: A1242

EO Index: 102810

Key Quad: Pacific Valley (3811958)

Element Code: AAAAAA01085

Occurrence Number: 534

Occurrence Last Updated: 2016-07-20

Scientific Name: *Ambystoma macrodactylum sigillatum*

Common Name: southern long-toed salamander

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern

CNDDDB Element Ranks: **Global:** G5T4

State: S3

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2013-07-06

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2013-07-06

Occurrence Rank: Unknown

Owner/Manager: USFS-ELDORADO NF

Trend: Unknown

Presence: Presumed Extant

Location:

VICINITY OF DEER CREEK AND LITTLE INDIAN VALLEY, 0.8 TO 1.2 MILES SW OF SUMMIT LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

LARVAE DETECTED IN 1994, 1995, 1996, 2000, AND 2007. LARVAE AND ADULTS FOUND IN 2001. 280 LARVAE FOUND IN 2002, 35 LARVAE IN 2008, 2 SUBADULTS AND 41 LARVAE IN 2009, 2 ADULTS IN 2010, AND 53 LARVAE FOUND IN 2013.

PLSS: T09N, R19E, Sec. 33, NE (M)

Accuracy: non-specific area

Area (acres): 41

UTM: Zone-11 N4275632 E248740

Latitude/Longitude: 38.59364 / -119.88496

Elevation (feet): 7,800

County Summary:

Quad Summary:

Alpine

Pacific Valley (3811958)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25

USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1243	EO Index: 102811
Key Quad: Pacific Valley (3811958)	Element Code: AAAAAA01085
Occurrence Number: 535	Occurrence Last Updated: 2016-07-21

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2013-07-06	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-07-06	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:

POND 1.2 MILES NNE OF CONFLUENCE OF DEER CREEK AND BLUE CREEK, 1 MILE EAST OF CLOVER VALLEY, ELDORADO NATIONAL FOREST.

Detailed Location:**Ecological:****Threats:****General:**

50 LARVAE FOUND ON 27 SEP 2002. 101 LARVAE FOUND ON 6 JUL 2013.

PLSS: T09N, R19E, Sec. 33, NW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4275327 E247389	Latitude/Longitude: 38.59051 / -119.90034	Elevation (feet): 8,200

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1244

EO Index: 102812

Key Quad: Pacific Valley (3811958)

Element Code: AAAAAA01085

Occurrence Number: 536

Occurrence Last Updated: 2016-07-21

Scientific Name: *Ambystoma macrodactylum sigillatum*

Common Name: southern long-toed salamander

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern

CNDDDB Element Ranks: **Global:** G5T4

State: S3

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2001-07-02

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2001-07-02

Occurrence Rank: Unknown

Owner/Manager: USFS-ELDORADO NF

Trend: Unknown

Presence: Presumed Extant

Location:

POND 0.1 MILE EAST OF BLUE CREEK, CLOVER VALLEY, 2 MILES SOUTH OF LOWER BLUE LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:

EAST OF DEER VALLEY ROAD (USFS ROAD 9N83) ABOUT 1.4 MILES SOUTH OF ITS INTERSECTION WITH ROAD 9N01.

Ecological:

Threats:

General:

LARVAE DETECTED ON 2 JUL 2001.

PLSS: T09N, R19E, Sec. 32, W (M)

Accuracy: 80 meters

Area (acres): 5

UTM: Zone-11 N4275244 E245970

Latitude/Longitude: 38.58936 / -119.91659

Elevation (feet): 7,800

County Summary:

Quad Summary:

Alpine

Pacific Valley (3811958)

Sources:

USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1245	EO Index: 102813
Key Quad: Pacific Valley (3811958)	Element Code: AAAAAA01085
Occurrence Number: 537	Occurrence Last Updated: 2016-07-21

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2013-07-22	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-07-22	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
POND ABOUT 1.3 MILES SOUTH OF TWIN LAKE, SE OF MEADOW LAKE, MOKELUMNE WILDERNESS, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

55 LARVAE FOUND ON 15 AUG 2003. 30 LARVAE FOUND ON 22 JUL 2013.

PLSS: T09N, R18E, Sec. 36, SE (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4275039 E243883	Latitude/Longitude: 38.58692 / -119.94044	Elevation (feet): 8,600

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1246	EO Index:	102814
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	538	Occurrence Last Updated:	2016-07-21

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:
AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2002-09-27	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2002-09-27	Occurrence Rank:	Unknown
Owner/Manager:	USFS-ELDORADO NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
POND 1.3 MILES ENE OF CONFLUENCE OF BLUE CREEK AND DEER CREEK, SOUTH OF LITTLE INDIAN VALLEY, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

55 LARVAE FOUND ON 27 SEP 2002.

PLSS:	T08N, R19E, Sec. 4, NE (M)	Accuracy:	80 meters	Area (acres):	5
UTM:	Zone-11 N4274288 E248354	Latitude/Longitude:	38.58144 / -119.8889	Elevation (feet):	7,800

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958)

Sources:
DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1247	EO Index:	102815
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	539	Occurrence Last Updated:	2016-07-21

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:
AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2013-07-22	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2013-07-22	Occurrence Rank:	Unknown
Owner/Manager:	USFS-ELDORADO NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
POND 1.2 MILES N OF CONFLUENCE OF CACHE CREEK & N FORK MOKELUMNE RIVER, MOKELUMNE WILDERNESS, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

41 LARVAE FOUND ON 15 AUG 2003. 35 LARVAE FOUND ON 22 JUL 2013.

PLSS: T08N, R18E, Sec. 2, SE (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4273520 E242040	Latitude/Longitude: 38.57272 / -119.96101	Elevation (feet): 8,200

County Summary:	Quad Summary:
Alpine	Pacific Valley (3811958)

Sources:
DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1248	EO Index: 102816	
Key Quad: Pacific Valley (3811958)	Element Code: AAAAAA01085	
Occurrence Number: 540	Occurrence Last Updated: 2016-07-21	

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2009-07-25	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2009-07-25	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
POND 1.8 MILES NNE OF HERMIT VALLEY CAMPGROUND, 1.5 MI E OF DEER CREEK, MOKELUMNE WILDERNESS, ELDORADO NATIONAL FOREST.

Detailed Location:
0.4 MILE NORTH OF THE BOUNDARY WITH STANISLAUS NATIONAL FOREST.

Ecological:

Threats:

General:

LARVAE DETECTED ON 25 JUL 2009.

PLSS: T08N, R19E, Sec. 9, NE (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4272314 E248214	Latitude/Longitude: 38.56363 / -119.8898	Elevation (feet): 8,350

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:
USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1249	EO Index:	102817
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	541	Occurrence Last Updated:	2016-07-21

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2003-06-18	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2003-06-18	Occurrence Rank:	Unknown
Owner/Manager:	USFS-ELDORADO NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:

POND 1.4 MILES NNE OF HERMIT VALLEY CAMPGROUND, 1.5 MI E OF DEER CREEK, MOKELUMNE WILDERNESS, ELDORADO NATIONAL FOREST.

Detailed Location:

ABOUT 0.1 MILE NORTH OF THE BOUNDARY WITH STANISLAUS NATIONAL FOREST.

Ecological:**Threats:****General:**

1 ADULT FOUND ON 18 JUN 2003.

PLSS: T08N, R19E, Sec. 9, SW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4271740 E247811	Latitude/Longitude: 38.55835 / -119.8942	Elevation (feet): 8,200

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1250

EO Index: 102818

Key Quad: Pacific Valley (3811958)

Element Code: AAAAAA01085

Occurrence Number: 542

Occurrence Last Updated: 2016-07-21

Scientific Name: *Ambystoma macrodactylum sigillatum*

Common Name: southern long-toed salamander

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern

CNDDDB Element Ranks: **Global:** G5T4

State: S3

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2013-07-20

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2013-07-20

Occurrence Rank: Unknown

Owner/Manager: USFS-ELDORADO NF

Trend: Unknown

Presence: Presumed Extant

Location:

1.2 MILES NORTH OF CONFLUENCE OF DEER CREEK AND N FORK MOKELUMNE RIVER, MOKELUMNE WILDERNESS, ELDORADO NATIONAL FOREST.

Detailed Location:

AT TWO PONDS, 0.25 MILE SE AND 0.5 MILE ESE OF STEVENOT CAMP.

Ecological:

Threats:

General:

88 LARVAE FOUND IN EASTERN POND AND 16 IN WESTERN POND ON 14 AUG 2003. 65 LARVAE FOUND IN EASTERN POND AND 10 IN WESTERN POND ON 20 JUL 2013.

PLSS: T08N, R19E, Sec. 7, W (M)

Accuracy: specific area

Area (acres): 10

UTM: Zone-11 N4271986 E244337

Latitude/Longitude: 38.55957 / -119.93412

Elevation (feet): 7,550

County Summary:

Quad Summary:

Alpine

Pacific Valley (3811958)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1251	EO Index: 102820
Key Quad: Pacific Valley (3811958)	Element Code: AAAAAA01085
Occurrence Number: 543	Occurrence Last Updated: 2016-07-21

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2013-07-20	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-07-20	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
2 PONDS 1 MILE NNW OF CONFLUENCE OF DEER CREEK & N FORK MOKELUMNE RIVER, MOKELUMNE WILDERNESS, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

2 LARVAE FOUND IN EASTERN POND AND 50 IN WESTERN POND ON 14 AUG 2003. 11 LARVAE FOUND IN EASTERN POND AND 60 IN WESTERN POND ON 20 JUL 2013.

PLSS: T08N, R18E, Sec. 12, SE (M)	Accuracy: specific area	Area (acres): 10
UTM: Zone-11 N4271482 E243810	Latitude/Longitude: 38.55489 / -119.93997	Elevation (feet): 7,600

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:
DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1253	EO Index: 102821
Key Quad: Pacific Valley (3811958)	Element Code: AAAAAA01085
Occurrence Number: 544	Occurrence Last Updated: 2016-07-21

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2013-07-20	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-07-20	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
POND 1.4 MILES NNW OF HERMIT VALLEY CAMPGROUND, NEAR BOUNDARY OF MOKELUMNE WILDERNESS, ELDORADO NATIONAL FOREST.

Detailed Location:
JUST EAST OF USFS ROAD 9N83 (DEER VALLEY ROAD), ABOUT 0.5 AIR MILE NORTH OF BOUNDARY WITH STANISLAUS NATIONAL FOREST.

Ecological:

Threats:

General:

20 LARVAE FOUND ON 20 JUL 2013.

PLSS: T08N, R19E, Sec. 8, SW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4271424 E246128	Latitude/Longitude: 38.55503 / -119.91339	Elevation (feet): 7,600

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1254	EO Index: 102822
Key Quad: Ebbetts Pass (3811957)	Element Code: AAAAAA01085
Occurrence Number: 545	Occurrence Last Updated: 2016-08-23

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2010-07-14	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2010-07-14	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
KINNEY RESERVOIR, DOROTHY LAKE & PONDS NEAR EBBETTS PEAK, NORTH OF HIGHWAY 4 NEAR EBBETTS PASS, TOIYABE NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

ADULTS AND/OR LARVAE FOUND IN VARIOUS LAKES AND PONDS HERE IN 1997, 2000, 2001, 2002, 2005, 2008, AND 2010.

PLSS: T08N, R20E, Sec. 7 (M)	Accuracy: specific area	Area (acres): 78
UTM: Zone-11 N4270981 E255081	Latitude/Longitude: 38.55355 / -119.8106	Elevation (feet): 8,500

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:

- CRI16D0001 CRIPE, K. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GIS DATA ASSEMBLED FOR UPDATES TO THE CALIFORNIA AMPHIBIAN AND REPTILE SPECIES OF SPECIAL CONCERN LIST 2016-05-06
- DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25
- GRO02I0001 GROSS, J. - PHOTO OF AMBYSTOMA MACRODACTYLUM SIGILLATUM, CALPHOTOS ID #1111 1111 2222 0146 2002-08-13
- GRO02I0002 GROSS, J. - PHOTO OF AMBYSTOMA MACRODACTYLUM SIGILLATUM, CALPHOTOS ID #1111 1111 2222 0145 2002-06-14
- WAK97S0019 WAKE, D. - WAKE #5410 MVZ #235936 COLLECTED FROM POND ADJACENT (E) TO PACIFIC COAST TRAIL, CA. 800 M (AIR) NE EBBETT'S PASS 1997-09-01
- WAK97S0020 WAKE, D. - WAKE #5407, 5408 & 5409 MVZ #235933, 235934 & 235935 COLLECTED FROM POND ADJACENT (E) TO SHERROLD LAKE, CA. 500 M (AIR) NE EBBETT'S PASS 1997-09-01



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1255	EO Index: 102823
Key Quad: Ebbetts Pass (3811957)	Element Code: AAAAA01085
Occurrence Number: 546	Occurrence Last Updated: 2019-04-02

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2017-09-10	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-09-10	Occurrence Rank: Excellent
Owner/Manager: USFS	Trend: Unknown
Presence: Presumed Extant	

Location:
1.5 MILES NW OF EBBETTS PASS, NORTH OF HIGHWAY 4, NEAR SE EDGE OF MOKELUMNE WILDERNESS.

Detailed Location:
LARVAE DETECTED AT UPPER KINNEY LAKE AND IN 4 UNNAMED PONDS TO THE SOUTH OF UPPER KINNEY LAKE (NOTE THAT GNIS HAS LAKE LABELS REVERSED). ADULT DETECTED IN UPLAND HABITAT NW OF UPPER KINNEY LAKE.

Ecological:
PINE FOREST (2017).

Threats:
General:
306 LARVAE FOUND ON 20 JUL 2001. ALSO DETECTED ON 20 JUL 2000, 18 AUG 2000, 17 JUN 2001, 25 JUL 2002, AND 1 OCT 2005. 1 ADULT FOUND IN ROTTING STUMP UPSLOPE FROM LAKE ON 10 SEP 2017.

PLSS: T08N, R19E, Sec. 12, SE (M)	Accuracy: specific area	Area (acres): 29
UTM: Zone-11 N4271491 E253465	Latitude/Longitude: 38.5577 / -119.8293	Elevation (feet): 8,675

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:

CAR17F0014	CARBIENER, M. ET AL. - FIELD SURVEY FORM FOR AMBYSTOMA MACRODACTYLUM SIGILLATUM 2017-09-10
CRI16D0001	CRIFE, K. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GIS DATA ASSEMBLED FOR UPDATES TO THE CALIFORNIA AMPHIBIAN AND REPTILE SPECIES OF SPECIAL CONCERN LIST 2016-05-06
DFW16D0001	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1257	EO Index: 102825
Key Quad: Ebbetts Pass (3811957)	Element Code: AAAAAA01085
Occurrence Number: 547	Occurrence Last Updated: 2016-07-21

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2001-07-21	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-07-21	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
POND 0.9 MILE NE OF HIGHWAY 4 AT EBBETTS PASS, 0.5 MILE EAST OF KINNEY RESERVOIR, TOIYABE NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

1 LARVA FOUND ON 21 JUL 2001.

PLSS: T08N, R20E, Sec. 8, S (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4270924 E255950	Latitude/Longitude: 38.55328 / -119.80062	Elevation (feet): 8,700

County Summary:

Alpine

Quad Summary:

Ebbetts Pass (3811957)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1258	EO Index: 102826	
Key Quad: Ebbetts Pass (3811957)	Element Code: AAAAA01085	
Occurrence Number: 548	Occurrence Last Updated: 2016-10-11	

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2005-08-21	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-08-21	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
PONDS 0.2 MILE SW OF HIGHWAY 4 AT EBBETTS PASS, STANISLAUS NATIONAL FOREST.

Detailed Location:

Ecological:
1991 OBSERVATION NOTES HUNDREDS OF ADULT SALAMANDERS MATING IN PONDS.

Threats:
General:
INDIVIDUALS COLLECTED IN 1958, 1965, AND 1991. 1000 LARVAE FOUND ON 21 JUL 2001. ALSO DETECTED ON 7 JUL 2001, 20 SEP 2001, AND 21 AUG 2005.

PLSS: T08N, R20E, Sec. 18, SE (M)	Accuracy: specific area	Area (acres): 9
UTM: Zone-11 N4269771 E254765	Latitude/Longitude: 38.54257 / -119.8138	Elevation (feet): 8,700

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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- Sources:**
- AND58S0009 ANDERSON, J. - ANDERSON #1960 & 1961 MVZ #69813 & 69814 COLLECTED FROM EBBETTS PASS 1958-07-03
 - BRA91S0058 BRADFORD, D. - CCBER #26808-26834 COLLECTED FROM HWY 4, 0.2 KM W EBBETT'S PASS 1991-06-03
 - BRA92U0007 BRADFORD, D. - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-001133] 1992-05-13
 - BUR65S0004 BURY, R.B. - CM #45120, 45121 & 45122 COLLECTED FROM 0.25 MI W OF EBBETTS PASS 1965-10-16
 - CRI16D0001 CRIPE, K. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GIS DATA ASSEMBLED FOR UPDATES TO THE CALIFORNIA AMPHIBIAN AND REPTILE SPECIES OF SPECIAL CONCERN LIST 2016-05-06
 - DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25
 - JEN91S0005 JENNINGS, W. - CCBER #26340 & 26341 COLLECTED FROM PONDS S SIDE HWY 4 AT EBBETTS PASS 1991-06-03
 - JOH91U0001 JOHNSON, D. - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-000121] 1991-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: A1259

EO Index: 102827

Key Quad: Pacific Valley (3811958)

Element Code: AAAAAA01085

Occurrence Number: 549

Occurrence Last Updated: 2016-07-21

Scientific Name: *Ambystoma macrodactylum sigillatum*

Common Name: southern long-toed salamander

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern

CNDDDB Element Ranks: **Global:** G5T4

State: S3

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2013-07-20

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2013-07-20

Occurrence Rank: Unknown

Owner/Manager: USFS-STANISLAUS NF

Trend: Unknown

Presence: Presumed Extant

Location:

POND 0.3 MI SE OF CONFLUENCE OF CACHE CREEK & N FORK MOKELUMNE RIVER, MOKELUMNE WILDERNESS, STANISLAUS NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

3 LARVAE FOUND ON 5 AUG 2001. 26 LARVAE FOUND ON 20 JUL 2013.

PLSS: T08N, R18E, Sec. 14, NE (M)

Accuracy: 80 meters

Area (acres): 5

UTM: Zone-11 N4271199 E242339

Latitude/Longitude: 38.55191 / -119.95673

Elevation (feet): 6,600

County Summary:

Quad Summary:

Alpine

Pacific Valley (3811958)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1260	EO Index: 102828
Key Quad: Pacific Valley (3811958)	Element Code: AAAAAA01085
Occurrence Number: 550	Occurrence Last Updated: 2016-07-21

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2013-07-20	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-07-20	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
POND 0.4 MILE N OF CONFLUENCE OF DEER CREEK AND N FORK MOKELUMNE RIVER, MOKELUMNE WILDERNESS, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

26 LARVAE FOUND ON 20 JUL 2013.

PLSS: T08N, R19E, Sec. 18, NW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4270700 E244487	Latitude/Longitude: 38.54804 / -119.93193	Elevation (feet): 7,100

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:
DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1267	EO Index: 102834
Key Quad: Pacific Valley (3811958)	Element Code: AAAAAA01085
Occurrence Number: 555	Occurrence Last Updated: 2016-07-25

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2013-07-08	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-07-08	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
POND 0.25 MILE SE (AND UPSTREAM) OF FROG LAKE, N OF UNDERWOOD VALLEY, MOKELUMNE WILDERNESS, STANISLAUS NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

85 LARVAE FOUND ON 8 JUL 2013.

PLSS: T08N, R18E, Sec. 16, SE (M)	Accuracy: specific area	Area (acres): 7
UTM: Zone-10 N4270529 E761384	Latitude/Longitude: 38.54479 / -120.00085	Elevation (feet): 8,100

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958), Mokelumne Peak (3812051)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1268

EO Index: 102835

Key Quad: Pacific Valley (3811958)

Element Code: AAAAAA01085

Occurrence Number: 556

Occurrence Last Updated: 2016-07-25

Scientific Name: *Ambystoma macrodactylum sigillatum*

Common Name: southern long-toed salamander

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern

CNDDDB Element Ranks: **Global:** G5T4

State: S3

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2013-07-08

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2013-07-08

Occurrence Rank: Unknown

Owner/Manager: USFS-STANISLAUS NF

Trend: Unknown

Presence: Presumed Extant

Location:

PONDS 0.6 TO 1.3 MILES EAST OF FROG LAKE, WEST OF JACKSON CANYON, MOKELUMNE WILDERNESS, STANISLAUS NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

400 LARVAE FOUND ON 4 AUG 2001. 845 LARVAE FOUND ON 8 JUL 2013.

PLSS: T08N, R18E, Sec. 15, S (M)

Accuracy: specific area

Area (acres): 20

UTM: Zone-11 N4270353 E239418

Latitude/Longitude: 38.54345 / -119.98989

Elevation (feet): 8,000

County Summary:

Quad Summary:

Alpine

Pacific Valley (3811958)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1269	EO Index: 102836	
Key Quad: Pacific Valley (3811958)	Element Code: AAAAAA01085	
Occurrence Number: 557	Occurrence Last Updated: 2016-07-25	

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2013-07-19	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-07-19	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
PONDS 1.3 TO 2.2 MILES NE OF WHEELER LAKE, EAST OF JACKSON CANYON, MOKELUMNE WILDERNESS, STANISLAUS NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

510 LARVAE FOUND ON 4 AUG 2001. 2360 LARVAE FOUND ON 19 JUL 2013.

PLSS: T08N, R18E, Sec. 23 (M)	Accuracy: specific area	Area (acres): 39
UTM: Zone-11 N4269149 E242158	Latitude/Longitude: 38.53341 / -119.95805	Elevation (feet): 7,500

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958)

Sources:
DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1270	EO Index: 102837
Key Quad: Ebbetts Pass (3811957)	Element Code: AAAAAA01085
Occurrence Number: 558	Occurrence Last Updated: 2016-07-25

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2003-09-05	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-09-05	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:

POND 0.9 MILE NW OF BLACK DOME, SOUTH OF HIGHWAY 4, EAST OF HERMIT VALLEY, STANISLAUS NATIONAL FOREST.

Detailed Location:**Ecological:****Threats:****General:**

750 LARVAE FOUND ON 5 SEP 2003.

PLSS: T08N, R19E, Sec. 23, NW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4269242 E250696	Latitude/Longitude: 38.53667 / -119.86025	Elevation (feet): 8,600

County Summary:

Alpine

Quad Summary:

Ebbetts Pass (3811957)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1272	EO Index: 102839
Key Quad: Pacific Valley (3811958)	Element Code: AAAAA01085
Occurrence Number: 560	Occurrence Last Updated: 2016-07-25

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.	Micro Habitat: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.
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Last Date Observed: 2013-07-19	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-07-19	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
POND 1.5 MILES ENE OF WHEELER LAKE, MOKELUMNE WILDERNESS, ABOUT 2 MILES NORTH OF HIGHWAY 4, STANISLAUS NATIONAL FOREST.

Detailed Location:
JUST NORTH OF USFS TRAIL 19E53, 0.4 MILE WEST OF ITS CROSSING OF SANDY MEADOW CREEK.

Ecological:

Threats:

General:

100 LARVAE FOUND ON 5 AUG 2001. 65 LARVAE FOUND ON 19 JUL 2013.

PLSS: T08N, R18E, Sec. 24, SW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4268541 E242350	Latitude/Longitude: 38.52799 / -119.95562	Elevation (feet): 7,600

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:
DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1273	EO Index:	102840
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	561	Occurrence Last Updated:	2016-07-25

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:
AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2013-07-09	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2013-07-09	Occurrence Rank:	Unknown
Owner/Manager:	USFS-STANISLAUS NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
PONDS 0.8 MILE NE OF WHEELER LAKE, MOKELUMNE WILDERNESS, ABOUT 2 MILES NORTH OF HIGHWAY 4, STANISLAUS NATIONAL FOREST.

Detailed Location:
ALONG USFS TRAIL 19E53, JUST EAST OF THE CREEK FLOWING OUT OF WHEELER LAKE.

Ecological:

Threats:

General:

47 LARVAE FOUND ON 5 AUG 2001, 9 LARVAE ON 24 JUL 2002, AND 237 LARVAE FOUND ON 9 JUL 2013.

PLSS: T08N, R18E, Sec. 23, SW (M)	Accuracy: specific area	Area (acres): 7
UTM: Zone-11 N4268368 E241123	Latitude/Longitude: 38.52608 / -119.96962	Elevation (feet): 7,700

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:
DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1274	EO Index: 102841
Key Quad: Pacific Valley (3811958)	Element Code: AAAAAA01085
Occurrence Number: 562	Occurrence Last Updated: 2016-07-25

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2013-07-09	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-07-09	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
PONDS 0.4 MILE NE OF WHEELER LAKE, MOKELUMNE WILDERNESS, ABOUT 2 MILES NORTH OF HIGHWAY 4, STANISLAUS NATIONAL FOREST.

Detailed Location:**Ecological:****Threats:****General:**

1 LARVA FOUND IN NORTHERN POND ON BOTH 11 SEP 2008 AND 19 JUN 2012. 41 LARVAE FOUND AT SOUTHERN POND ON 9 JUL 2013.

PLSS: T08N, R18E, Sec. 26, NW (M)	Accuracy: specific area	Area (acres): 10
UTM: Zone-11 N4267855 E240741	Latitude/Longitude: 38.52135 / -119.9738	Elevation (feet): 7,800

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1275	EO Index:	102842
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	563	Occurrence Last Updated:	2016-07-25

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:
AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2013-07-08	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2013-07-08	Occurrence Rank:	Unknown
Owner/Manager:	USFS-STANISLAUS NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
0.2 TO 0.4 MILE NORTH OF WHEELER LAKE, EAST OF UNDERWOOD VALLEY, MOKELUMNE WILDERNESS, STANISLAUS NATIONAL FOREST.

Detailed Location:
ALONG USFS TRAIL 18E02.

Ecological:

Threats:

General:

10 LARVAE FOUND ON 4 AUG 2001. 6 LARVAE FOUND ON 8 JUL 2013.

PLSS: T08N, R18E, Sec. 27, N (M)	Accuracy: specific area	Area (acres): 10
UTM: Zone-11 N4267885 E239793	Latitude/Longitude: 38.52134 / -119.98467	Elevation (feet): 7,800

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:
DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1277	EO Index:	102844
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	565	Occurrence Last Updated:	2016-07-27

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:
AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2005-10-16	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2005-10-16	Occurrence Rank:	Unknown
Owner/Manager:	USFS-STANISLAUS NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
MOSQUITO LAKE AND NEARBY PONDS, ALONG HIGHWAY 4 NEAR PACIFIC GRADE SUMMIT, STANISLAUS NATIONAL FOREST.

Detailed Location:

Ecological:
SURROUNDING AREA CONSIST OF BARE GRANITE OUTCROPS AND FOREST OF PREDOMINANTLY LODGEPOLE PINE, WHITE PINE, AND MOUNTAIN HEMLOCK.

Threats:

General:
INDIVIDUALS OBSERVED AND/OR COLLECTED IN 1957, 1958, 1959, 1967, 1968, 2000, 2001, 2002, AND 2005.

PLSS: T08N, R19E, Sec. 29, W (M)	Accuracy: specific area	Area (acres): 50
UTM: Zone-11 N4267088 E246182	Latitude/Longitude: 38.51602 / -119.91119	Elevation (feet): 8,000

County Summary:	Quad Summary:
Alpine	Pacific Valley (3811958)



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Sources:

AND57S0004	ANDERSON, J. - MVZ #66475-66479 & 69779-69794 COLLECTED ALONG EBBETT PASS RD, 2 MI W LOOKOUT PEAK 1957-09-04
AND57S0005	ANDERSON, J. - ANDERSON #1606-1611 MVZ #69773-69778 COLLECTED ALONG EBBETT PASS RD, 2 MI W LOOKOUT PEAK 1957-08-03
AND58S0010	ANDERSON, J. - ANDERSON #2007 MVZ #69752 COLLECTED FROM MOSQUITO LAKES, 2 MI W LOOKOUT PEAK 1958-08-06
AND58S0011	ANDERSON, J. - ANDERSON #1957 MVZ #69847 COLLECTED FROM MOSQUITO LAKES, 2 MI W LOOKOUT PEAK 1958-07-03
AND58S0012	ANDERSON, J. - ANDERSON #2044 & 2046 MVZ #69756 & 69757 COLLECTED FROM MOSQUITO LAKES, 2 MI W LOOKOUT PEAK 1958-09-23
AND58S0013	ANDERSON, J. - ANDERSON #2014, 2015 & 2016 MVZ #69753, 69754 & 69755 COLLECTED FROM MOSQUITO LAKES, 2 MI W LOOKOUT PEAK 1958-08-20
AND58S0014	ANDERSON, J. - MVZ #69759-69761 & 69815-69835 COLLECTED FROM MOSQUITO LAKES, 2 MI W LOOKOUT PEAK 1958-06-25
AND58S0015	ANDERSON, J. - MVZ #69762 - 69772 AND 69836 - 69846 COLLECTED FROM MOSQUITO LAKES, 2 MI W LOOKOUT PEAK. (22 SPECIMENS) 1958-07-02
AND59S0006	ANDERSON, J. - ANDERSON #2358 MVZ #69758 COLLECTED FROM MOSQUITO LAKES, 2 MI W LOOKOUT PEAK 1959-06-27
AND67A0001	ANDERSON, J. - A COMPARISON OF THE LIFE HISTORIES OF COASTAL AND MONTANE POPULATIONS OF AMBYSTOMA MACRODACTYLUM IN CALIFORNIA. THE AMERICAN MIDLAND NATURALIST. 77(2) PP. 323-355. 1967-04-XX
AND68A0001	ANDERSON, J. - THERMAL HISTORIES OF TWO POPULATIONS OF AMBYSTOMA MACRODACTYLUM. HERPETOLOGICA 24(1) PP. 29-35 1968-03-XX
ANDNDS0007	ANDERSON, J. - MVZ #69751 COLLECTED FROM MOSQUITO LAKES, 2 MI W LOOKOUT PEAK 195X-07-XX
CRI16D0001	CRIFE, K. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GIS DATA ASSEMBLED FOR UPDATES TO THE CALIFORNIA AMPHIBIAN AND REPTILE SPECIES OF SPECIAL CONCERN LIST 2016-05-06
DFW16D0001	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25
JOH68S0005	JOHNSON, A. - JOHNSON #358 & 359 MVZ #84964 & 84965 COLLECTED FROM MOSQUITO LAKES 1968-08-15



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A1278	EO Index: 102845
Key Quad: Ebbetts Pass (3811957)	Element Code: AAAAAA01085
Occurrence Number: 566	Occurrence Last Updated: 2016-07-26

Scientific Name: <i>Ambystoma macrodactylum sigillatum</i>	Common Name: southern long-toed salamander
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDB Element Ranks:	
Global: G5T4	
State: S3	

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed: 2003-09-03	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-09-03	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:

POND BETWEEN TRYON MEADOW AND BEAR TREE MEADOW, NE OF HIGHLAND LAKES, STANISLAUS NATIONAL FOREST.

Detailed Location:**Ecological:****Threats:****General:**

7 LARVAE FOUND ON 3 SEP 2003.

PLSS: T08N, R20E, Sec. 32, E (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4265234 E256281	Latitude/Longitude: 38.50215 / -119.79484	Elevation (feet): 8,700

County Summary:

Alpine

Quad Summary:

Ebbetts Pass (3811957)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1279	EO Index:	102847
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	567	Occurrence Last Updated:	2016-07-26

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:
HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:
AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2001-08-03	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2001-08-03	Occurrence Rank:	Unknown
Owner/Manager:	USFS-STANISLAUS NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
POND 0.7 MILE SOUTH OF MOSQUITO LAKE AND HIGHWAY 4 AT PACIFIC GRADE SUMMIT, STANISLAUS NATIONAL FOREST.

Detailed Location:
EAST OF USFS TRAIL 19E94, 0.2 MILE NORTH OF THE BOUNDARY OF CARSON-ICEBERG WILDERNESS.

Ecological:

Threats:

General:
2 LARVAE FOUND ON 3 AUG 2001.

PLSS:	T08N, R19E, Sec. 32, NE (M)	Accuracy:	80 meters	Area (acres):	5
UTM:	Zone-11 N4266019 E246327	Latitude/Longitude:	38.50643 / -119.90914	Elevation (feet):	8,200

County Summary:	Quad Summary:
Alpine	Pacific Valley (3811958)

Sources:
DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A1280	EO Index:	102848
Key Quad:	Pacific Valley (3811958)	Element Code:	AAAAA01085
Occurrence Number:	568	Occurrence Last Updated:	2016-07-26

Scientific Name:	<i>Ambystoma macrodactylum sigillatum</i>	Common Name:	southern long-toed salamander
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T4 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:

HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.

Micro Habitat:

AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.

Last Date Observed:	2001-08-03	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2001-08-03	Occurrence Rank:	Unknown
Owner/Manager:	USFS-STANISLAUS NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:

POND 0.8 MILE NW OF HEISER LAKE, CARSON-ICEBERG WILDERNESS, STANISLAUS NATIONAL FOREST.

Detailed Location:

JUST SOUTH OF THE WILDERNESS AREA BOUNDARY, 0.3. MILE WEST OF USFS TRAIL 19E94.

Ecological:**Threats:****General:**

100 LARVAE FOUND ON 3 AUG 2001.

PLSS: T08N, R19E, Sec. 32, NW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4265761 E245802	Latitude/Longitude: 38.50396 / -119.91506	Elevation (feet): 8,400

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958)

Sources:

DFW16D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2015 FIELDWORK 2016-04-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 44800	EO Index: 44800
Key Quad: Ebbetts Pass (3811957)	Element Code: AAABB01040
Occurrence Number: 38	Occurrence Last Updated: 2001-01-24

Scientific Name: <i>Anaxyrus canorus</i>	Common Name: Yosemite toad
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDB Element Ranks:	IUCN_EN-Endangered
Global: G2G3	USFS_S-Sensitive
State: S2S3	

General Habitat: VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6,400 TO 11,300 FEET IN ELEVATION.	Micro Habitat: PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.
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Last Date Observed: 1955-07-20	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1955-07-20	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
TRYON MEADOW, 1 MILE NORTH OF HIGHLAND LAKE AND ABOUT 2.75 MILES SOUTH OF EBBETTS PASS.

Detailed Location:
MUSEUM RECORD GIVES LOCATION AS "TYION MEADOW, 1 MILE NORTH OF HIGHLAND LAKE"E.

Ecological:
Threats:

General:
MVZ SPECIMEN #64901 COLLECTED 20 JUL 1955 BY E.L.KARLSTROM.

PLSS: T08N, R20E, Sec. 32 (M)	Accuracy: 1/5 mile	Area (acres): 0
UTM: Zone-11 N4265546 E255659	Latitude/Longitude: 38.50479 / -119.80207	Elevation (feet): 8,200

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:
MVZ01S0003 MVZ SPECIMEN DATABASE QUERY (UNIVERSITY OF CALIFORNIA, BERKELEY) - PRINTOUT OF BUFO CANORUS (YOSEMITE TOAD) IN ALPINE COUNTY, FROM THE UNIVERSITY OF CALIFORNIA, BERKELEY DIGITAL LIBRARY PROJECT. 2001-01-24



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 44801	EO Index: 44801
Key Quad: Ebbetts Pass (3811957)	Element Code: AAABB01040
Occurrence Number: 39	Occurrence Last Updated: 2001-01-24

Scientific Name: <i>Anaxyrus canorus</i>	Common Name: Yosemite toad
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G2G3	USFS_S-Sensitive
State: S2S3	

General Habitat: VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6,400 TO 11,300 FEET IN ELEVATION.	Micro Habitat: PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.
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Last Date Observed: 1955-06-26	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1955-06-26	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
NORTH FORK MOKELUMNE RIVER, ALONG HIGHLAND LAKE ROAD, ABOUT 2.4 MILES SOUTH OF HWY 4.

Detailed Location:

Ecological:

Threats:

General:

MVZ SPECIMEN #61796 COLLECTED BY KARLSTROM & LIVEZEY 11 AUG 1952. #62670-62671 & 64903 COLLECTED BY KARLSTROM 26 JUN 1955.

PLSS: T08N, R20E, Sec. 19 (M)	Accuracy: non-specific area	Area (acres): 99
UTM: Zone-11 N4268598 E254410	Latitude/Longitude: 38.53192 / -119.81745	Elevation (feet): 7,800

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:
MVZ01S0003 MVZ SPECIMEN DATABASE QUERY (UNIVERSITY OF CALIFORNIA, BERKELEY) - PRINTOUT OF BUFO CANORUS (YOSEMITE TOAD) IN ALPINE COUNTY, FROM THE UNIVERSITY OF CALIFORNIA, BERKELEY DIGITAL LIBRARY PROJECT. 2001-01-24



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 44742	EO Index: 44802
Key Quad: Carson Pass (3811968)	Element Code: AAABB01040
Occurrence Number: 40	Occurrence Last Updated: 2001-01-24

Scientific Name: <i>Anaxyrus canorus</i>	Common Name: Yosemite toad
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDB Element Ranks:	IUCN_EN-Endangered
Global: G2G3	USFS_S-Sensitive
State: S2S3	

General Habitat: VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6,400 TO 11,300 FEET IN ELEVATION.	Micro Habitat: PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.
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Last Date Observed: 1955-07-19	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1955-07-19	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
FAITH VALLEY, ABOUT 2 MILES SOUTHEAST OF HWY 88.

Detailed Location:
THE WEST FORK CARSON RIVER AND SEVERAL UNNAMED TRIBUTARIES RUN THROUGH FAITH VALLEY.

Ecological:
Threats:

General:
MVZ SPECIMEN #64904 COLLECTED 19 JUL 1955 BY E.L.KARLSTROM.

PLSS: T10N, R19E, Sec. 30 (M)	Accuracy: non-specific area	Area (acres): 138
UTM: Zone-11 N4285673 E245116	Latitude/Longitude: 38.68298 / -119.93019	Elevation (feet): 7,500

County Summary: Alpine	Quad Summary: Carson Pass (3811968)
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Sources:
MVZ01S0003 MVZ SPECIMEN DATABASE QUERY (UNIVERSITY OF CALIFORNIA, BERKELEY) - PRINTOUT OF BUFO CANORUS (YOSEMITE TOAD) IN ALPINE COUNTY, FROM THE UNIVERSITY OF CALIFORNIA, BERKELEY DIGITAL LIBRARY PROJECT. 2001-01-24



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 44805	EO Index: 44805
Key Quad: Carson Pass (3811968)	Element Code: AAABB01040
Occurrence Number: 41	Occurrence Last Updated: 2001-01-25

Scientific Name: <i>Anaxyrus canorus</i>	Common Name: Yosemite toad
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDB Element Ranks:	IUCN_EN-Endangered
Global: G2G3	USFS_S-Sensitive
State: S2S3	

General Habitat: VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6,400 TO 11,300 FEET IN ELEVATION.	Micro Habitat: PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.
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Last Date Observed: 1955-06-27	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1955-06-27	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
CHARITY VALLEY, ABOUT 3 MILES NORTHEAST OF UPPER BLUE LAKE.

Detailed Location:
CHARITY VALLEY CREEK AND SEVERAL UNNAMED TRIBUTARIES RUN THROUGH CHARITY VALLEY.

Ecological:
Threats:

General:
MVZ SPECIMEN #64897 COLLECTED 27 JUNE 1955 BY ERNEST L. KARLSTROM.

PLSS: T10N, R19E, Sec. 32 (M)	Accuracy: non-specific area	Area (acres): 176
UTM: Zone-11 N4284298 E246892	Latitude/Longitude: 38.67112 / -119.90930	Elevation (feet): 7,700

County Summary: Alpine	Quad Summary: Carson Pass (3811968)
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Sources:
MVZ01S0003 MVZ SPECIMEN DATABASE QUERY (UNIVERSITY OF CALIFORNIA, BERKELEY) - PRINTOUT OF BUFO CANORUS (YOSEMITE TOAD) IN ALPINE COUNTY, FROM THE UNIVERSITY OF CALIFORNIA, BERKELEY DIGITAL LIBRARY PROJECT. 2001-01-24



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: 44807	EO Index: 44807
Key Quad: Carson Pass (3811968)	Element Code: AAABB01040
Occurrence Number: 42	Occurrence Last Updated: 2010-05-28

Scientific Name: <i>Anaxyrus canorus</i>	Common Name: Yosemite toad
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G2G3	USFS_S-Sensitive
State: S2S3	

General Habitat:	Micro Habitat:
VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6,400 TO 11,300 FEET IN ELEVATION.	PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.

Last Date Observed: 2009-07-14	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2009-07-14	Occurrence Rank: Good
Owner/Manager: PVT-PGE	Trend: Unknown
Presence: Presumed Extant	

Location:
WEST & NORTHWEST SHORES OF UPPER BLUE LAKE, ABOUT 2 MI ENE OF DEADWOOD PEAK.

Detailed Location:
MVZ LOCATIONS DESCRIBED AS "NW END UPPER BLUE LAKE" (NORTH FEATURE). MYE LOCATION DESCRIBED AS "SNOWMELT POOL NEAR THE SHORE OF UPPER BLUE LAKE," WITH LOCATION MARKED ON A MAP. 2009: FROGS LOCATED THROUGHOUT NW PORTION OF LAKE.

Ecological:
MYE: POOL HAS A SILT/MUD SUBSTRATE WITH GRASS ALONG THE MARGIN & AS EMERGENT VEGETATION IN 50% OF THE POOL. AVG 3 CM DEEP. A SMALL STREAM FLOWS OUT OF THE POOL & INTO THE LAKE. SURROUNDING LAND USED FOR FISHING & CAMPING.

Threats:
SALMONIDS IN LAKE, RELATIVELY HIGH HUMAN USE OF LAKE, RESERVOIR OPERATIONS (ESP EARLY DRAWDOWN).

General:
MVZ #64877-8 ON 30 JUN 1956. 5 PAIRS IN AMPLEXUS (LIKELY YOSEMITE/WESTERN TOAD HYBRIDS) & 9 EGG STRANDS 13 JUN 2002. 8000 LARVAE IN STREAM/LAKE-SHALLOWS, 1 JUV OBS ON NW SHORE 26 JUN 2002. 100S EGGS, 41 JUV, 1 SUBADULT, 13 ADULTS JUL 2009.

PLSS: T09N, R18E, Sec. 12, SW (M)	Accuracy: non-specific area	Area (acres): 40
UTM: Zone-11 N4280518 E242656	Latitude/Longitude: 38.63588 / -119.95653	Elevation (feet): 8,140

County Summary:	Quad Summary:
Alpine	Carson Pass (3811968)

Sources:

MVZ01S0003	MVZ SPECIMEN DATABASE QUERY (UNIVERSITY OF CALIFORNIA, BERKELEY) - PRINTOUT OF BUFO CANORUS (YOSEMITE TOAD) IN ALPINE COUNTY, FROM THE UNIVERSITY OF CALIFORNIA, BERKELEY DIGITAL LIBRARY PROJECT. 2001-01-24
MYE02F0001	MYERS, S.A. & J.L. ALVAREZ (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR ANAXYRUS CANORUS 2002-06-13
POO09F0010	POOL, A. (ECORP CONSULTING, INC.) - FIELD SURVEY FORM FOR ANAXYRUS CANORUS 2009-06-17



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 44863	EO Index: 44863
Key Quad: Pacific Valley (3811958)	Element Code: AAABB01040
Occurrence Number: 60	Occurrence Last Updated: 2001-02-01

Scientific Name: <i>Anaxyrus canorus</i>	Common Name: Yosemite toad
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G2G3	USFS_S-Sensitive
State: S2S3	

General Habitat: VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6,400 TO 11,300 FEET IN ELEVATION.	Micro Habitat: PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.
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Last Date Observed: 1955-07-20	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1955-07-20	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF, STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
UNNAMED LAKES & UNNAMED TRIBUTARY TO DEER CREEK, ALONG TRAIL TO DEER VALLEY, NORTH OF HWY 4.

Detailed Location:
MUSEUM RECORD GIVES LOCATION AS "6 MI W EBBETTS PASS ON TRAIL TO DEER VALLEY AT 7700 FT".

Ecological:
Threats:

General:
MVZ #64900 COLLECTED 20 JUL 1955 BY ERNEST L. KARLSTROM.

PLSS: T08N, R19E, Sec. 17 (M)	Accuracy: 2/5 mile	Area (acres): 0
UTM: Zone-11 N4271066 E246200	Latitude/Longitude: 38.55183 / -119.91242	Elevation (feet): 7,700

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:
MVZ01S0003 MVZ SPECIMEN DATABASE QUERY (UNIVERSITY OF CALIFORNIA, BERKELEY) - PRINTOUT OF BUFO CANORUS (YOSEMITE TOAD) IN ALPINE COUNTY, FROM THE UNIVERSITY OF CALIFORNIA, BERKELEY DIGITAL LIBRARY PROJECT. 2001-01-24



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: 50207	EO Index: 50208
Key Quad: Ebbetts Pass (3811957)	Element Code: AAABB01040
Occurrence Number: 80	Occurrence Last Updated: 2003-02-14

Scientific Name: <i>Anaxyrus canorus</i>	Common Name: Yosemite toad
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDB Element Ranks:	IUCN_EN-Endangered
Global: G2G3	USFS_S-Sensitive
State: S2S3	

General Habitat:	Micro Habitat:
VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6,400 TO 11,300 FEET IN ELEVATION.	PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.

Last Date Observed: 2001-07-21	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-07-21	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
UNNAMED LAKE BETWEEN SHERROLD LAKE & UPPER KINNEY LAKE, 0.8 MI NW OF EBBETTS PASS. TOIYABE NF.

Detailed Location:
SITE ID 15019 FROM THE DFG HIGH ELEVATION FISH AND AMPHIBIAN TRACKING SYSTEM (FATS) DATABASE.

Ecological:
SMALL HIGH ELEVATION LAKE WITH LITTORAL SUBSTRATE OF SILT & SHORELINE SUBSTRATE OF GRASS/SEDGE/FORB. FISH (NOT IDENTIFIED) OBSERVED AT THE LAKE INLET. LAKE IS NOT STOCKED & NO FISH SEEN IN LAKE.

Threats:
General:
4 ADULT TOADS HAND COLLECTED. 20 LONG-TOED SALAMANDER LARVA OBSERVED & 5 ADULT & 1000 TREEFROG LARVA OBS.

PLSS: T08N, R20E, Sec. 07, SW (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4271029 E254080	Latitude/Longitude: 38.55371 / -119.82208	Elevation (feet): 8,800

County Summary:	Quad Summary:
Alpine	Ebbetts Pass (3811957)

Sources:

DFG01F0029	CALIFORNIA DEPARTMENT OF FISH & GAME - FIELD SURVEY REPORT FOR SITE ID 15019 FROM "FATS" DATABASE FOR 2001 HIGH ELEVATION FISH AND FROG SURVEY 2001-07-21
DFG01U0001	MILLIRON, C. ET AL. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FISH AND AMPHIBIAN TRACKING SYSTEM (FATS) ACCESS DATABASE, RESULTS OF 2001 HIGH ELEVATION LAKE SURVEYS 2001-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 50209	EO Index: 50209	
Key Quad: Pacific Valley (3811958)	Element Code: AAABB01040	
Occurrence Number: 81	Occurrence Last Updated: 2003-02-14	

Scientific Name: <i>Anaxyrus canorus</i>	Common Name: Yosemite toad
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G2G3	USFS_S-Sensitive
State: S2S3	

General Habitat: VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6,400 TO 11,300 FEET IN ELEVATION.	Micro Habitat: PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.
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Last Date Observed: 2001-08-05	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-08-05	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
SMALL UNNAMED LAKE ABOUT 0.75 MI NE OF WHEELER LAKE. EAST SIDE OF JACKSON CREEK. STANISLAUS NATIONAL FOREST.

Detailed Location:
SITE ID 15128 FROM THE DFG HIGH ELEVATION FISH AND AMPHIBIAN TRACKING SYSTEM (FATS) DATABASE. THE EASTERN-MOST OF A CLUSTER OF 3 SMALL LAKES.

Ecological:
SMALL, SHALLOW (0.75 M) HIGH ELEVATION LAKE WITH LITTORAL SUBSTRATE OF SILT & SHORELINE SUBSTRATE OF GRASS/SEDGE/FORB, SILT & BOULDER.

Threats:
General:
1 ADULT TOAD HAND COLLECTED IN A 6 MINUTE SURVEY. 2 ADULT TREEFROGS, 38 LONG-TOED SALAMANDER LARVA & FAIRY SHRIMP ALSO OBSERVED/COLLECTED.

PLSS: T08N, R18E, Sec. 23, SW (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4268359 E241198	Latitude/Longitude: 38.52602 / -119.96875	Elevation (feet): 7,700

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:

DFG01F0030	CALIFORNIA DEPARTMENT OF FISH & GAME - FIELD SURVEY REPORT FOR SITE ID 15128 FROM "FATS" DATABASE FOR 2001 HIGH ELEVATION FISH AND FROG SURVEY 2001-08-05
DFG01U0001	MILLIRON, C. ET AL. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FISH AND AMPHIBIAN TRACKING SYSTEM (FATS) ACCESS DATABASE, RESULTS OF 2001 HIGH ELEVATION LAKE SURVEYS 2001-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 43029	EO Index: 50210
Key Quad: Pacific Valley (3811958)	Element Code: AAABB01040
Occurrence Number: 82	Occurrence Last Updated: 2003-02-14

Scientific Name: <i>Anaxyrus canorus</i>	Common Name: Yosemite toad
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G2G3	USFS_S-Sensitive
State: S2S3	

General Habitat: VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6,400 TO 11,300 FEET IN ELEVATION.	Micro Habitat: PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.
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Last Date Observed: 2001-08-03	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-08-03	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
WHEELER LAKE, STANISLAUS NATIONAL FOREST.

Detailed Location:
SITE ID 15145 FROM THE DFG HIGH ELEVATION FISH AND AMPHIBIAN TRACKING SYSTEM (FATS) DATABASE.

Ecological:
HIGH ELEVATION LAKE, MAX DEPTH IS 2.3 M. LITTORAL SUBSTRATE IS SILT & BOULDER & SHORELINE SUBSTRATE IS GRASS/SEDGE/FORB, BOULDER & WOODY DEBRIS.

Threats:
General:
3 ADULT AND 6 LARVAE HAND COLLECTED IN A 64 MINUTE SURVEY. 3 ADULT & 20 TREEFROG LARVAE & 1 GARTER SNAKE ALSO OBS. 15 BROOK TROUT CAUGHT IN OVERNIGHT NET SET. MTN YELLOW-LEGGED FROGS ALSO FOUND HERE.

PLSS: T08N, R18E, Sec. 27, NE (M)	Accuracy: non-specific area	Area (acres): 28
UTM: Zone-11 N4267445 E240160	Latitude/Longitude: 38.51749 / -119.98030	Elevation (feet): 7,880

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:

DFG01F0031	CALIFORNIA DEPARTMENT OF FISH & GAME - FIELD SURVEY REPORT FOR SITE ID 15145 FROM "FATS" DATABASE FOR 2001 HIGH ELEVATION FISH AND FROG SURVEY 2001-08-03
DFG01U0001	MILLIRON, C. ET AL. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FISH AND AMPHIBIAN TRACKING SYSTEM (FATS) ACCESS DATABASE, RESULTS OF 2001 HIGH ELEVATION LAKE SURVEYS 2001-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 75195	EO Index: 76198
Key Quad: Pacific Valley (3811958)	Element Code: AAABB01040
Occurrence Number: 130	Occurrence Last Updated: 2010-05-28

Scientific Name: <i>Anaxyrus canorus</i>	Common Name: Yosemite toad
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G2G3	USFS_S-Sensitive
State: S2S3	

General Habitat: VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6,400 TO 11,300 FEET IN ELEVATION.	Micro Habitat: PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.
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Last Date Observed: 2009-07-14	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2009-07-14	Occurrence Rank: Good
Owner/Manager: PVT-PGE	Trend: Unknown
Presence: Presumed Extant	

Location:
WEST & NORTH SHORES OF TWIN LAKE, & SMALL POND JUST NE OF TWIN LAKE.

Detailed Location:
2001: OBS IN SEEP POOL (NORTH END OF LAKE) AND ALONG NW/S MARGIN (SW FEATURE); MAP WITH LOCATIONS PROVIDED. 2009: OBSERVED ALONG BOUNDARY OF LAKE. ADULTS NEAR DAMS ASSOCIATED WITH SMALL MAMMAL BURROWS. PG&E LAND WITHIN ELDORADO NF.

Ecological:
SEEP POOL NEAR DAM 7 M X 9 M; GRASS COVERS ENTIRE MARGIN & IS PRESENT AS EMERGENT VEGETATION. SHORELINE OF LAKE HAS A SANDY SUBSTRATE & SHALLOW WATER. EPHEMERAL POOL W/ GRASS, SILT/MUD, BOULDERS. SURR LAND: RECREATION (FISHING, CAMPING).

Threats:
TROUT IN LAKE, DISTURBANCE FROM RECREATIONAL USERS, RESERVOIR OPERATIONS.

General:
15 JUV, 50-100 LARV IN SEEP POOL 26 JUN '01. 4 JUV & 1000S OF LARV ALONG LAKE SHORE 24 JUL '01. SEVERAL JUV ALONG MOIST EDGES OF OVERFLOW CREEK FROM POND 7 JUN '01. 2 ADULTS, 100S JUV, 10,000+ TAD, JUL '09. ANAXYRUS CANORUS/BOREAS HYBRIDS.

PLSS: T09N, R18E, Sec. 25 (M)	Accuracy: non-specific area	Area (acres): 99
UTM: Zone-11 N4277035 E243814	Latitude/Longitude: 38.60486 / -119.94196	Elevation (feet): 8,130

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:

MYE01F0004	MYERS, S.A. & J.L. ALVAREZ (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR ANAXYRUS CANORUS 2001-06-07
MYE01F0005	MYERS, S.A. & J.L. ALVAREZ (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR ANAXYRUS CANORUS 2001-07-24
POO09F0009	POOL, A. (ECORP CONSULTING, INC.) - FIELD SURVEY FORM FOR ANAXYRUS CANORUS 2009-07-01



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: 75199	EO Index: 76201
Key Quad: Pacific Valley (3811958)	Element Code: AAABB01040
Occurrence Number: 132	Occurrence Last Updated: 2009-06-29

Scientific Name: <i>Anaxyrus canorus</i>	Common Name: Yosemite toad
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G2G3	USFS_S-Sensitive
State: S2S3	

General Habitat:	Micro Habitat:
VICINITY OF WET MEADOWS IN CENTRAL HIGH SIERRA, 6,400 TO 11,300 FEET IN ELEVATION.	PRIMARILY MONTANE WET MEADOWS; ALSO IN SEASONAL PONDS ASSOCIATED WITH LODGEPOLE PINE AND SUBALPINE CONIFER FOREST.

Last Date Observed: 2001-07-02	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-07-02	Occurrence Rank: Good
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
 ADJACENT TO BLUE CREEK, ABOUT 0.5 MI SOUTH OF LOWER BLUE LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:
 SMALL POOLS ON THE UPPER TERRACE ADJACENT TO BLUE CREEK. MAP WITH LOCATIONS PROVIDED.

Ecological:
 THE SUBSTRATE OF THE POOLS CONSISTS OF BEDROCK & SILT/MUD. GRASSES & WILLOWS ARE PRESENT ON 20% OF THE MARGIN OF THE LARGEST POOL. PACIFIC TREE-FROG LARVAE ALSO OBSERVED AT THIS SITE.

Threats:
 RECREATION - ORV USE & FISHING. 2 DEAD TOADS ON 2 JUL 2001 PRESUMED RUN OVER BY MOTORCYCLES.

General:
 NUMEROUS JUVENILE ANAXYRUS CANORUS/BOREAS HYBRIDS OBS ALONG THE DIRT ROAD ON 7 JUN 2001. 2 DEAD JUVENILES & UNKNOWN NUMBER OF LIVE JUVENILE ANAXYRUS CANORUS/BOREAS HYBRIDS OBS ON DIRT ROAD ADJACENT TO POOLS ON 2 JUL 2001.

PLSS: T09N, R19E, Sec. 30, SE (M)	Accuracy: specific area	Area (acres): 19
UTM: Zone-11 N4276688 E245392	Latitude/Longitude: 38.60219 / -119.92372	Elevation (feet): 7,920

County Summary:	Quad Summary:
Alpine	Pacific Valley (3811958)

Sources:
 MYE01F0003 MYERS, S.A. & J.L. ALVAREZ (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR ANAXYRUS CANORUS 2001-06-07



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 30420	EO Index: 4269
Key Quad: Carson Pass (3811968)	Element Code: AAABH01340
Occurrence Number: 6	Occurrence Last Updated: 2014-09-05

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 1974-09-04	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-06-26	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
FROG LAKE, 0.4 MILE SOUTH OF HIGHWAY 88 AT CARSON PASS, 1.2 MILES NORTH OF WINNEMUCCA LAKE.

Detailed Location:
MAPPED BY CNDDB AT FROG LAKE BASED ON 3 COLLECTION LOCALITIES: "LITTLE FROG LAKE, NO. 1," "LITTLE FROG LAKE, NO. 2," AND "UPPER LAKE, 1 MI FROM HWY. 88 ON TRAIL TO LAKE WINNEMUCCA."

Ecological:

Threats:

General:

OCCURRENCE KNOWN FROM THREE COLLECTIONS FROM 1974. NO HERPS WERE FOUND DURING A SURVEY ON 26 JUN 2001. MORE RESEARCH NEEDED TO DETERMINE PRESENCE/ABSENCE OF THE SPECIES IN THE AREA.

PLSS: T10N, R18E, Sec. 27, NE (M)	Accuracy: specific area	Area (acres): 6
UTM: Zone-11 N4286369 E240284	Latitude/Longitude: 38.68784 / -119.98593	Elevation (feet): 7,900

County Summary: Alpine	Quad Summary: Carson Pass (3811968)
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Sources:

CAS74S0048	CASE, S. - CASE #534 MVZ #136220 1974-09-04
DFW14D0001	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26
WIL74S0001	WILSON, R. & S. CASE - WILSON #532 MVZ #136218 1974-08-29
WIL74S0002	WILSON, R. & S. CASE - WILSON #533 MVZ #136219 1974-08-30



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 22204

EO Index: 7850

Key Quad: Pacific Valley (3811958)

Element Code: AAABH01340

Occurrence Number: 35

Occurrence Last Updated: 2014-09-18

Scientific Name: *Rana sierrae*

Common Name: Sierra Nevada yellow-legged frog

Listing Status: **Federal:** Endangered

Rare Plant Rank:

State: Threatened

Other Lists: CDFW_WL-Watch List
IUCN_EN-Endangered
USFS_S-Sensitive

CNDDDB Element Ranks: **Global:** G1

State: S1

General Habitat:

ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.

Micro Habitat:

□

Last Date Observed: 1994-07-29

Occurrence Type: Natural/Native occurrence

Last Survey Date: 1994-07-29

Occurrence Rank: Fair

Owner/Manager: USFS-ELDORADO NF

Trend: Unknown

Presence: Presumed Extant

Location:

1.7 MILES SSW OF WET MEADOWS RESERVOIR, ALONG TRIBUTARY TO DEER CREEK, SE OF LITTLE INDIAN VALLEY, MOKELUMNE WILDERNESS.

Detailed Location:

Ecological:

SMALL ALPINE MEADOW STREAM.

Threats:

General:

1 ADULT & 12 TADPOLES OBSERVED ON 30 MAY 1992. 1 OBSERVED ON 28 JUL 1993. OVER 20 TADPOLES OBSERVED ON 17 JUN 1994. ON 29 JUL 1994 2 ADULTS, 4 METAMORPHS, AND 16 TADPOLES WERE OBSERVED WHICH WERE DEVELOPING LEGS.

PLSS: T08N, R19E, Sec. 03, NW (M)

Accuracy: specific area

Area (acres): 24

UTM: Zone-11 N4274259 E249433

Latitude/Longitude: 38.58148 / -119.87651

Elevation (feet): 7,950

County Summary:

Quad Summary:

Alpine

Ebbetts Pass (3811957), Pacific Valley (3811958)

Sources:

ELL92F0001 ELLIOTT, G. - FIELD SURVEY FORM FOR RANA MUSCOSA 1992-05-30

ELL94F0004 ELLIOTT, G. - FIELD SURVEY FORM FOR RANA MUSCOSA 1994-07-29

ELL94F0005 ELLIOTT, G. - FIELD SURVEY FORM FOR RANA MUSCOSA 1994-06-17

USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	30407	EO Index:	22280
Key Quad:	Pacific Valley (3811958)	Element Code:	AAABH01340
Occurrence Number:	42	Occurrence Last Updated:	2014-09-05

Scientific Name:	<i>Rana sierrae</i>	Common Name:	Sierra Nevada yellow-legged frog
Listing Status:	Federal: Endangered State: Threatened	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G1 State: S1	Other Lists:	CDFW_WL-Watch List IUCN_EN-Endangered USFS_S-Sensitive

General Habitat:	Micro Habitat:
ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	<input type="checkbox"/>

Last Date Observed:	1993-07-08	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2010-07-22	Occurrence Rank:	Unknown
Owner/Manager:	USFS-STANISLAUS NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
UPPER MOSQUITO AND LOWER MOSQUITO LAKES AND NORTH FORK STANISLAUS RIVER DOWNSTREAM OF LOWER LAKE, JUST SOUTH OF HWY 4.

Detailed Location:
LAKES WERE SURVEYED FOR 15 MIN ON 2 AUG 2001, AND 1 HOUR ON 22 JUL 2010.

Ecological:

Threats:
TROUT PRESENT.

General:
MANY HISTORICAL COLLECTIONS FROM THESE LAKES. 1992: 579 M OF STREAM AND MEADOW BELOW LOWER LAKE SURVEYED, 201 LARVAE, 3 ADULTS OBS. 1993: 1 OBS AT TRAIL CROSSING AT EAST END OF LOWER LAKE. NO HERPS WERE FOUND DURING SURVEYS IN 2001 & 2010.

PLSS: T08N, R19E, Sec. 29 (M)	Accuracy: non-specific area	Area (acres): 48
UTM: Zone-11 N4267130 E246410	Latitude/Longitude: 38.51646 / -119.90858	Elevation (feet): 8,000

County Summary:	Quad Summary:
Alpine	Pacific Valley (3811958)



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Sources:

AND58S0001	ANDERSON, J. - ANDERSON #1958 MVZ #67494 1958-07-03
AND58S0002	ANDERSON, J. - ANDERSON #1959 MVZ #67495 1958-07-03
ANO74S0003	ANONYMOUS - ANONYMOUS SN MVZ #136399 1974-07-24
BAN58S0001	BANKS, R. - BANKS #349 MVZ #70383 1958-08-06
CAN92U0001	CANORUS LIMITED - RESULTS OF 1992 HERPETOLOGICAL SURVEYS IN ELDORADO, STANISLAUS, SIERRA, AND SEQUOIA NATIONAL FORESTS 1992-06-17
CAN94U0001	CANORUS LIMITED - 1993 ANURAN SURVEY WITH INFORMATION ON RED-LEGGED, MOUNTAIN YELLOW-LEGGED, FOOTHILL YELLOW-LEGGED, PACIFIC CHORUS FROGS & WESTERN & YOSEMITE TOADS 1994-04-26
CAS74S0004	CASE, S. - CASE #432 MVZ #136171 1974-07-24
CAS74S0005	CASE, S. - CASE #433 MVZ #136172 1974-07-24
CAS74S0006	CASE, S. - CASE #434 MVZ #136173 1974-07-24
CAS74S0007	CASE, S. - CASE #435 MVZ #136174 1974-07-24
CAS74S0008	CASE, S. - CASE #436 MVZ #136175 1974-07-24
CAS74S0009	CASE, S. - CASE #437 MVZ #136176 1974-07-24
CAS74S0010	CASE, S. - CASE #438 MVZ #136177 1974-07-24
CAS74S0011	CASE, S. - CASE #439 MVZ #136178 1974-07-24
CAS74S0012	CASE, S. - CASE #440 MVZ #136179 1974-07-24
CAS74S0013	CASE, S. - CASE #441 MVZ #136180 1974-07-24
CAS74S0014	CASE, S. - CASE #444 MVZ #136181 1974-07-24
CAS74S0015	CASE, S. - CASE #445 MVZ #136182 1974-07-24
CAS74S0016	CASE, S. - CASE #446 MVZ #136183 1974-07-24
CAS74S0017	CASE, S. - CASE #447 MVZ #136184 1974-07-24
CAS74S0018	CASE, S. - CASE #448 MVZ #136185 1974-07-24
CAS74S0019	CASE, S. - CASE #449 MVZ #136186 1974-07-24
CAS74S0020	CASE, S. - CASE #450 MVZ #136187 1974-07-24
CAS74S0021	CASE, S. - CASE #451 MVZ #136188 1974-07-24
CAS74S0022	CASE, S. - CASE #452 MVZ #136189 1974-07-24
CAS74S0023	CASE, S. - CASE #453 MVZ #136190 1974-07-24
CAS78A0001	CASE, S. - ELECTROPHORETIC VARIATION IN TWO SUBSPECIES OF RANID FROGS, RANA BOYLEI AND R. MUSCOSA. COPEIA 1978(2): 311-320. 1978-XX-XX
DFW14D0001	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26
GRE82S0006	GREEN, D. - GREEN #1181 MVZ #178550 1982-07-11
HUE66S0001	HUEY, R. - HUEY #46 MVZ #80830 1966-07-22
HUE66S0002	HUEY, R. - HUEY #47 MVZ #80831 1966-07-22
HUE66S0003	HUEY, R. - HUEY #48 MVZ #80832 1966-07-22
HUE66S0004	HUEY, R. - HUEY #49 MVZ #80833 1966-07-22
JOH68S0002	JOHNSON, A. - JOHNSON #361 MVZ #84982 1968-08-15
KES60S0002	KESSEL, E. - KESSEL SN CAS #87814-87815 1960-10-01



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

**Map Index Number:** 93698**EO Index:** 43029**Key Quad:** Pacific Valley (3811958)**Element Code:** AAABH01340**Occurrence Number:** 56**Occurrence Last Updated:** 2014-09-19**Scientific Name:** *Rana sierrae***Common Name:** Sierra Nevada yellow-legged frog**Listing Status:** **Federal:** Endangered**Rare Plant Rank:****State:** Threatened**Other Lists:** CDFW_WL-Watch List
IUCN_EN-Endangered
USFS_S-Sensitive**CNDDDB Element Ranks:** **Global:** G1**State:** S1**General Habitat:**

ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.

Micro Habitat:

□

Last Date Observed: 2013-07-09**Occurrence Type:** Natural/Native occurrence**Last Survey Date:** 2013-07-09**Occurrence Rank:** Unknown**Owner/Manager:** USFS-STANISLAUS NF**Trend:** Unknown**Presence:** Presumed Extant**Location:**

VICINITY OF WHEELER LAKE, MOKELUMNE WILDERNESS, NORTH OF LAKE ALPINE.

Detailed Location:

1993 DETECTION FROM T8N, R18E, SEC 27, WHEELER LAKE TRIBUTARY, WHEELER LAKE TRAIL, SURVEY DIRECTION UP, ATTRIBUTED HERE. MAPPED BY CNDDDB AT WHEELER LAKE AND DOWNSTREAM TO FIRST MEADOW BASED ON SURVEY POINTS AT WHEELER LAKE AND FIRST MEADOW.

Ecological:**Threats:**

TROUT PRESENT IN 1993. NO BD COULD BE DETECTED IN 2010.

General:

1 ADULT DETECTED IN 1993. 3 ADULTS IN 2001. PRESENT 2003. 3 ADULTS IN 2005. PRESENT 2007. 7 METAMORPHS AND 19 LARVAE IN 2008. 2 ADULTS, 2 METAMORPHS, AND 45 LARVAE IN 2010. 4 ADULTS AND 47 LARVAE IN 2012. 13 ADULTS AND 12 SUBADULTS IN 2013.

PLSS: T08N, R18E, Sec. 27, NE (M)**Accuracy:** non-specific area**Area (acres):** 65**UTM:** Zone-11 N4267764 E240322**Latitude/Longitude:** 38.52041 / -119.97856**Elevation (feet):** 7,900**County Summary:****Quad Summary:**

Alpine

Pacific Valley (3811958)

Sources:

- CAN94U0001 CANORUS LIMITED - 1993 ANURAN SURVEY WITH INFORMATION ON RED-LEGGED, MOUNTAIN YELLOW-LEGGED, FOOTHILL YELLOW-LEGGED, PACIFIC CHORUS FROGS & WESTERN & YOSEMITE TOADS 1994-04-26
- DFG01F0031 CALIFORNIA DEPARTMENT OF FISH & GAME - FIELD SURVEY REPORT FOR SITE ID 15145 FROM "FATS" DATABASE FOR 2001 HIGH ELEVATION FISH AND FROG SURVEY 2001-08-03
- DFG01U0001 MILLIRON, C. ET AL. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FISH AND AMPHIBIAN TRACKING SYSTEM (FATS) ACCESS DATABASE, RESULTS OF 2001 HIGH ELEVATION LAKE SURVEYS 2001-XX-XX
- DFW14D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26
- USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 44736	EO Index: 44736
Key Quad: Carson Pass (3811968)	Element Code: AAABH01340
Occurrence Number: 74	Occurrence Last Updated: 2014-09-09

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 1958-07-24	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-06-28	Occurrence Rank: Unknown
Owner/Manager: DFG-RED LAKE WA	Trend: Unknown
Presence: Presumed Extant	

Location:
RED LAKE, EAST OF CARSON PASS AND SOUTH OF HIGHWAY 88.

Detailed Location:

Ecological:

Threats:

General:

ONE ADULT COLLECTED 24 JUL 1958 BY MCINTYRE. NONE WERE FOUND HERE DURING A HIGH MOUNTAIN LAKE BASELINE SURVEY ON 28 JUN 2001.

PLSS: T10N, R18E, Sec. 23 (M)	Accuracy: specific area	Area (acres): 76
UTM: Zone-11 N4287573 E241309	Latitude/Longitude: 38.69898 / -119.97462	Elevation (feet): 8,000

County Summary:

Alpine

Quad Summary:

Carson Pass (3811968)

Sources:

- DFW14D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26
- MCI58S0001 MCINTYRE, T. - MCINTYRE #3 MVZ #67330 1958-07-24



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 44742	EO Index: 44742
Key Quad: Carson Pass (3811968)	Element Code: AAABH01340
Occurrence Number: 77	Occurrence Last Updated: 2014-09-09

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 1956-06-30	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1956-06-30	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
FAITH VALLEY, ABOUT 2 MILES SOUTHEAST OF HIGHWAY 88, 3 AIR MILES ESE OF CARSON PASS.

Detailed Location:
COLLECTION LOCALITIES DESCRIBED ONLY AS "FAITH VALLEY."

Ecological:
Threats:

General:
COLLECTED HERE BY SMITH ON 26 JUL 1939, AND BY KARLSTROM ON 30 JUN 1956.

PLSS: T10N, R19E, Sec. 30 (M)	Accuracy: non-specific area	Area (acres): 138
UTM: Zone-11 N4285673 E245116	Latitude/Longitude: 38.68298 / -119.93019	Elevation (feet): 7,500

County Summary: Alpine	Quad Summary: Carson Pass (3811968)
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Sources:

KAR56S0002	KARLSTROM, E. - KARLSTROM #980 MVZ #68056 1956-06-30
KAR56S0003	KARLSTROM, E. - KARLSTROM #981 MVZ #68057 1956-06-30
SMI39S0007	SMITH, R. - SMITH SN MVZ #32614-32617 1939-07-26



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 93928	EO Index: 44762
Key Quad: Pacific Valley (3811958)	Element Code: AAABH01340
Occurrence Number: 82	Occurrence Last Updated: 2014-09-23

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 2013-08-25	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-08-25	Occurrence Rank: Fair
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
STANISLAUS MEADOW, SOUTH OF HIGHWAY 4, SW OF PACIFIC GRADE SUMMIT, STANISLAUS NATIONAL FOREST.

Detailed Location:
MAPPED BY CNDDDB ACCORDING TO GIS POINTS FROM THE CDFW HIGH MOUNTAIN LAKES DATABASE. SEVERAL COLLECTIONS BY MILLER FROM "4 MI W LOOKOUT PEAK" FROM 13 SEP 1943 ARE ATTRIBUTED HERE.

Ecological:

Threats:
BD WAS DETECTED HERE IN 2008 AND 2010.

General:
DETECTED IN 1943, 2005, 2008, 2009, 2010, 2012, AND 2013. POPULATIONS AS HIGH AS 35 ADULTS, 250 SUBADULTS, 15 METAMORPHS, AND 737 LARVAE WERE OBSERVED DURING VARIOUS YEARS.

PLSS: T08N, R19E, Sec. 31, W (M)	Accuracy: specific area	Area (acres): 15
UTM: Zone-11 N4265446 E243968	Latitude/Longitude: 38.50060 / -119.93594	Elevation (feet): 7,700

County Summary: Alpine	Quad Summary: Spicer Meadows Res. (3811948), Pacific Valley (3811958)
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Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Sources:

DFW14D0001	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26
MIL43S0001	MILLER, A. - MILLER #4633 MVZ #39429 1943-09-13
MIL43S0002	MILLER, A. - MILLER #4634 MVZ #39430 1943-09-13
MIL43S0003	MILLER, A. - MILLER #4635 MVZ #39431 1943-09-13
MIL43S0004	MILLER, A. - MILLER #4637 MVZ #39432 1943-09-13
MIL43S0005	MILLER, A. - MILLER #4638 MVZ #39433 1943-09-13
MIL43S0006	MILLER, A. - MILLER #4639 MVZ #39434 1943-09-13
MIL43S0007	MILLER, A. - MILLER #4640 MVZ #39435 COLLECTED 4 MI W LOOKOUT PEAK 1943-09-13
MIL43S0008	MILLER, A. - MILLER #4641 MVZ #39436 1943-09-13
MIL43S0009	MILLER, A. - MILLER #4642 MVZ #39437 1943-09-13
MIL43S0010	MILLER, A. - MILLER #4643 MVZ #39438 1943-09-13
MIL43S0011	MILLER, A. - MILLER #4644 MVZ #39439 COLLECTED 4 MI W LOOKOUT PEAK 1943-09-13
MIL43S0012	MILLER, A. - MILLER #4645 MVZ #39440 1943-09-13
MIL43S0013	MILLER, A. - MILLER #4646 MVZ #39441 1943-09-13
MIL43S0014	MILLER, A. - MILLER #4636 MVZ #39442 1943-09-13



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 44860	EO Index: 44860
Key Quad: Ebbetts Pass (3811957)	Element Code: AAABH01340
Occurrence Number: 100	Occurrence Last Updated: 2014-09-23

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 1981-08-01	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-08-11	Occurrence Rank: None
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Possibly Extirpated	

Location:
NOBLE LAKE, 0.7 MILE NE OF TRYON PEAK, 2.2 MILES SE OF EBBETTS PASS, TOIYABE NATIONAL FOREST.

Detailed Location:
COLLECTION LOCALITY GIVEN AS "NOBEL LAKE, 2.4 MI SE EBBETTS PASS."

Ecological:
Threats:

General:
COLLECTED HERE BY SAGE ON 1 AUG 1981; TAXONOMY CONFIRMED IN (VRENDENBURG, 2007). NONE WERE FOUND DURING SURVEYS AT NOBLE LAKE AND ADJACENT PONDS ON 29 JUL 2004, 25 JUN 2012, AND 11 AUG 2013.

PLSS: T08N, R20E, Sec. 21, SE (M)	Accuracy: non-specific area	Area (acres): 4
UTM: Zone-11 N4268051 E257903	Latitude/Longitude: 38.52795 / -119.77724	Elevation (feet): 8,880

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:

DFW14D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26

SAG81S0001 SAGE, R. - SAGE #10346 MVZ #180142 1981-08-01

SAG81S0002 SAGE, R. - SAGE #10347 MVZ #180143 1981-08-01

SAG81S0003 SAGE, R. - SAGE #10393 MVZ #180160 1981-08-01

SAG81S0004 SAGE, R. - SAGE #10348 MVZ #180161 1981-08-01

SAG81S0005 SAGE, R. - SAGE #10349 MVZ #180162 1981-08-01

SAG81S0006 SAGE, R. - MVZ #180163 COLLECTED FROM NOBEL LAKE, 2.4 MI SE EBBETTS PASS 1981-08-01

VRE07A0001 VRENDENBURG, V. ET AL. - CONCORDANT MOLECULAR AND PHENOTYPIC DATA DELINEATE NEW TAXONOMY AND CONSERVATION PRIORITIES FOR THE ENDANGERED MOUNTAIN YELLOW-LEGGED FROG. JOURNAL OF ZOOLOGY 271 (2007):361-374. 2007-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 44935	EO Index: 44935
Key Quad: Ebbetts Pass (3811957)	Element Code: AAABH01340
Occurrence Number: 114	Occurrence Last Updated: 2014-09-10

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 2007-08-21	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2007-08-21	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
ALONG CREEK IN SOUTHERN PORTION OF INDIAN VALLEY, JUST NORTH OF MOKELUMNE WILDERNESS, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:
THREATENED BY PRESENCE OF RAINBOW TROUT IN STREAM.

General:
2 ADULTS OBSERVED ON 29 JUL 1994. 4 OBSERVED IN JUL 2003. 1 OBSERVED ON 28 JUN 2007. 1 ADULT OBSERVED 21 AUG 2007.

PLSS: T09N, R19E, Sec. 34, S (M)	Accuracy: non-specific area	Area (acres): 53
UTM: Zone-11 N4274809 E249831	Latitude/Longitude: 38.58654 / -119.87214	Elevation (feet): 7,950

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:

ELL94F0008	ELLIOTT, G. - FIELD SURVEY FORM FOR RANA MUSCOSA 1994-07-29
ELL94F0009	ELLIOTT, G. - FIELD SURVEY FORM FOR RANA MUSCOSA 1994-07-29
USFNDD0002	U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 44936	EO Index: 44936
Key Quad: Pacific Valley (3811958)	Element Code: AAABH01340
Occurrence Number: 115	Occurrence Last Updated: 2014-09-11

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 2008-08-13	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-08-13	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
DEADWOOD LAKE, ABOUT A MILE WEST OF MEADOW LAKE, MOKELUMNE WILDERNESS.

Detailed Location:

Ecological:

Threats:
BD WAS DETECTED HERE IN 2008.

General:
2 ADULTS AND 5 TADPOLES DETECTED ON 3 SEP 1995. 18 DETECTED 15 AUG 2001, BUT NO AGE CLASS INFORMATION WAS PROVIDED. 12 SUBADULTS DETECTED 14 AUG 2002. 1 ADULT AND 3 SUBADULTS DETECTED 13 AUG 2008.

PLSS: T09N, R18E, Sec. 27, SW (M)	Accuracy: specific area	Area (acres): 2
UTM: Zone-11 N4276773 E239539	Latitude/Longitude: 38.60126 / -119.99089	Elevation (feet): 8,550

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:

DFW14D0001	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26
ELL95F0011	ELLIOTT, G. - FIELD SURVEY FORM FOR RANA MUSCOSA 1995-09-03
USFNDD0002	U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 44937	EO Index: 44937
Key Quad: Pacific Valley (3811958)	Element Code: AAABH01340
Occurrence Number: 116	Occurrence Last Updated: 2014-09-12

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List IUCN_EN-Endangered USFS_S-Sensitive
CNDDDB Element Ranks:	
Global: G1	
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 2012-08-19	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2012-08-19	Occurrence Rank: Fair
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
ALONG DEADWOOD CANYON CREEK, ABOUT 1.5 MILES WEST OF MEADOW LAKE, MOKELUMNE WILDERNESS.

Detailed Location:
MAPPED BY CNDDDB TO INCLUDE TRACKED MOVEMENTS OF RADIO-BELTED FROGS, AS WELL AS GIS DATA FROM US FOREST SERVICE AND CA DEPARTMENT OF FISH AND WILDLIFE.

Ecological:

Threats:
BD WAS DETECTED HERE IN 2008 AND 2010.

General:
OBSERVED HERE IN 1993, 1995, 1996, 2000, 2001, 2002, 2003, 2008, 2010, AND 2012. POPULATIONS AS HIGH AS 27 ADULTS, 153 SUBADULTS, 23 METAMORPHS, 376 LARVAE, AND 7 EGG MASSES WERE OBSERVED IN CERTAIN YEARS.

PLSS: T09N, R18E, Sec. 28 (M)	Accuracy: non-specific area	Area (acres): 82
UTM: Zone-11 N4276750 E238885	Latitude/Longitude: 38.60086 / -119.99838	Elevation (feet): 8,300

County Summary: Alpine	Quad Summary: Pacific Valley (3811958), Mokelumne Peak (3812051)
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Sources:

- DFW14D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26
- ELL95F0012 ELLIOTT, G. - FIELD SURVEY FORM FOR RANA MUSCOSA 1995-09-03
- USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX
- VRE04R0001 VREDENBURG, V. ET AL. (MUSEUM OF VERTEBRATE ZOOLOGY) - PATTERNS OF HABITAT USE & MOVEMENT OF RANA MUSCOSA IN NORTHERN SIERRA NEVADA WITH COMPARISONS TO POPS IN SOUTHERN SIERRA NEVADA, WITH ADDITIONAL INFO ON BIOGEOGRAPHY OF SPECIES 2004-06-14
- VRE07A0001 VREDENBURG, V. ET AL. - CONCORDANT MOLECULAR AND PHENOTYPIC DATA DELINEATE NEW TAXONOMY AND CONSERVATION PRIORITIES FOR THE ENDANGERED MOUNTAIN YELLOW-LEGGED FROG. JOURNAL OF ZOOLOGY 271 (2007):361-374. 2007-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 44938	EO Index: 44938
Key Quad: Pacific Valley (3811958)	Element Code: AAABH01340
Occurrence Number: 117	Occurrence Last Updated: 2014-09-11

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 2013-07-04	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-07-04	Occurrence Rank: Fair
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
DEER CREEK, IN LITTLE INDIAN VALLEY, APPROXIMATELY 1.5 MILES SE OF TAMARACK LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:
RAINBOW TROUT PRESENT IN LOWER PORTION OF STREAM REACH. BD WAS DETECTED IN 2008 AND 2010.

General:
DETECTED IN 1995, 1996, 1997, 2000, 2001, 2002, 2005, 2007, 2008, 2009, 2010, 2012, AND 2013. POPULATIONS AS HIGH AS 12 ADULTS, 38 SUBADULTS, 5 METAMORPHS, 452 LARVAE, AND 1 EGG MASS WERE OBSERVED IN CERTAIN YEARS.

PLSS: T09N, R19E, Sec. 33, E (M)	Accuracy: non-specific area	Area (acres): 59
UTM: Zone-11 N4275534 E248711	Latitude/Longitude: 38.59275 / -119.88525	Elevation (feet): 7,700

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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- Sources:**
- DFW14D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26
 - ELL95F0013 ELLIOTT, G. - FIELD SURVEY FORM FOR RANA MUSCOSA 1995-08-19
 - LAC01F0004 LACAN, I. (U.S. FOREST SERVICE-PACIFIC SOUTHWEST RESEARCH STATION) - FIELD SURVEY FORM FOR RANA MUSCOSA 2001-08-14
 - USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX
 - VRE07A0001 VREDENBURG, V. ET AL. - CONCORDANT MOLECULAR AND PHENOTYPIC DATA DELINEATE NEW TAXONOMY AND CONSERVATION PRIORITIES FOR THE ENDANGERED MOUNTAIN YELLOW-LEGGED FROG. JOURNAL OF ZOOLOGY 271 (2007):361-374. 2007-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 50206	EO Index: 50206
Key Quad: Ebbetts Pass (3811957)	Element Code: AAABH01340
Occurrence Number: 162	Occurrence Last Updated: 2014-10-09

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List IUCN_EN-Endangered USFS_S-Sensitive
CNDDDB Element Ranks:	
Global: G1	
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 2012-06-20	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2012-06-20	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
UPPER AND LOWER KINNEY LAKES, 1.3 MILES NW OF HIGHWAY 4 AT EBBETTS PASS, TOIYABE NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

LOWER KINNEY LAKE: 1 ADULT DETECTED IN 2001, 12 SUBADULTS 2002, 10 SUBADULTS 2005, 2 ADULTS 2008, 1 ADULT 2010, 2 ADULTS 2012.
UPPER KINNEY LAKE: 1 SUBADULT DETECTED IN 2002, 1 ADULT AND 1 LARVA 2012.

PLSS: T08N, R20E, Sec. 07, NW (M)	Accuracy: specific area	Area (acres): 85
UTM: Zone-11 N4271694 E253878	Latitude/Longitude: 38.55963 / -119.82463	Elevation (feet): 8,600

County Summary:

Alpine

Quad Summary:

Ebbetts Pass (3811957)

Sources:

- DFG01F0028 CALIFORNIA DEPARTMENT OF FISH & GAME - FIELD SURVEY REPORT FOR SITE ID 14995 FROM "FATS" DATABASE FOR 2001 HIGH ELEVATION FISH AND FROG SURVEY 2001-07-22
- DFG01U0001 MILLIRON, C. ET AL. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FISH AND AMPHIBIAN TRACKING SYSTEM (FATS) ACCESS DATABASE, RESULTS OF 2001 HIGH ELEVATION LAKE SURVEYS 2001-XX-XX
- DFW14D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: 50207	EO Index: 50207
Key Quad: Ebbetts Pass (3811957)	Element Code: AAABH01340
Occurrence Number: 163	Occurrence Last Updated: 2014-10-09

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat:	Micro Habitat:
ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	□

Last Date Observed: 2012-06-20	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2012-06-20	Occurrence Rank: Excellent
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
UNNAMED LAKE BETWEEN SHERROLD LAKE AND UPPER KINNEY LAKE, 0.8 MILE NW OF HWY 4 AT EBBETTS PASS, TOIYABE NATIONAL FOREST.

Detailed Location:
THIS SITE IS CA LAKES ID #15019.

Ecological:
SMALL HIGH ELEVATION LAKE WITH LITTORAL SUBSTRATE OF SILT AND SHORELINE SUBSTRATE OF GRASS/SEDGE/FORB. FISH (NOT IDENTIFIED) OBSERVED AT THE LAKE INLET. LAKE WAS NOT STOCKED, NO FISH SEEN IN LAKE IN 2001.

Threats:
BD WAS DETECTED HERE IN 2008 AND 2010.

General:
EGGS COLLECTED HERE CIRCA 1990. DETECTED HERE DURING SURVEYS IN 2001, 2002, 2005, 2008, 2010, AND 2012. POPULATIONS AS HIGH AS 100 ADULTS, 149 SUBADULTS, 29 METAMORPHS, 375 LARVAE, AND 30 EGG MASSES WERE OBSERVED IN CERTAIN YEARS.

PLSS: T08N, R20E, Sec. 07, SW (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4271029 E254080	Latitude/Longitude: 38.55371 / -119.82208	Elevation (feet): 8,800

County Summary:	Quad Summary:
Alpine	Ebbetts Pass (3811957)

Sources:

BRA92A0001	BRADFORD, D. ET AL. - EFFECTS OF LOW PH AND ALUMINUM ON TWO DECLINING SPECIES OF AMPHIBIANS IN THE SIERRA NEVADA, CALIFORNIA. JOURNAL OF HERPETOLOGY 26(4): 369-377. 1992-XX-XX
DFG01F0029	CALIFORNIA DEPARTMENT OF FISH & GAME - FIELD SURVEY REPORT FOR SITE ID 15019 FROM "FATS" DATABASE FOR 2001 HIGH ELEVATION FISH AND FROG SURVEY 2001-07-21
DFG01U0001	MILLIRON, C. ET AL. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FISH AND AMPHIBIAN TRACKING SYSTEM (FATS) ACCESS DATABASE, RESULTS OF 2001 HIGH ELEVATION LAKE SURVEYS 2001-XX-XX
DFW14D0001	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

**Map Index Number:** 50649**EO Index:** 50649**Key Quad:** Pacific Valley (3811958)**Element Code:** AAABH01340**Occurrence Number:** 178**Occurrence Last Updated:** 2014-10-16**Scientific Name:** *Rana sierrae***Common Name:** Sierra Nevada yellow-legged frog**Listing Status:** **Federal:** Endangered**Rare Plant Rank:****State:** Threatened**Other Lists:** CDFW_WL-Watch List
IUCN_EN-Endangered
USFS_S-Sensitive**CNDDDB Element Ranks:** **Global:** G1**State:** S1**General Habitat:**

ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.

Micro Habitat:

□

Last Date Observed: 2012-07-18**Occurrence Type:** Natural/Native occurrence**Last Survey Date:** 2012-07-18**Occurrence Rank:** Good**Owner/Manager:** USFS-ELDORADO NF**Trend:** Unknown**Presence:** Presumed Extant**Location:**

0.5 MILE SW OF MIDDLE CREEK CAMPGROUND, BETWEEN UPPER BLUE LAKE AND LOWER BLUE LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:

POND PROVIDES DISPERSAL HABITAT FOR MYLF FROM THE MEADOW AREA. COLLECTIONS ATTRIBUTED HERE WITH LOCALITIES PROVIDED AS "BLUE LAKES," "POND NEAR BLUE LAKES," AND "CREEKS FLOWING INTO UPPER BLUE LAKE."

Ecological:

HABITAT CONSISTS OF A MEADOW WITH SMALL PONDS (DRIED PRIOR TO MID-SEP 2001) AND MEANDERING STREAM; GRASSES/WILLOWS OR SEDGES COVER MOST OF POND MARGINS.

Threats:

POSSIBLE THREAT FROM TROUT OBSERVED TO BE INHABITING THE MEADOW STREAM. BD WAS DETECTED HERE IN 2008.

General:

COLLECTIONS MADE IN 1939, 1940, AND 1941. DETECTED DURING SURVEYS IN 2001, 2002, 2003, 2005, 2008, 2009, 2010, 2012. POPULATIONS AS HIGH AS 3 ADULTS, 2 SUBADULTS, 40 METAMORPHS, AND 138 LARVAE WERE OBSERVED IN CERTAIN YEARS.

PLSS: T09N, R18E, Sec. 13 (M)**Accuracy:** specific area**Area (acres):** 21**UTM:** Zone-11 N4278946 E243534**Latitude/Longitude:** 38.62198 / -119.94588**Elevation (feet):** 8,200**County Summary:****Quad Summary:**

Alpine

Pacific Valley (3811958), Carson Pass (3811968)

Sources:

ALV01F0002 ALVAREZ, J. & J. ALVAREZ (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR RANA SIERRAE 2001-07-23

ALV01F0003 ALVAREZ, J. & S. MYERS (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR RANA SIERRAE 2001-09-18

CAL40S0001 CALHOUN, A. - CALHOUN SN SU #6084-6089 1940-08-06

DFW14D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26

POO09F0002 POOL, A. (ECORP CONSULTING, INC.) - FIELD SURVEY FORM FOR RANA SIERRAE 2009-07-15

SMI39S0008 SMITH, R. - SMITH SN MVZ #32618-32622 1939-08-02

STO41S0001 STORER, T. - STORER SN CAS #218387 1941-08-15

USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 70205	EO Index: 71086
Key Quad: South Lake Tahoe (3811988)	Element Code: AAABH01340
Occurrence Number: 243	Occurrence Last Updated: 2014-12-18

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 1935-08-18	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1935-08-18	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
0.5 MILE NE OF STAR LAKE, SE OF LAKE TAHOE.

Detailed Location:
COLLECTION LOCALITY DESCRIBED AS "0.5 MI NE STAR LAKE" IN EL DORADO COUNTY. THE DRAINAGE NEAREST TO 0.5 MILE NE OF STAR LAKE IS THE HEAD OF STUTLER CANYON, JUST OVER THE COUNTY LINE INTO ALPINE COUNTY. UNCERTAIN IF NW WAS MEANT.

Ecological:

Threats:

General:

COLLECTION MADE BY R. SMITH ON 18 AUG 1935.

PLSS: T12N, R19E, Sec. 29 (M)	Accuracy: 4/5 mile	Area (acres): 0
UTM: Zone-11 N4307401 E250044	Latitude/Longitude: 38.87994 / -119.88147	Elevation (feet): 9,000

County Summary:

Alpine, El Dorado

Quad Summary:

Woodfords (3811977), Freel Peak (3811978), Minden (3811987), South Lake Tahoe (3811988)

Sources:

SMI35S0001 SMITH, R. - SMITH SN MVZ #18192 1935-08-18



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 70206

EO Index: 71087

Key Quad: Ebbetts Pass (3811957)

Element Code: AAABH01340

Occurrence Number: 244

Occurrence Last Updated: 2014-12-18

Scientific Name: *Rana sierrae*

Common Name: Sierra Nevada yellow-legged frog

Listing Status: **Federal:** Endangered

Rare Plant Rank:

State: Threatened

Other Lists: CDFW_WL-Watch List
IUCN_EN-Endangered
USFS_S-Sensitive

CNDDDB Element Ranks: **Global:** G1

State: S1

General Habitat:

ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.

Micro Habitat:

Last Date Observed: 1939-05-19

Occurrence Type: Natural/Native occurrence

Last Survey Date: 1939-05-19

Occurrence Rank: Unknown

Owner/Manager: USFS-TOIYABE NF

Trend: Unknown

Presence: Presumed Extant

Location:

WEST FORK OF SILVER CREEK, 2 MILES NORTH OF EBBETTS PASS, TOIYABE NATIONAL FOREST.

Detailed Location:

COLLECTION LOCALITIES GIVEN AS "W FORK SILVER CR, 2 MI N EBBETS PASS" AT 7600 FEET ELEVATION.

Ecological:

Threats:

General:

A SET OF COLLECTIONS WERE MADE HERE BY JOHNSON ON 19 MAY 1939.

PLSS: T08N, R20E, Sec. 06 (M)

Accuracy: non-specific area

Area (acres): 97

UTM: Zone-11 N4273170 E255118

Latitude/Longitude: 38.57327 / -119.81094

Elevation (feet): 7,600

County Summary:

Quad Summary:

Alpine

Ebbetts Pass (3811957)

Sources:

JOH39S0001 JOHNSON, D. - JOHNSON #3552 MVZ #28577 1939-05-19
 JOH39S0002 JOHNSON, D. - JOHNSON #3553 MVZ #28578 1939-05-19
 JOH39S0003 JOHNSON, D. - JOHNSON #3554 MVZ #28579 1939-05-19
 JOH39S0004 JOHNSON, D. - JOHNSON #3555 MVZ #28580 1939-05-19
 JOH39S0005 JOHNSON, D. - JOHNSON #3556 MVZ #28581 1939-05-19
 JOH39S0006 JOHNSON, D. - JOHNSON #3557 MVZ #28582 1939-05-19
 JOH39S0007 JOHNSON, D. - JOHNSON #3558 MVZ #28583 1939-05-19
 JOH39S0008 JOHNSON, D. - JOHNSON #3559 MVZ #28584 1939-05-19



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 36156	EO Index: 71116
Key Quad: Ebbetts Pass (3811957)	Element Code: AAABH01340
Occurrence Number: 259	Occurrence Last Updated: 2014-12-30

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 1965-10-16	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-07-21	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF, TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
VICINITY OF EBBETTS PASS, ALONG HIGHWAY 4 AT BOUNDARY BETWEEN STANISLAUS NATIONAL FOREST AND TOIYABE NATIONAL FOREST.

Detailed Location:
COLLECTION LOCALITIES DESCRIBED AS EBBETTS PASS AT 8050 FT, EBBETTS PASS AT 8730 FT, AND 0.25 MILE WEST OF EBBETTS PASS. MAPPED BY CNDDDB CENTERED ON EBBETTS PASS.

Ecological:

Threats:

General:
COLLECTED BY T. STORER ON 23 JUL 1930, BY R. STEBBINS ON 2 JUL 1954, BY F. SCHUIERER ON 28 JUN 1964, AND BY R. BURY ON 16 OCT 1965. NO R. SIERRAE WERE FOUND DURING SURVEYS OF THIS VICINITY ON 20-21 JUL 2001.

PLSS: T08N, R20E, Sec. 18 (M)	Accuracy: 2/5 mile	Area (acres): 0
UTM: Zone-11 N4269951 E254920	Latitude/Longitude: 38.54424 / -119.81208	Elevation (feet): 8,700

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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- Sources:**
- BUR65S0001 BURY, R. - BURY #3 CM #45135 1965-10-16
 - BUR65S0002 BURY, R. - BURY #4 CM #45136 1965-10-16
 - BUR65S0003 BURY, R. - BURY #5 CM #45137 1965-10-16
 - DFW14D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26
 - SCH64S0003 SCHUIERER, F. - SCHUIERER SN CAS #97670-97672 1964-06-28
 - STE54S0002 STEBBINS, R. - STEBBINS #6987 MVZ #61571 1954-07-02
 - STE54S0003 STEBBINS, R. - STEBBINS #6988 MVZ #61572 1954-07-02
 - STO30S0014 STORER, T. - STORER #2579 WFB #948599323 1930-07-23



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 70258

EO Index: 71144

Key Quad: Carson Pass (3811968)

Element Code: AAABH01340

Occurrence Number: 264

Occurrence Last Updated: 2014-12-30

Scientific Name: *Rana sierrae*

Common Name: Sierra Nevada yellow-legged frog

Listing Status: **Federal:** Endangered

Rare Plant Rank:

State: Threatened

Other Lists: CDFW_WL-Watch List
IUCN_EN-Endangered
USFS_S-Sensitive

CNDDDB Element Ranks: **Global:** G1

State: S1

General Habitat:

ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.

Micro Habitat:

Last Date Observed: 1957-08-18

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2003-07-30

Occurrence Rank: Unknown

Owner/Manager: USFS-ELDORADO NF

Trend: Unknown

Presence: Presumed Extant

Location:

JUST NE OF LAKE WINNEMUCCA, 1.5 MILES SOUTH OF CARSON PASS, ELDORADO NATIONAL FOREST.

Detailed Location:

COLLECTION LOCALITIES DESCRIBED AS "SMALL POND NE LAKE WINNEMUCCA" AT 9000 FT ELEVATION. MAPPED BY CNDDDB NON-SPECIFICALLY ACROSS THE THREE PONDS WHICH ARE ROUGHLY 100 METERS NE OF LAKE WINNEMUCCA, PRESUMING THE SITE WASN'T FAR TO THE NE.

Ecological:

Threats:

General:

COLLECTIONS MADE BY G. CHRISTMAN ON 18 AUG 1957. NO R. SIERRAE WERE FOUND DURING SURVEYS OF THESE PONDS AND OTHER NEARBY PONDS IN 2001, 2002, AND 2003.

PLSS: T10N, R18E, Sec. 34, NW (M)

Accuracy: non-specific area

Area (acres): 5

UTM: Zone-11 N4284718 E239750

Latitude/Longitude: 38.67283 / -119.99144

Elevation (feet): 9,000

County Summary:

Quad Summary:

Alpine

Carson Pass (3811968)

Sources:

CHR57S0001 CHRISTMAN, G. - CHRISTMAN #654 MVZ #66188 1957-08-18

CHR57S0002 CHRISTMAN, G. - CHRISTMAN #655 MVZ #66189 1957-08-18

CHR57S0003 CHRISTMAN, G. - CHRISTMAN #656 MVZ #66190 1957-08-18

DFW14D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 73981

EO Index: 74981

Key Quad: Pacific Valley (3811958)

Element Code: AAABH01340

Occurrence Number: 300

Occurrence Last Updated: 2017-03-02

Scientific Name: *Rana sierrae*

Common Name: Sierra Nevada yellow-legged frog

Listing Status: **Federal:** Endangered

Rare Plant Rank:

State: Threatened

Other Lists: CDFW_WL-Watch List
IUCN_EN-Endangered
USFS_S-Sensitive

CNDDDB Element Ranks: **Global:** G1

State: S1

General Habitat:

ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.

Micro Habitat:

□

Last Date Observed: 2016-09-22

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2016-09-22

Occurrence Rank: Good

Owner/Manager: USFS-HUMBOLDT-TOIYABE NF

Trend: Unknown

Presence: Presumed Extant

Location:

TAMARACK LAKE, VIRGINIA LAKE, AND SEVERAL NEARBY UNNAMED LAKES, WEST OF SUNSET LAKES, TOIYABE NATIONAL FOREST.

Detailed Location:

MAPPED BY CNDDDB ACCORDING TO DIGITAL DATA PROVIDED BY CA DEPARTMENT OF FISH AND WILDLIFE HIGH MOUNTAIN LAKES DATABASE. 2016 DETECTION IN VIRGINIA LAKE.

Ecological:

Threats:

BD WAS DETECTED HERE IN 2008 AND 2010.

General:

DETECTED IN 2001, 2002, 2003, 2005, 2008, 2009, 2010, 2012, AND 2016. POPULATIONS AS HIGH AS 48 ADULTS, 57 SUBADULTS, 345 LARVAE, AND 48 EGG MASSES WERE OBSERVED IN CERTAIN YEARS.

PLSS: T09N, R19E, Sec. 28 (M)

Accuracy: specific area

Area (acres): 123

UTM: Zone-11 N4277603 E248098

Latitude/Longitude: 38.61120 / -119.89302

Elevation (feet): 8,000

County Summary:

Quad Summary:

Alpine

Pacific Valley (3811958)

Sources:

BEL16F0011 BELLI, J. - FIELD SURVEY FORM FOR RANA SIERRAE 2016-09-22

DFW14D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26

VRE07A0001 VREDENBURG, V. ET AL. - CONCORDANT MOLECULAR AND PHENOTYPIC DATA DELINEATE NEW TAXONOMY AND CONSERVATION PRIORITIES FOR THE ENDANGERED MOUNTAIN YELLOW-LEGGED FROG. JOURNAL OF ZOOLOGY 271 (2007):361-374. 2007-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 74604

EO Index: 75612

Key Quad: Freel Peak (3811978)

Element Code: AAABH01340

Occurrence Number: 333

Occurrence Last Updated: 2015-01-07

Scientific Name: *Rana sierrae*

Common Name: Sierra Nevada yellow-legged frog

Listing Status: **Federal:** Endangered

Rare Plant Rank:

State: Threatened

Other Lists: CDFW_WL-Watch List
IUCN_EN-Endangered
USFS_S-Sensitive

CNDDDB Element Ranks: **Global:** G1

State: S1

General Habitat:

ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.

Micro Habitat:

Last Date Observed: 2013-08-12

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2013-08-12

Occurrence Rank: Unknown

Owner/Manager: USFS-LAKE TAHOE BMU

Trend: Unknown

Presence: Presumed Extant

Location:

HELL HOLE MEADOW ALONG TROUT CREEK TRIBUTARY, ABOUT 4 MILES SE OF MEYERS, SOUTH OF LAKE TAHOE.

Detailed Location:

FELLERS SITE ID #LT-06.

Ecological:

Threats:

General:

2 SUBADULTS AND 3 LARVAE OBSERVED 19 AUG 1997. 2 ADULTS AND 71 LARVAE ON 13 JUN 2000. 5 TADPOLES ON 20 JUN 2012. 4 TADPOLES ON 7 AUG 2012. 10 TADPOLES ON 27 JUN 2013. 1 ADULT, 5 SUBADULTS, 1 TADPOLE ON 12 AUG 2013.

PLSS: T11N, R18E, Sec. 01, W (M)

Accuracy: specific area

Area (acres): 44

UTM: Zone-11 N4301753 E244356

Latitude/Longitude: 38.82748 / -119.94486

Elevation (feet): 8,350

County Summary:

Quad Summary:

El Dorado

Freel Peak (3811978)

Sources:

- FEL08D0001 FELLERS, G. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - MULTI-SPECIES EXCEL DATABASE OF AMPHIBIAN OCCURRENCES FROM 1992-2008 2008-09-29
- USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 95651	EO Index: 96787
Key Quad: Spicer Meadows Res. (3811948)	Element Code: AAABH01340
Occurrence Number: 633	Occurrence Last Updated: 2015-03-25

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 2004-07-28	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2004-07-28	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
NEAR THE CONFLUENCE OF PACIFIC CREEK WITH ITS TRIBUTARY FROM MARSHALL CANYON, STANISLAUS NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

AT LEAST ONE INDIVIDUAL WAS FOUND DURING AN ELECTROFISHING SURVEY IN THIS VICINITY ON 28 JUL 2004.

PLSS: T07N, R19E, Sec. 04, N (M)	Accuracy: 2/5 mile	Area (acres): 0
UTM: Zone-11 N4264667 E247785	Latitude/Longitude: 38.49468 / -119.89195	Elevation (feet): 7,800

County Summary:

Alpine

Quad Summary:

Spicer Meadows Res. (3811948), Pacific Valley (3811958)

Sources:
USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 95669	EO Index: 96808
Key Quad: Ebbetts Pass (3811957)	Element Code: AAABH01340
Occurrence Number: 636	Occurrence Last Updated: 2015-03-20

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List IUCN_EN-Endangered USFS_S-Sensitive
CNDDDB Element Ranks:	
Global: G1	
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 2012-05-31	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2012-05-31	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
UPPER SUNSET LAKE, LOWER SUNSET LAKE, AND SUMMIT LAKE, TOIYABE NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:
BD WAS DETECTED HERE IN 2010.

General:
DETECTED AT VARIOUS OF THESE LAKES IN 2003, 2005, 2008, 2009, 2010, AND 2012. NOT ALL LAKES WERE SURVEYED IN ANY ONE YEAR, BUT <10 ADULTS AND SUBADULTS WERE DETECTED DURING ANY SURVEY.

PLSS: T09N, R19E, Sec. 27, N (M)	Accuracy: specific area	Area (acres): 98
UTM: Zone-11 N4277471 E249623	Latitude/Longitude: 38.61044 / -119.87548	Elevation (feet): 8,000

County Summary:

Alpine

Quad Summary:

Ebbetts Pass (3811957), Pacific Valley (3811958)

Sources:
DFW14D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 95670	EO Index: 96810
Key Quad: Pacific Valley (3811958)	Element Code: AAABH01340
Occurrence Number: 637	Occurrence Last Updated: 2015-03-20

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 2012-09-17	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2012-09-17	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
0.8 MILE EAST OF LOWER BLUE LAKE DAM, WEST OF TAMARACK LAKE, TOIYABE NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:
BD WAS DETECTED HERE IN 2008.

General:
DETECTED IN 2003, 2004, 2005, 2008, 2009, 2010, AND 2012. POPULATIONS AS HIGH AS 46 ADULTS, 9 SUBADULTS, 3 METAMORPHS, 51 LARVAE, AND 21 EGG MASSES WERE DETECTED IN CERTAIN YEARS.

PLSS: T09N, R19E, Sec. 29, NW (M)	Accuracy: specific area	Area (acres): 13
UTM: Zone-11 N4277113 E246381	Latitude/Longitude: 38.60630 / -119.91254	Elevation (feet): 8,300

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:
DFW14D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	95674	EO Index:	96814
Key Quad:	Carson Pass (3811968)	Element Code:	AAABH01340
Occurrence Number:	638	Occurrence Last Updated:	2015-03-20

Scientific Name:	<i>Rana sierrae</i>	Common Name:	Sierra Nevada yellow-legged frog
Listing Status:	Federal: Endangered State: Threatened	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G1 State: S1	Other Lists:	CDFW_WL-Watch List IUCN_EN-Endangered USFS_S-Sensitive

General Habitat:	Micro Habitat:
ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	<input type="checkbox"/>

Last Date Observed:	2012-07-17	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2012-07-17	Occurrence Rank:	Unknown
Owner/Manager:	USFS-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
 PONDS 1 MILE SE OF WINNEMUCCA LAKE, AT HEAD OF FORESTDALE CREEK, MOKELUMNE WILDERNESS, TOIYABE NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

BD WAS DETECTED HERE IN 2008 AND 2010.

General:

DETECTED IN 2003, 2005, 2008, 2010, AND 2012. POPULATIONS AS HIGH AS 26 ADULTS, 3 SUBADULTS, 9 METAMORPHS, 277 LARVAE, AND 1 EGG MASS WERE DETECTED IN CERTAIN YEARS.

PLSS: T10N, R18E, Sec. 35, SW (M)	Accuracy: specific area	Area (acres): 8
UTM: Zone-11 N4283493 E241334	Latitude/Longitude: 38.66226 / -119.97280	Elevation (feet): 8,700

County Summary:

Alpine

Quad Summary:

Carson Pass (3811968)

Sources:
 DFW14D0001 CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 95677	EO Index: 96815
Key Quad: Carson Pass (3811968)	Element Code: AAABH01340
Occurrence Number: 639	Occurrence Last Updated: 2015-03-20

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 2010-07-10	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2012-07-17	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF, UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
WEST SIDE OF UPPER BLUE LAKE, SOUTH OF UPPER BLUE LAKE CAMPGROUND, EDGE OF MOKELUMNE WILDERNESS.

Detailed Location:

Ecological:

Threats:
BD WAS DETECTED HERE IN 2010.

General:
DETECTED 3 JUL 2004. 1 ADULT AND 1 METAMORPH DETECTED 11 JUL 2008. 58 LARVAE DETECTED 23 JUL 2009. 1 ADULT DETECTED 1 JUL 2010. ALSO DETECTED 10 JUL 2010. NONE FOUND DURING SURVEY 17 JUL 2012.

PLSS: T09N, R18E, Sec. 12, SW (M)	Accuracy: specific area	Area (acres): 153
UTM: Zone-11 N4280333 E242461	Latitude/Longitude: 38.63415 / -119.95870	Elevation (feet): 8,200

County Summary: Alpine	Quad Summary: Carson Pass (3811968)
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Sources:

DFW14D0001	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - CDFW AMPHIBIANS - HIGH MOUNTAIN LAKES DATABASE, COVERING 1995 TO 2013 FIELDWORK 2014-03-26
USFNDD0002	U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 95679	EO Index: 96816
Key Quad: Freel Peak (3811978)	Element Code: AAABH01340
Occurrence Number: 640	Occurrence Last Updated: 2015-03-20

Scientific Name: <i>Rana sierrae</i>	Common Name: Sierra Nevada yellow-legged frog
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists: CDFW_WL-Watch List
CNDDDB Element Ranks:	IUCN_EN-Endangered
Global: G1	USFS_S-Sensitive
State: S1	

General Habitat: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.	Micro Habitat: <input type="checkbox"/>
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Last Date Observed: 2013-06-27	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-06-27	Occurrence Rank: Unknown
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
1.4 MILES WEST OF ARMSTRONG PASS, NW OF HELL HOLE, CARSON RANGE, SOUTH OF SOUTH LAKE TAHOE.

Detailed Location:

Ecological:

Threats:

General:

1 ADULT OBSERVED 7 AUG 2012. EGGS AND ADULTS OBSERVED 27 JUN 2013.

PLSS: T11N, R18E, Sec. 01, NW (M)	Accuracy: specific area	Area (acres): 11
UTM: Zone-11 N4302473 E245013	Latitude/Longitude: 38.83415 / -119.93757	Elevation (feet): 8,300

County Summary:

El Dorado

Quad Summary:

Freel Peak (3811978)

Sources:
USFNDD0002 U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	21519	EO Index:	12900
Key Quad:	Heenan Lake (3811966)	Element Code:	ABNKC10010
Occurrence Number:	129	Occurrence Last Updated:	1999-06-03

Scientific Name:	<i>Haliaeetus leucocephalus</i>	Common Name:	bald eagle
Listing Status:	Federal: Delisted State: Endangered	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5 State: S3	Other Lists:	BLM_S-Sensitive CDF_S-Sensitive CDFW_FP-Fully Protected IUCN_LC-Least Concern USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern

General Habitat:	Micro Habitat:
OCEAN SHORE, LAKE MARGINS, AND RIVERS FOR BOTH NESTING AND WINTERING. MOST NESTS WITHIN 1 MILE OF WATER.	NESTS IN LARGE, OLD-GROWTH, OR DOMINANT LIVE TREE WITH OPEN BRANCHES, ESPECIALLY PONDEROSA PINE. ROOSTS COMMUNALLY IN WINTER.

Last Date Observed:	1997-XX-XX	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	1997-XX-XX	Occurrence Rank:	Good
Owner/Manager:	DFG-HEENAN LAKE WA	Trend:	Unknown
Presence:	Presumed Extant		

Location:
 HEENAN LAKE TERRITORY; SOUTHWEST CORNER OF HEENAN LAKE, SOUTH OF HWY 89 AT SAGEHEN FLAT, ALPINE COUNTY.

Detailed Location:
 NEST IS IN AN 80-FT JEFFREY PINE, 100 FT ABOVE THE ROAD ON THE WEST SIDE OF THE LAKE.

Ecological:
 NEST TREE IS A JEFFREY PINE; SURROUNDING HABITAT IS JEFFREY PINE FOREST INTERSPERSED WITH SAGEBRUSH/BITTERBRUSH.

Threats:

General:
 NEST DISCOVERED IN 1992; 2 ADULTS AND 2 JUVENILES OBSERVED (1 FLEDGED). 1 YOUNG FLEDGED IN 1993. OCCUPIED/UNSUCCESSFUL IN 1994. 1 YOUNG FLEDGED IN 1995. 2 YOUNG FLEDGED IN 1996. 1 YOUNG FLEDGED IN 1997.

PLSS: T09N, R21E, Sec. 10, NW (M)	Accuracy: 1/10 mile	Area (acres): 0
UTM: Zone-11 N4280999 E268100	Latitude/Longitude: 38.64723 / -119.66468	Elevation (feet): 7,000

County Summary:	Quad Summary:
Alpine	Heenan Lake (3811966)

Sources:

DFG97U0001	DFG - NONGAME BIRD & MAMMAL CONSERVATION PROGRAM - CALIFORNIA BALD EAGLE BREEDING TERRITORY SITE INFORMATION FROM 1990-97. 1997-XX-XX
DFG97U0002	DFG - NONGAME BIRD & MAMMAL CONSERVATION PROGRAM - CALIFORNIA BALD EAGLE BREEDING TERRITORY OBSERVATION DATA FROM 1990-97. 1997-XX-XX
HIN92F0001	HINZ, D. - FIELD SURVEY FORM FOR HALIAEETUS LEUCOCEPHALUS (NEST SITE) 1992-05-21



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 14425	EO Index: 26680	
Key Quad: South Lake Tahoe (3811988)	Element Code: ABNKC12060	
Occurrence Number: 126	Occurrence Last Updated: 1995-12-07	

Scientific Name: <i>Accipiter gentilis</i>	Common Name: northern goshawk
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	
CNDDDB Element Ranks:	Other Lists:
Global: G5	BLM_S-Sensitive
State: S3	CDF_S-Sensitive
	CDFW_SSC-Species of Special Concern
	IUCN_LC-Least Concern
	USFS_S-Sensitive

General Habitat:

WITHIN, AND IN VICINITY OF, CONIFEROUS FOREST. USES OLD NESTS, AND MAINTAINS ALTERNATE SITES.

Micro Habitat:

USUALLY NESTS ON NORTH SLOPES, NEAR WATER. RED FIR, LODGEPOLE PINE, JEFFREY PINE, AND ASPENS ARE TYPICAL NEST TREES.

Last Date Observed: 1981-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1981-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Decreasing
Presence: Presumed Extant	

Location:

TROUT CREEK.

Detailed Location:**Ecological:****Threats:****General:**

EYRIE NUMBER ED001. NEST IN A LODGEPOLE ABANDONED BECAUSE OF A LAND USE CHANGE. (REED).

PLSS: T12N, R18E, Sec. 15, SE (M)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N4308078 E242265	Latitude/Longitude: 38.88379 / -119.97129	Elevation (feet): 6,320

County Summary:

El Dorado

Quad Summary:

Freel Peak (3811978), South Lake Tahoe (3811988)

Sources:
 DFG84U0002 CALIFORNIA DEPARTMENT OF FISH & GAME - PRINTOUT FROM RON SCHLORFF (DFG) FOR NORTHERN GOSHAWK (ACCIPITER GENTILIS) NEST CODES. 1984-10-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 14394	EO Index: 25524
Key Quad: Carson Pass (3811968)	Element Code: ABNSB12040
Occurrence Number: 15	Occurrence Last Updated: 1996-02-02

Scientific Name: <i>Strix nebulosa</i>	Common Name: great gray owl
Listing Status:	Rare Plant Rank:
Federal: None	
State: Endangered	Other Lists: CDF_S-Sensitive
CNDDB Element Ranks:	IUCN_LC-Least Concern
Global: G5	USFS_S-Sensitive
State: S1	

General Habitat: RESIDENT OF MIXED CONIFER OR RED FIR FOREST HABITAT, IN OR ON EDGE OF MEADOWS.	Micro Habitat: REQUIRES LARGE DIAMETER SNAGS IN A FOREST WITH HIGH CANOPY CLOSURE, WHICH PROVIDE A COOL SUB-CANOPY MICROCLIMATE.
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Last Date Observed: 1971-06-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1979-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
0.3 MILE WEST OF CARSON PASS.

Detailed Location:

Ecological:

Threats:

General:

CONFIRMED SIGHTINGS OF ONE ADULT EACH SUMMER FROM 1968 THROUGH 1971. THIS IS A POSSIBLE BREEDING AREA, AND THERE IS SUITABLE HABITAT WEST OF THE PASS.

PLSS: T10N, R18E, Sec. 22, SE (M)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N4286990 E240562	Latitude/Longitude: 38.69351 / -119.98297	Elevation (feet): 8,200

County Summary:

Alpine

Quad Summary:

Carson Pass (3811968), Caples Lake (3812061)

Sources:

DFG85U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - RAPTOR NEST REPORT. 1985-01-15
WIN80R0001	WINTER, J. - STATUS AND DISTRIBUTION OF THE GREAT GRAY OWL IN CALIFORNIA. CALIFORNIA DEPT. OF FISH AND GAME. 1980-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	14638	EO Index:	25522
Key Quad:	Markleeville (3811967)	Element Code:	ABNSB12040
Occurrence Number:	19	Occurrence Last Updated:	1989-08-10

Scientific Name:	<i>Strix nebulosa</i>	Common Name:	great gray owl
Listing Status:	Federal: None State: Endangered	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5 State: S1	Other Lists:	CDF_S-Sensitive IUCN_LC-Least Concern USFS_S-Sensitive

General Habitat:	Micro Habitat:
RESIDENT OF MIXED CONIFER OR RED FIR FOREST HABITAT, IN OR ON EDGE OF MEADOWS.	REQUIRES LARGE DIAMETER SNAGS IN A FOREST WITH HIGH CANOPY CLOSURE, WHICH PROVIDE A COOL SUB-CANOPY MICROCLIMATE.

Last Date Observed:	1979-12-XX	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	1984-08-13	Occurrence Rank:	Unknown
Owner/Manager:	DPR-GROVER HOT SPRINGS SP	Trend:	Unknown
Presence:	Presumed Extant		

Location:
GROVER HOT SPRINGS STATE PARK, JUST WEST OF MARKLEEVILLE.

Detailed Location:

Ecological:
THE HABITAT IS SURROUNDED BY OLD GROWTH WHICH WOULD SUPPORT BREEDING. THERE ARE A NUMBER OF EXCELLENT HUNTING PERCHES AROUND THE EDGE OF THE MEADOW.

Threats:
General:
ONE OWL OBSERVED IN BOTH JUNE AND DECEMBER OF 1979. THIS IS A PROBABLE NESTING AREA, BUT NO PAIRS HAVE BEEN OBSERVED OR A NEST LOCATED.

PLSS: T10N, R19E, Sec. 24 (M)	Accuracy: 1/5 mile	Area (acres): 0
UTM: Zone-11 N4287153 E252903	Latitude/Longitude: 38.69851 / -119.84130	Elevation (feet): 5,920

County Summary:	Quad Summary:
Alpine	Markleeville (3811967)

Sources:

DFG85U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - RAPTOR NEST REPORT. 1985-01-15
WIN84R0001	WINTER, J. - GREAT GRAY OWL SURVEY, 1984 1984-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 23972	EO Index: 7168	
Key Quad: Woodfords (3811977)	Element Code: ABNUA01010	
Occurrence Number: 50	Occurrence Last Updated: 1993-08-17	

Scientific Name: <i>Cypseloides niger</i>	Common Name: black swift
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDB Element Ranks:	IUCN_LC-Least Concern
Global: G4	NABCI_YWL-Yellow Watch List
State: S2	USFWS_BCC-Birds of Conservation Concern

General Habitat: COASTAL BELT OF SANTA CRUZ AND MONTEREY COUNTIES; CENTRAL & SOUTHERN SIERRA NEVADA; SAN BERNARDINO & SAN JACINTO MOUNTAINS.	Micro Habitat: BREEDS IN SMALL COLONIES ON CLIFFS BEHIND OR ADJACENT TO WATERFALLS IN DEEP CANYONS AND SEA-BLUFFS ABOVE THE SURF; FORAGES WIDELY.
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Last Date Observed: 1992-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1992-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
CLOUDBURST CANYON, TRIBUTARY TO THE WEST FORK OF THE CARSON RIVER, 2.5 MILES WSW OF WOODFORDS.

Detailed Location:
ARRIVAL DATES RANGE FROM 5-10 MAY; DEPARTURE DATES FROM 30 AUGUST TO 5 SEPTEMBER.

Ecological:
NESTING HABITAT CONSISTS OF A WATERFALL.

Threats:
General:
SITE WAS FIRST DISCOVERED IN 1986, WHEN 4-6 PAIRS WERE ESTIMATED TO BE NESTING (2 ACTUAL NESTS OBSERVED). BIRDS HAVE NESTED THERE EVERY YEAR SINCE THROUGH THE 1992 BREEDING SEASON, WITH AS MANY AS 11 ADULTS OBSERVED.

PLSS: T10N, R19E, Sec. 02 (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4293826 E251183	Latitude/Longitude: 38.75809 / -119.86346	Elevation (feet): 6,500

County Summary: Alpine	Quad Summary: Woodfords (3811977)
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Sources:
KNO93A0001 KNORR, O.A. - BREEDING OF THE BLACK SWIFT IN THE GREAT BASIN. WESTERN BIRDS (24:197-198, 1993) 1993-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	14483	EO Index:	25306
Key Quad:	Carson Pass (3811968)	Element Code:	ABPAE33040
Occurrence Number:	60	Occurrence Last Updated:	2006-08-16

Scientific Name:	<i>Empidonax traillii</i>	Common Name:	willow flycatcher
Listing Status:	Federal: None State: Endangered	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5 State: S1S2	Other Lists:	IUCN_LC-Least Concern USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern

General Habitat:	Micro Habitat:
INHABITS EXTENSIVE THICKETS OF LOW, DENSE WILLOWS ON EDGE OF WET MEADOWS, PONDS, OR BACKWATERS; 2000-8000 FT ELEVATION.	REQUIRES DENSE WILLOW THICKETS FOR NESTING/ROOSTING. LOW, EXPOSED BRANCHES ARE USED FOR SINGING POSTS/HUNTING PERCHES.

Last Date Observed:	1986-06-26	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	1986-06-26	Occurrence Rank:	Good
Owner/Manager:	USFS-HUMBOLDT-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
 FAITH VALLEY, 8 MILES WEST OF MARKLEEVILLE, TOIYABE NATIONAL FOREST.

Detailed Location:
 LOCATION MAPPED IS AREA OF FAITH VALLEY LOCATED IN SECTIONS 30 AND 31. MALES FOUND AT ONLY TWO LOCATIONS IN TOIYABE NATIONAL FOREST IN 1986.

Ecological:
 HABITAT IS A LARGE, WET MEADOW WITH EXTENSIVE WILLOW THICKETS; MUCH OF THE MEADOW IS APPARENTLY TOO WET FOR LIVESTOCK GRAZING.

Threats:
General:
 DFG COLONY #AL04. THREE BREEDING MALES OBSERVED IN 26 JUN 1986. A POSSIBLE FOURTH MALE OBSERVED PERCHED ATOP WILLOW IN DISTANCE, BUT NOT HEARD. NONE OBSERVED ON 11 JUL 2004.

PLSS:	T10N, R19E, Sec. 30 (M)	Accuracy:	3/5 mile	Area (acres):	0
UTM:	Zone-11 N4285663 E245073	Latitude/Longitude:	38.68288 / -119.93068	Elevation (feet):	7,500

County Summary:	Quad Summary:
Alpine	Carson Pass (3811968)

Sources:

DFG87U0017	DFG - NONGAME WILDLIFE SECTION - GORDON GOULD'S DATABASE PRINTOUT FOR WILLOW FLYCATCHER SIGHTINGS 1987-12-01
HAR86R0002	HARRIS ET AL. - THE STATUS AND DISTRIBUTION OF THE WILLOW FLYCATCHER IN CALIFORNIA, 1986. ADMINISTRATIVE REPORT 88-1, WILDLIFE MANAGEMENT BRANCH, CALIFORNIA DEPT. OF FISH AND GAME. 1986-XX-XX
MAT04F0021	MATHEWSON, H. - FIELD SURVEY FORM FOR EMPIDONAX TRAILLII 2004-07-11



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	14507	EO Index:	25305
Key Quad:	Carson Pass (3811968)	Element Code:	ABPAE33040
Occurrence Number:	61	Occurrence Last Updated:	2004-12-10

Scientific Name:	<i>Empidonax traillii</i>	Common Name:	willow flycatcher
Listing Status:	Federal: None State: Endangered	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5 State: S1S2	Other Lists:	IUCN_LC-Least Concern USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern

General Habitat:	Micro Habitat:
INHABITS EXTENSIVE THICKETS OF LOW, DENSE WILLOWS ON EDGE OF WET MEADOWS, PONDS, OR BACKWATERS; 2000-8000 FT ELEVATION.	REQUIRES DENSE WILLOW THICKETS FOR NESTING/ROOSTING. LOW, EXPOSED BRANCHES ARE USED FOR SINGING POSTS/HUNTING PERCHES.

Last Date Observed:	1986-06-26	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	1986-06-26	Occurrence Rank:	Unknown
Owner/Manager:	USFS-HUMBOLDT-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
UPPER CHARITY VALLEY, 8 MILES WSW OF MARKLEEVILLE, TOIYABE NATIONAL FOREST.

Detailed Location:
MALES FOUND ONLY AT TWO LOCATIONS IN TOIYABE NATIONAL FOREST IN 1986.

Ecological:
SURVEY AREA HAS A LARGE, WET MEADOW WITH AN EXTENSIVE WILLOW THICKET; APPARENTLY TOO WET FOR GRAZING. AREA DOES NOT APPEAR TO BE GRAZED.

Threats:
General:
TWO BREEDING MALES OBSERVED ON 26 JUN 1986.

PLSS:	T09N, R19E, Sec. 05 (M)	Accuracy:	3/5 mile	Area (acres):	0
UTM:	Zone-11 N4282498 E246214	Latitude/Longitude:	38.65472 / -119.91642	Elevation (feet):	7,900

County Summary:	Quad Summary:
Alpine	Carson Pass (3811968)

Sources:

DFG87U0017	DFG - NONGAME WILDLIFE SECTION - GORDON GOULD'S DATABASE PRINTOUT FOR WILLOW FLYCATCHER SIGHTINGS 1987-12-01
HAR86R0002	HARRIS ET AL. - THE STATUS AND DISTRIBUTION OF THE WILLOW FLYCATCHER IN CALIFORNIA, 1986. ADMINISTRATIVE REPORT 88-1, WILDLIFE MANAGEMENT BRANCH, CALIFORNIA DEPT. OF FISH AND GAME. 1986-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	21077	EO Index:	23973
Key Quad:	Carson Pass (3811968)	Element Code:	ABPAE33040
Occurrence Number:	93	Occurrence Last Updated:	2006-08-15

Scientific Name:	<i>Empidonax traillii</i>	Common Name:	willow flycatcher
Listing Status:	Federal: None State: Endangered	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5 State: S1S2	Other Lists:	IUCN_LC-Least Concern USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern

General Habitat:	Micro Habitat:
INHABITS EXTENSIVE THICKETS OF LOW, DENSE WILLOWS ON EDGE OF WET MEADOWS, PONDS, OR BACKWATERS; 2000-8000 FT ELEVATION.	REQUIRES DENSE WILLOW THICKETS FOR NESTING/ROOSTING. LOW, EXPOSED BRANCHES ARE USED FOR SINGING POSTS/HUNTING PERCHES.

Last Date Observed:	2004-07-15	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2004-07-15	Occurrence Rank:	Good
Owner/Manager:	DFG-RED LAKE WA	Trend:	Unknown
Presence:	Presumed Extant		

Location:
NORTH AND WEST SIDE OF RED LAKE, ALONG HIGHWAY 88.

Detailed Location:
MAT04F0001 SITE IS AT NAD27 UTM ZONE 10 763230 E, 4287896 N. MAT04F0002 SITE IS AT NAD27 UTM ZONE 10 762699 E, 4287334 N.

Ecological:
MONTANE RIPARIAN/MEADOW HABITAT; 60 % SALIX SPP. (5-10 FT.), 40 % MEADOW GRASSES AND FORBS. 2 OLD BEAVER DAMS PROVIDE 2 SMALL PONDS. SEVERAL SMALL STREAMS WITH RUNNING WATER. STANDING WATER PRESENT. DFG WILDLIFE AREA, APPROX. 15 ACRES.

Threats:
DFG WILDLIFE AREA; NO GRAZING, NO MOTORIZED VEHICLES.

General:
6 TERRITORIAL MALES OBS BTWN 0800-0900 HRS; RESPONDED TO TAPED CALLS & HAD VISUAL SIGHTINGS. 22 ADULTS DETECTED (10 AT WEST SIDE, 12 AT NORTH SIDE) DURING SURVEY 23 JUN 1992. 2 ADULTS OBS 5 JUN 2004. 1 UNPAIRED MALE OBS 15 JUL 2004.

PLSS:	T10N, R18E, Sec. 23, NW (M)	Accuracy:	non-specific area	Area (acres):	35
UTM:	Zone-11 N4287980 E241478	Latitude/Longitude:	38.70268 / -119.97282	Elevation (feet):	7,880

County Summary:	Quad Summary:
Alpine	Carson Pass (3811968)

Sources:

HIN91F0001	HINZ, D. & D. GIFFORD - FIELD SURVEY FORM FOR EMPIDONAX TRAILLII 1991-07-18
HIN91F0002	HINZ, D. & D. GIFFORD - FIELD SURVEY FORM FOR EMPIDONAX TRAILLII 1991-07-18
MAT04F0001	MATHEWSON, H. - FIELD SURVEY FORM FOR EMPIDONAX TRAILLII 2004-06-05
MAT04F0002	MATHEWSON, H. - FIELD SURVEY FORM FOR EMPIDONAX TRAILLII 2004-06-05
SCH92F0056	SCHLORFF, R. - FIELD SURVEY FORM FOR EMPIDONAX TRAILLII 1992-06-23



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	65844	EO Index:	65923
Key Quad:	Carson Pass (3811968)	Element Code:	ABPAE33040
Occurrence Number:	132	Occurrence Last Updated:	2006-09-05

Scientific Name:	<i>Empidonax traillii</i>	Common Name:	willow flycatcher
Listing Status:	Federal: None State: Endangered	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5 State: S1S2	Other Lists:	IUCN_LC-Least Concern USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern

General Habitat:	Micro Habitat:
INHABITS EXTENSIVE THICKETS OF LOW, DENSE WILLOWS ON EDGE OF WET MEADOWS, PONDS, OR BACKWATERS; 2000-8000 FT ELEVATION.	REQUIRES DENSE WILLOW THICKETS FOR NESTING/ROOSTING. LOW, EXPOSED BRANCHES ARE USED FOR SINGING POSTS/HUNTING PERCHES.

Last Date Observed:	2004-06-13	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2004-06-13	Occurrence Rank:	Excellent
Owner/Manager:	USFS-HUMBOLDT-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
MEADOW BETWEEN RED LAKE PEAK & HWY 88, ABOUT 0.8 MI SE OF CRATER LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:
LOCATION DESCRIPTION AS "RED LAKE PEAK, MEADOW ON EAST SIDE OF RED LAKE PEAK, WEST OF HIGHWAY 88." MAPPED USING COORDINATES GIVEN IN NE 1/4 OF NE 1/4 SEC 14.

Ecological:
WILLOW / ASPEN COMMUNITY. DOMINANTS: SALIX LEMMONII & S. GEYERIANA. BEAVER ACTIVITY CONTRIBUTING TO POOLED WATER IN MEADOW. NATURAL PONDS AND SPRINGS CONTRIBUTING TO WATER.

Threats:
General:
BREEDING & NESTING SITE. 4 ADULTS AND 1 JUVENILE OBSERVED FROM 13 JUN THROUGH 13 AUG 2004. 2 PAIRS, BOTH ATTEMPTED BREEDING. 1 PAIR ATTEMPTED TWICE, BOTH NESTS FAILED. SECOND PAIR SUCCESSFULLY FLEDGED 1 YOUNG.

PLSS: T10N, R18E, Sec. 14, NE (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4289377 E242377	Latitude/Longitude: 38.71552 / -119.96302	Elevation (feet): 7,750

County Summary:	Quad Summary:
Alpine	Carson Pass (3811968)

Sources:
MAT04F0003 MATHEWSON, H. - FIELD SURVEY FORM FOR EMPIDONAX TRAILLII 2004-06-13



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 15001	EO Index: 1499
Key Quad: Wolf Creek (3811956)	Element Code: AFCHA02081
Occurrence Number: 8	Occurrence Last Updated: 1995-12-01

Scientific Name: <i>Oncorhynchus clarkii henshawi</i>	Common Name: Lahontan cutthroat trout
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: AFS_TH-Threatened
CNDDDB Element Ranks:	
Global: G4T3	
State: S2	

General Habitat: HISTORICALLY IN ALL ACCESSIBLE COLD WATERS OF THE LAHONTAN BASIN IN A WIDE VARIETY OF WATER TEMPS AND CONDITIONS.	Micro Habitat: CANNOT TOLERATE PRESENCE OF OTHER SALMONIDS. REQUIRES GRAVEL RIFFLES IN STREAMS FOR SPAWNING.
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Last Date Observed: 1983-09-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1983-09-XX	Occurrence Rank: Good
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF, PVT	Trend: Decreasing
Presence: Presumed Extant	

Location:
POISON FLAT CREEK, TRIBUTARY TO EAST FORK CARSON RIVER.

Detailed Location:
1.0 MILE OCCUPIED HABITAT.

Ecological:
INTRODUCED POPULATION; PRESENCE CONFIRMED BY R. WICKWIRE IN 1982 ABOVE FALLS; TROUT ONLY FISH FOUND.

Threats:
DEGRADED BY LIVESTOCK, BEAVER, SPORT TAKE, AND OTHER RECREATION.

General:
1982 POPULATION ESTIMATE 200 FISH. BY 1994 PRIVATE INHOLDINGS IN CARSON-ICEBERG WILDERNESS AREA HAVE BEEN ACQUIRED.

PLSS: T08N, R21E, Sec. 25, E (M)	Accuracy: specific area	Area (acres): 130
UTM: Zone-11 N4265139 E270809	Latitude/Longitude: 38.50515 / -119.62837	Elevation (feet): 7,760

County Summary: Alpine	Quad Summary: Disaster Peak (3811946), Coleville (3811955), Wolf Creek (3811956)
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- Sources:**
- BEL83U0001 BELAND, R. - LETTER TO STEVE NICOLA (DFG) INDICATING LAHONTAN CUTTHROAT TROUT STREAM SURVEY DATES. (LAHONTAN CUTTHROAT TROUT STREAMS) 1983-XX-XX
 - BRO85U0002 BRODE, J. - COMMENTS FROM BRODE DURING 1985 CNDDDB SCORECARD REVIEW MEETINGS. SEE SA SCORECARD FOR SPECIFIC NOTES. 1985-08-22
 - GER80U0001 GERSTUNG, E. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - LOCALITIES FOR ENDANGERED SALMONIDS: ONCORHYNCHUS AGUABONITA WHITEI, O. CLARKI CLARKI, O. CLARKI HENSHAWI, O. CLARKI SELENIRIS, SALVELINUS CONFLUENTUS 1980-XX-XX
 - GER83M0001 GERSTUNG, E. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MAP WITH LOCATIONS OF SALMO CLARKI HENSHAWI. 1983-XX-XX
 - GER85R0001 GERSTUNG, E. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FISHERY MANAGEMENT PLAN FOR LAHONTAN CUTTHROAT TROUT (SALMO CLARKI HEWSHAWI) IN CALIFORNIA AND WESTERN NEVADA WATERS. 1985-01-XX
 - GER94U0016 GERSTUNG, E. - UPDATE OF A RAREFIND PRINTOUT FOR LAHONTAN CUTTHROAT TROUT OCCURRENCE 008. 1994-05-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 14666	EO Index: 14863	
Key Quad: Ebbetts Pass (3811957)	Element Code: AFCHA02081	
Occurrence Number: 22	Occurrence Last Updated: 1996-07-10	

Scientific Name: <i>Oncorhynchus clarkii henshawi</i>	Common Name: Lahontan cutthroat trout
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: AFS_TH-Threatened
CNDDDB Element Ranks:	
Global: G4T3	
State: S2	

General Habitat: HISTORICALLY IN ALL ACCESSIBLE COLD WATERS OF THE LAHONTAN BASIN IN A WIDE VARIETY OF WATER TEMPS AND CONDITIONS.	Micro Habitat: CANNOT TOLERATE PRESENCE OF OTHER SALMONIDS. REQUIRES GRAVEL RIFFLES IN STREAMS FOR SPAWNING.
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Last Date Observed: 1995-XX-XX	Occurrence Type: Introduced Back into Native Hab./Range
Last Survey Date: 1995-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
RAYMOND MEADOWS CREEK, 0.2 MILE NORTH OF HIGHWAY 4 AND BENCH MARK 7046.

Detailed Location:
RAYMOND MEADOWS CREEK, TRIBUTARY TO SILVER CREEK.

Ecological:
PROBABLY INTRODUCED POPULATION; PRESENCE CONFIRMED BY R. WICKWIRE IN 1982 ABOVE FALLS; NOT FOUND IN 1984 SURVEY; NOT FOUND IN 1990 SURVEY. NO OTHER FISH IN STREAM.

Threats:
IMPACTS FROM LIVESTOCK, TIMBER HARVEST, AND ROAD EROSION.

General:
LAHONTAN CUTTHROAT TROUT WERE FOUND DURING A SINGLE PASS SAMPLING OF A 1 MILE SECTION OF RAYMOND MEADOWS CREEK IN THE FALL OF 1995 (PERS COMM E. GERSTUNG).

PLSS: T09N, R20E (M)	Accuracy: specific area	Area (acres): 112
UTM: Zone-11 N4273918 E253793	Latitude/Longitude: 38.57963 / -119.82639	Elevation (feet): 8,320

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:

BEL83U0001	BELAND, R. - LETTER TO STEVE NICOLA (DFG) INDICATING LAHONTAN CUTTHROAT TROUT STREAM SURVEY DATES. (LAHONTAN CUTTHROAT TROUT STREAMS) 1983-XX-XX
BRO85U0002	BRODE, J. - COMMENTS FROM BRODE DURING 1985 CNDDDB SCORECARD REVIEW MEETINGS. SEE SA SCORECARD FOR SPECIFIC NOTES. 1985-08-22
GER83M0001	GERSTUNG, E. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MAP WITH LOCATIONS OF SALMO CLARKI HENSHAWI. 1983-XX-XX
GER94U0026	GERSTUNG, E. - UPDATE OF A RAREFIND PRINTOUT FOR LAHONTAN CUTTHROAT TROUT OCCURRENCE 022. 1994-05-XX
SOM96U0001	SOMER, W.L. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MEMO TO D. DRAKE, SUBJECT: "SENSITIVE SPECIES INFORMATION FOR CDF FIRE PLAN." 1996-04-15



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 34004	EO Index: 28931
Key Quad: Spicer Meadows Res. (3811948)	Element Code: AFCHA02081
Occurrence Number: 26	Occurrence Last Updated: 1996-07-10

Scientific Name: <i>Oncorhynchus clarkii henshawi</i>	Common Name: Lahontan cutthroat trout
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: AFS_TH-Threatened
CNDDDB Element Ranks:	
Global: G4T3	
State: S2	

General Habitat: HISTORICALLY IN ALL ACCESSIBLE COLD WATERS OF THE LAHONTAN BASIN IN A WIDE VARIETY OF WATER TEMPS AND CONDITIONS.	Micro Habitat: CANNOT TOLERATE PRESENCE OF OTHER SALMONIDS. REQUIRES GRAVEL RIFFLES IN STREAMS FOR SPAWNING.
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Last Date Observed: 1995-XX-XX	Occurrence Type: Transplant Outside of Native Hab./Range
Last Survey Date: 1995-XX-XX	Occurrence Rank: Fair
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
MARSHALL CANYON CREEK AND PART OF PACIFIC CREEK. APPROXIMATELY 4.5 MILES SOUTHWEST OF EBBETTS PASS, ALPINE COUNTY.

Detailed Location:
MARSHALL CANYON CREEK IS A TRIBUTARY TO PACIFIC CREEK, TO NORTH FORK MOKELUMNE RIVER.

Ecological:
HIGH MONTANE CREEK.

Threats:
HYBRIDIZATION AND COMPETITION FROM OTHER SALMONIDS DOWNSTREAM.

General:

PLSS: T08N, R19E (M)	Accuracy: specific area	Area (acres): 182
UTM: Zone-11 N4264779 E248291	Latitude/Longitude: 38.49584 / -119.88619	Elevation (feet): 8,000

County Summary:	Quad Summary:
Alpine	Dardanelles Cone (3811947), Spicer Meadows Res. (3811948), Ebbetts Pass (3811957), Pacific Valley (3811958)

Sources:

GER85R0001	GERSTUNG, E. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FISHERY MANAGEMENT PLAN FOR LAHONTAN CUTTHROAT TROUT (SALMO CLARKI HEWSHAWI) IN CALIFORNIA AND WESTERN NEVADA WATERS. 1985-01-XX
SOM96U0001	SOMER, W.L. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MEMO TO D. DRAKE, SUBJECT: "SENSITIVE SPECIES INFORMATION FOR CDF FIRE PLAN." 1996-04-15



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 34039	EO Index: 17764	
Key Quad: Ebbetts Pass (3811957)	Element Code: AFCHA02081	
Occurrence Number: 27	Occurrence Last Updated: 1996-09-09	

Scientific Name: <i>Oncorhynchus clarkii henshawi</i>	Common Name: Lahontan cutthroat trout
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: AFS_TH-Threatened
CNDDB Element Ranks:	
Global: G4T3	
State: S2	

General Habitat: HISTORICALLY IN ALL ACCESSIBLE COLD WATERS OF THE LAHONTAN BASIN IN A WIDE VARIETY OF WATER TEMPS AND CONDITIONS.	Micro Habitat: CANNOT TOLERATE PRESENCE OF OTHER SALMONIDS. REQUIRES GRAVEL RIFFLES IN STREAMS FOR SPAWNING.
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Last Date Observed: 1993-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1993-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
BULL LAKE, 3.6 MILES SOUTHEAST OF EBBETTS PASS (HIGHWAY 4).

Detailed Location:
BULL LAKE, ALSO THEY SPAWN IN INLET CREEK.

Ecological:
HIGH MONTANE LAKE.

Threats:
HYBRIDIZATION, SLIGHTLY MIXED WITH RAINBOW & PAIUTE CUTTHROAT TROUTS.

General:
USFWS PERSONNEL VERIFIED CONTINUED PRESENCE OF CT-L IN 1993.

PLSS: T08N, R20E, Sec. 26, NW (M)	Accuracy: non-specific area	Area (acres): 6
UTM: Zone-11 N4266905 E259913	Latitude/Longitude: 38.51818 / -119.75381	Elevation (feet): 8,620

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:
SOM96U0001 SOMER, W.L. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MEMO TO D. DRAKE, SUBJECT: "SENSITIVE SPECIES INFORMATION FOR CDF FIRE PLAN." 1996-04-15



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 34040	EO Index: 4165	
Key Quad: Heenan Lake (3811966)	Element Code: AFCHA02081	
Occurrence Number: 28	Occurrence Last Updated: 1996-09-09	

Scientific Name: <i>Oncorhynchus clarkii henshawi</i>	Common Name: Lahontan cutthroat trout
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: AFS_TH-Threatened
CNDDB Element Ranks:	
Global: G4T3	
State: S2	

General Habitat: HISTORICALLY IN ALL ACCESSIBLE COLD WATERS OF THE LAHONTAN BASIN IN A WIDE VARIETY OF WATER TEMPS AND CONDITIONS.	Micro Habitat: CANNOT TOLERATE PRESENCE OF OTHER SALMONIDS. REQUIRES GRAVEL RIFFLES IN STREAMS FOR SPAWNING.
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Last Date Observed: 1996-06-05	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1996-06-05	Occurrence Rank: Unknown
Owner/Manager: DFG-HEENAN LAKE WA	Trend: Unknown
Presence: Presumed Extant	

Location:
HEENAN LAKE, 0.1 MILE SOUTH FROM HIGHWAY 89 AND 3.2 MILES EAST FROM HIGHWAY 4 (AND THE EAST CARSON RIVER).

Detailed Location:
HEENAN LAKE, HISTORICALLY IN HEENAN CREEK (THESE FISH MAY HAVE BEEN SLIGHTLY INTROGRESSED WITH RAINBOW) AND IN HIGH FLOW YEARS THEY ESCAPE DOWNSTREAM INTO MONITOR CREEK (IT IS BELIEVED THAT MOST OF THESE FISH ARE CAUGHT BY ANGLERS).

Ecological:
OPEN, HIGH MOUNTAIN RESERVOIR (USED AS A BROOD STOCK LAKE).

Threats:
GRAZING, POOR WATER QUALITY (LOW WATER LEVELS AND HIGH TEMPERATURES) IN DROUGHT YEARS.

General:
HEENAN CREEK POPULATION WAS OBSERVED BY R. WICKWIRE. THOUGHT TO BE EXTIRPATED BY RECENT DROUGHT AND BELIEVED TO BE CARSON RIVER STRAIN. THE FISH IN THE LAKE ARE INDEPENDENCE LAKE STRAIN & ARE SPAWNED YEARLY BY AMERICAN RIVER HATCHERY STAFF.

PLSS: T09N, R21E, Sec. 03 (M)	Accuracy: specific area	Area (acres): 174
UTM: Zone-11 N4281380 E269053	Latitude/Longitude: 38.65091 / -119.65387	Elevation (feet): 7,084

County Summary: Alpine	Quad Summary: Heenan Lake (3811966)
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Sources:

HUN96U0001	HUNERLACH, R. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - PERSONAL COMMUNICATIONS REGARDING SPAWNING OF HEENAN LAKE LAHONTAN CUTTHROAT TROUT. 1996-07-10
SOM96U0001	SOMER, W.L. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MEMO TO D. DRAKE, SUBJECT: "SENSITIVE SPECIES INFORMATION FOR CDF FIRE PLAN." 1996-04-15



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 34042	EO Index: 7447
Key Quad: Ebbetts Pass (3811957)	Element Code: AFCHA02081
Occurrence Number: 29	Occurrence Last Updated: 1996-07-17

Scientific Name: <i>Oncorhynchus clarkii henshawi</i>	Common Name: Lahontan cutthroat trout
Listing Status:	Rare Plant Rank:
Federal: Threatened	
State: None	Other Lists: AFS_TH-Threatened
CNDDB Element Ranks:	
Global: G4T3	
State: S2	

General Habitat: HISTORICALLY IN ALL ACCESSIBLE COLD WATERS OF THE LAHONTAN BASIN IN A WIDE VARIETY OF WATER TEMPS AND CONDITIONS.	Micro Habitat: CANNOT TOLERATE PRESENCE OF OTHER SALMONIDS. REQUIRES GRAVEL RIFFLES IN STREAMS FOR SPAWNING.
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Last Date Observed: 1995-XX-XX	Occurrence Type: Transplant Outside of Native Hab./Range
Last Survey Date: 1995-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
MILK RANCH CREEK, 1.4 MILES SOUTH OF HIGHWAY 4 AND EBBETTS PASS, TIRBUTARTY TO NORTH FORK MOKELUMNE RIVER.

Detailed Location:
MILK RANCH CREEK FROM MILK RANCH MEADOW TO MOUTH (CONFLUENCE OF MOKELUMNE RIVER).

Ecological:
ALPINE STREAM.

Threats:
General:

1995 SUMMER SURVEY DONE BY USFS(E. GRESTUNG PERS).

PLSS: T08N, R20E, Sec. 30 (M)	Accuracy: specific area	Area (acres): 107
UTM: Zone-11 N4266666 E254187	Latitude/Longitude: 38.51447 / -119.81932	Elevation (feet): 8,140

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:
SOM96U0001 SOMER, W.L. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MEMO TO D. DRAKE, SUBJECT: "SENSITIVE SPECIES INFORMATION FOR CDF FIRE PLAN." 1996-04-15



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B3518	EO Index: 117165
Key Quad: Markleeville (3811967)	Element Code: AFCHA03060
Occurrence Number: 14	Occurrence Last Updated: 2019-10-16

Scientific Name: <i>Prosopium williamsoni</i>	Common Name: mountain whitefish
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat:	Micro Habitat:
<input type="checkbox"/>	<input type="checkbox"/>

Last Date Observed: 2003-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS, UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
HOT SPRINGS CREEK, MARKLEEVILLE CREEK, AND EAST FORK CARSON RIVER, NEAR THE TOWN OF MARKLEEVILLE.

Detailed Location:
MAPPED TO ABOUT 5 MILES OF HOT SPRINGS/MARKLEEVILLE CREEKS FROM GROVER HOT SPRINGS DOWNSTREAM TO E FK CARSON RIVER, AND TO ABOUT 5 MILES OF E FK CARSON RIVER FROM BULLION DOWNSTREAM TO MARKLEEVILLE CREEK.

Ecological:
Threats:

General:
COLLECTED IN 1931. DETECTED DURING ELECTROFISHING SURVEYS IN THIS GENERAL VICINITY IN 1983, 1987, 1988, 1993, 1994, 1995, 1996, AND 2001. 3 CAUGHT BY ANGLERS NEAR HANGMANS BRIDGE IN 2003.

PLSS: T10N, R20E, Sec. 22 (M)	Accuracy: non-specific area	Area (acres): 687
UTM: Zone-11 N4287078 E259482	Latitude/Longitude: 38.69964 / -119.76572	Elevation (feet): 5,500

County Summary:	Quad Summary:
Alpine	Heenan Lake (3811966), Markleeville (3811967)

Sources:

CAL15D0001	CALIFORNIA HERITAGE AND WILD TROUT PROGRAM (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - CALIFORNIA HERITAGE AND WILD TROUT PROGRAM DEPLETION ELECTROFISH SURVEY DATA 1975-2012 2015-12-03
DFG03U0004	CALIFORNIA DEPARTMENT OF FISH AND GAME - 2003 ANGLER SURVEY BOX DATA SUMMARIES FOR EAST FORK CARSON RIVER 2003-XX-XX
TAF31S0006	TAFT, A. - CAS #209462 COLLECTED FROM CARSON RIVER, MARKLEEVILLE 1931-07-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B4242	EO Index: 117169
Key Quad: Carters Station (3811976)	Element Code: AFCHA03060
Occurrence Number: 15	Occurrence Last Updated: 2019-10-18

Scientific Name: <i>Prosopium williamsoni</i>	Common Name: mountain whitefish
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat:	Micro Habitat:
<input type="checkbox"/>	<input type="checkbox"/>

Last Date Observed: 2008-08-26	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-08-26	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
EAST FORK CARSON RIVER, FROM THE CA/NV STATE LINE TO ABOUT 4 MILES UPSTREAM OF BORDER, HUMBOLDT-TOIYABE NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

1 CAUGHT BY AN ANGLER IN THE LOWER CANYON OF EAST FORK CARSON RIVER IN 2003. 1 CAUGHT ALONG THIS SECTION OF RIVER ON 26 AUG 2008.

PLSS: T11N, R20E, Sec. 34 (M)	Accuracy: non-specific area	Area (acres): 308
UTM: Zone-11 N4294671 E264134	Latitude/Longitude: 38.76925 / -119.71486	Elevation (feet): 5,200

County Summary:	Quad Summary:
Alpine	Carters Station (3811976)

Sources:

DFG03U0004	CALIFORNIA DEPARTMENT OF FISH AND GAME - 2003 ANGLER SURVEY BOX DATA SUMMARIES FOR EAST FORK CARSON RIVER 2003-XX-XX
WEA08R0003	WEAVER, J. & S. MEHALICK (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - EAST FORK CARSON SUMMARY REPORT, 2008 2008-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	B4301	EO Index:	117196
Key Quad:	Ebbetts Pass (3811957)	Element Code:	AFCHA03060
Occurrence Number:	16	Occurrence Last Updated:	2019-10-23

Scientific Name:	<i>Prosopium williamsoni</i>	Common Name:	mountain whitefish
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDDB Element Ranks:	Global: G5 State: S3	Other Lists:	CDFW_SSC-Species of Special Concern

General Habitat:	<input type="checkbox"/>	Micro Habitat:	<input type="checkbox"/>
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Last Date Observed:	1983-10-28	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	1995-11-01	Occurrence Rank:	Unknown
Owner/Manager:	USFS-HUMBOLDT-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
SILVER CREEK, HUMBOLDT-TOIYABE NATIONAL FOREST.

Detailed Location:
LOCATION OF DETECTION IS UNKNOWN. MAPPED BY CNDDDB NON-SPECIFICALLY ALONG 5 MILES OF SILVER CREEK FROM SILVER CREEK CAMPGROUND DOWNSTREAM TO THE CONFLUENCE WITH EAST FORK CARSON RIVER.

Ecological:
Threats:

General:
DETECTED SOMEWHERE ALONG SILVER CREEK DURING AN ELECTROFISHING SURVEY ON 28 OCT 1983. NONE FOUND DURING A SUBSEQUENT ELECTROFISHING SURVEY ON 1 NOV 1995.

PLSS: T09N, R20E, Sec. 22 (M)	Accuracy: non-specific area	Area (acres): 332
UTM: Zone-11 N4277645 E259816	Latitude/Longitude: 38.61483 / -119.75862	Elevation (feet): 6,300

County Summary:	Quad Summary:
Alpine	Wolf Creek (3811956), Ebbetts Pass (3811957), Heenan Lake (3811966)

Sources:
CAL15D0001 CALIFORNIA HERITAGE AND WILD TROUT PROGRAM (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - CALIFORNIA HERITAGE AND WILD TROUT PROGRAM DEPLETION ELECTROFISH SURVEY DATA 1975-2012 2015-12-03



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B4302	EO Index: 117229
Key Quad: Wolf Creek (3811956)	Element Code: AFCHA03060
Occurrence Number: 17	Occurrence Last Updated: 2019-10-24

Scientific Name: <i>Prosopium williamsoni</i>	Common Name: mountain whitefish
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat:	Micro Habitat:
<input type="checkbox"/>	<input type="checkbox"/>

Last Date Observed: 1994-09-28	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1994-09-28	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
WOLF CREEK, NEAR ITS CONFLUENCE WITH THE CARSON RIVER, HUMBOLDT-TOIYABE NATIONAL FOREST.

Detailed Location:
LOCALITY DESCRIBED AS "WOLF CREEK" AS WELL AS "WOLF CREEK AT CARSON." MAPPED BY CNDDDB ALONG THE LOWER 1 MILE OF WOLF CREEK.

Ecological:

Threats:

General:

DETECTED IN THIS VICINITY DURING AN ELECTROFISHING SURVEY ON 28 SEP 1994.

PLSS: T09N, R21E, Sec. 20, SE (M)	Accuracy: non-specific area	Area (acres): 84
UTM: Zone-11 N4276661 E265736	Latitude/Longitude: 38.60755 / -119.69037	Elevation (feet): 6,160

County Summary:	Quad Summary:
Alpine	Wolf Creek (3811956)

Sources:
CAL15D0001 CALIFORNIA HERITAGE AND WILD TROUT PROGRAM (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - CALIFORNIA HERITAGE AND WILD TROUT PROGRAM DEPLETION ELECTROFISH SURVEY DATA 1975-2012 2015-12-03



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B3514	EO Index: 115431
Key Quad: Woodfords (3811977)	Element Code: AFCJC02160
Occurrence Number: 15	Occurrence Last Updated: 2019-08-02

Scientific Name: <i>Catostomus platyrhynchus</i>	Common Name: mountain sucker
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: RESTRICTED TO THE LAHONTAN DRAINAGE SYSTEM.	Micro Habitat: GENERALLY OCCUPY POOL-LIKE HABITATS. ABUNDANCE GREATEST IN AREAS WITH DENSE COVER.
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Last Date Observed: 1995-10-16	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-10-28	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
WEST FORK CARSON RIVER IN WEST CARSON CANYON, HUMBOLDT-TOIYABE NATIONAL FOREST.

Detailed Location:
LOCATION DESCRIBED AS WEST FORK OF THE CARSON RIVER, 38.77624, -119.87482. COORDINATES DON'T FALL RIGHT ALONG THE RIVER. MAPPED BY CNDDDB ALONG THE LENGTH IN WEST CARSON CANYON BETWEEN SORESENS AND WOODFORDS.

Ecological:
C. TAHOENSIS DETECTED HERE ON SURVEYS IN 1989, 1991, 1993, 1994, 1995, 1996, AND 2005,

Threats:
General:
DETECTED IN THIS VICINITY DURING ELECTROFISHING SURVEYS ON 27 SEP 1994 AND 16 OCT 1995.

PLSS: T11N, R19E, Sec. 32 (M)	Accuracy: non-specific area	Area (acres): 337
UTM: Zone-11 N4295324 E250369	Latitude/Longitude: 38.77134 / -119.87336	Elevation (feet): 6,400

County Summary: Alpine	Quad Summary: Woodfords (3811977), Freel Peak (3811978)
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Sources:
CAL15D0001 CALIFORNIA HERITAGE AND WILD TROUT PROGRAM (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - CALIFORNIA HERITAGE AND WILD TROUT PROGRAM DEPLETION ELECTROFISH SURVEY DATA 1975-2012 2015-12-03



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B3518	EO Index: 115434
Key Quad: Markleeville (3811967)	Element Code: AFCJC02160
Occurrence Number: 16	Occurrence Last Updated: 2019-08-02

Scientific Name: <i>Catostomus platyrhynchus</i>	Common Name: mountain sucker
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern
CNDDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: RESTRICTED TO THE LAHONTAN DRAINAGE SYSTEM.	Micro Habitat: GENERALLY OCCUPY POOL-LIKE HABITATS. ABUNDANCE GREATEST IN AREAS WITH DENSE COVER.
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Last Date Observed: 1995-10-18	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-08-29	Occurrence Rank: Unknown
Owner/Manager: USFS, UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
HOT SPRINGS CREEK, MARKLEEVILLE CREEK, AND EAST FORK CARSON RIVER, NEAR THE TOWN OF MARKLEEVILLE.

Detailed Location:
MAPPED TO ABOUT 5 MILES OF HOT SPRINGS/MARKLEEVILLE CREEKS FROM GROVER HOT SPRINGS DOWNSTREAM TO E FK CARSON RIVER, AND TO ABOUT 5 MILES OF E FK CARSON RIVER FROM BULLION DOWNSTREAM TO MARKLEEVILLE CREEK.

Ecological:
Threats:

General:
DETECTED DURING ELECTROFISHING SURVEYS IN THIS GENERAL VICINITY IN 1983, 1987, 1988, 1993, 1994, AND 1995.

PLSS: T10N, R20E, Sec. 22 (M)	Accuracy: non-specific area	Area (acres): 687
UTM: Zone-11 N4287078 E259482	Latitude/Longitude: 38.69964 / -119.76572	Elevation (feet): 5,500

County Summary: Alpine	Quad Summary: Heenan Lake (3811966), Markleeville (3811967)
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Sources:
CAL15D0001 CALIFORNIA HERITAGE AND WILD TROUT PROGRAM (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - CALIFORNIA HERITAGE AND WILD TROUT PROGRAM DEPLETION ELECTROFISH SURVEY DATA 1975-2012 2015-12-03



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 62684	EO Index: 62721
Key Quad: Freel Peak (3811978)	Element Code: AMACC01090
Occurrence Number: 18	Occurrence Last Updated: 2005-09-22

Scientific Name: <i>Myotis thysanodes</i>	Common Name: fringed myotis
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists:
CNDDDB Element Ranks:	BLM_S-Sensitive
Global: G4	IUCN_LC-Least Concern
State: S3	USFS_S-Sensitive
	WBWG_H-High Priority

General Habitat: IN A WIDE VARIETY OF HABITATS, OPTIMAL HABITATS ARE PINYON-JUNIPER, VALLEY FOOTHILL HARDWOOD & HARDWOOD-CONIFER.	Micro Habitat: USES CAVES, MINES, BUILDINGS OR CREVICES FOR MATERNITY COLONIES AND ROOSTS.
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Last Date Observed: 2002-06-25	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2002-06-25	Occurrence Rank: Excellent
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
ALONG MEADOW CREEK, ABOUT 0.8 MILE NORTHWEST OF SCOTTS LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:
ASPEN RIPARIAN CORRIDOR, STREAM HAS POOLS. WILLOW THICKETS ALSO PRESENT.

Threats:
MOUNTAIN BIKE TRAIL NEARBY.

General:
1 NON-BREEDING ADULT DETECTED 25 JUN 2002.

PLSS: T11N, R18E, Sec. 27, NE (M)	Accuracy: 1/10 mile	Area (acres): 0
UTM: Zone-11 N4295702 E241239	Latitude/Longitude: 38.77211 / -119.97845	Elevation (feet): 7,875

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:
MCK02F0004 MCKENZIE, M. (U.S. FOREST SERVICE) - FIELD SURVEY FORM FOR MYOTIS THYSANODES 2002-06-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 68617	EO Index: 69003	
Key Quad: Caples Lake (3812061)	Element Code: AMACC01110	
Occurrence Number: 95	Occurrence Last Updated: 2007-03-21	

Scientific Name: <i>Myotis volans</i>	Common Name: long-legged myotis
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern WBWG_H-High Priority
CNDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: MOST COMMON IN WOODLAND AND FOREST HABITATS ABOVE 4000 FT. TREES ARE IMPORTANT DAY ROOSTS; CAVES AND MINES ARE NIGHT ROOSTS.	Micro Habitat: NURSERY COLONIES USUALLY UNDER BARK OR IN HOLLOW TREES, BUT OCCASIONALLY IN CREVICES OR BUILDINGS.
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Last Date Observed: 2001-08-02	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-08-02	Occurrence Rank: Good
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
EL DORADO NATIONAL FOREST, VICINITY OF MEISS LAKE, ROUND LAKE, AND EL DORADO/ALPINE COUNTY LINE.

Detailed Location:
PLOT ID H2 C. MAPPED IN SECTION 4 ACCORDING TO T-R-S DATA PROVIDED BY SOURCE.

Ecological:
MEDIUM POND.

Threats:
CATTLE GRAZING.

General:
SITE SURVEYED 7 JUL, 2 & 21 AUG, 8 & 14 SEP. 2001. 1 MALE OBSERVED ON 2 AUG 2001.

PLSS: T10N, R18E, Sec. 04 (M)	Accuracy: non-specific area	Area (acres): 698
UTM: Zone-10 N4292412 E760052	Latitude/Longitude: 38.74213 / -120.00792	Elevation (feet): 8,500

County Summary: Alpine, El Dorado	Quad Summary: Carson Pass (3811968), Freel Peak (3811978), Caples Lake (3812061), Echo Lake (3812071)
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Sources:
ANONDU0069 ANONYMOUS - OBSERVATIONS OR CAPTURE RECORDS FOR ANTROZOUS PALLIDUS, MYOTIS THYSANODES & MYOTIS VOLANS. XXXX-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 60984	EO Index: 61020
Key Quad: Markleeville (3811967)	Element Code: AMACC02010
Occurrence Number: 12	Occurrence Last Updated: 2005-04-15

Scientific Name: <i>Lasionycteris noctivagans</i>	Common Name: silver-haired bat
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern WBWG_M-Medium Priority
CNDDB Element Ranks:	
Global: G5	
State: S3S4	

General Habitat: PRIMARILY A COASTAL AND MONTANE FOREST DWELLER, FEEDING OVER STREAMS, PONDS & OPEN BRUSHY AREAS.	Micro Habitat: ROOSTS IN HOLLOW TREES, BENEATH EXFOLIATING BARK, ABANDONED WOODPECKER HOLES, AND RARELY UNDER ROCKS. NEEDS DRINKING WATER.
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Last Date Observed: 1947-08-27	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1947-08-27	Occurrence Rank: Unknown
Owner/Manager: UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
MARKLEEVILLE.

Detailed Location:
EXACT LOCATION NOT KNOWN. MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY MANIS WITH AN UNCERTAINTY OF 322 METERS (ABOUT 0.20 MILES).

Ecological:

Threats:

General:

ONE MALE SPECIMEN COLLECTED 27 AUG 1947 BY W. RUSSELL AT "MARKLEEVILLE" (MVZ #107376).

PLSS: T10N, R20E, Sec. 21 (M)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N4286691 E258094	Latitude/Longitude: 38.69578 / -119.78152	Elevation (feet): 5,550

County Summary: Alpine	Quad Summary: Markleeville (3811967)
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Sources:
MAN04S0022 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS) - PRINTOUT OF LASIONYCTERIS NOCTIVAGANS SPECIMEN RECORDS FROM MANIS. INCLUDES RECORDS FROM LACM, CAS, MSB & MVZ. 2004-12-10



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 70027	EO Index: 70880
Key Quad: Carson Pass (3811968)	Element Code: AMAEA0102L
Occurrence Number: 87	Occurrence Last Updated: 2007-09-25

Scientific Name: <i>Ochotona princeps schisticeps</i>	Common Name: gray-headed pika
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_NT-Near Threatened
CNDDB Element Ranks:	
Global: G5T2T4	
State: S2S4	

General Habitat: MOUNTAINOUS AREAS, GENERALLY AT HIGHER ELEVATIONS, OFTEN ABOVE THE TREELINE UP TO THE LIMIT OF VEGETATION. AT LOWER ELEVATIONS FOUND IN ROCKY AREAS WITHIN FORESTS OR NEAR LAKES.	Micro Habitat: TALUS SLOPES, OCCASIONALLY ON MINE TAILINGS. PREFERS TALUS-MEADOW INTERFACE.
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Last Date Observed: 1956-09-17	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1956-09-17	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
CRATER LAKE.

Detailed Location:
MAPPED ACCORDING TO COORDINATES PROVIDED BY MANIS.

Ecological:

Threats:

General:

ON 17 SEP 1956, K. POEHLMANN COLLECTED 1 MALE SPECIMEN (UMNH #14162).

PLSS: T10N, R18E, Sec. 11 (M)	Accuracy: 4/5 mile	Area (acres): 0
UTM: Zone-11 N4290266 E241346	Latitude/Longitude: 38.72322 / -119.97519	Elevation (feet): 8,591

County Summary: Alpine	Quad Summary: Carson Pass (3811968)
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Sources:
MAN07S0005 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS) - PRINTOUT OF MUSEUM RECORDS FOR OCHOTONA PRINCEPS MUIRI. 2007-09-24



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 79833	EO Index: 80823	
Key Quad: Ebbetts Pass (3811957)	Element Code: AMAEA0102L	
Occurrence Number: 150	Occurrence Last Updated: 2010-09-02	

Scientific Name: <i>Ochotona princeps schisticeps</i>	Common Name: gray-headed pika
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_NT-Near Threatened
CNDDB Element Ranks:	
Global: G5T2T4	
State: S2S4	

General Habitat: MOUNTAINOUS AREAS, GENERALLY AT HIGHER ELEVATIONS, OFTEN ABOVE THE TREELINE UP TO THE LIMIT OF VEGETATION. AT LOWER ELEVATIONS FOUND IN ROCKY AREAS WITHIN FORESTS OR NEAR LAKES.	Micro Habitat: TALUS SLOPES, OCCASIONALLY ON MINE TAILINGS. PREFERS TALUS-MEADOW INTERFACE.
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Last Date Observed: 2005-06-23	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-06-23	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
0.2 MI SW OF EBBETTS PEAK, 9.3 MI SSW OF HWY 89 AT HWY 4, STANISLAUS NATIONAL FOREST.

Detailed Location:
CUMV SPECIMENS MAPPED TO PROVIDED COORDINATES. NMMNH SPECIMENS MAPPED GENERALLY TO STATED LOCATION, "EBBETTS PASS."

Ecological:

Threats:

General:
14 INDIVIDUALS (8 FEMALES, 6 UNKNOWN SEX) COLLECTED BY D.J. HAFNER & R.M. SULLIVAN ON 2 JUL 1988 (NMMNH #836-846). 3 INDIVIDUALS (1 MALE, 1 FEMALE, 1 UNKNOWN SEX) COLLECTED ON 23 JUNE 2005 BY K. GALBREATH (CUMV #20594 & 20683-4).

PLSS: T08N, R20E, Sec. 18, E (M)	Accuracy: 1/10 mile	Area (acres): 0
UTM: Zone-11 N4270137 E254566	Latitude/Longitude: 38.54581 / -119.81620	Elevation (feet): 8,900

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:

GAL05S0001	GALBREATH, K. - CUMV #20594 COLLECTED NEAR EBBETTS PASS 2005-06-23
GAL05S0002	GALBREATH, K. - CUMV #20683 COLLECTED NEAR EBBETTS PASS 2005-06-23
GAL05S0003	GALBREATH, K. - CUMV #20684 COLLECTED NEAR EBBETTS PASS 2005-06-23
HAF88S0001	HAFNER, D. - NMMNH #833, 834, 835, 836, 837, 838 & 839 COLLECTED NEAR EBBETTS PASS 1988-07-02
SUL88S0001	SULLIVAN, R. - PIKA SPECIMENS (NMMNH#S 840-6) COLLECTED BY R.M. SULLIVAN NEAR EBBETTS PASS 1988-07-02



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 80263	EO Index: 81242	
Key Quad: Freel Peak (3811978)	Element Code: AMAEA0102L	
Occurrence Number: 170	Occurrence Last Updated: 2010-10-05	

Scientific Name: <i>Ochotona princeps schisticeps</i>	Common Name: gray-headed pika
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_NT-Near Threatened
CNDDB Element Ranks:	
Global: G5T2T4	
State: S2S4	

General Habitat: MOUNTAINOUS AREAS, GENERALLY AT HIGHER ELEVATIONS, OFTEN ABOVE THE TREELINE UP TO THE LIMIT OF VEGETATION. AT LOWER ELEVATIONS FOUND IN ROCKY AREAS WITHIN FORESTS OR NEAR LAKES.	Micro Habitat: TALUS SLOPES, OCCASIONALLY ON MINE TAILINGS. PREFERS TALUS-MEADOW INTERFACE.
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Last Date Observed: 2007-11-18	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2007-11-18	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
1.6 MI E OF LUTHER PASS RD (HWY 89) AT CARSON PASS HWY (HWY 88), 2.3 MI W OF CARY PEAK, TOIYABE NF.

Detailed Location:
MAPPED TO PROVIDED COORDINATES AND LOCATION LISTED AS "CARSON PASS AREA, 1/2 MI W OF HORSETHIEF CYN TRLHD, SR 88, S-FACING SLOPE."

Ecological:
HABITAT CONSISTED OF GRANITE BASED "BOULDER STREAMS" (LANDFORMS CHARACTERIZED BY HIGHLY SORTED, SHATTERED, ANGULAR ROCKS OF CONSISTENT CLAST SIZE).

Threats:

General:
FRESH PELLETS AND URINE FOUND DURING A 30 MIN RAPID ASSESSMENT SURVEY. DATA NOTES "ABUNDANT PIKA, GRANARIES."

PLSS: T11N, R19E, Sec. 31, N (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4296072 E248964	Latitude/Longitude: 38.77767 / -119.88977	Elevation (feet): 6,782

County Summary: Alpine	Quad Summary: Freel Peak (3811978)
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Sources:
MIL09D0001 MILLAR, C. (U.S. FOREST SERVICE-PACIFIC SOUTHWEST RESEARCH STATION) - TABULAR DATA FOR PIKA SITES AND PELLET COLLECTIONS. DATA PUBLISHED IN ARCTIC, ANTARCTIC, & ALPINE RESEARCH, VOL 42, 2010, PP. 76-88. 2009-11-05



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 80264	EO Index: 81246	
Key Quad: Woodfords (3811977)	Element Code: AMAEA0102L	
Occurrence Number: 171	Occurrence Last Updated: 2010-10-05	

Scientific Name: <i>Ochotona princeps schisticeps</i>	Common Name: gray-headed pika
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_NT-Near Threatened
CNDDB Element Ranks:	
Global: G5T2T4	
State: S2S4	

General Habitat: MOUNTAINOUS AREAS, GENERALLY AT HIGHER ELEVATIONS, OFTEN ABOVE THE TREELINE UP TO THE LIMIT OF VEGETATION. AT LOWER ELEVATIONS FOUND IN ROCKY AREAS WITHIN FORESTS OR NEAR LAKES.	Micro Habitat: TALUS SLOPES, OCCASIONALLY ON MINE TAILINGS. PREFERS TALUS-MEADOW INTERFACE.
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Last Date Observed: 2007-08-11	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2007-08-11	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
1 MI S OF CARY PEAK, 1.5 MI W OF STATE ROUTE 89 AT CARSON PASS HWY (SR 88), TOIYABE NF.

Detailed Location:
MAPPED TO PROVIDED COORDINATES AND LOCATION LISTED AS "CARSON PASS AREA, 1 MI W OF WOODFORDS; CRYSTAL SPG RD, SR 88, N-FACING SLOPE"

Ecological:
HABITAT CONSISTED OF GRANITE BASED "BOULDER STREAMS" (LANDFORMS CHARACTERIZED BY HIGHLY SORTED, SHATTERED, ANGULAR ROCKS OF CONSISTENT CLAST SIZE).

Threats:

General:
FRESH PELLETS AND URINE FOUND DURING A 30 MIN RAPID ASSESSMENT SURVEY. DATA NOTES "ABUNDANT PIKA, GRANARIES."

PLSS: T10N, R19E, Sec. 01, NW (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4294500 E252479	Latitude/Longitude: 38.76452 / -119.84880	Elevation (feet): 5,993

County Summary: Alpine	Quad Summary: Woodfords (3811977)
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Sources:
MIL09D0001 MILLAR, C. (U.S. FOREST SERVICE-PACIFIC SOUTHWEST RESEARCH STATION) - TABULAR DATA FOR PIKA SITES AND PELLET COLLECTIONS. DATA PUBLISHED IN ARCTIC, ANTARCTIC, & ALPINE RESEARCH, VOL 42, 2010, PP. 76-88. 2009-11-05



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 80266	EO Index: 81250	
Key Quad: Carson Pass (3811968)	Element Code: AMAEA0102L	
Occurrence Number: 172	Occurrence Last Updated: 2010-10-05	

Scientific Name: <i>Ochotona princeps schisticeps</i>	Common Name: gray-headed pika
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_NT-Near Threatened
CNDDB Element Ranks:	
Global: G5T2T4	
State: S2S4	

General Habitat: MOUNTAINOUS AREAS, GENERALLY AT HIGHER ELEVATIONS, OFTEN ABOVE THE TREELINE UP TO THE LIMIT OF VEGETATION. AT LOWER ELEVATIONS FOUND IN ROCKY AREAS WITHIN FORESTS OR NEAR LAKES.	Micro Habitat: TALUS SLOPES, OCCASIONALLY ON MINE TAILINGS. PREFERS TALUS-MEADOW INTERFACE.
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Last Date Observed: 2008-08-13	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-08-13	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
IN THE VICINITY OF ELEPHANTS BACK, 1.5 MI NE OF ROUND TOP, BORDER OF EL DORADO AND TOIYABE NATIONAL FORESTS.

Detailed Location:
MAPPED TO PROVIDED COORDINATES AND LOCATION LISTED AS "CARSON PASS, ELEPHANT'S HEAD, VOLCANIC BRECCIA SLOPES OF PK."

Ecological:
HABITAT CONSISTED OF DARK VOLCANIC BASED "BOULDER STREAMS" (LANDFORMS CHARACTERIZED BY HIGHLY SORTED, SHATTERED, ANGULAR ROCKS OF CONSISTENT CLAST SIZE). M. FLAVIVENTRIS SCAT WAS ALSO FOUND.

Threats:

General:
PIKA WERE OBSERVED AT 3 SITES ALONG WITH FRESH PELLETS, URINE, AND HAYPILES.

PLSS: T10N, R18E, Sec. 27, SE (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4285590 E240410	Latitude/Longitude: 38.68086 / -119.98419	Elevation (feet): 9,260

County Summary:	Quad Summary:
Alpine	Carson Pass (3811968)

Sources:
MIL09D0001 MILLAR, C. (U.S. FOREST SERVICE-PACIFIC SOUTHWEST RESEARCH STATION) - TABULAR DATA FOR PIKA SITES AND PELLET COLLECTIONS. DATA PUBLISHED IN ARCTIC, ANTARCTIC, & ALPINE RESEARCH, VOL 42, 2010, PP. 76-88. 2009-11-05



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 80270	EO Index: 81258	
Key Quad: Carson Pass (3811968)	Element Code: AMAEA0102L	
Occurrence Number: 173	Occurrence Last Updated: 2010-10-05	

Scientific Name: <i>Ochotona princeps schisticeps</i>	Common Name: gray-headed pika
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_NT-Near Threatened
CNDDB Element Ranks:	
Global: G5T2T4	
State: S2S4	

General Habitat: MOUNTAINOUS AREAS, GENERALLY AT HIGHER ELEVATIONS, OFTEN ABOVE THE TREELINE UP TO THE LIMIT OF VEGETATION. AT LOWER ELEVATIONS FOUND IN ROCKY AREAS WITHIN FORESTS OR NEAR LAKES.	Micro Habitat: TALUS SLOPES, OCCASIONALLY ON MINE TAILINGS. PREFERS TALUS-MEADOW INTERFACE.
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Last Date Observed: 2007-11-18	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2007-11-18	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
1.7 MI NW OF MARKLEEVILLE PEAK, 5.3 MI SSE OF CARSON PASS HWY (88) AT BLUE LAKES RD, TOIYABE NF.

Detailed Location:
MAPPED TO PROVIDED COORDINATES AND LOCATION LISTED AS "CARSON PASS AREA, ABOVE FAITH VALLEY, BLUE LK RD, ASPEN CAMP."

Ecological:
HABITAT CONSISTED OF VOLCANIC BASED "BOULDER STREAMS" (LANDFORMS CHARACTERIZED BY HIGHLY SORTED, SHATTERED, ANGULAR ROCKS OF CONSISTENT CLAST SIZE).

Threats:
General:
FRESH PELLETS, URINE, AND HAYPILES FOUND DURING A 30 MIN RAPID ASSESSMENT SURVEY. DATA NOTES "W-FACING SLOPE, ABUNDANT ACTIVE PIKA SIGN; GRANARIES."

PLSS: T10N, R19E, Sec. 31, NW (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4284755 E245562	Latitude/Longitude: 38.67484 / -119.92473	Elevation (feet): 7,761

County Summary: Alpine	Quad Summary: Carson Pass (3811968)
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Sources:
MIL09D0001 MILLAR, C. (U.S. FOREST SERVICE-PACIFIC SOUTHWEST RESEARCH STATION) - TABULAR DATA FOR PIKA SITES AND PELLET COLLECTIONS. DATA PUBLISHED IN ARCTIC, ANTARCTIC, & ALPINE RESEARCH, VOL 42, 2010, PP. 76-88. 2009-11-05



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 80301	EO Index: 81257
Key Quad: Heenan Lake (3811966)	Element Code: AMAEA0102L
Occurrence Number: 174	Occurrence Last Updated: 2010-10-06

Scientific Name: <i>Ochotona princeps schisticeps</i>	Common Name: gray-headed pika
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_NT-Near Threatened
CNDDB Element Ranks:	
Global: G5T2T4	
State: S2S4	

General Habitat: MOUNTAINOUS AREAS, GENERALLY AT HIGHER ELEVATIONS, OFTEN ABOVE THE TREELINE UP TO THE LIMIT OF VEGETATION. AT LOWER ELEVATIONS FOUND IN ROCKY AREAS WITHIN FORESTS OR NEAR LAKES.	Micro Habitat: TALUS SLOPES, OCCASIONALLY ON MINE TAILINGS. PREFERS TALUS-MEADOW INTERFACE.
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Last Date Observed: 2007-11-18	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2007-11-18	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
1 MI W LEVIATHAN PEAK, 5.4 MI ENE OF HWY 4 AT HWY 89 (VICINITY OF MONITOR PASS), TOIYABE NATIONAL PARK.

Detailed Location:
MAPPED TO PROVIDED COORDINATES AND LOCATION LISTED AS "MONITOR PASS RANGE, MONITOR PASS PLATEAU, FLAT INSELBERG/TOR."

Ecological:
HABITAT CONSISTED OF SMALL, DARK-VOLCANIC BASED TOR (ROCK OUTCROP) SURROUNDED BY SAGE FLATS.

Threats:
General:
FRESH PELLETS, URINE, AND HAYPILES FOUND DURING A 30 MIN RAPID ASSESSMENT SURVEY. DATA NOTES "ENORMOUSLY ABUNDANT, ACTIVE PIKA SITE."

PLSS: T10N, R21E, Sec. 25, SW (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4284729 E271248	Latitude/Longitude: 38.68162 / -119.62977	Elevation (feet): 8,329

County Summary: Alpine	Quad Summary: Heenan Lake (3811966)
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Sources:
MIL09D0001 MILLAR, C. (U.S. FOREST SERVICE-PACIFIC SOUTHWEST RESEARCH STATION) - TABULAR DATA FOR PIKA SITES AND PELLET COLLECTIONS. DATA PUBLISHED IN ARCTIC, ANTARCTIC, & ALPINE RESEARCH, VOL 42, 2010, PP. 76-88. 2009-11-05



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 80303	EO Index: 81277	
Key Quad: Heenan Lake (3811966)	Element Code: AMAEA0102L	
Occurrence Number: 175	Occurrence Last Updated: 2010-10-06	

Scientific Name: <i>Ochotona princeps schisticeps</i>	Common Name: gray-headed pika
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_NT-Near Threatened
CNDDB Element Ranks:	
Global: G5T2T4	
State: S2S4	

General Habitat:	Micro Habitat:
MOUNTAINOUS AREAS, GENERALLY AT HIGHER ELEVATIONS, OFTEN ABOVE THE TREELINE UP TO THE LIMIT OF VEGETATION. AT LOWER ELEVATIONS FOUND IN ROCKY AREAS WITHIN FORESTS OR NEAR LAKES.	TALUS SLOPES, OCCASIONALLY ON MINE TAILINGS. PREFERS TALUS-MEADOW INTERFACE.

Last Date Observed: 2008-08-16	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-08-16	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
1.4 MI SW OF LEVIATHAN PEAK, 5.4 MI E OF HWY 4 AT HWY 89 (VICINITY OF MONITOR PASS), TOIYABE NATIONAL PARK.

Detailed Location:
MAPPED TO PROVIDED COORDINATES AND LOCATION LISTED AS "MONITOR PASS RANGE, SUMMIT PLATEAU, S OF SR 89, NEAR W EDGE SUMMIT REGION" AND "SR 89, NEAR W EDGE SUMMIT REGION"

Ecological:
HABITAT CONSISTED OF RED VOLCANIC BASED "BOULDER STREAMS" (LANDFORMS CHARACTERIZED BY HIGHLY SORTED, SHATTERED, ANGULAR ROCKS OF CONSISTENT CLAST SIZE).

Threats:

General:
FRESH PELLETS AND URINE FOUND DURING A 30 MIN RAPID ASSESSMENT SURVEY. DATA NOTES "ABUNDANT SIGN WITH PROCKS OPENLY EXPOSED."

PLSS: T10N, R21E, Sec. 36, SW (M)	Accuracy: specific area	Area (acres): 7
UTM: Zone-11 N4282973 E271500	Latitude/Longitude: 38.66588 / -119.62630	Elevation (feet): 8,331

County Summary:	Quad Summary:
Alpine	Topaz Lake (3811965), Heenan Lake (3811966)

Sources:
MIL09D0001 MILLAR, C. (U.S. FOREST SERVICE-PACIFIC SOUTHWEST RESEARCH STATION) - TABULAR DATA FOR PIKA SITES AND PELLET COLLECTIONS. DATA PUBLISHED IN ARCTIC, ANTARCTIC, & ALPINE RESEARCH, VOL 42, 2010, PP. 76-88. 2009-11-05



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 82037	EO Index: 83016
Key Quad: Carson Pass (3811968)	Element Code: AMAEA0102L
Occurrence Number: 234	Occurrence Last Updated: 2011-03-15

Scientific Name: <i>Ochotona princeps schisticeps</i>	Common Name: gray-headed pika
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_NT-Near Threatened
CNDDB Element Ranks:	
Global: G5T2T4	
State: S2S4	

General Habitat: MOUNTAINOUS AREAS, GENERALLY AT HIGHER ELEVATIONS, OFTEN ABOVE THE TREELINE UP TO THE LIMIT OF VEGETATION. AT LOWER ELEVATIONS FOUND IN ROCKY AREAS WITHIN FORESTS OR NEAR LAKES.	Micro Habitat: TALUS SLOPES, OCCASIONALLY ON MINE TAILINGS. PREFERS TALUS-MEADOW INTERFACE.
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Last Date Observed: 1974-10-09	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1974-10-09	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
1.2 MI SE OF ROUND TOP, ABOUT 3 MI S OF CARSON PASS, MOKELUME WILDERNESS.

Detailed Location:
MAPPED TO LOCATION STATED AS "3 MI SOUTH OF CARSON PASS."

Ecological:

Threats:

General:

EDWARD W. WEST COLLECTED 1 PIKA (UC DAVIS WILDLIFE FISHERIES #6244Z) ON 9 OCT 1974.

PLSS: T09N, R18E, Sec. 03 (M)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N4282195 E240003	Latitude/Longitude: 38.65019 / -119.98760	Elevation (feet): 7,570

County Summary: Alpine	Quad Summary: Carson Pass (3811968), Caples Lake (3812061)
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Sources:
UCD02S0001 UC DAVIS, MUSEUM OF WILDLIFE AND FISH BIOLOGY (UNIVERSITY OF CALIFORNIA, DAVIS) - OCHOTONA RECORDS 6244Z, 883, 2793, AND 3836. 2002-08-29



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 81753	EO Index: 82718
Key Quad: Pacific Valley (3811958)	Element Code: AMAEA0102L
Occurrence Number: 363	Occurrence Last Updated: 2011-08-23

Scientific Name: <i>Ochotona princeps schisticeps</i>	Common Name: gray-headed pika
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_NT-Near Threatened
CNDDB Element Ranks:	
Global: G5T2T4	
State: S2S4	

General Habitat: MOUNTAINOUS AREAS, GENERALLY AT HIGHER ELEVATIONS, OFTEN ABOVE THE TREELINE UP TO THE LIMIT OF VEGETATION. AT LOWER ELEVATIONS FOUND IN ROCKY AREAS WITHIN FORESTS OR NEAR LAKES.	Micro Habitat: TALUS SLOPES, OCCASIONALLY ON MINE TAILINGS. PREFERS TALUS-MEADOW INTERFACE.
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Last Date Observed: 2011-08-14	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2011-08-14	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
IN THE VICINITY OF GRANITE LAKE, 1.4 MI WSW OF UPPER BLUE LAKE DAM, ABOUT 5.2 MI SSE OF CARSON PASS.

Detailed Location:
MAPPED TO PROVIDED COORDINATES AND LOCATION LISTED AS "SLOPE ABOVE NW TIP OF GRANITE LAKE, OUTSIDE MOKELUMME WILDERNESS."

Ecological:

Threats:

General:

M. PETA FOUND AND COLLECTED FRESH SCAT 9 SEP 2010 IDENTIFIED TO PIKA BASED ON TRAINING BY D. WRIGHT. D. WRIGHT CONFIRMED PIKA SIGN (FRESH SCAT AND GREEN CUTTINGS) PRESENT DURING THE WEEK OF 14 AUG 2011.

PLSS: T09N, R18E, Sec. 23, NW (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4278926 E241924	Latitude/Longitude: 38.62133 / -119.96434	Elevation (feet): 8,800

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:

PET10F0007	PETTA, M. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR OCHOTONA PRINCEPS 2010-09-09
WRI11U0001	WRIGHT, D. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-REGION 2) - EMAIL REGARDING PIKA SIGN NEAR GRANIT LAKE, CARSON PASS AREA. 2011-08-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 44762	EO Index: 83038
Key Quad: Pacific Valley (3811958)	Element Code: AMAEA0102L
Occurrence Number: 366	Occurrence Last Updated: 2011-03-21

Scientific Name: <i>Ochotona princeps schisticeps</i>	Common Name: gray-headed pika
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_NT-Near Threatened
CNDDB Element Ranks:	
Global: G5T2T4	
State: S2S4	

General Habitat:	Micro Habitat:
MOUNTAINOUS AREAS, GENERALLY AT HIGHER ELEVATIONS, OFTEN ABOVE THE TREELINE UP TO THE LIMIT OF VEGETATION. AT LOWER ELEVATIONS FOUND IN ROCKY AREAS WITHIN FORESTS OR NEAR LAKES.	TALUS SLOPES, OCCASIONALLY ON MINE TAILINGS. PREFERS TALUS-MEADOW INTERFACE.

Last Date Observed: 1943-09-11	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1943-09-12	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
JUST E OF WHEELER PK, 4 MI W OF LOOKOUT PK, 4.3 MI NE OF MT REBA RD (HWY 207) AT EBBETTS PASS SCENIC BYWAY (HWY 4).

Detailed Location:
EXACT LOCATION UNK, MAPPED TO FIELD NOTE DESC. -CAMP "4 MI W OF LOOKOUT PEAK, 7900 FT," "AT THE HEAD OF THE STANISLAUS DRAINAGE," "ON THE DIVIDE SEPARATING THE STANISLAUS FROM THE MOKELUME RIVER-PACIFIC CREEK" W/ PIKA "IN ROCKS ABOVE CAMP."

Ecological:
HABITAT CONSISTED OF "AN AREA OF ROCKS OF LARGE TALUS TYPE AT THE BASE OF A SMALL GRANITE CLIFF. THE SLIDE WAS NO MORE THAN 50 FT ACROSS AND 20 FEET UP AND DOWN. THE ANIMAL BOUNDED FROM TWO LARGE BOULDERS PARTIALLY COVERED BY PRUNUS BRUSH."

Threats:

General:
A PIKA WAS HEARD BY A.H. MILLER AT DUSK ON 10 AND SEEN ON 11 SEP 1943. NOTES STATE THAT PIKA CALLS WERE OFTEN HEARD FROM THE CAMP LOCATION AT DUSK, DAWN, AND OCCASIONALLY NIGHT. SITE VISITED AGAIN ON 12 SEP 1943, BUT NO DETECTION WAS MADE.

PLSS: T08N, R18E, Sec. 25 (M)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N4267309 E243009	Latitude/Longitude: 38.51710 / -119.94762	Elevation (feet): 7,900

County Summary:	Quad Summary:
Alpine	Pacific Valley (3811958)

Sources:
MIL43U0001 MILLER, A. (MUSEUM OF VERTEBRATE ZOOLOGY) - SECTION 14 FROM JOURNAL AND CATALOG OF MILLER, A.H. FROM ALPINE CO., CALIF. SEPT. 1943 1943-09-12



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A4576	EO Index: 106268
Key Quad: Heenan Lake (3811966)	Element Code: AMAEA0102L
Occurrence Number: 370	Occurrence Last Updated: 2017-05-10

Scientific Name: <i>Ochotona princeps schisticeps</i>	Common Name: gray-headed pika
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_NT-Near Threatened
CNDDB Element Ranks:	
Global: G5T2T4	
State: S2S4	

General Habitat: MOUNTAINOUS AREAS, GENERALLY AT HIGHER ELEVATIONS, OFTEN ABOVE THE TREELINE UP TO THE LIMIT OF VEGETATION. AT LOWER ELEVATIONS FOUND IN ROCKY AREAS WITHIN FORESTS OR NEAR LAKES.	Micro Habitat: TALUS SLOPES, OCCASIONALLY ON MINE TAILINGS. PREFERS TALUS-MEADOW INTERFACE.
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Last Date Observed: 2014-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2014-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
ABOUT 1.0 MILES W OF MONITOR PASS AND 3.2 MILES NE OF LOOPE, TOIYABE NF.

Detailed Location:
MAPPED TO PROVIDED COORDINATES. PLOT 3609, CAMERA B.

Ecological:
JUNIPER HABITAT.

Threats:

General:
DETECTED BY CAMERA TRAP BETWEEN 14 JUL AND 1 AUG 2014.

PLSS: T10N, R21E, Sec. 35, NE (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4284117 E270510	Latitude/Longitude: 38.67592 / -119.63805	Elevation (feet): 8,240

County Summary: Alpine	Quad Summary: Heenan Lake (3811966)
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Sources:
WRI16D0001 WRIGHT, D. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MAMMAL CAMERA DETECTIONS FROM ECOREGIONAL BIODIVERSITY MONITORING PROGRAM, SIERRA NEVADA ECOREGION 2016-10-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: 14394

EO Index: 58795

Key Quad: Carson Pass (3811968)

Element Code: AMAEB03041

Occurrence Number: 1

Occurrence Last Updated: 2004-12-21

Scientific Name: *Lepus townsendii townsendii*

Common Name: western white-tailed jackrabbit

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern

CNDDDB Element Ranks: **Global:** G5T5

State: S3?

General Habitat:

SAGEBRUSH, SUBALPINE CONIFER, JUNIPER, ALPINE DWARF SHRUB & PERENNIAL GRASSLAND.

Micro Habitat:

OPEN AREAS WITH SCATTERED SHRUBS & EXPOSED FLAT-TOPPED HILLS WITH OPEN STANDS OF TREES, BRUSH & HERBACEOUS UNDERSTORY.

Last Date Observed: 1922-02-27

Occurrence Type: Natural/Native occurrence

Last Survey Date: 1922-02-27

Occurrence Rank: Unknown

Owner/Manager: USFS-ELDORADO NF

Trend: Unknown

Presence: Presumed Extant

Location:

CARSON VALLEY.

Detailed Location:

Ecological:

Threats:

General:

ONE MALE SPECIMEN COLLECTED 27 FEB 1922 BY E. BASSMAN AND J. DIXON AT "CARSON VALLEY." DEPOSITED AT MVZ #32793.

PLSS: T10N, R18E, Sec. 22 (M)

Accuracy: 1 mile

Area (acres): 0

UTM: Zone-11 N4286990 E240562

Latitude/Longitude: 38.69351 / -119.98297

Elevation (feet): 8,200

County Summary:

Quad Summary:

Alpine

Carson Pass (3811968), Caples Lake (3812061)

Sources:

MAN04S0012 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS) - PRINTOUT OF LEPUS TOWNSENDII TOWNSENDII SPECIMEN RECORDS FROM MANIS. THIS INCLUDES RECORDS FROM LACM, CAS & MVZ. 2004-12-10



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 58760

EO Index: 58796

Key Quad: Woodfords (3811977)

Element Code: AMAEB03041

Occurrence Number: 2

Occurrence Last Updated: 2004-12-20

Scientific Name: *Lepus townsendii townsendii*

Common Name: western white-tailed jackrabbit

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern

CNDDDB Element Ranks: **Global:** G5T5

State: S3?

General Habitat:

SAGEBRUSH, SUBALPINE CONIFER, JUNIPER, ALPINE DWARF SHRUB & PERENNIAL GRASSLAND.

Micro Habitat:

OPEN AREAS WITH SCATTERED SHRUBS & EXPOSED FLAT-TOPPED HILLS WITH OPEN STANDS OF TREES, BRUSH & HERBACEOUS UNDERSTORY.

Last Date Observed: 1915-02-13

Occurrence Type: Natural/Native occurrence

Last Survey Date: 1915-02-13

Occurrence Rank: Unknown

Owner/Manager: UNKNOWN

Trend: Unknown

Presence: Presumed Extant

Location:

WOODFORDS.

Detailed Location:

Ecological:

Threats:

General:

ONE MALE SPECIMEN COLLECTED 13 FEB 1915 BY G. MERRILL & F. HOLDEN AT "WOODFORDS." DEPOSITED AT MVZ #21309.

PLSS: T11N, R19E, Sec. 35 (M)

Accuracy: 1 mile

Area (acres): 0

UTM: Zone-11 N4295671 E254687

Latitude/Longitude: 38.77567 / -119.82383

Elevation (feet): 5,600

County Summary:

Quad Summary:

Alpine

Woodfords (3811977)

Sources:

MAN04S0012 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS) - PRINTOUT OF LEPUS TOWNSENDII TOWNSENDII SPECIMEN RECORDS FROM MANIS. THIS INCLUDES RECORDS FROM LACM, CAS & MVZ. 2004-12-10



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: 95046

EO Index: 96174

Key Quad: Carson Pass (3811968)

Element Code: AMAFA01013

Occurrence Number: 96

Occurrence Last Updated: 2015-01-28

Scientific Name: *Aplodontia rufa californica*

Common Name: Sierra Nevada mountain beaver

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5T3T4

State: S2S3

General Habitat:

DENSE GROWTH OF SMALL DECIDUOUS TREES & SHRUBS, WET SOIL, & ABUNDANCE OF FORBS IN THE SIERRA NEVADA & EAST SLOPE.

Micro Habitat:

NEEDS DENSE UNDERSTORY FOR FOOD & COVER. BURROWS INTO SOFT SOIL. NEEDS ABUNDANT SUPPLY OF WATER.

Last Date Observed: 1980-04-01

Occurrence Type: Natural/Native occurrence

Last Survey Date: 1980-04-01

Occurrence Rank: Unknown

Owner/Manager: USFS

Trend: Unknown

Presence: Presumed Extant

Location:

CARSON PASS.

Detailed Location:

COLLECTION LOCALITY DESCRIBED ONLY AS "CARSON PASS."

Ecological:

Threats:

General:

COLLECTION MADE IN THIS VICINITY ON 1 APR 1980.

PLSS: T10N, R18E, Sec. 22 (M)

Accuracy: 1 mile

Area (acres): 0

UTM: Zone-11 N4287110 E240068

Latitude/Longitude: 38.69444 / -119.98869

Elevation (feet): 8,000

County Summary:

Alpine

Quad Summary:

Carson Pass (3811968), Caples Lake (3812061)

Sources:

BAN80S0004 BANDAR, R. - BANDAR #RB2803 CAS #26589 COLLECTED FORM CARSON PASS 1980-04-01



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 95047

EO Index: 96175

Key Quad: Freel Peak (3811978)

Element Code: AMAFA01013

Occurrence Number: 97

Occurrence Last Updated: 2015-01-28

Scientific Name: *Aplodontia rufa californica*

Common Name: Sierra Nevada mountain beaver

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDDB Element Ranks: **Global:** G5T3T4

State: S2S3

General Habitat:

DENSE GROWTH OF SMALL DECIDUOUS TREES & SHRUBS, WET SOIL, & ABUNDANCE OF FORBS IN THE SIERRA NEVADA & EAST SLOPE.

Micro Habitat:

NEEDS DENSE UNDERSTORY FOR FOOD & COVER. BURROWS INTO SOFT SOIL. NEEDS ABUNDANT SUPPLY OF WATER.

Last Date Observed: 1894-09-10

Occurrence Type: Natural/Native occurrence

Last Survey Date: 1894-09-10

Occurrence Rank: Unknown

Owner/Manager: USFS, DFG, UNKNOWN

Trend: Unknown

Presence: Presumed Extant

Location:

HOPE VALLEY.

Detailed Location:

EXACT LOCATION UNKNOWN. COLLECTION LOCALITIES DESCRIBED ONLY AS "HOPE VALLEY." MAPPED BY CNDDDB NON-SPECIFICALLY ACROSS THE EXTENT OF THE VALLEY.

Ecological:

Threats:

General:

OCCURRENCE KNOWN FROM A SET OF COLLECTIONS FROM SEP 1894.

PLSS: T11N, R18E, Sec. 25 (M)

Accuracy: non-specific area

Area (acres): 3,322

UTM: Zone-11 N4295287 E244943

Latitude/Longitude: 38.76945 / -119.93572

Elevation (feet): 7,000

County Summary:

Quad Summary:

Alpine

Carson Pass (3811968), Freel Peak (3811978)

Sources:

STE94S0007	STEPHENS, F. - STEPHENS #1870 USNM #67851 COLLECTED FROM HOPE VALLEY 1894-09-06
STE94S0008	STEPHENS, F. - STEPHENS #1875 USNM #67852 COLLECTED FROM HOPE VALLEY 1894-09-07
STE94S0009	STEPHENS, F. - STEPHENS #1878 USNM #67853 COLLECTED FROM HOPE VALLEY 1894-09-08
STE94S0010	STEPHENS, F. - STEPHENS #1879 USNM #67854 COLLECTED FROM HOPE VALLEY 1894-09-08
STE94S0011	STEPHENS, F. - STEPHENS #1880 USNM #67855 COLLECTED FROM HOPE VALLEY 1894-09-08
STE94S0012	STEPHENS, F. - STEPHENS #1881 USNM #67856 COLLECTED FROM HOPE VALLEY 1894-09-08
STE94S0013	STEPHENS, F. - STEPHENS #1890 USNM #67857 COLLECTED FROM HOPE VALLEY 1894-09-10
STE94S0014	STEPHENS, F. - STEPHENS #1891 USNM #67858 COLLECTED FROM HOPE VALLEY 1894-09-10
STE94S0015	STEPHENS, F. - STEPHENS #1892 USNM #67859 COLLECTED FROM HOPE VALLEY 1894-09-10
STE94S0016	STEPHENS, F. - STEPHENS #1893 USNM #67860 COLLECTED FROM HOPE VALLEY 1894-09-10



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A5715	EO Index: 107458
Key Quad: Woodfords (3811977)	Element Code: AMAFJ01010
Occurrence Number: 334	Occurrence Last Updated: 2017-08-04

Scientific Name: <i>Erethizon dorsatum</i>	Common Name: North American porcupine
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern
CNDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.	Micro Habitat: WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.
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Last Date Observed: 1921-06-25	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1921-06-25	Occurrence Rank: Unknown
Owner/Manager: UNKNOWN, PVT	Trend: Unknown
Presence: Presumed Extant	

Location:
FREDERICKSBURG, N OF PAYNESVILLE.

Detailed Location:
LOCATION DESCRIBED AS "BRUNS RANCH, FREDERICKSBURG." BRUNS RANCH COULD NOT BE ACCURATELY LOCATED AND THEREFORE FEATURE WAS MAPPED GENERALLY TO FREDERICKSBURG.

Ecological:

Threats:

General:

1 PORCUPINE COLLECTED (MVZ# 32376) ON 25 JUN 1921 BY R. HUNT.

PLSS: T11N, R20E, Sec. 7 (M)	Accuracy: 1 mile	Area (acres): 1,987
UTM: Zone-11 N4301458 E258063	Latitude/Longitude: 38.82869 / -119.78705	Elevation (feet): 5,077

County Summary: Alpine	Quad Summary: Woodfords (3811977)
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Sources:
HUN21S0002 HUNT, R. - MVZ #32376 COLLECTED AT BRUN'S RANCH, FREDERICKSBURG 1921-06-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A5716	EO Index: 107459
Key Quad: Freel Peak (3811978)	Element Code: AMAFJ01010
Occurrence Number: 335	Occurrence Last Updated: 2017-08-04

Scientific Name: <i>Erethizon dorsatum</i>	Common Name: North American porcupine
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern
CNDDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.	Micro Habitat: WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.
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Last Date Observed: 2011-09-27	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2011-09-27	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
NEAR HEADWATERS OF WILLOW CREEK, 2.6 MI SW OF JOBS PEAK, 3.4 MI NNE OF SORENSENS.

Detailed Location:
MAPPED ACCORDING TO THE PROVIDED COORDINATES FOR THE CAMERA STATION.

Ecological:
OPEN WHITE BARK PINE WITH LOW SHRUBS, SAGEBRUSH, PINE MAT MANZANITA.

Threats:

General:
1 ADULT PORCUPINE DETECTED WITH A BAITED CAMERA STATION ON 27 SEP 2011.

PLSS: T11N, R19E, Sec. 17, NW (M)	Accuracy: 1/10 mile	Area (acres): 18
UTM: Zone-11 N4301047 E250127	Latitude/Longitude: 38.82278 / -119.87822	Elevation (feet): 9,122

County Summary: Alpine	Quad Summary: Freel Peak (3811978)
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Sources:
AND16D0001 ANDERSON, S. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-REGION 2) - PORCUPINE SIGHTINGS DATABASE FROM CDFW-REGION 2 2016-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A5717	EO Index: 107460
Key Quad: Freel Peak (3811978)	Element Code: AMAFJ01010
Occurrence Number: 336	Occurrence Last Updated: 2017-08-04

Scientific Name: <i>Erethizon dorsatum</i>	Common Name: North American porcupine
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern
CNDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.	Micro Habitat: WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.
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Last Date Observed: 2014-10-05	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2014-10-05	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF, UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
ALONG HWY 89, ABOUT 0.6 MI E OF HWY 88, 1.3 MI N OF PICKETT PEAK, SORENSONS.

Detailed Location:
MAPPED ACCORDING TO THE PROVIDED COORDINATES. LOCATION DESCRIBED AS "NEAR SORENSONS RESORT, HWY 89."

Ecological:
Threats:

POTENTIAL THREAT DUE TO VEHICLE COLLISIONS.

General:
1 PORCUPINE OBSERVED AS ROADKILL ON 5 OCT 2014; SAMPLE TAKEN.

PLSS: T11N, R18E, Sec. 25, NE (M)	Accuracy: non-specific area	Area (acres): 24
UTM: Zone-11 N4295793 E247377	Latitude/Longitude: 38.77471 / -119.90793	Elevation (feet): 6,945

County Summary: Alpine	Quad Summary: Freel Peak (3811978)
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Sources:
AND16D0001 ANDERSON, S. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-REGION 2) - PORCUPINE SIGHTINGS DATABASE FROM CDFW-REGION 2 2016-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A5725	EO Index: 107468
Key Quad: Freel Peak (3811978)	Element Code: AMAFJ01010
Occurrence Number: 337	Occurrence Last Updated: 2017-08-04

Scientific Name: <i>Erethizon dorsatum</i>	Common Name: North American porcupine
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern
CNDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.	Micro Habitat: WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.
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Last Date Observed: 2003-06-01	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-06-01	Occurrence Rank: Unknown
Owner/Manager: DFG	Trend: Unknown
Presence: Presumed Extant	

Location:
JUST N OF HWY 88 AT HWY 89, 1.7 MI SE OF THOMPSON PEAK, 2.8 MI ENE OF SCOTTS LAKE, HOPE VALLEY.

Detailed Location:
MAPPED ACCORDING TO THE PROVIDED COORDINATES. LOCATION DESCRIBED AS "HOPE VALLEY."

Ecological:
Threats:

General:
1 PORCUPINE OBSERVED ALIVE ON 1 JUN 2003; OBSERVED AT NIGHT.

PLSS: T11N, R18E, Sec. 24 (M)	Accuracy: 1/5 mile	Area (acres): 70
UTM: Zone-11 N4296453 E246413	Latitude/Longitude: 38.78037 / -119.91926	Elevation (feet): 7,078

County Summary: Alpine	Quad Summary: Freel Peak (3811978)
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Sources:
AND16D0001 ANDERSON, S. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-REGION 2) - PORCUPINE SIGHTINGS DATABASE FROM CDFW-REGION 2 2016-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A5735	EO Index: 107478	
Key Quad: Carson Pass (3811968)	Element Code: AMAFJ01010	
Occurrence Number: 338	Occurrence Last Updated: 2017-08-28	

Scientific Name: <i>Erethizon dorsatum</i>	Common Name: North American porcupine
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern
CNDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.	Micro Habitat: WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.
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Last Date Observed: 2011-08-06	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2011-08-06	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
ABOUT 1.2 MI E OF CRATER LAKE, 1.9 MI SSW OF HWY 88 AT BLUE LAKES RD, 2 MI NNE OF RED LAKE DAM, HOPE VALLEY.

Detailed Location:
MAPPED ACCORDING TO THE PROVIDED COORDINATES (2 SETS) AND LOCATION DESCRIPTION OF "STATE ROUTE 88, [1.5 MI] WEST OF BLUE LAKES RD."

Ecological:

Threats:
POTENTIAL THREAT DUE TO VEHICLE COLLISIONS.

General:
1 PORCUPINE OBSERVED AS ROADKILL ON 3 JUL 2010. 1 PORCUPINE OBSERVED AS ROADKILL ON 6 AUG 2011.

PLSS: T10N, R18E, Sec. 12, W (M)	Accuracy: non-specific area	Area (acres): 65
UTM: Zone-11 N4290536 E243190	Latitude/Longitude: 38.72619 / -119.95411	Elevation (feet): 7,439

County Summary: Alpine	Quad Summary: Carson Pass (3811968)
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Sources:
SHI17D0001 SHILLING, F. (UNIVERSITY OF CALIFORNIA, DAVIS) - PORCUPINE DETECTIONS FROM THE CALIFORNIA ROADKILL OBSERVATION SYSTEM, UC DAVIS 2017-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A5745	EO Index: 107488
Key Quad: Carson Pass (3811968)	Element Code: AMAFJ01010
Occurrence Number: 340	Occurrence Last Updated: 2017-08-07

Scientific Name: <i>Erethizon dorsatum</i>	Common Name: North American porcupine
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern
CNDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.	Micro Habitat: WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.
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Last Date Observed: 2013-05-17	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-05-17	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
JUST W OF CARSON PASS, ABOUT 0.2 MI NW OF HWY 88 AT RED VISTA RD, 1.3 MI S OF RED LAKE PEAK.

Detailed Location:
MAPPED TO THE PROVIDED 2013 COORDINATES AND LOCATION DESCRIPTION OF "MEADOW AREA JUST WEST OF CARSON PASS." 1980 LOCATION DESCRIBED ONLY AS "CARSON PASS AREA." EXACT LOCATION UNKNOWN AND THEREFORE ATTRIBUTED TO THE 2013 DETECTION.

Ecological:
MEADOW.

Threats:

General:
1 ADULT MALE PORCUPINE COLLECTED (CAS# 26643) IN OCT 1980 BY R. BANDAR. 1 LARGE PORCUPINE OBSERVED ON 17 MAY 2013.

PLSS: T10N, R18E, Sec. 22, SW (M)	Accuracy: 1/10 mile	Area (acres): 18
UTM: Zone-11 N4287214 E239843	Latitude/Longitude: 38.69531 / -119.99132	Elevation (feet): 8,527

County Summary: Alpine	Quad Summary: Carson Pass (3811968)
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Sources:

BAN80S0020	BANDAR, R. - CAS MAMMAL #26643 COLLECTED AT THE CARSON PASS AREA 1980-10-XX
FIS17D0001	FISKE, M. (CENTRAL SIERRA ENVIRONMENTAL RESOURCE CENTER) - PORCUPINE SIGHTING DATA FROM THE CENTRAL SIERRA ENVIRONMENTAL RESOURCE CENTER (2001-2017) 2017-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A6287	EO Index: 108041	
Key Quad: Ebbetts Pass (3811957)	Element Code: AMAFJ01010	
Occurrence Number: 371	Occurrence Last Updated: 2017-09-08	

Scientific Name: <i>Erethizon dorsatum</i>	Common Name: North American porcupine
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern
CNDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.	Micro Habitat: WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.
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Last Date Observed: 2010-08-12	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2010-08-12	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
ABOUT 2.7 MI E OF RAYMOND PEAK, 3.8 MI SW OF HWY 4 AT WOLF CREEK RD, NEAR HISTORICAL SILVER MOUNTAIN.

Detailed Location:
MAPPED ACCORDING TO THE PROVIDED COORDINATES.

Ecological:
SIERRA MIXED CONIFER.

Threats:
General:

THE REMAINS OF A PORCUPINE WERE FOUND AND COLLECTED, INCLUDING QUILLS AND PORTIONS OF THE UPPER AND LOWER MANDIBLE, ON 12 AUG 2010. REMAINS KEPT AT THE CDFW REGION 2 HEADQUARTERS IN RANCHO CORDOVA.

PLSS: T09N, R20E, Sec. 28, NW (M)	Accuracy: 1/10 mile	Area (acres): 18
UTM: Zone-11 N4276045 E257698	Latitude/Longitude: 38.59985 / -119.78236	Elevation (feet): 6,735

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:
OVE10F0001 OVERMAN, E. - FIELD SURVEY FORM FOR ERETHIZON DORSATUM 2010-08-12



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A6196	EO Index: 107950
Key Quad: Freel Peak (3811978)	Element Code: AMAFJ01010
Occurrence Number: 446	Occurrence Last Updated: 2017-09-01

Scientific Name: <i>Erethizon dorsatum</i>	Common Name: North American porcupine
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern
CNDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.	Micro Habitat: WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.
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Last Date Observed: 2016-10-01	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2016-10-01	Occurrence Rank: Unknown
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
ALONG PIONEER TRAIL, ABOUT 0.5 MI SSW OF HEKPA DR INTERSECTION, 1.4 MI NE OF HWY 50 INTERSECTION, SOUTH LAKE TAHOE.

Detailed Location:
MAPPED ACCORDING TO THE PROVIDED COORDINATES AND LOCATION DESCRIPTION OF "ON PIONEER TRAIL BETWEEN BUSCH WAY & ELKS CLUB DRIVE IN S. LAKE TAHOE."

Ecological:

Threats:
POTENTIAL THREAT DUE TO VEHICLE COLLISIONS.

General:
1 PORCUPINE OBSERVED AS ROADKILL ON 1 OCT 2016; FOUND FRESH IN THE MORNING, LIKELY HIT THE PREVIOUS NIGHT.

PLSS: T12N, R18E, Sec. 21, NE (M)	Accuracy: non-specific area	Area (acres): 10
UTM: Zone-11 N4307005 E240398	Latitude/Longitude: 38.87359 / -119.99239	Elevation (feet): 6,434

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:
FIS17D0001 FISKE, M. (CENTRAL SIERRA ENVIRONMENTAL RESOURCE CENTER) - PORCUPINE SIGHTING DATA FROM THE CENTRAL SIERRA ENVIRONMENTAL RESOURCE CENTER (2001-2017) 2017-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A6610	EO Index:	108377
Key Quad:	Carson Pass (3811968)	Element Code:	AMAFJ01010
Occurrence Number:	506	Occurrence Last Updated:	2017-09-29

Scientific Name:	<i>Erethizon dorsatum</i>	Common Name:	North American porcupine
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5 State: S3	Other Lists:	IUCN_LC-Least Concern

General Habitat:	Micro Habitat:
FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.	WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.

Last Date Observed:	2014-10-01	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2014-10-01	Occurrence Rank:	Unknown
Owner/Manager:	USFS-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
 ABOUT 1.1 MI WSW OF HWY 88 AT BLUE LAKES RD, 1.3 MI NE OF STEVENS PEAK, 1.4 MI S OF SCOTTS LAKE.

Detailed Location:
 MAPPED ACCORDING TO THE PROVIDED COORDINATES AND LOCATION DESCRIPTION OF "NEAR SCOTTS LAKE ROAD, ALPINE COUNTY."

Ecological:
 PORCUPINE IN WHITE FIR TREE.

Threats:
General:

1 ADULT PORCUPINE OBSERVED IN A TREE ON 1 OCT 2014. ENCOUNTERED DURING A HIKE, ANIMAL PHOTOGRAPHED.

PLSS:	T10N, R18E, Sec. 1 (M)	Accuracy:	2/5 mile	Area (acres):	280
UTM:	Zone-11 N4292545 E242612	Latitude/Longitude:	38.7441 / -119.9615	Elevation (feet):	7,743

County Summary:	Quad Summary:
Alpine	Carson Pass (3811968)

Sources:

AND16D0001	ANDERSON, S. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-REGION 2) - PORCUPINE SIGHTINGS DATABASE FROM CDFW-REGION 2 2016-XX-XX
STE14I0001	STEWART, J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - OBSERVATION 1103550 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2017-09-29. 2014-10-01



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B3536	EO Index: 115456
Key Quad: Freel Peak (3811978)	Element Code: AMAFJ01010
Occurrence Number: 509	Occurrence Last Updated: 2019-08-15

Scientific Name: <i>Erethizon dorsatum</i>	Common Name: North American porcupine
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern
CNDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.	Micro Habitat: WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.
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Last Date Observed: 2017-06-15	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-06-15	Occurrence Rank: Unknown
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
NORTH SIDE OF HWY 89, ABOUT 1.8 MI NW OF LUTHER PASS & 2.4 MI ENE OF ALPINE CAMPGROUND.

Detailed Location:
MAPPED TO PROVIDED COORDINATES. IN LAKE TAHOE BASIN MANAGEMENT UNIT.

Ecological:
NEAR GRASS LAKE. DETECTED BY SPOTTED OWL SURVEY CREW.

Threats:

General:
1 INDIVIDUAL OF UNKNOWN AGE OBSERVED IN A TREE ON 15 JUN 2017.

PLSS: T11N, R18E, Sec. 15, NW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4298795 E241617	Latitude/Longitude: 38.80006 / -119.97528	Elevation (feet): 7,966

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:

WIL17F0012	WILSON, J. ET AL. - FIELD SURVEY FORM FOR ERETHIZON DORSATUM 2017-06-15
ZAN17U0001	ZANETTI, S. (U.S. FOREST SERVICE) - 2017 PORCUPINE SIGHTINGS REPORTED BY LOWER TAHOE BASIN MANAGEMENT UNIT STAFF (EXCEL FILE AND PHOTOS) 2017-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B3537	EO Index: 115457
Key Quad: Freel Peak (3811978)	Element Code: AMAFJ01010
Occurrence Number: 510	Occurrence Last Updated: 2019-08-08

Scientific Name: <i>Erethizon dorsatum</i>	Common Name: North American porcupine
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern
CNDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.	Micro Habitat: WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.
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Last Date Observed: 2017-10-30	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-10-30	Occurrence Rank: Unknown
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
TRIBUTARY TO SAXON CREEK, ABOUT 1.5 MI E OF ZAPOTEC DR AT CHIBCHA ST IN MEYERS, 2.5 MI SE OF THE TAHOE AIRPORT.

Detailed Location:
MAPPED TO PROVIDED COORDINATES.

Ecological:
FOREST NEAR TROUT CREEK.

Threats:

General:
1 JUVENILE OBSERVED WALKING THROUGH FOREST ON 30 OCT 2017.

PLSS: T12N, R18E, Sec. 26, NW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4305485 E242586	Latitude/Longitude: 38.86055 / -119.96663	Elevation (feet): 6,902

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:

GUS17F0002	GUSSES, G. - FIELD SURVEY FORM FOR ERETHIZON DORSATUM 2017-10-30
ZAN17U0001	ZANETTI, S. (U.S. FOREST SERVICE) - 2017 PORCUPINE SIGHTINGS REPORTED BY LOWER TAHOE BASIN MANAGEMENT UNIT STAFF (EXCEL FILE AND PHOTOS) 2017-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B3615	EO Index: 115533
Key Quad: Echo Lake (3812071)	Element Code: AMAFJ01010
Occurrence Number: 513	Occurrence Last Updated: 2019-08-08

Scientific Name: <i>Erethizon dorsatum</i>	Common Name: North American porcupine
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern
CNDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.	Micro Habitat: WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.
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Last Date Observed: 2017-08-16	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-08-16	Occurrence Rank: Unknown
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
HWY 89 ABOUT 1.1 AIR MILES SE OF ALPINE CAMPGROUND & 2.9 AIR MILES W OF LUTHER PASS.

Detailed Location:
MAPPED TO PROVIDED COORDINATES.

Ecological:
NEAR BIG MEADOW TRAILHEAD.

Threats:
VEHICLE STRIKES.

General:
1 OBSERVED DEAD ON ROAD ON 16 AUG 2017.

PLSS: T11N, R18E, Sec. 21, NW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-10 N4297460 E760470	Latitude/Longitude: 38.78743 / -120.00123	Elevation (feet): 7,259

County Summary: El Dorado	Quad Summary: Freel Peak (3811978), Echo Lake (3812071)
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Sources:

QUI17F0001	QUINN, J. - FIELD SURVEY FORM FOR ERETHIZON DORSATUM 2017-08-16
ZAN17U0001	ZANETTI, S. (U.S. FOREST SERVICE) - 2017 PORCUPINE SIGHTINGS REPORTED BY LOWER TAHOE BASIN MANAGEMENT UNIT STAFF (EXCEL FILE AND PHOTOS) 2017-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B3623	EO Index: 116537
Key Quad: Freel Peak (3811978)	Element Code: AMAFJ01010
Occurrence Number: 516	Occurrence Last Updated: 2019-08-08

Scientific Name: <i>Erethizon dorsatum</i>	Common Name: North American porcupine
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern
CNDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.	Micro Habitat: WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.
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Last Date Observed: 2017-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
ABOUT 1.6 MI E OF PIONEER TRAIL AT GARBAGE DUMP RD & 2.2 MI NW OF FOUNTAIN PLACE, NE OF MEYERS.

Detailed Location:
MAPPED TO PROVIDED COORDINATES.

Ecological:
SPECIMEN FOUND NEAR MOUNTAIN BIKING TRAIL (SIDEWINDER TRAIL).

Threats:
POSSIBLE VEHICLE STRIKES (MOUNTAIN BIKES).

General:
1 FOUND DEAD NEAR MOUNTAIN BIKING TRAIL PRIOR TO 17 AUG 2017.

PLSS: T12N, R18E, Sec. 23, SW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4306654 E242754	Latitude/Longitude: 38.87112 / -119.96513	Elevation (feet): 6,656

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:

SEG17F0002	SEGUNDO, J. - FIELD SURVEY FORM FOR ERETHIZON DORSATUM 2017-08-17
ZAN17U0001	ZANETTI, S. (U.S. FOREST SERVICE) - 2017 PORCUPINE SIGHTINGS REPORTED BY LOWER TAHOE BASIN MANAGEMENT UNIT STAFF (EXCEL FILE AND PHOTOS) 2017-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 14506	EO Index: 23759	
Key Quad: Carson Pass (3811968)	Element Code: AMAJA03012	
Occurrence Number: 8	Occurrence Last Updated: 2013-10-23	

Scientific Name: <i>Vulpes vulpes necator</i>	Common Name: Sierra Nevada red fox
Listing Status:	Rare Plant Rank:
Federal: Proposed Endangered	
State: Threatened	Other Lists: USFS_S-Sensitive
CNDDB Element Ranks:	
Global: G5T1T2	
State: S1	

General Habitat: HISTORICALLY FOUND FROM THE CASCADES DOWN TO THE SIERRA NEVADA. FOUND IN A VARIETY OF HABITATS FROM WET MEADOWS TO FORESTED AREAS.	Micro Habitat: USE DENSE VEGETATION AND ROCKY AREAS FOR COVER AND DEN SITES. PREFER FORESTS INTERSPERSED WITH MEADOWS OR ALPINE FELL-FIELDS.
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Last Date Observed: 1973-10-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1973-10-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
VICINITY OF FAITH VALLEY ALONG WEST FORK CARSON RIVER, TOIYABE NATIONAL FOREST.

Detailed Location:
SMITH DESCRIBED LOCATION AS "FAITH VALLEY." SCHEMPF DESCRIBED LOCATION AS "BETWEEN FAITH & CHARITY VALLEYS IN HEADWATERS OF WEST FORK OF CARSON RIVER." MAPPED BY CNDDB AT FAITH VALLEY AND AREA BETWEEN FAITH AND CHARITY VALLEYS.

Ecological:
PRESUMED TO BE SN RED FOX BASED UPON ELEVATION AND HISTORIC RANGE. DNA ANALYSIS MUST BE DONE ORDER TO CONCLUSIVELY DETERMINE IF A RED FOX FOUND IN THE SIERRA NEVADA REGION IS VULPES VULPES NECATOR OR AN INTRODUCED SUBSPECIES.

Threats:
General:
OBSERVATION IN 1973; REPORTED TO DFG BIOLOGIST WILLIAM GRENFELL BY LASSEN NATIONAL FOREST BIOLOGIST GARY SMITH ON 29 MAR 1990. OCT 1973 DETECTION ALSO NOTED BY SCHEMPF & WHITE MAY REFER TO THE SAME OBSERVATION.

PLSS: T10N, R19E, Sec. 29 (M)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N4284966 E245866	Latitude/Longitude: 38.67683 / -119.92131	Elevation (feet): 7,560

County Summary: Alpine	Quad Summary: Carson Pass (3811968)
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Sources:

SMI90U0001	SMITH, G. (U.S. FOREST SERVICE-LASSEN NATIONAL FOREST) - LASSEN NATIONAL FOREST'S SIERRA NEVADA RED FOX LOCATIONS, REPORTED BY GARY SMITH ON 3-29-90. 1990-08-01
UCBNDU0002	UC BERKELEY - FORESTRY AND CONSERVATION - LIST OF LOCALITIES OF VULPES VULPES NECATOR LOCATIONS USED TO BY SCHEMPF & WHITE TO CREATE 1977 REPORT STATUS OF SIX FURBEARER POPULATIONS IN THE MOUNTAINS OF NORTHERN CALIFORNIA 197X-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 75936	EO Index: 76940
Key Quad: Dardanelles Cone (3811947)	Element Code: AMAJA03012
Occurrence Number: 113	Occurrence Last Updated: 2009-07-23

Scientific Name: <i>Vulpes vulpes necator</i>	Common Name: Sierra Nevada red fox
Listing Status:	Rare Plant Rank:
Federal: Proposed Endangered	
State: Threatened	Other Lists: USFS_S-Sensitive
CNDDB Element Ranks:	
Global: G5T1T2	
State: S1	

General Habitat: HISTORICALLY FOUND FROM THE CASCADES DOWN TO THE SIERRA NEVADA. FOUND IN A VARIETY OF HABITATS FROM WET MEADOWS TO FORESTED AREAS.	Micro Habitat: USE DENSE VEGETATION AND ROCKY AREAS FOR COVER AND DEN SITES. PREFER FORESTS INTERSPERSED WITH MEADOWS OR ALPINE FELL-FIELDS.
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Last Date Observed: 1990-08-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1990-08-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
HIGHLAND LAKES, ABOUT 4 MILES SOUTH OF EBBETTS PASS, STANISLAUS NATIONAL FOREST.

Detailed Location:
LOCATION DESCRIBED AS "ALPINE CO, HIGHLAND LAKES - S OF EBBETTS PASS." MAPPED BY CNDDB TO ENCOMPASS THE HIGHLAND LAKES COMPLEX.

Ecological:
PRESUMED TO BE SN RED FOX BASED UPON ELEVATION AND HISTORIC RANGE. DNA ANALYSIS MUST BE DONE ORDER TO CONCLUSIVELY DETERMINE IF A RED FOX FOUND IN THE SIERRA NEVADA REGION IS VULPES VULPES NECATOR OR AN INTRODUCED SUBSPECIES.

Threats:
General:
INDIVIDUAL OBSERVED IN AUG 1990.

PLSS: T7.5N, R20E, Sec. 05 (M)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N4264006 E255484	Latitude/Longitude: 38.49087 / -119.80353	Elevation (feet): 8,580

County Summary: Alpine	Quad Summary: Dardanelles Cone (3811947), Ebbetts Pass (3811957)
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Sources:
SMI90U0001 SMITH, G. (U.S. FOREST SERVICE-LASSEN NATIONAL FOREST) - LASSEN NATIONAL FOREST'S SIERRA NEVADA RED FOX LOCATIONS, REPORTED BY GARY SMITH ON 3-29-90. 1990-08-01



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A4604	EO Index:	106297
Key Quad:	Freel Peak (3811978)	Element Code:	AMAJF01014
Occurrence Number:	194	Occurrence Last Updated:	2017-05-10

Scientific Name:	<i>Martes caurina sierrae</i>	Common Name:	Sierra marten
Listing Status:	Federal: None	Rare Plant Rank:	
	State: None	Other Lists:	USFS_S-Sensitive
CNDDB Element Ranks:	Global: G5T3		
	State: S3		

General Habitat:

MIXED EVERGREEN FORESTS WITH MORE THAN 40% CROWN CLOSURE ALONG SIERRA NEVADA AND CASCADE MOUNTAINS.

Micro Habitat:

NEEDS VARIETY OF DIFFERENT-AGED STANDS, PARTICULARLY OLD-GROWTH CONIFERS AND SNAGS WHICH PROVIDE CAVITIES FOR DENS/NESTS.

Last Date Observed:	2012-07-XX	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2012-07-XX	Occurrence Rank:	Unknown
Owner/Manager:	USFS-LAKE TAHOE BMU	Trend:	Unknown
Presence:	Presumed Extant		

Location:

ABOUT 1.5 MILES NW OF HELL HOLE AND 1.7 MILES SE OF AZTEC WAY AT IROQUOIS CIRCLE IN MEYERS.

Detailed Location:

MAPPED TO PROVIDED COORDINATES. PLOT 3330, CAMERA A.

Ecological:

RED FIR FOREST.

Threats:**General:**

DETECTED BY CAMERA TRAP BETWEEN 16 AND 30 JUL 2012.

PLSS: T12N, R18E, Sec. 35, NW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4303684 E242714	Latitude/Longitude: 38.84438 / -119.96448	Elevation (feet): 8,520

County Summary:

El Dorado

Quad Summary:

Freel Peak (3811978)

Sources:

WRI16D0001 WRIGHT, D. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MAMMAL CAMERA DETECTIONS FROM ECOREGIONAL BIODIVERSITY MONITORING PROGRAM, SIERRA NEVADA ECOREGION 2016-10-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A4606	EO Index:	106298
Key Quad:	Freel Peak (3811978)	Element Code:	AMAJF01014
Occurrence Number:	195	Occurrence Last Updated:	2017-05-10

Scientific Name:	<i>Martes caurina sierrae</i>	Common Name:	Sierra marten
Listing Status:	Federal: None	Rare Plant Rank:	
	State: None	Other Lists:	USFS_S-Sensitive
CNDDDB Element Ranks:	Global: G5T3		
	State: S3		

General Habitat:	Micro Habitat:
MIXED EVERGREEN FORESTS WITH MORE THAN 40% CROWN CLOSURE ALONG SIERRA NEVADA AND CASCADE MOUNTAINS.	NEEDS VARIETY OF DIFFERENT-AGED STANDS, PARTICULARLY OLD-GROWTH CONIFERS AND SNAGS WHICH PROVIDE CAVITIES FOR DENS/NESTS.

Last Date Observed:	2010-XX-XX	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2010-XX-XX	Occurrence Rank:	Unknown
Owner/Manager:	USFS-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
 ABOUT 0.5 MILES SW OF SCOTTS LAKE AND 1.75 MILES NNE OF STEVENS PEAK, TOIYABE NATIONAL FOREST.

Detailed Location:
 MAPPED TO PROVIDED COORDINATES. PLOT 3530, CAMERA B.

Ecological:
 SIERRAN MIXED CONIFER FOREST.

Threats:
General:

DETECTED BY CAMERA TRAP BETWEEN 21 SEP AND 5 OCT 2010.

PLSS: T10N, R18E, Sec. 2, NW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4294108 E241637	Latitude/Longitude: 38.75788 / -119.97329	Elevation (feet): 8,577

County Summary:	Quad Summary:
Alpine	Freel Peak (3811978)

Sources:
 WRI16D0001 WRIGHT, D. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MAMMAL CAMERA DETECTIONS FROM ECOREGIONAL BIODIVERSITY MONITORING PROGRAM, SIERRA NEVADA ECOREGION 2016-10-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A4609	EO Index:	106301
Key Quad:	Ebbetts Pass (3811957)	Element Code:	AMAJF01014
Occurrence Number:	198	Occurrence Last Updated:	2017-05-10

Scientific Name:	<i>Martes caurina sierrae</i>	Common Name:	Sierra marten
Listing Status:	Federal: None	Rare Plant Rank:	
	State: None	Other Lists:	USFS_S-Sensitive
CNDDDB Element Ranks:	Global: G5T3		
	State: S3		

General Habitat:

MIXED EVERGREEN FORESTS WITH MORE THAN 40% CROWN CLOSURE ALONG SIERRA NEVADA AND CASCADE MOUNTAINS.

Micro Habitat:

NEEDS VARIETY OF DIFFERENT-AGED STANDS, PARTICULARLY OLD-GROWTH CONIFERS AND SNAGS WHICH PROVIDE CAVITIES FOR DENS/NESTS.

Last Date Observed:	2013-07-XX	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2013-07-XX	Occurrence Rank:	Unknown
Owner/Manager:	USFS-STANISLAUS NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:

ABOUT 0.9 MILES SW OF REYNOLDS PEAK AND 1.1 MILES NORTH OF THE ELBOW ON CA-4 (GNIS), STANISLAUS NF.

Detailed Location:

MAPPED TO PROVIDED SHAPEFILE. PLOT 3777, CAMERA A.

Ecological:

LOGEPOLE PINE FOREST. SIGNS OF CATTLE IN AREA.

Threats:**General:**

DETECTED BY CAMERA TRAP BETWEEN 16 AND 29 JUL 2013.

PLSS: T08N, R19E, Sec. 2, NE (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4272840 E251788	Latitude/Longitude: 38.56937 / -119.84901	Elevation (feet): 8,606

County Summary:

Alpine

Quad Summary:

Ebbetts Pass (3811957)

Sources:

WRI16D0001 WRIGHT, D. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MAMMAL CAMERA DETECTIONS FROM ECOREGIONAL BIODIVERSITY MONITORING PROGRAM, SIERRA NEVADA ECOREGION 2016-10-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A4610	EO Index:	106302
Key Quad:	Pacific Valley (3811958)	Element Code:	AMAJF01014
Occurrence Number:	199	Occurrence Last Updated:	2017-05-10

Scientific Name:	<i>Martes caurina sierrae</i>	Common Name:	Sierra marten
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G5T3 State: S3	Other Lists:	USFS_S-Sensitive

General Habitat:	Micro Habitat:
MIXED EVERGREEN FORESTS WITH MORE THAN 40% CROWN CLOSURE ALONG SIERRA NEVADA AND CASCADE MOUNTAINS.	NEEDS VARIETY OF DIFFERENT-AGED STANDS, PARTICULARLY OLD-GROWTH CONIFERS AND SNAGS WHICH PROVIDE CAVITIES FOR DENS/NESTS.

Last Date Observed:	2013-07-XX	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2013-07-XX	Occurrence Rank:	Unknown
Owner/Manager:	USFS-ELDORADO NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
W SIDE CLOVER VALLEY, ABOUT 1.1 MILES SSE OF TWIN LAKES DAM AND 1.75 MILES SW OF TAMARACK LAKE, ELDORADO NF.

Detailed Location:
MAPPED TO PROVIDED SHAPEFILE. PLOT 3787, CAMERA B.

Ecological:
RED FIR FOREST.

Threats:
General:

DETECTED BY CAMERA TRAP BETWEEN 15 AND 29 JUL 2013.

PLSS: T09N, R19E, Sec. 31, NE (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4275433 E245288	Latitude/Longitude: 38.59087 / -119.92447	Elevation (feet): 7,921

County Summary:	Quad Summary:
Alpine	Pacific Valley (3811958)

Sources:
WRI16D0001 WRIGHT, D. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MAMMAL CAMERA DETECTIONS FROM ECOREGIONAL BIODIVERSITY MONITORING PROGRAM, SIERRA NEVADA ECOREGION 2016-10-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A4612	EO Index:	106303
Key Quad:	Pacific Valley (3811958)	Element Code:	AMAJF01014
Occurrence Number:	200	Occurrence Last Updated:	2017-05-10

Scientific Name:	<i>Martes caurina sierrae</i>	Common Name:	Sierra marten
Listing Status:	Federal: None	Rare Plant Rank:	
	State: None	Other Lists:	USFS_S-Sensitive
CNDDB Element Ranks:	Global: G5T3		
	State: S3		

General Habitat:

MIXED EVERGREEN FORESTS WITH MORE THAN 40% CROWN CLOSURE ALONG SIERRA NEVADA AND CASCADE MOUNTAINS.

Micro Habitat:

NEEDS VARIETY OF DIFFERENT-AGED STANDS, PARTICULARLY OLD-GROWTH CONIFERS AND SNAGS WHICH PROVIDE CAVITIES FOR DENS/NESTS.

Last Date Observed:	2013-XX-XX	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2013-XX-XX	Occurrence Rank:	Unknown
Owner/Manager:	USFS-STANISLAUS NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:

ABOUT 1.4 MILES NW OF MOSQUITO LAKE AND 2.4 MILES ENE OF WHEELER LAKE, STANISLAUS NATIONAL FOREST.

Detailed Location:

MAPPED TO PROVIDED SHAPEFILE. PLOT 3858, CAMERA A.

Ecological:

RED FIR FOREST.

Threats:**General:**

DETECTED BY CAMERA TRAP BETWEEN 24 JUL AND 7 AUG 2013.

PLSS: T08N, R19E, Sec. 19, SW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4268103 E243883	Latitude/Longitude: 38.52449 / -119.9379	Elevation (feet): 8,041

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958)

Sources:

WRI16D0001 WRIGHT, D. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MAMMAL CAMERA DETECTIONS FROM ECOREGIONAL BIODIVERSITY MONITORING PROGRAM, SIERRA NEVADA ECOREGION 2016-10-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A4613	EO Index: 106305
Key Quad: Pacific Valley (3811958)	Element Code: AMAJF01014
Occurrence Number: 201	Occurrence Last Updated: 2017-05-12

Scientific Name: <i>Martes caurina sierrae</i>	Common Name: Sierra marten
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: USFS_S-Sensitive
CNDDDB Element Ranks:	
Global: G5T3	
State: S3	

General Habitat: MIXED EVERGREEN FORESTS WITH MORE THAN 40% CROWN CLOSURE ALONG SIERRA NEVADA AND CASCADE MOUNTAINS.	Micro Habitat: NEEDS VARIETY OF DIFFERENT-AGED STANDS, PARTICULARLY OLD-GROWTH CONIFERS AND SNAGS WHICH PROVIDE CAVITIES FOR DENS/NESTS.
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Last Date Observed: 2011-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2011-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
NORTH SIDE OF CA-4, ABOUT 0.8 MILES WNW OF MOSQUITO LAKE & 2.8 MILES E OF WHEELER LAKE, STANISLAUS NATIONAL FOREST.

Detailed Location:
MAPPED TO PROVIDED SHAPEFILES. 2011: PLOT 3920, CAMERA B.

Ecological:
2011: LODGEPOLE PINE FOREST.

Threats:
General:

1 DETECTED BY CAMERA TRAP 10 MAR 2003. DETECTED BY CAMERA TRAP BETWEEN 21 SEP AND 4 OCT 2011.

PLSS: T08N, R19E, Sec. 30, SW (M)	Accuracy: non-specific area	Area (acres): 13
UTM: Zone-11 N4267146 E244633	Latitude/Longitude: 38.5161 / -119.92896	Elevation (feet): 7,997

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:

USFNDD0002	U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX
WRI16D0001	WRIGHT, D. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MAMMAL CAMERA DETECTIONS FROM ECOREGIONAL BIODIVERSITY MONITORING PROGRAM, SIERRA NEVADA ECOREGION 2016-10-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 14474

EO Index: 23722

Key Quad: Pacific Valley (3811958)

Element Code: AMAJF01021

Occurrence Number: 3

Occurrence Last Updated: 2010-04-14

Scientific Name: *Pekania pennanti*

Common Name: fisher - West Coast DPS

Listing Status: **Federal:** Endangered

Rare Plant Rank:

State: Threatened

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G5T2T3Q

State: S2S3

General Habitat:

INTERMEDIATE TO LARGE-TREE STAGES OF CONIFEROUS FORESTS AND DECIDUOUS-RIPARIAN AREAS WITH HIGH PERCENT CANOPY CLOSURE.

Micro Habitat:

USES CAVITIES, SNAGS, LOGS AND ROCKY AREAS FOR COVER AND DENNING. NEEDS LARGE AREAS OF MATURE, DENSE FOREST.

Last Date Observed: 1969-07-24

Occurrence Type: Natural/Native occurrence

Last Survey Date: 1969-07-24

Occurrence Rank: Unknown

Owner/Manager: PVT

Trend: Unknown

Presence: Presumed Extant

Location:

BETWEEN TWIN LAKE & LOWER BLUE LAKE, ABOUT 10 MI SW OF MARKLEEVILLE, PRIVATE PARCEL WITHIN ELDORADO NATIONAL FOREST.

Detailed Location:

DESCRIBED AS "T9N R19E S30, 8200 FT, BETWEEN TWIN & LOWER BLUE LAKE" & "T9N R19E S30, LITTLE TWIN LAKE." MAPPED TO 8200 FT CONTOUR BETWEEN TWIN LAKE & LOWER BLUE LAKE WITHIN SECTION 30.

Ecological:

LOGEPOLE PINE FOREST.

Threats:

General:

TWO RECORDS IN SCHEMPF/UCB DATABASE: ONE FOR A SIGHTING ON 24 JUL 1969 & ANOTHER AT AN UNKNOWN DATE, WITH A NOTE THAT IT "MAY BE THE SAME SIGHTING AS THE ONE MADE ON 7/24/69." SAME DATA CITED IN 1987-DFG & BURKETT DATABASES AS ONE RECORD.

PLSS: T09N, R19E, Sec. 30, NW (M)

Accuracy: non-specific area

Area (acres): 93

UTM: Zone-11 N4277497 E244500

Latitude/Longitude: 38.60922 / -119.93425

Elevation (feet): 8,200

County Summary:

Quad Summary:

Alpine

Pacific Valley (3811958)

Sources:

- BUR97D0001 BURKETT, E. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - BIOS LAYER DS30: PACIFIC FISHER - HISTORICAL OBSERVATIONS (VERY SIMILAR TO DFG87U0015). 1997-02-XX
- DFG87U0015 DFG - NONGAME WILDLIFE SECTION - GORDON GOULD'S DATABASE PRINTOUT OF FISHER SIGHTINGS (VERY SIMILAR TO BUR97D0001). 1987-09-17
- SCH77R0002 SCHEMPF, P. & M. WHITE - STATUS OF SIX FURBEARER POPULATIONS IN THE MOUNTAINS OF NORTHERN CALIFORNIA. REPORT PUBLISHED BY USDA FOREST SERVICE, CALIFORNIA REGION. 1977-12-XX
- UCBN DU0003 UCB - FORESTRY & CONSERVATION (UNIVERSITY OF CALIFORNIA, BERKELEY) - COPY OF INDEX CARDS FOR THE MARTES PENNANTI (PACIFICA) LOCATIONS USED IN SCHEMPF & WHITE 1977 (SCH77R0002). XXXX-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 14430	EO Index: 23721
Key Quad: Pacific Valley (3811958)	Element Code: AMAJF01021
Occurrence Number: 4	Occurrence Last Updated: 2010-04-14

Scientific Name: <i>Pekania pennanti</i>	Common Name: fisher - West Coast DPS
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists:
CNDDB Element Ranks:	BLM_S-Sensitive
Global: G5T2T3Q	CDFW_SSC-Species of Special Concern
State: S2S3	USFS_S-Sensitive

General Habitat: INTERMEDIATE TO LARGE-TREE STAGES OF CONIFEROUS FORESTS AND DECIDUOUS-RIPARIAN AREAS WITH HIGH PERCENT CANOPY CLOSURE.	Micro Habitat: USES CAVITIES, SNAGS, LOGS AND ROCKY AREAS FOR COVER AND DENNING. NEEDS LARGE AREAS OF MATURE, DENSE FOREST.
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Last Date Observed: 1979-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1979-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF, PVT	Trend: Unknown
Presence: Presumed Extant	

Location:
VICINITY OF MEADOW LAKE, ABOUT 9 MI SE OF KIRKWOOD (TOWN) & ABOUT 12 MI SW OF MARKLEEVILLE, ELDORADO NATIONAL FOREST.

Detailed Location:
LOCATION DESCRIBED AS "T9N R18E SEC 26, MEADOW LAKE." MAPPED TO SECTION 26 WHICH INCLUDES MOST OF MEADOW LAKE.

Ecological:
Threats:

General:
1 FISHER OBSERVED AT CLOSE RANGE BY SCHLITZKUS & BERG IN 1979, AND REPORTED IN DFG REGION 2'S OCT 1979 MONTHLY REPORT, AS CITED IN THE BURKETT DATABASE. ALSO CITED IN THE 1987-DFG DATABASE.

PLSS: T09N, R18E, Sec. 26 (M)	Accuracy: non-specific area	Area (acres): 644
UTM: Zone-11 N4276857 E241775	Latitude/Longitude: 38.60267 / -119.96528	Elevation (feet): 7,840

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:

BUR97D0001	BURKETT, E. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - BIOS LAYER DS30: PACIFIC FISHER - HISTORICAL OBSERVATIONS (VERY SIMILAR TO DFG87U0015). 1997-02-XX
DFG87U0015	DFG - NONGAME WILDLIFE SECTION - GORDON GOULD'S DATABASE PRINTOUT OF FISHER SIGHTINGS (VERY SIMILAR TO BUR97D0001). 1987-09-17



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 14340	EO Index: 23704	
Key Quad: Echo Lake (3812071)	Element Code: AMAJF01021	
Occurrence Number: 21	Occurrence Last Updated: 2010-04-14	

Scientific Name: <i>Pekania pennanti</i>	Common Name: fisher - West Coast DPS
Listing Status:	Rare Plant Rank:
Federal: Endangered	
State: Threatened	Other Lists:
CNDDB Element Ranks:	BLM_S-Sensitive
Global: G5T2T3Q	CDFW_SSC-Species of Special Concern
State: S2S3	USFS_S-Sensitive

General Habitat: INTERMEDIATE TO LARGE-TREE STAGES OF CONIFEROUS FORESTS AND DECIDUOUS-RIPARIAN AREAS WITH HIGH PERCENT CANOPY CLOSURE.	Micro Habitat: USES CAVITIES, SNAGS, LOGS AND ROCKY AREAS FOR COVER AND DENNING. NEEDS LARGE AREAS OF MATURE, DENSE FOREST.
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Last Date Observed: 1967-03-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1967-03-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
VICINITY OF ALPINE CAMPGROUND ALONG UPPER TRUCKEE RIVER, ABOUT 4 MI S OF MEYERS, ELDORADO NATIONAL FOREST.

Detailed Location:
LOCATION DESCRIBED AS "NEAR ALPINE CAMPGROUND, T11N R18E S17." MAPPED TO VICINITY OF ALPINE CAMPGROUND IN SECTION 17.

Ecological:
MIXED CONIFER FOREST.

Threats:
General:

FISHER OBSERVED IN MARCH 1967.

PLSS: T11N, R18E, Sec. 17 (M)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-10 N4298238 E758892	Latitude/Longitude: 38.79490 / -120.01907	Elevation (feet): 6,500

County Summary: El Dorado	Quad Summary: Freel Peak (3811978), Echo Lake (3812071)
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Sources:

BUR97D0001	BURKETT, E. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - BIOS LAYER DS30: PACIFIC FISHER - HISTORICAL OBSERVATIONS (VERY SIMILAR TO DFG87U0015). 1997-02-XX
DFG87U0015	DFG - NONGAME WILDLIFE SECTION - GORDON GOULD'S DATABASE PRINTOUT OF FISHER SIGHTINGS (VERY SIMILAR TO BUR97D0001). 1987-09-17
SCH77R0002	SCHEMPF, P. & M. WHITE - STATUS OF SIX FURBEARER POPULATIONS IN THE MOUNTAINS OF NORTHERN CALIFORNIA. REPORT PUBLISHED BY USDA FOREST SERVICE, CALIFORNIA REGION. 1977-12-XX
UCBNDU0003	UCB - FORESTRY & CONSERVATION (UNIVERSITY OF CALIFORNIA, BERKELEY) - COPY OF INDEX CARDS FOR THE MARTES PENNANTI (PACIFICA) LOCATIONS USED IN SCHEMPF & WHITE 1977 (SCH77R0002). XXXX-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	14612	EO Index:	23362
Key Quad:	Ebbetts Pass (3811957)	Element Code:	AMAJF03010
Occurrence Number:	1	Occurrence Last Updated:	1989-08-10

Scientific Name:	<i>Gulo gulo</i>	Common Name:	California wolverine
Listing Status:	Federal: Proposed Threatened	Rare Plant Rank:	
	State: Threatened	Other Lists:	CDFW_FP-Fully Protected IUCN_NT-Near Threatened USFS_S-Sensitive
CNDDDB Element Ranks:	Global: G4		
	State: S1		

General Habitat:	Micro Habitat:
FOUND IN THE NORTH COAST MOUNTAINS AND THE SIERRA NEVADA. FOUND IN A WIDE VARIETY OF HIGH ELEVATION HABITATS.	NEEDS WATER SOURCE. USES CAVES, LOGS, BURROWS FOR COVER AND DEN AREA. HUNTS IN MORE OPEN AREAS. CAN TRAVEL LONG DISTANCES.

Last Date Observed:	1936-XX-XX	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	1936-XX-XX	Occurrence Rank:	Unknown
Owner/Manager:	USFS-STANISLAUS NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
WILLOW MEADOW, NE OF LOOKOUT PEAK; ALSO AT HERMIT VALLEY.

Detailed Location:

Ecological:

Threats:

General:

ONE OBSERVATION.

PLSS: T08N, R19E, Sec. 23, SE (M)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N4268224 E251275	Latitude/Longitude: 38.52768 / -119.85324	Elevation (feet): 8,000

County Summary:	Quad Summary:
Alpine	Ebbetts Pass (3811957)

Sources:
SCH78U0001 SCHEMPF, P. & M. WHITE - PHOTOCOPIES OF LOCALITY CARDS OF LOCALITIES OF WOLVERINE SIGHTINGS 1978-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 15005	EO Index: 23354	
Key Quad: Coleville (3811955)	Element Code: AMAJF03010	
Occurrence Number: 4	Occurrence Last Updated: 1989-08-10	

Scientific Name: <i>Gulo gulo</i>	Common Name: California wolverine
Listing Status:	Rare Plant Rank:
Federal: Proposed Threatened	
State: Threatened	Other Lists: CDFW_FP-Fully Protected
CNDDDB Element Ranks:	IUCN_NT-Near Threatened
Global: G4	USFS_S-Sensitive
State: S1	

General Habitat: FOUND IN THE NORTH COAST MOUNTAINS AND THE SIERRA NEVADA. FOUND IN A WIDE VARIETY OF HIGH ELEVATION HABITATS.	Micro Habitat: NEEDS WATER SOURCE. USES CAVES, LOGS, BURROWS FOR COVER AND DEN AREA. HUNTS IN MORE OPEN AREAS. CAN TRAVEL LONG DISTANCES.
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Last Date Observed: 1966-08-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1966-08-XX	Occurrence Rank: Unknown
Owner/Manager: UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
MINERAL MTN AREA OF POISON FLAT.

Detailed Location:

Ecological:

Threats:

General:

PLSS: T08N, R21E, Sec. 25, NW (M)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N4265657 E271128	Latitude/Longitude: 38.50990 / -119.62489	Elevation (feet): 8,080

County Summary:

Alpine

Quad Summary:

Lost Cannon Peak (3811945), Disaster Peak (3811946), Coleville (3811955), Wolf Creek (3811956)

Sources:
GUS80U0001 GUSTAFSON, J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FROM THE FILES OF GORDON GOULD, DEPT. OF FISH AND GAME 1980-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 14966	EO Index: 23358	
Key Quad: Wolf Creek (3811956)	Element Code: AMAJF03010	
Occurrence Number: 5	Occurrence Last Updated: 1989-08-10	

Scientific Name: <i>Gulo gulo</i>	Common Name: California wolverine
Listing Status:	Rare Plant Rank:
Federal: Proposed Threatened	
State: Threatened	Other Lists: CDFW_FP-Fully Protected
CNDDB Element Ranks:	IUCN_NT-Near Threatened
Global: G4	USFS_S-Sensitive
State: S1	

General Habitat: FOUND IN THE NORTH COAST MOUNTAINS AND THE SIERRA NEVADA. FOUND IN A WIDE VARIETY OF HIGH ELEVATION HABITATS.	Micro Habitat: NEEDS WATER SOURCE. USES CAVES, LOGS, BURROWS FOR COVER AND DEN AREA. HUNTS IN MORE OPEN AREAS. CAN TRAVEL LONG DISTANCES.
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Last Date Observed: 1967-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1967-XX-XX	Occurrence Rank: Unknown
Owner/Manager: UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
SNOWSLIDE CANYON, APPROX 3-3.5 MILES W OF ALPINE/MONO COUNTY LINE.

Detailed Location:

Ecological:

Threats:

General:

PLSS: T08N, R21E, Sec. 02, SW (M)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N4271538 E269406	Latitude/Longitude: 38.56240 / -119.64656	Elevation (feet): 7,250

County Summary:

Alpine

Quad Summary:

Wolf Creek (3811956)

Sources:
GUS80U0001 GUSTAFSON, J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FROM THE FILES OF GORDON GOULD, DEPT. OF FISH AND GAME 1980-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 14387	EO Index: 23361
Key Quad: Pacific Valley (3811958)	Element Code: AMAJF03010
Occurrence Number: 6	Occurrence Last Updated: 1989-08-10

Scientific Name: <i>Gulo gulo</i>	Common Name: California wolverine
Listing Status:	Rare Plant Rank:
Federal: Proposed Threatened	
State: Threatened	Other Lists: CDFW_FP-Fully Protected
CNDDDB Element Ranks:	IUCN_NT-Near Threatened
Global: G4	USFS_S-Sensitive
State: S1	

General Habitat: FOUND IN THE NORTH COAST MOUNTAINS AND THE SIERRA NEVADA. FOUND IN A WIDE VARIETY OF HIGH ELEVATION HABITATS.	Micro Habitat: NEEDS WATER SOURCE. USES CAVES, LOGS, BURROWS FOR COVER AND DEN AREA. HUNTS IN MORE OPEN AREAS. CAN TRAVEL LONG DISTANCES.
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Last Date Observed: 1967-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1967-XX-XX	Occurrence Rank: Unknown
Owner/Manager: UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
SE SLOPE OF MINERAL MTN IN SNOW CANYON (?) APPROX 1-1.5 MILES N-NW OF MEADOW LK.

Detailed Location:

Ecological:

Threats:

General:

PLSS: T09N, R18E, Sec. 27, NW (M)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N4277596 E239967	Latitude/Longitude: 38.60879 / -119.98630	Elevation (feet): 8,200

County Summary:

Alpine

Quad Summary:

Pacific Valley (3811958), Mokelumne Peak (3812051)

Sources:
SCH78U0001 SCHEMPF, P. & M. WHITE - PHOTOCOPIES OF LOCALITY CARDS OF LOCALITIES OF WOLVERINE SIGHTINGS 1978-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A4561	EO Index: 106254
Key Quad: Caples Lake (3812061)	Element Code: AMAJF04010
Occurrence Number: 537	Occurrence Last Updated: 2017-05-08

Scientific Name: <i>Taxidea taxus</i>	Common Name: American badger
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern
CNDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.	Micro Habitat: NEEDS SUFFICIENT FOOD, FRIABLE SOILS AND OPEN, UNCULTIVATED GROUND. PREYS ON BURROWING RODENTS. DIGS BURROWS.
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Last Date Observed: 2014-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2014-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
ABOUT 0.9 MILES NW OF CARSON PASS & 1.2 MILES SW OF RED LAKE PEAK, ELDORADO NATIONAL FOREST.

Detailed Location:
MAPPED TO PROVIDED SHAPEFILE. PLOT 3602, CAMERA B.

Ecological:
LODGEPOLE PINE FOREST.

Threats:
General:

DETECTED BY CAMERA TRAP BETWEEN 20 AUG AND 3 SEP 2014.

PLSS: T10N, R18E, Sec. 21, NE (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-10 N4287874 E760787	Latitude/Longitude: 38.70107 / -120.0012	Elevation (feet): 8,541

County Summary: Alpine	Quad Summary: Carson Pass (3811968), Caples Lake (3812061)
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Sources:
WRI16D0001 WRIGHT, D. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - MAMMAL CAMERA DETECTIONS FROM ECOREGIONAL BIODIVERSITY MONITORING PROGRAM, SIERRA NEVADA ECOREGION 2016-10-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	14440	EO Index:	16175
Key Quad:	Freel Peak (3811978)	Element Code:	CTT51110CA
Occurrence Number:	8	Occurrence Last Updated:	1998-07-16

Scientific Name:	<i>Sphagnum Bog</i>	Common Name:	Sphagnum Bog
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDDB Element Ranks:	Global: G3 State: S1.2	Other Lists:	

General Habitat:	<input type="checkbox"/>	Micro Habitat:	<input type="checkbox"/>
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Last Date Observed:	1985-08-12	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	1985-08-12	Occurrence Rank:	Excellent
Owner/Manager:	USFS-LAKE TAHOE BMU	Trend:	Unknown
Presence:	Presumed Extant		

Location:
GRASS LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:
IN 4 SECTIONS.

Ecological:
LARGEST SPHAGNUM BOG IN CA-A TRUE QUAKING BOG. SPHAGNUM PATCHY, DREPANOCLADUS (?) MORE WIDESPREAD. OPEN WATER W/INCIPIENT MOSS GROWTH, SHRUBS APPEAR TO BE INVADING EDGES-A TRUE HYDROSERE PER PAYLOR. WATER PH 5.5. 3 TYPES CARNIVOROUS PLANTS.

Threats:
THREATENED BY WINTER SALT RUNOFF FROM ROAD.

General:
WILL BE PROPOSED AS RNA BY USFS. SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS:	T11N, R18E, Sec. 23, NW (M)	Accuracy:	specific area	Area (acres):	292
UTM:	Zone-11 N4297755 E242759	Latitude/Longitude:	38.79104 / -119.96175	Elevation (feet):	7,720

County Summary:	Quad Summary:
El Dorado	Freel Peak (3811978)

Sources:

BIT85U0004	BITTMAN, R. & N. MCCARTEN - TRIP REPORT, GRASS LAKE, OSGOOD SWAMP. 1985-08-12
HOO77R0001	HOOD, L. - INVENTORY OF CALIFORNIA NATURAL AREAS, CALIFORNIA NATURAL AREAS COORDINATING COUNCIL 1977-XX-XX
REE81U0001	REED, S. - LETTER FROM SHERRY REED TO MARK MOORE DELINEATING 4 AREAS IN LAKE TAHOE BASIN MANAGEMENT AREA. 1981-XX-XX
SOD88U0001	SODERBERG, H. - LETTER TO JOYCE MULAOKA ABOUT SITE ASSESSMENT OF GRASS LAKE. 1988-09-08
USF84U0001	U.S. FOREST SERVICE - A SUMMARY OF RESEARCH NATURAL AREA STATUS 1984-11-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 95047	EO Index: 99882
Key Quad: Freel Peak (3811978)	Element Code: IHHYM24250
Occurrence Number: 159	Occurrence Last Updated: 2015-12-09

Scientific Name: <i>Bombus occidentalis</i>	Common Name: western bumble bee
Listing Status:	Rare Plant Rank:
Federal: None	
State: Candidate Endangered	Other Lists: USFS_S-Sensitive
CNDDDB Element Ranks:	
Global: G2G3	
State: S1	

General Habitat:
ONCE COMMON & WIDESPREAD, SPECIES HAS DECLINED PRECIPITOUSLY FROM CENTRAL CA TO SOUTHERN B.C., PERHAPS FROM DISEASE.

Micro Habitat:

Last Date Observed: 1948-07-18	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1948-07-18	Occurrence Rank: Unknown
Owner/Manager: USFS, DFG, UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
HOPE VALLEY.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB NON-SPECIFICALLY ACROSS THE EXTENT OF HOPE VALLEY, SOUTH OF LAKE TAHOE.

Ecological:
Threats:

General:
COLLECTED 18 JUL 1948.

PLSS: T11N, R18E, Sec. 25 (M)	Accuracy: non-specific area	Area (acres): 3,322
UTM: Zone-11 N4295287 E244943	Latitude/Longitude: 38.76945 / -119.93572	Elevation (feet): 7,100

County Summary: Alpine	Quad Summary: Carson Pass (3811968), Freel Peak (3811978)
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Sources:
SMI48S0005 SMITH, R. - EMEC #JPS20751 FROM HOPE VALLEY 1948-07-18



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 95047	EO Index: 98257	
Key Quad: Freel Peak (3811978)	Element Code: IHHYM24460	
Occurrence Number: 20	Occurrence Last Updated: 2015-07-28	

Scientific Name: <i>Bombus morrisoni</i>	Common Name: Morrison bumble bee
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_VU-Vulnerable
CNDDDB Element Ranks:	
Global: G4G5	
State: S1S2	

General Habitat: FROM THE SIERRA-CASCADE RANGES EASTWARD ACROSS THE INTERMOUNTAIN WEST.	Micro Habitat: FOOD PLANT GENERA INCLUDE CIRSIUM, CLEOME, HELIANTHUS, LUPINUS, CHRYSOTHAMNUS, AND MELILOTUS.
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Last Date Observed: 1935-09-11	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1935-09-11	Occurrence Rank: Unknown
Owner/Manager: USFS, DFG, UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
HOPE VALLEY.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB NON-SPECIFICALLY ACROSS THE EXTENT OF HOPE VALLEY, SOUTH OF LAKE TAHOE.

Ecological:

Threats:

General:
COLLECTED 11 SEP 1935.

PLSS: T11N, R18E, Sec. 25 (M)	Accuracy: non-specific area	Area (acres): 3,322
UTM: Zone-11 N4295287 E244943	Latitude/Longitude: 38.76945 / -119.93572	Elevation (feet): 7,000

County Summary: Alpine	Quad Summary: Carson Pass (3811968), Freel Peak (3811978)
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Sources:
CAZ35S0001 CAZIER, M. - AMNH BEE #25471 COLLECTED FROM HOPE VALLEY 1935-09-11



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 58760	EO Index: 98260
Key Quad: Woodfords (3811977)	Element Code: IHHYM24460
Occurrence Number: 21	Occurrence Last Updated: 2015-07-28

Scientific Name: <i>Bombus morrisoni</i>	Common Name: Morrison bumble bee
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_VU-Vulnerable
CNDDDB Element Ranks:	
Global: G4G5	
State: S1S2	

General Habitat: FROM THE SIERRA-CASCADE RANGES EASTWARD ACROSS THE INTERMOUNTAIN WEST.	Micro Habitat: FOOD PLANT GENERA INCLUDE CIRSIUM, CLEOME, HELIANTHUS, LUPINUS, CHRYSOTHAMNUS, AND MELILOTUS.
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Last Date Observed: 1962-10-18	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1962-10-18	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF, UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
WOODFORDS.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB IN GENERAL VICINITY OF WOODFORDS, ALONG WEST FORK CARSON RIVER.

Ecological:
Threats:

General:
COLLECTED 18 OCT 1962.

PLSS: T11N, R19E, Sec. 35 (M)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N4295671 E254687	Latitude/Longitude: 38.77567 / -119.82383	Elevation (feet): 5,600

County Summary: Alpine	Quad Summary: Woodfords (3811977)
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Sources:
ANO62S0004 ANONYMOUS - LACM ENTB #1476 COLLECTED FROM WOODFORDS 1962-10-18



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 97040	EO Index: 98281
Key Quad: Topaz Lake (3811965)	Element Code: IHHYM24460
Occurrence Number: 22	Occurrence Last Updated: 2015-07-30

Scientific Name: <i>Bombus morrisoni</i>	Common Name: Morrison bumble bee
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_VU-Vulnerable
CNDDDB Element Ranks:	
Global: G4G5	
State: S1S2	

General Habitat: FROM THE SIERRA-CASCADE RANGES EASTWARD ACROSS THE INTERMOUNTAIN WEST.	Micro Habitat: FOOD PLANT GENERA INCLUDE CIRSIUM, CLEOME, HELIANTHUS, LUPINUS, CHRYSOTHAMNUS, AND MELILOTUS.
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Last Date Observed: 1981-09-01	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1981-09-01	Occurrence Rank: Unknown
Owner/Manager: USFS-TOYIABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
MONITOR PASS SUMMIT.

Detailed Location:
MAPPED BY CNDDDB CENTERED AT MONITOR PASS. COLLECTION FROM EAST OF MONITOR PASS ALSO ATTRIBUTED TO THIS LOCATION.

Ecological:
Threats:

General:
COLLECTED 21 SEPT 1958 AND 1 SEPT 1981.

PLSS: T10N, R21E, Sec. 36 (M)	Accuracy: 3/5 mile	Area (acres): 0
UTM: Zone-11 N4284021 E272040	Latitude/Longitude: 38.67545 / -119.62045	Elevation (feet): 8,300

County Summary: Alpine	Quad Summary: Topaz Lake (3811965), Heenan Lake (3811966)
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Sources:

ANO58S0005	ANONYMOUS - LACM ENTB #1417 FROM HWY 89 E OF MONITOR PASS, 7000' 1958-09-21
SKI81S0001	SKILES, D. - EMEC #560673 & 560674 COLLECTED FROM MONITOR PASS SUMMIT 1981-09-01



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 45649	EO Index: 45649	
Key Quad: Woodfords (3811977)	Element Code: IILEPJ6056	
Occurrence Number: 1	Occurrence Last Updated: 2019-11-13	

Scientific Name: <i>Speyeria nokomis carsonensis</i>	Common Name: Carson Valley silverspot
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists:
CNDDB Element Ranks:	
Global: G3T1T2	
State: S1	

General Habitat: WET MEADOWS ALONG THE EASTERN BASE OF THE CARSON RANGE FROM SOUTHERN WASHOE CO. NEVADA TO NORTHERN ALPINE CO. CALIFORNIA	Micro Habitat: OCCURS AS ISOLATED COLONIES.
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Last Date Observed: 2009-08-23	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2009-08-23	Occurrence Rank: Unknown
Owner/Manager: PVT, UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
VICINITY OF FOOTHILL RD, 4 AIR MILES SOUTH OF NEVADA STATE ROUTE 207, NEAR THE ALPINE/DOUGLAS COUNTY LINE.

Detailed Location:
TYPE LOCALITY: "NEVADA: DOUGLAS COUNTY; CARSON VALLEY, SCOSSA RANCH. NEVADA STATE ROUTE 206, 3.6 MILES SOUTH OF NEVADA STATE ROUTE 207, 1463M, T12N R19E S26 ON USGS FREEL PEAK CALIF-NEV 15' QUADRANGLE."

Ecological:
MAPPED FEATURE INCLUDES SANFORD'S SCOSSA RANCH & PURSHIA-FOOTHILL SITES. AGRICULTURAL HABITAT WITH WET DEPRESSIONS AND UNPLowed FIELDS ON RANCH PROPERTY. UNCLEAR IF ANY SUITABLE HABITAT EXISTS ON CALIFORNIA SIDE OF THE BORDER.

Threats:
General:
HOLOTYPE & ALLOTYPE HOUSED AT ALLYN MUSEUM OF ENTOMOLOGY. PARATYPES: (432 MALES & 224 FEMALES), COLLECTED 1964-1989. DETECTED DURING SUMMER SURVEYS IN 2004, 2005, & 2006. UP TO 9 ADULTS PHOTOGRAPHED ON 23 AUGUST 2009.

PLSS: T12N, R19E, Sec. 26, NW (M)	Accuracy: 3/5 mile	Area (acres): 0
UTM: Zone-11 N4306641 E255389	Latitude/Longitude: 38.87461 / -119.81966	Elevation (feet): 4,800

County Summary: Alpine, Nevada State	Quad Summary: Woodfords (3811977), Minden (3811987)
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Sources:

BRO08I0001 BROCK, J. - PHOTOS OF SPEYERIA NOKOMIS CARSONENSIS TOPOTYPES (PINNED SPECIMENS) FROM SCOSSA RANCH, ACCESSED FROM [HTTP://WWW.BUTTERFLIESOFAMERICA.COM](http://www.butterfliesofamerica.com) 2008-XX-XX

EMM98B0001 EMMEL, T. (EDITOR) - SYSTEMATICS OF WESTERN NORTH AMERICAN BUTTERFLIES. MARIPOSA PRESS. GAINESVILLE, FLORIDA. 878 PP. 1998-XX-XX

LAN09I0001 LANE, J. - PHOTOS OF SPEYERIA NOKOMIS CARSONENSIS LIVE ADULTS AND HABITAT AT SCOSSA RANCH, ACCESSED FROM [HTTP://WWW.BUTTERFLIESOFAMERICA.COM](http://www.butterfliesofamerica.com) 2009-08-23

SAN06D0002 SANFORD, M. - SPREADSHEET OF 2004-2006 SURVEY DATA FOR SPEYERIA NOKOMIS CARSONENSIS AND CERCYONIS PEGALA CARSONENSIS 2006-XX-XX

SAN10A0001 SANFORD, M. - IMPROVING CONSERVATION AND MANAGEMENT OF THE IMPERILED CARSON VALLEY SILVERSPOT BUTTERFLY SPEYERIA NOKOMIS CARSONENSIS BASED ON RAPID ASSESSMENTS OF DISTRIBUTION, HABITAT & THREATS 2010-11-26



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B4361	EO Index: 117291
Key Quad: Heenan Lake (3811966)	Element Code: IILEPJ6056
Occurrence Number: 8	Occurrence Last Updated: 2019-11-04

Scientific Name: <i>Speyeria nokomis carsonensis</i>	Common Name: Carson Valley silverspot
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists:
CNDDB Element Ranks:	
Global: G3T1T2	
State: S1	

General Habitat: WET MEADOWS ALONG THE EASTERN BASE OF THE CARSON RANGE FROM SOUTHERN WASHOE CO. NEVADA TO NORTHERN ALPINE CO. CALIFORNIA	Micro Habitat: OCCURS AS ISOLATED COLONIES.
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Last Date Observed: 2006-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2006-XX-XX	Occurrence Rank: Unknown
Owner/Manager: DFW-HEENAN LAKE WA	Trend: Unknown
Presence: Presumed Extant	

Location:
BAGLEY VALLEY, ABOUT 0.25 MI S OF HEENAN RESERVOIR.

Detailed Location:
MAPPED TO COORDINATES GIVEN FOR "BAGLEY VALLEY" SITE.

Ecological:
Threats:

General:
DETECTED DURING 2006 SURVEYS.

PLSS: T09N, R21E, Sec. 10, NW (M)	Accuracy: 1/5 mile	Area (acres): 70
UTM: Zone-11 N4280429 E268417	Latitude/Longitude: 38.64218 / -119.66086	Elevation (feet): 7,113

County Summary: Alpine	Quad Summary: Heenan Lake (3811966)
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Sources:
SAN06D0002 SANFORD, M. - SPREADSHEET OF 2004-2006 SURVEY DATA FOR SPEYERIA NOKOMIS CARSONENSIS AND CERCYONIS PEGALA CARSONENSIS 2006-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	B4371	EO Index:	117299
Key Quad:	Woodfords (3811977)	Element Code:	IILEPJ6056
Occurrence Number:	9	Occurrence Last Updated:	2019-11-07

Scientific Name:	<i>Speyeria nokomis carsonensis</i>	Common Name:	Carson Valley silverspot
Listing Status:	Federal: None	Rare Plant Rank:	
	State: None	Other Lists:	
CNDDB Element Ranks:	Global: G3T1T2		
	State: S1		

General Habitat:	Micro Habitat:
WET MEADOWS ALONG THE EASTERN BASE OF THE CARSON RANGE FROM SOUTHERN WASHOE CO. NEVADA TO NORTHERN ALPINE CO. CALIFORNIA	OCCURS AS ISOLATED COLONIES.

Last Date Observed:	2006-XX-XX	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2006-XX-XX	Occurrence Rank:	Unknown
Owner/Manager:	UNKNOWN	Trend:	Unknown
Presence:	Presumed Extant		

Location:
VICINITY OF CARSON RIVER, ABOUT 1.4 MI NE OF CA-88 AT CARSON RIVER RD & 1.6 MI SW OF PAYNESVILLE.

Detailed Location:
MAPPED GENERALLY TO COORDINATES GIVEN FOR "CARSON RIVER RD SPRINGS" SITE. SPRINGS ON USGS TOPO AND VISIBLE IN AIR PHOTOS ARE ABOUT 0.1 MI S OF THE GIVEN COORDINATES.

Ecological:

Threats:

General:
DETECTED DURING 2006 SURVEYS.

PLSS:	T11N, R19E, Sec. 25, N (M)	Accuracy:	1/5 mile	Area (acres):	70
UTM:	Zone-11 N4297185 E257060	Latitude/Longitude:	38.78995 / -119.79708	Elevation (feet):	5,453

County Summary:	Quad Summary:
Alpine	Woodfords (3811977)

Sources:
SAN06D0002 SANFORD, M. - SPREADSHEET OF 2004-2006 SURVEY DATA FOR SPEYERIA NOKOMIS CARSONENSIS AND CERCYONIS PEGALA CARSONENSIS 2006-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B4373	EO Index: 117301
Key Quad: Woodfords (3811977)	Element Code: IILEPJ6056
Occurrence Number: 11	Occurrence Last Updated: 2019-11-08

Scientific Name: <i>Speyeria nokomis carsonensis</i>	Common Name: Carson Valley silverspot
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists:
CNDDDB Element Ranks:	
Global: G3T1T2	
State: S1	

General Habitat: WET MEADOWS ALONG THE EASTERN BASE OF THE CARSON RANGE FROM SOUTHERN WASHOE CO. NEVADA TO NORTHERN ALPINE CO. CALIFORNIA	Micro Habitat: OCCURS AS ISOLATED COLONIES.
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Last Date Observed: 2006-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2006-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
DIAMOND VALLEY, ABOUT 0.6 MI WNW OF THE INTXN OF DIAMOND VALLEY RD & AIRPORT RD; 2.3 MI W OF THE INTXN OF CA-88 & CA-89.

Detailed Location:
MAPPED GENERALLY TO COORDINATES GIVEN FOR "DIAMOND VALLEY SEEPS" SITE.

Ecological:
Threats:

General:
DETECTED DURING 2006 SURVEYS.

PLSS: T11N, R20E, Sec. 31, NW (M)	Accuracy: 1/5 mile	Area (acres): 70
UTM: Zone-11 N4295429 E258350	Latitude/Longitude: 38.7745 / -119.78163	Elevation (feet): 5,467

County Summary: Alpine	Quad Summary: Woodfords (3811977)
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Sources:
SAN06D0002 SANFORD, M. - SPREADSHEET OF 2004-2006 SURVEY DATA FOR SPEYERIA NOKOMIS CARSONENSIS AND CERCYONIS PEGALA CARSONENSIS 2006-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B4374	EO Index: 117302
Key Quad: Woodfords (3811977)	Element Code: IILEPJ6056
Occurrence Number: 12	Occurrence Last Updated: 2019-11-08

Scientific Name: <i>Speyeria nokomis carsonensis</i>	Common Name: Carson Valley silverspot
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists:
CNDDDB Element Ranks:	
Global: G3T1T2	
State: S1	

General Habitat: WET MEADOWS ALONG THE EASTERN BASE OF THE CARSON RANGE FROM SOUTHERN WASHOE CO. NEVADA TO NORTHERN ALPINE CO. CALIFORNIA	Micro Habitat: OCCURS AS ISOLATED COLONIES.
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Last Date Observed: 2006-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2006-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
NORTHWEST CORNER OF THE INTERSECTION OF FREDRICKSBURG LN AND CA-88, CARSON VALLEY.

Detailed Location:
MAPPED GENERALLY TO UTM COORDINATES GIVEN FOR "FREDRICKSBERG 88" SITE. DATUM NOT KNOWN; OTHER POINTS FROM DATASET LINED UP WITH HABITAT VISIBLE IN AIR PHOTOS WHEN PLOTTED IN NAD27, BUT THIS ONE DOES NOT LINE UP AS WELL.

Ecological:

Threats:

General:
DETECTED DURING 2006 SURVEYS.

PLSS: T11N, R20E, Sec. 7, NW (M)	Accuracy: 1/5 mile	Area (acres): 70
UTM: Zone-11 N4301810 E258588	Latitude/Longitude: 38.832 / -119.78113	Elevation (feet): 4,963

County Summary: Alpine	Quad Summary: Woodfords (3811977)
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Sources:
SAN06D0002 SANFORD, M. - SPREADSHEET OF 2004-2006 SURVEY DATA FOR SPEYERIA NOKOMIS CARSONENSIS AND CERCYONIS PEGALA CARSONENSIS 2006-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	B4375	EO Index:	117303
Key Quad:	Woodfords (3811977)	Element Code:	IILEPJ6056
Occurrence Number:	13	Occurrence Last Updated:	2019-11-08

Scientific Name:	<i>Speyeria nokomis carsonensis</i>	Common Name:	Carson Valley silverspot
Listing Status:	Federal: None State: None	Rare Plant Rank:	
CNDDB Element Ranks:	Global: G3T1T2 State: S1	Other Lists:	

General Habitat:	Micro Habitat:
WET MEADOWS ALONG THE EASTERN BASE OF THE CARSON RANGE FROM SOUTHERN WASHOE CO. NEVADA TO NORTHERN ALPINE CO. CALIFORNIA	OCCURS AS ISOLATED COLONIES.

Last Date Observed:	2006-XX-XX	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2006-XX-XX	Occurrence Rank:	Unknown
Owner/Manager:	PVT	Trend:	Unknown
Presence:	Presumed Extant		

Location:
 ABOUT 0.9 MI SW OF CA-88 WHERE IT CROSSES THE NV BORDER & 1.1 MI NNW OF THE INTXN OF Foothill Rd & FREDRICKSBURG LN.

Detailed Location:
 MAPPED GENERALLY TO UTM COORDINATES GIVEN FOR "GANSBERG SEEP" SITE.

Ecological:
 HABITAT TYPE CHARACTERIZED AS AGRICULTURAL.

Threats:
General:
 DETECTED DURING 2004 AND 2006 SURVEYS.

PLSS:	T11N, R19E, Sec. 1, NW (M)	Accuracy:	1/5 mile	Area (acres):	70
UTM:	Zone-11 N4303080 E257487	Latitude/Longitude:	38.84313 / -119.79425	Elevation (feet):	4,988

County Summary:	Quad Summary:
Alpine	Woodfords (3811977)

Sources:

SAN06D0002	SANFORD, M. - SPREADSHEET OF 2004-2006 SURVEY DATA FOR SPEYERIA NOKOMIS CARSONENSIS AND CERCYONIS PEGALA CARSONENSIS 2006-XX-XX
SAN10A0001	SANFORD, M. - IMPROVING CONSERVATION AND MANAGEMENT OF THE IMPERILED CARSON VALLEY SILVERSPOT BUTTERFLY SPEYERIA NOKOMIS CARSONENSIS BASED ON RAPID ASSESSMENTS OF DISTRIBUTION, HABITAT & THREATS 2010-11-26



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B4382	EO Index: 117310
Key Quad: Woodfords (3811977)	Element Code: IILEPJ6056
Occurrence Number: 18	Occurrence Last Updated: 2019-11-08

Scientific Name: <i>Speyeria nokomis carsonensis</i>	Common Name: Carson Valley silverspot
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists:
CNDDDB Element Ranks:	
Global: G3T1T2	
State: S1	

General Habitat: WET MEADOWS ALONG THE EASTERN BASE OF THE CARSON RANGE FROM SOUTHERN WASHOE CO. NEVADA TO NORTHERN ALPINE CO. CALIFORNIA	Micro Habitat: OCCURS AS ISOLATED COLONIES.
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Last Date Observed: 2006-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2006-XX-XX	Occurrence Rank: Unknown
Owner/Manager: UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
VICINITY OF CA-88 AT EMIGRANT TRAIL, JUST NORTH OF WOODFORDS.

Detailed Location:
MAPPED GENERALLY TO COORDINATES GIVEN FOR "WOODFORDS EAST MEADOW" SITE.

Ecological:
Threats:

General:
DETECTED DURING SURVEYS IN 2006.

PLSS: T11N, R19E, Sec. 26, SW (M)	Accuracy: 1/5 mile	Area (acres): 70
UTM: Zone-11 N4296515 E255044	Latitude/Longitude: 38.78337 / -119.82003	Elevation (feet): 5,682

County Summary: Alpine	Quad Summary: Woodfords (3811977)
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Sources:
SAN06D0002 SANFORD, M. - SPREADSHEET OF 2004-2006 SURVEY DATA FOR SPEYERIA NOKOMIS CARSONENSIS AND CERCYONIS PEGALA CARSONENSIS 2006-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: 60694

EO Index: 60730

Key Quad: Markleeville (3811967)

Element Code: IILEPK405G

Occurrence Number: 1

Occurrence Last Updated: 2005-03-24

Scientific Name: *Euphydryas editha monoensis*

Common Name: Mono checkerspot butterfly

Listing Status: **Federal:** None

Rare Plant Rank:

State: None

Other Lists: USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G5T2T3

State: S1S2

General Habitat:

Micro Habitat:

Last Date Observed: 1988-04-05

Occurrence Type: Natural/Native occurrence

Last Survey Date: 1988-04-05

Occurrence Rank: Unknown

Owner/Manager: UNKNOWN

Trend: Unknown

Presence: Presumed Extant

Location:

AIRPORT ROAD AT INDIAN CREEK RESERVOIR.

Detailed Location:

Ecological:

Threats:

General:

2 SPECIMENS DEPOSITED IN UC DAVIS BOHART MUSEUM OF ENTOMOLOGY.

PLSS: T10N, R20E, Sec. 04 (M)

Accuracy: 1/10 mile

Area (acres): 0

UTM: Zone-11 N4291552 E258581

Latitude/Longitude: 38.73967 / -119.77762

Elevation (feet): 5,610

County Summary:

Quad Summary:

Alpine

Markleeville (3811967)

Sources:

SHA05S0004 SHANKS, S. - LIST OF MUSEUM SPECIMENS AND LABEL DATA FROM BOHART MUSEUM OF ENTOMOLOGY. 2005-03-23



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B5122	EO Index: 118060
Key Quad: Freel Peak (3811978)	Element Code: IITRI77010
Occurrence Number: 15	Occurrence Last Updated: 2020-02-20

Scientific Name: <i>Desmona bethula</i>	Common Name: amphibious caddisfly
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists:
CNDDDB Element Ranks:	
Global: G2G3	
State: S2S3	

General Habitat: MOSTLY SMALL, FIRST ORDER STREAMS IN OPEN, WET MEADOWS. ALSO FOUND IN BEAVER PONDS AND SECOND ORDER STREAMS.	Micro Habitat: FINAL INSTAR LARVAE LEAVE THE WATER AT NIGHT TO FEED ON RIPARIAN VEGETATION AND RETURN TO WATER AT SUNRISE.
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Last Date Observed: 2013-08-13	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-08-13	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
STEVENS CREEK, ABOUT 1.4 MI NNW OF THE STEVENS PEAK SUMMIT AND 1.6 MI NE OF MEISS LAKE.

Detailed Location:
TAHOE AMBIENT BIOASSESSMENT STATION CODE 634S13209, MAPPED TO PROVIDED COORDINATES.

Ecological:

Threats:

General:
2 LARVAE DETECTED ON 13 AUG 2013.

PLSS: T10N, R18E, Sec. 3, SW (M)	Accuracy: 1/10 mile	Area (acres): 18
UTM: Zone-11 N4293497 E239989	Latitude/Longitude: 38.7519 / -119.992	Elevation (feet): 8,544

County Summary: Alpine	Quad Summary: Freel Peak (3811978)
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Sources:

CEDNDD0002	CALIFORNIA ENVIRONMENTAL EXCHANGE NETWORK (CEDEN) - EXTRACT OF BENTHIC RECORDS FOR DESMONA BETHULA FROM CEDEN ONLINE DATABASE, ACCESSED 13 FEB 2020. HTTPS://CEDEN.WATERBOARDS.CA.GOV/ XXXX-XX-XX
XER19D0002	XERCES SOCIETY - XERCES SOCIETY DATABASE FOR INVERTEBRATE SPECIES OF CONSERVATION CONCERN ON THE STANISLAUS, TAHOE, PLUMAS, AND EL DORADO NATIONAL FORESTS OF CALIFORNIA, ACCESSED 11 OCT 2019. 2019-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 92934	EO Index: 94082	
Key Quad: Freel Peak (3811978)	Element Code: NBMUS3C010	
Occurrence Number: 11	Occurrence Last Updated: 2014-06-27	

Scientific Name: <i>Helodium blandowii</i>	Common Name: Blandow's bog moss
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists: USFS_S-Sensitive
State: None	
CNDDDB Element Ranks:	
Global: G4	
State: S2	

General Habitat: MEADOWS AND SEEPS, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: MOSS GROWING ON DAMP SOIL, ESPECIALLY UNDER WILLOWS AMONG LEAF LITTER. 1490-3050 M.
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Last Date Observed: 2009-09-24	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2009-09-24	Occurrence Rank: Excellent
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
SOUTH END OF GRASS LAKE, APPROXIMATELY 0.7 AIR MILE WNW OF LUTHER PASS, LAKE TAHOE BASIN MANAGEMENT UNIT.

Detailed Location:
IN THE WEST 1/2 OF THE NE 1/4 OF SECTION 23.

Ecological:
HELODIUM PRESENT ON MULTIPLE HUMMOCKS IN A SMALL DRAINAGE. BOTH SIDES OF DRAINAGE IN SMALL PATCHES. ASSOCIATED WITH PINUS CONTORTA, AULACOMNIUM PALUSTRE, KALMIA POLIFOLIA SSP. MICROPHYLLA, SPHENOSCIADIUM CAPITELLATUM, VACCINIUM, ETC.

Threats:
HYDROLOGIC CHANGES.

General:
5 PATCHES WERE IDENTIFIED RANGING FROM JUST 20 X 20 INCHES (80% COVER) TO 6 FEET BY 1 FOOT (10% COVER) IN 2009. LTBMU OCCURRENCE HEBL2A.

PLSS: T11N, R18E, Sec. 23, NE (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4297515 E242961	Latitude/Longitude: 38.78893 / -119.95933	Elevation (feet): 7,600

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:
GRO09F0002 GROSS, S. & S. OSBRACK (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR HELODIUM BLANDOWII & MEESIA TRIQUETRA 2009-09-24



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 92936	EO Index: 94083	
Key Quad: Freel Peak (3811978)	Element Code: NBMUS3C010	
Occurrence Number: 12	Occurrence Last Updated: 2014-06-27	

Scientific Name: <i>Helodium blandowii</i>	Common Name: Blandow's bog moss
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists: USFS_S-Sensitive
State: None	
CNDDB Element Ranks:	
Global: G4	
State: S2	

General Habitat: MEADOWS AND SEEPS, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: MOSS GROWING ON DAMP SOIL, ESPECIALLY UNDER WILLOWS AMONG LEAF LITTER. 1490-3050 M.
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Last Date Observed: 2010-09-29	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2010-09-29	Occurrence Rank: Excellent
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
SOUTH SIDE OF THE NORTH END OF GRASS LAKE, APPROX 1.3 AIR MILES NW OF LUTHER PASS, LAKE TAHOE BASIN MANAGEMENT UNIT.

Detailed Location:
GRASS LAKE RESEARCH NATURAL AREA. NEAR THE COMMON CORNER OF SECTIONS 14, 15, 22, & 23.

Ecological:
UNDER PINUS CONTORTA AND SALIX EASTWOODIAE. ASSOCIATED WITH VACCINIUM ULIGINOSUM, AULACOMNIUM PALUSTRE, SPHAGNUM SP., DESCHAMPSIA DANTHONIOIDES, AND CAREX SP. NORTHERN ASPECT, 1% SLOPE.

Threats:
HYDROLOGIC CHANGES AND CLIMATE CHANGE.

General:
A 4 X 8 METER PATCH WITH 30% COVER OBSERVED AT WEST END OF OCCURRENCE IN 2009. MULTIPLE HUMMOCKS WHERE HELODIUM IS PRESENT IN 2010. LTBMU OCCURRENCE HEBL2B.

PLSS: T11N, R18E, Sec. 15, SE (M)	Accuracy: specific area	Area (acres): 18
UTM: Zone-11 N4297985 E242087	Latitude/Longitude: 38.79291 / -119.96956	Elevation (feet): 7,600

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:

ENG10F0013	ENGELHARDT, B. & C. MCKERNAN (U.S. FOREST SERVICE) - FIELD SURVEY FORM FOR HELODIUM BLANDOWII & MEESIA TRIQUETRA 2010-09-29
GRO09F0004	GROSS, S. & S. OSBRACK (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR HELODIUM BLANDOWII & MEESIA TRIQUETRA 2009-10-15



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 92937	EO Index: 94084	
Key Quad: Freel Peak (3811978)	Element Code: NBMUS3C010	
Occurrence Number: 13	Occurrence Last Updated: 2014-06-27	

Scientific Name: <i>Helodium blandowii</i>	Common Name: Blandow's bog moss
Listing Status:	
Federal: None	Rare Plant Rank: 2B.3
State: None	Other Lists: USFS_S-Sensitive
CNDDDB Element Ranks:	
Global: G4	
State: S2	

General Habitat: MEADOWS AND SEEPS, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: MOSS GROWING ON DAMP SOIL, ESPECIALLY UNDER WILLOWS AMONG LEAF LITTER. 1490-3050 M.
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Last Date Observed: 2011-08-04	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2011-08-04	Occurrence Rank: Good
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
JUST NW OF ARMSTRONG PASS AT THE HEAD OF TROUT CREEK, LAKE TAHOE BASIN MANAGEMENT UNIT.

Detailed Location:
IN THE NORTH 1/2 OF THE NE 1/4 OF SECTION 1.

Ecological:
GROWING UNDER SALIX ALONG FEN OUTLET. DOMINANTS INCLUDE SALIX ORESTERA, VACCINIUM ULIGINOSUM, PINUS CONTORTA, CAREX AQUATILIS, KALMIA, PERIDERIDIA, SENECIO TRIANGULARIS, ELEOCHARIS, BRYUM, AULACOMNIUM PALUSTRE, AND SPHAGNUM.

Threats:
General:
5% COVER IN A 7 X 8 METER AREA IN 2009, 1% COVER IN A 7 X 8 METER AREA IN 2011. LTBMU OCCURRENCE HEBL1.

PLSS: T11N, R18E, Sec. 01, NE (M)	Accuracy: specific area	Area (acres): 8
UTM: Zone-11 N4302563 E246952	Latitude/Longitude: 38.83551 / -119.91529	Elevation (feet): 8,580

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:

ENG11F0009	ENGELHARDT, B. & C. MCKERNAN - FIELD SURVEY FORM FOR HELODIUM BLANDOWII 2011-08-04
TOR09F0040	TORRES, C. & R. NICHOLS (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR HELODIUM BLANDOWII 2009-07-30



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 58555	EO Index: 45438
Key Quad: Freel Peak (3811978)	Element Code: NBMUS4L020
Occurrence Number: 3	Occurrence Last Updated: 2005-08-03

Scientific Name: <i>Meesia triquetra</i>	Common Name: three-ranked hump moss
Listing Status:	Rare Plant Rank: 4.2
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5	
State: S4	

General Habitat:
BOGS AND FENS, MEADOWS AND SEEPS, UPPER MONTANE CONIFEROUS FOREST, SUBALPINE CONIFEROUS FOREST.

Micro Habitat:
MOSS GROWING ON MESIC SOIL. SATURATED BOGS, FENS, SEEPS AND MEADOWS IN CONIFEROUS TO SUBALPINE FORESTS. 1300-2955 M.

Last Date Observed: 2004-09-21	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2004-09-21	Occurrence Rank: Good
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
GRASS LAKE, SOUTH OF HIGHWAY 89 WEST OF LUTHER PASS.

Detailed Location:
MAPPED BY CNDDDB AS THREE POLYGONS ON THE NORTH SIDE OF GRASS LAKE: WESTERN SMALL POLY FROM 2003 OBSERVATION, AND TWO LARGER EASTERN POLYS FROM 2004 SURVEYS. EXTENDS FROM SE 1/4 SECTION 15 TO NW 1/4 OF THE NE 1/4 OF SECTION 23.

Ecological:
WET MEADOW / FEN AREA. GROWING JUST OUTSIDE SHRUBS AND TREES AT EDGE, INTERMIXED WITH SPHAGNUM AND DREPANOCLADUS. WHEN VEGETATION BECOMES THICKER, AND VERY DENSE MONOCULTURE, M. TRIQUETRA DISAPPEARS.

Threats:
NO DISTURBANCES WHERE M. TRIQUETRA GROWS, BUT GENERAL AREA CAN BE DISTURBED BY ORV TRESPASS, CATTLE, & FOOT TRAFFIC.

General:
AREA NORTH OF GRASS LAKE SURVEYED IN 2004, BUT SOUTH AND WEST SIDE OF AREA NOT SURVEYED; MORE PLANTS WILL LIKELY BE FOUND.

PLSS: T11N, R18E, Sec. 14, S (M)	Accuracy: specific area	Area (acres): 24
UTM: Zone-11 N4298224 E242468	Latitude/Longitude: 38.79517 / -119.96527	Elevation (feet): 7,700

County Summary:	Quad Summary:
El Dorado	Freel Peak (3811978)

Sources:

GRO03F0001	GROSS, S. & A. HARDMAN - FIELD SURVEY FORM FOR MEESIA TRIQUETRA 2003-07-22
GRO04F0008	GROSS, S. - FIELD SURVEY FORM FOR MEESIA TRIQUETRA 2004-09-21
KOCNDS0003	KOCH & STEBBINS - KOCH #2316 HERBARIUM UNKNOWN (NOR00U0001) XXXX-XX-XX
NOR00U0001	NORRIS, D. & J. SHEVOCK - CONTRIBUTIONS TOWARD A BRYOFLOTA OF CALIFORNIA I: A SPECIMEN BASED CATALOGUE OF MOSSES AND A KEY TO SPECIES. PARTIAL DRAFT EDITION. 2000-05-07
NORNDS0012	NORRIS - NORRIS #71312 HERBARIUM UNKNOWN (CITED IN NOR00U0001) XXXX-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: 62175	EO Index: 62211
Key Quad: Freel Peak (3811978)	Element Code: NBMUS4L020
Occurrence Number: 7	Occurrence Last Updated: 2005-08-03

Scientific Name: <i>Meesia triquetra</i>	Common Name: three-ranked hump moss
Listing Status: Federal: None	Rare Plant Rank: 4.2
State: None	Other Lists:
CNDDDB Element Ranks: Global: G5	
State: S4	

General Habitat: BOGS AND FENS, MEADOWS AND SEEPS, UPPER MONTANE CONIFEROUS FOREST, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: MOSS GROWING ON MESIC SOIL. SATURATED BOGS, FENS, SEEPS AND MEADOWS IN CONIFEROUS TO SUBALPINE FORESTS. 1300-2955 M.
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Last Date Observed: 2004-10-05	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2004-10-05	Occurrence Rank: Excellent
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
ABOUT 3.2 MILES SOUTHWEST OF FREEL PEAK, AT HELL HOLE.

Detailed Location:
LOCATED IN WEST-CENTRAL AREA OF HELL HOLE (UTM ZONE 10, 765251E, 4301983N, NAD27). MAPPED IN THE NW 1/4 OF THE SW 1/4 OF SECTION 1.

Ecological:
MEADOW / FEN AREA. ASSOCIATED WITH BRYUM, CAREX VESICARIA, DREPANOCLADUS, ELEOCHARIS, JUNCUS, MIMULUS PRIMULOIDES, AND MUHLENBERGIA. GROWING AMONG OTHER BRYOPHYTES IN SCATTERED PATCHES.

Threats:
General:
GROWING IN VERY SCATTERED PATCHES IN 2004; ENTIRE AREA NOT SURVEYED.

PLSS: T11N, R18E, Sec. 01, SW (M)	Accuracy: specific area	Area (acres): 1
UTM: Zone-11 N4301863 E244322	Latitude/Longitude: 38.82846 / -119.94529	Elevation (feet): 7,700

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:
GRO04F0007 GROSS, S. - FIELD SURVEY FORM FOR MEESIA TRIQUETRA 2004-10-05



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	27942	EO Index:	20513
Key Quad:	Caples Lake (3812061)	Element Code:	PDAST20065
Occurrence Number:	3	Occurrence Last Updated:	2011-09-30

Scientific Name:	<i>Chaenactis douglasii</i> var. <i>alpina</i>	Common Name:	alpine dusty maidens
Listing Status:	Federal: None State: None	Rare Plant Rank:	2B.3
CNDDDB Element Ranks:	Global: G5T5 State: S2	Other Lists:	

General Habitat:	Micro Habitat:
ALPINE BOULDER AND ROCK FIELD.	OPEN, SUBALPINE TO ALPINE GRAVEL AND CREVICES; GRANITIC SUBSTRATE. 2362-3355 M.

Last Date Observed:	2006-08-XX	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2006-08-XX	Occurrence Rank:	Unknown
Owner/Manager:	USFS-ELDORADO NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
 NORTHWEST FACE OF ROUND TOP ABOUT 2 KM SW FROM WINNEMUCCA LAKE AT 9600 FEET ELEVATION, SSW OF CARSON PASS.
Detailed Location:
 MAPPED BY CNDDDB ON THE NW SLOPE OF ROUND TOP, CENTERED NEAR THE 9600 FOOT ELEVATION LINE, AS DESCRIBED BY TAYLOR.

Ecological:
 ON ALPINE TALUS.

Threats:
General:

MAIN SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1974 TAYLOR COLLECTION. SPECIMEN ANNOTATED TO C. DOUGLASII VAR. DOUGLASII >< VAR. ALPINA. 2006 PHOTO BY BERRY FROM ROUND TOP PEAK ALSO ATTRIBUTED HERE.

PLSS: T10N, R18E, Sec. 33 (M)	Accuracy: 2/5 mile	Area (acres): 0
UTM: Zone-10 N4284051 E760463	Latitude/Longitude: 38.66675 / -120.00635	Elevation (feet): 9,600

County Summary:	Quad Summary:
Alpine	Carson Pass (3811968), Caples Lake (3812061)

Sources:

BER06I0001	BERRY, L. - PHOTOS OF CHAENACTIS DOUGLASII VAR. ALPINA, CALPHOTOS ID #0000 0000 0407 3283 & 3284 2006-08-XX
TAY74S0001	TAYLOR, D. - TAYLOR #5019 DAV #65808 1974-09-09



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: 27943	EO Index: 20727
Key Quad: Freel Peak (3811978)	Element Code: PDAST20065
Occurrence Number: 4	Occurrence Last Updated: 2013-02-27

Scientific Name: <i>Chaenactis douglasii</i> var. <i>alpina</i>	Common Name: alpine dusty maidens
Listing Status: Federal: None	Rare Plant Rank: 2B.3
State: None	Other Lists:
CNDDB Element Ranks: Global: G5T5	
State: S2	

General Habitat: ALPINE BOULDER AND ROCK FIELD.	Micro Habitat: OPEN, SUBALPINE TO ALPINE GRAVEL AND CREVICES; GRANITIC SUBSTRATE. 2362-3355 M.
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Last Date Observed: 2009-07-25	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2009-07-25	Occurrence Rank: Fair
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
FREEL PEAK, NEAR SUMMIT.

Detailed Location:

Ecological:
OPEN, BARREN SUBALPINE / ALPINE. ALSO OCCURS WITH THE RARE DRABA ASTEROPHORA VAR. ASTEROPHORA AT THIS SITE.

Threats:
COLLECTION (ONE PLANT HAD BEEN DUG OUT FROM EITHER OCCURRENCE #4 OR #12), TRAMPLING FROM RECREATION.

General:
10 PLANTS OBSERVED BETWEEN THIS OCCURRENCE AND OCCURRENCE #12 IN 2009. HISTORIC COLLECTIONS FROM NEAR SUMMIT OF FREEL PEAK AND OBSERVATIONS BY TAYLOR (1970) AND GREENHOUSE (2006) ARE ALSO ATTRIBUTED TO THIS SITE.

PLSS: T12N, R18E, Sec. 25, SE (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4304937 E248199	Latitude/Longitude: 38.85724 / -119.90181	Elevation (feet): 10,700

County Summary: Alpine, El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:

BEY09F0001	BEYER, C. (U.S. FOREST SERVICE) - FIELD SURVEY FORM FOR CHAENACTIS DOUGLASII VAR. ALPINA 2009-07-25
GRE06U0001	GREENHOUSE, J. - OBSERVATION RECORD FOR CHAENACTIS DOUGLASII VAR. ALPINA, CALFLORA ID #JGR23866 2006-07-01
ROB45S0008	ROBBINS, G. - ROBBINS #2123 UC #907772 1945-08-12
SHA37S0013	SHARSMITH, C. - SHARSMITH #3494 UC #764219 1937-08-30
TAY70U0001	TAYLOR, D. - OBSERVATION RECORD FOR CHAENACTIS DOUGLASII VAR. ALPINA, CALFLORA ID #GR1968 1970-08-23



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 27944	EO Index: 20728
Key Quad: Freel Peak (3811978)	Element Code: PDAST20065
Occurrence Number: 5	Occurrence Last Updated: 2013-03-05

Scientific Name: <i>Chaenactis douglasii</i> var. <i>alpina</i>	Common Name: alpine dusty maidens
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5T5	
State: S2	

General Habitat: ALPINE BOULDER AND ROCK FIELD.	Micro Habitat: OPEN, SUBALPINE TO ALPINE GRAVEL AND CREVICES; GRANITIC SUBSTRATE. 2362-3355 M.
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Last Date Observed: 2012-09-25	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2012-09-25	Occurrence Rank: Good
Owner/Manager: USFS	Trend: Unknown
Presence: Presumed Extant	

Location:
ON NORTHWEST SLOPE AND SOUTH SLOPE OF JOBS SISTER.

Detailed Location:
2 POLYGONS MAPPED BASED ON 2011 AND 2012 SURVEYS. IN 2012, PLANTS WERE VERY SPARSELY SCATTERED THROUGHOUT A LARGE AREA, FROM WESTERN POLYGON (ON WEST RATHER THAN "NW SLOPE") ALONG SADDLE TOWARDS FREEL PEAK.

Ecological:
NW- AND S-FACING ALPINE SCREE SLOPES, LOOSE DECOMPOSING GRANITE. ASSOCIATED WITH PINUS ALBICAULIS, HULSEA ALGIDA, POLYGONUM SHASTENSE, PENSTEMON NEWBERRYI, ETC. THE RARE DRABA ASTEROPHORA VAR. ASTEROPHORA ALSO OCCURS HERE.

Threats:
CLIMATE CHANGE, OFF TRAIL HIKING.

General:
100 PLANTS OBSERVED ON S SLOPE OF PEAK IN 2011. 150-200 PLANTS ESTIMATED IN 2012; POP ESTIMATE DIFFICULT DUE TO SPARSELY SCATTERED PLANTS ACROSS SCREE SLOPES. COLLECTIONS FROM "JOBS SISTER" AND "JOBS SISTER PEAK" ARE ATTRIBUTED HERE.

PLSS: T12N, R19E, Sec. 31, NE (M)	Accuracy: specific area	Area (acres): 10
UTM: Zone-11 N4305236 E249726	Latitude/Longitude: 38.86037 / -119.88434	Elevation (feet): 10,500

County Summary: Alpine, El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:

CHR11F0051	CHRISTIE, K. - FIELD SURVEY FORM FOR CHAENACTIS DOUGLASII VAR. ALPINA 2011-08-17
HAR75S0002	HARDHAM, C. - HARDHAM #20542 CAS #895703 1975-08-03
JUS28S0001	JUSSEL - JUSSEL SN CAS #165681 1928-07-10
MCK12F0012	MCKNIGHT, S. & J. FEDORCHUK (U.S. FOREST SERVICE) - FIELD SURVEY FORM FOR CHAENACTIS DOUGLASII VAR. ALPINA 2012-09-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 63123	EO Index: 63215	
Key Quad: Carson Pass (3811968)	Element Code: PDAST20065	
Occurrence Number: 8	Occurrence Last Updated: 2005-11-07	

Scientific Name: <i>Chaenactis douglasii</i> var. <i>alpina</i>	Common Name: alpine dusty maidens
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5T5	
State: S2	

General Habitat: ALPINE BOULDER AND ROCK FIELD.	Micro Habitat: OPEN, SUBALPINE TO ALPINE GRAVEL AND CREVICES; GRANITIC SUBSTRATE. 2362-3355 M.
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Last Date Observed: 1967-09-03	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1967-09-03	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
ABOUT 1 MILE NORTHWEST OF CARSON PASS, SOUTHWEST SHOULDER OF RED LAKE PEAK.

Detailed Location:
BASED ON COLLECTION FROM "SOUTHWEST SHOULDER OF A PEAK JUST NORTH OF CARSON PASS, 9000 FEET" (KYHOS #67-91). CNDDDB ASSUMES THIS REFERS TO RED LAKE PEAK IMMEDIATELY NORTH; MAPPED AS BEST GUESS AT 9000 FEET ON SOUTHWEST SLOPES.

Ecological:
Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1967 KYHOS COLLECTION. NEEDS FIELDWORK.

PLSS: T10N, R18E, Sec. 15 (M)	Accuracy: 2/5 mile	Area (acres): 0
UTM: Zone-11 N4288449 E239423	Latitude/Longitude: 38.70630 / -119.99660	Elevation (feet): 9,000

County Summary: Alpine	Quad Summary: Carson Pass (3811968), Caples Lake (3812061)
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Sources:
KYH67S0001 KYHOS, D. - KYHOS #67-91 DAV #19677, UC #1777701, RSA #670077 1967-09-03



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	73337	EO Index:	74304
Key Quad:	Ebbetts Pass (3811957)	Element Code:	PDAST20065
Occurrence Number:	10	Occurrence Last Updated:	2009-01-06

Scientific Name:	<i>Chaenactis douglasii</i> var. <i>alpina</i>	Common Name:	alpine dusty maidens
Listing Status:	Federal: None State: None	Rare Plant Rank:	2B.3
CNDDDB Element Ranks:	Global: G5T5 State: S2	Other Lists:	

General Habitat:	Micro Habitat:
ALPINE BOULDER AND ROCK FIELD.	OPEN, SUBALPINE TO ALPINE GRAVEL AND CREVICES; GRANITIC SUBSTRATE. 2362-3355 M.

Last Date Observed:	1941-08-11	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	1941-08-11	Occurrence Rank:	Unknown
Owner/Manager:	USFS-STANISLAUS NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
PEAK EAST OF EBBETTS PASS.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS AROUND THE 9000 FEET ELEVATION AREA JUST EAST OF EBBETTS PASS BASED ON LOCATION AND ELEVATION INFORMATION ON COLLECTION LABEL.

Ecological:
Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1941 DEARING & DEARING COLLECTION. ID NEEDS VERIFICATION; MOREFIELD NOTES THAT THIS MAY BE C. ALPIGENA. NEEDS FIELDWORK.

PLSS: T08N, R20E, Sec. 17 (M)	Accuracy: 3/5 mile	Area (acres): 0
UTM: Zone-11 N4269649 E255692	Latitude/Longitude: 38.54172 / -119.80312	Elevation (feet): 9,000

County Summary:	Quad Summary:
Alpine	Ebbetts Pass (3811957)

Sources:
DEA41S0002 DEARING, H. & M. DEARING - DEARING #5661 SBBG #7885 1941-08-11



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 73338	EO Index: 74305
Key Quad: Freel Peak (3811978)	Element Code: PDAST20065
Occurrence Number: 11	Occurrence Last Updated: 2009-01-06

Scientific Name: <i>Chaenactis douglasii</i> var. <i>alpina</i>	Common Name: alpine dusty maidens
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5T5	
State: S2	

General Habitat: ALPINE BOULDER AND ROCK FIELD.	Micro Habitat: OPEN, SUBALPINE TO ALPINE GRAVEL AND CREVICES; GRANITIC SUBSTRATE. 2362-3355 M.
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Last Date Observed: 2006-09-12	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2006-09-12	Occurrence Rank: Unknown
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
HWY 89, 1.2 MILES WEST OF THE ALPINE COUNTY LINE, NEAR LUTHER PASS AND GRASS LAKE.

Detailed Location:
MAPPED BY CNDDDB ~1.2 ROAD MILES WEST OF THE ALPINE COUNTY LINE.

Ecological:
PINE FOREST AND WET MEADOW. GROWING IN AN OPEN, DRY, FLAT, ROCKY AREA.

Threats:

General:
MENTIONED AS "COMMON" IN 2006. NEEDS FIELDWORK.

PLSS: T11N, R18E, Sec. 14, SW (M)	Accuracy: non-specific area	Area (acres): 36
UTM: Zone-11 N4298356 E242484	Latitude/Longitude: 38.79636 / -119.96513	Elevation (feet): 7,750

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:
HEL06S0010 HELMKAMP, G. & E. HELMKAMP - HELMKAMP #11374 UCR #179217 2006-09-12



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 82708	EO Index: 83711	
Key Quad: Freel Peak (3811978)	Element Code: PDAST20065	
Occurrence Number: 12	Occurrence Last Updated: 2011-05-27	

Scientific Name: <i>Chaenactis douglasii</i> var. <i>alpina</i>	Common Name: alpine dusty maidens
Listing Status: Federal: None	Rare Plant Rank: 2B.3
State: None	Other Lists:
CNDDDB Element Ranks: Global: G5T5	
State: S2	

General Habitat: ALPINE BOULDER AND ROCK FIELD.	Micro Habitat: OPEN, SUBALPINE TO ALPINE GRAVEL AND CREVICES; GRANITIC SUBSTRATE. 2362-3355 M.
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Last Date Observed: 2009-07-25	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2009-07-25	Occurrence Rank: Fair
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
ALONG THE TAHOE RIM TRAIL JUST NW OF FREEL PEAK.

Detailed Location:

Ecological:
OPEN, BARREN SUBALPINE / ALPINE.

Threats:
COLLECTION (ONE PLANT HAD BEEN DUG OUT FROM EITHER OCCURRENCE #4 OR #12), TRAMPLING FROM RECREATION.

General:
10 PLANTS OBSERVED BETWEEN THIS OCCURRENCE AND OCCURRENCE #4 IN 2009. A 1970 TAYLOR COLLECTION FROM "FREEL PEAK, 10,000 FT" AND A 2006 MATSON PHOTO FROM "FREEL PEAK, ON APPROACH FROM FOUNTAIN PLACE, 9600 FT" ARE ALSO ATTRIBUTED HERE.

PLSS: T12N, R18E, Sec. 25, NE (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4305585 E247490	Latitude/Longitude: 38.86287 / -119.91021	Elevation (feet): 9,500

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:

BEY09F0001	BEYER, C. (U.S. FOREST SERVICE) - FIELD SURVEY FORM FOR CHAENACTIS DOUGLASII VAR. ALPINA 2009-07-25
MAT06I0006	MATSON, S. - PHOTOS OF CHAENACTIS DOUGLASII VAR. ALPINA, CALPHOTOS ID #0000 0000 0706 1585-1587 2006-07-01
TAY70S0004	TAYLOR, D. - TAYLOR #681 JEPS #89305 1970-08-23



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	79524	EO Index:	80497
Key Quad:	Markleeville (3811967)	Element Code:	PDAST2R0K0
Occurrence Number:	20	Occurrence Last Updated:	2015-12-16

Scientific Name:	<i>Crepis runcinata</i>	Common Name:	fiddleleaf hawksbeard
Listing Status:	Federal: None State: None	Rare Plant Rank:	2B.2
CNDDDB Element Ranks:	Global: G5 State: S3	Other Lists:	

General Habitat:	MOJAVEAN DESERT SCRUB, PINYON AND JUNIPER WOODLAND.	Micro Habitat:	MOIST, ALKALINE VALLEY BOTTOMS. 380-3110 M.
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Last Date Observed:	2010-08-03	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2010-08-03	Occurrence Rank:	Good
Owner/Manager:	DPR-GROVER HOT SPRINGS SP	Trend:	Unknown
Presence:	Presumed Extant		

Location:
 GROVER HOT SPRINGS STATE PARK; APPROXIMATELY 0.20 AIR MILE EAST OF SODA SPRING.

Detailed Location:
 WESTERN SIDE OF PARK. MAPPED BY CNDDDB IN THE NE 1/4 OF THE SW 1/4 SECTION 24 ACCORDING TO 2010 DEAN COORDINATES.

Ecological:
 MOIST, ALKALINE MEADOW FED BY RUN-OFF FROM HOT SPRINGS. DOMINATED BY SISYRINCHIUM IDAHOENSE, JUNCUS ARCTICUS, THELYPODIUM CRISPUM, ELEOCHARIS ROSTELLATA, TRIGLOCHIN MARITIMA, AND OTHER HERBS. GROWING ON EDGES OF DRAINAGES.

Threats:
General:
 THOUSANDS OF PLANTS OBSERVED IN 2010. A 1966 HOWELL COLLECTION FROM "GROVER HOT SPRINGS" IS ALSO ATTRIBUTED TO THIS SITE. IF SUBSPECIES ARE RECOGNIZED, THIS WOULD BE C. RUNCINATA SSP. HALLII.

PLSS: T10N, R19E, Sec. 24, SW (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4287025 E252746	Latitude/Longitude: 38.69731 / -119.84305	Elevation (feet): 5,878

County Summary:	Quad Summary:
Alpine	Markleeville (3811967)

Sources:

DEA10F0027	DEAN, E. - FIELD SURVEY FORM FOR CREPIS RUNCINATA 2010-06-29
DEA10S0001	DEAN, E. ET AL. - DEAN #6302 DAV #86682 & #97157 2010-06-29
DEA10S0002	DEAN, E. ET AL. - DEAN #6771 DAV #89980 2010-08-02
HOW66S0021	HOWELL, J. - HOWELL #41565 CAS #897212 1966-06-19
RIC10I0001	RICE, B. - PHOTOS OF CREPIS RUNCINATA, CALPHOTOS ID #0000 0000 0710 1959-1961 2010-07-18



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	58010	EO Index:	58035
Key Quad:	Ebbetts Pass (3811957)	Element Code:	PDBOR0A0R0
Occurrence Number:	6	Occurrence Last Updated:	2019-01-02

Scientific Name:	<i>Cryptantha crymophila</i>	Common Name:	subalpine cryptantha
Listing Status:	Federal: None State: None	Rare Plant Rank:	1B.3
CNDDDB Element Ranks:	Global: G3 State: S3	Other Lists:	

General Habitat:	Micro Habitat:
SUBALPINE CONIFEROUS FOREST.	ON DRY TALUS OF VOLCANIC FORMATION. 2680-3295 M.

Last Date Observed:	1960-08-06	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	1960-08-06	Occurrence Rank:	Unknown
Owner/Manager:	USFS-HUMBOLDT-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
 RAYMOND PEAK.

Detailed Location:
 MAPPED BY CNDDDB AS BEST GUESS AROUND RAYMOND PEAK. GIVEN ELEVATION IS 9000 FEET.

Ecological:
 DAMP TALUS. ASSOCIATED WITH PRIMULA SP.

Threats:
General:
 ONLY SOURCE IS 1960 HARDHAM COLLECTION. NEEDS FIELDWORK.

PLSS:	T09N, R19E, Sec. 25, E (M)	Accuracy:	2/5 mile	Area (acres):	280
UTM:	Zone-11 N4276613 E253278	Latitude/Longitude:	38.60375 / -119.83326	Elevation (feet):	9,000

County Summary:	Quad Summary:
Alpine	Ebbetts Pass (3811957)

Sources:
 HAR60S0107 HARDHAM, C. - HARDHAM #6510 RSA #182972 1960-08-06



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 58013	EO Index: 58038
Key Quad: Ebbetts Pass (3811957)	Element Code: PDBOR0A0R0
Occurrence Number: 7	Occurrence Last Updated: 2004-11-09

Scientific Name: <i>Cryptantha crymophila</i>	Common Name: subalpine cryptantha
Listing Status:	Rare Plant Rank: 1B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G3	
State: S3	

General Habitat: SUBALPINE CONIFEROUS FOREST.	Micro Habitat: ON DRY TALUS OF VOLCANIC FORMATION. 2680-3295 M.
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Last Date Observed: 1975-09-07	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1975-09-07	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF, TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
PEAK APPROXIMATELY 1 MILE SOUTHEAST OF WET MEADOWS RESERVOIR.

Detailed Location:

Ecological:
ROCKY SUBALPINE-ALPINE SAGE SCRUB COMMUNITY. ASSOCIATED WITH ARTEMISIA ARBUSCULA.

Threats:

General:
ONLY SOURCE IS 1975 TAYLOR COLLECTION. NEEDS FIELDWORK.

PLSS: T09N, R19E, Sec. 25, SW (M)	Accuracy: 1/10 mile	Area (acres): 0
UTM: Zone-11 N4275900 E252013	Latitude/Longitude: 38.59698 / -119.84751	Elevation (feet): 9,700

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:

TAY75F0001	TAYLOR, D. - FIELD SURVEY FORM FOR CRYPTANTHA CRYMOPHILA 1975-09-07
TAY75S0001	TAYLOR, D. - TAYLOR #5580 UC #1573189 1975-09-07



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 58018	EO Index: 58043
Key Quad: Pacific Valley (3811958)	Element Code: PDBOR0A0R0
Occurrence Number: 8	Occurrence Last Updated: 2019-01-04

Scientific Name: <i>Cryptantha crymophila</i>	Common Name: subalpine cryptantha
Listing Status:	Rare Plant Rank: 1B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G3	
State: S3	

General Habitat: SUBALPINE CONIFEROUS FOREST.	Micro Habitat: ON DRY TALUS OF VOLCANIC FORMATION. 2680-3295 M.
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Last Date Observed: 1962-08-06	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1962-08-06	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
3 AIR MILES DUE WEST OF PACIFIC GRADE SUMMIT (MOSQUITO LAKE).

Detailed Location:
"DUE WEST OF SANDY MEADOW, N OF EBBETS PASS ROAD (CA-4), ON RIDGE BETWEEN NORTH FORK STANISLAUS AND NORTH FORK MOKELUMNE RIVERS." GIVEN ELEVATION IS 8800 FEET. MAPPED BY CNDDDB AS A BEST GUESS.

Ecological:
ROCKY NORTHWEST-FACING SLOPE OF RIDGE ON MIOCENE VOLCANICS.

Threats:
General:
ONLY SOURCE IS 1962 STEBBINS COLLECTION. NEEDS FIELDWORK.

PLSS: T08N, R18E, Sec. 35 (M)	Accuracy: 3/5 mile	Area (acres): 776
UTM: Zone-11 N4266496 E241478	Latitude/Longitude: 38.50933 / -119.96486	Elevation (feet): 8,800

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:
STE62S0002 STEBBINS, G. - STEBBINS #6067 JEPS #30865 1962-08-06



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 58020	EO Index: 58045	
Key Quad: Freel Peak (3811978)	Element Code: PDBOR0A0R0	
Occurrence Number: 9	Occurrence Last Updated: 2019-01-02	

Scientific Name: <i>Cryptantha crymophila</i>	Common Name: subalpine cryptantha
Listing Status:	Rare Plant Rank: 1B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G3	
State: S3	

General Habitat: SUBALPINE CONIFEROUS FOREST.	Micro Habitat: ON DRY TALUS OF VOLCANIC FORMATION. 2680-3295 M.
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Last Date Observed: 2013-08-12	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-08-12	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
ON COLUMNAR FORMATION JUST EAST OF PICKETT PEAK, ABOVE HOPE VALLEY.

Detailed Location:
"ON RIDGELINE OF PEAK ~500 M SE OF SADDLE SE OF PICKETT PEAK. PLANTS FOUND WITHIN 50 M NNE FACE OF NARROW, STEEP RIDGELINE OF BROKEN VOLCANIC COLUMNAR FORMATION." MAPPED ACCORDING TO 2013 ROWE COORDINATES; POINT IS AT W EDGE OF OCCURRENCE.

Ecological:
HABITAT IS AREA OF GRAVELLY AND LOAMY SOILS FOUND BETWEEN COBBLE AND BOULDERS OF DRY TALUS OF BROKEN COLUMNAR VOLCANICS. ASSOCIATED WITH ELYMUS ELYMOIDES, PHLOX DIFFUSA, AGERATINA OCCIDENTALIS, RIBES CEREUM, SYMPHORICARPOS, ETC.

Threats:
CLIMATE CHANGES.

General:
ABOUT 60 PLANTS OBSERVED IN 2013. A 1973 TAYLOR COLLECTION FROM "JUST TO THE EAST OF PICKETT PEAK" IS ALSO ATTRIBUTED TO THIS SITE.

PLSS: T10N, R19E, Sec. 4, SW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4293538 E248130	Latitude/Longitude: 38.75463 / -119.89845	Elevation (feet): 8,950

County Summary: Alpine	Quad Summary: Freel Peak (3811978)
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Sources:

ROW13F0004	ROWE, C. & B. ENGELHARDT (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR CRYPTANTHA CRYMOPHILA 2013-08-12
TAY73S0002	TAYLOR, D. - TAYLOR #2641 DAV #62922 & #119018 1973-07-17



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B1778	EO Index: 113693
Key Quad: Ebbetts Pass (3811957)	Element Code: PDBOR0A0R0
Occurrence Number: 14	Occurrence Last Updated: 2019-01-02

Scientific Name: <i>Cryptantha crymophila</i>	Common Name: subalpine cryptantha
Listing Status:	Rare Plant Rank: 1B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G3	
State: S3	

General Habitat: SUBALPINE CONIFEROUS FOREST.	Micro Habitat: ON DRY TALUS OF VOLCANIC FORMATION. 2680-3295 M.
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Last Date Observed: 2012-07-25	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2012-07-25	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
ALONG THE PACIFIC CREST TRAIL ABOUT 1 AIR MILE NNW OF RAYMOND PEAK.

Detailed Location:
MAPPED AS 2 POLYGONS ACCORDING TO 2006 KELLEY COORDINATES AND 2012 RIPMA COORDINATES.

Ecological:
GROWING ON NORTH-FACING ANDESITIC GRAVEL SCREE OF A BARREN SLOPE. ADJACENT RIPARIAN AREA IS SALIX DOMINATED, UPLANDS WHERE PLANT IS GROWING IS ARTEMISIA TRIDENTATA AND MONARDELLA.

Threats:
General:
SITE BASED ON A 2006 KELLEY COLLECTION AND A 2012 RIPMA & KELLEY COLLECTION.

PLSS: T09N, R19E, Sec. 24, E (M)	Accuracy: specific area	Area (acres): 10
UTM: Zone-11 N4278216 E252865	Latitude/Longitude: 38.61805 / -119.83857	Elevation (feet): 8,150

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:

KEL06S0011	KELLEY, R. - KELLEY #1183 SDSU #20216 2006-08-02
RIP12S0002	RIPMA, L. & R. KELLEY - RIPMA #390 SDSU #20116 2012-07-25



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	B1779	EO Index:	113694
Key Quad:	Ebbetts Pass (3811957)	Element Code:	PDBOR0A0R0
Occurrence Number:	15	Occurrence Last Updated:	2019-01-02

Scientific Name:	<i>Cryptantha crymophila</i>	Common Name:	subalpine cryptantha
Listing Status:	Federal: None State: None	Rare Plant Rank:	1B.3
CNDDDB Element Ranks:	Global: G3 State: S3	Other Lists:	

General Habitat:	Micro Habitat:
SUBALPINE CONIFEROUS FOREST.	ON DRY TALUS OF VOLCANIC FORMATION. 2680-3295 M.

Last Date Observed:	2012-07-25	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2012-07-25	Occurrence Rank:	Unknown
Owner/Manager:	USFS-HUMBOLDT-TOIYABE NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
 ALONG THE PACIFIC CREST TRAIL ABOUT 1.5 AIR MILES NNW OF RAYMOND PEAK.

Detailed Location:
 OCCURS BOTH UP AND DOWNSLOPE OF THE PACIFIC CREST TRAIL. MAPPED ACCORDING TO 2006 KELLEY COORDINATES AND 2012 RIPMA COORDINATES.

Ecological:
 GROWING ON CONTOUR ACROSS WEST-FACING SLOPE OF OPEN LOOSE VOLCANIC SCREE/TALUS/GRITTY LOAMY CLAY. ASSOCIATES INCLUDE MONARDELLA ODORATISSIMA, MELICA, LYGOESMIA, SITANION HYSTRIX, MENTZELIA, ERIOGONUM UMBELLATUM, ERIOPHYLLUM LANATUM, ETC.

Threats:
General:
 SITE BASED ON A 2006 KELLEY COLLECTION AND A 2012 RIPMA & KELLEY COLLECTION.

PLSS:	T09N, R19E, Sec. 24, NW (M)	Accuracy:	80 meters	Area (acres):	5
UTM:	Zone-11 N4278719 E252268	Latitude/Longitude:	38.62242 / -119.8456	Elevation (feet):	8,100

County Summary:	Quad Summary:
Alpine	Ebbetts Pass (3811957)

Sources:
 KEL06S0012 KELLEY, R. - KELLEY #1180 SDSU #20215 2006-08-02
 RIP12S0003 RIPMA, L. & R. KELLEY - RIPMA #391 SDSU #20099 2012-07-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B1781	EO Index: 113696	
Key Quad: Ebbetts Pass (3811957)	Element Code: PDBOR0A0R0	
Occurrence Number: 16	Occurrence Last Updated: 2019-01-02	

Scientific Name: <i>Cryptantha crymophila</i>	Common Name: subalpine cryptantha
Listing Status:	Rare Plant Rank: 1B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G3	
State: S3	

General Habitat: SUBALPINE CONIFEROUS FOREST.	Micro Habitat: ON DRY TALUS OF VOLCANIC FORMATION. 2680-3295 M.
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Last Date Observed: 2012-07-25	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2012-07-25	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
ALONG THE PACIFIC CREST TRAIL ABOUT 1.4 AIR MILES NW OF RAYMOND PEAK.

Detailed Location:
MAPPED ACCORDING TO 2012 RIPMA COORDINATES; CNDDDB PRESUMES COORDINATES ARE FROM COLLECTION LABEL.

Ecological:
SLOPING RHYOLITE SLOPE. PERENNIAL ASSOCIATION OF OPEN AREAS WITH LEPTODACTYLON, MONARDELLA, AND ERICAMERIA. SURROUNDING FOREST IS RED FIR AND LODGEPOLE.

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2012 RIPMA COLLECTION.

PLSS: T09N, R19E, Sec. 23, SE (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4277487 E251216	Latitude/Longitude: 38.61104 / -119.85723	Elevation (feet): 8,200

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:
RIP12S0004 RIPMA, L. & R. KELLEY - RIPMA #393 SDSU #20101 2012-07-25



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 14533	EO Index: 20540
Key Quad: Freel Peak (3811978)	Element Code: PDBRA110D1
Occurrence Number: 1	Occurrence Last Updated: 2016-08-26

Scientific Name: <i>Draba asterophora</i> var. <i>asterophora</i>	Common Name: Tahoe draba
Listing Status:	Rare Plant Rank: 1B.2
Federal: None	Other Lists: USFS_S-Sensitive
State: None	
CNDDDB Element Ranks:	
Global: G2T2?	
State: S2?	

General Habitat: ALPINE BOULDER AND ROCK FIELD, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: ON OPEN TALUS SLOPES, ROCK OUTCROPS, AND CREVICES. ON DECOMPOSED GRANITE. 2770-3505 M.
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Last Date Observed: 2015-08-25	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2015-08-25	Occurrence Rank: Good
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
VICINITY OF FREEL PEAK, CARSON RANGE, SE OF LAKE TAHOE.

Detailed Location:
MAPPED BY CNDDDB AS 4 POLYGONS ACCORDING TO 2015 LTBMU DIGITAL DATA, AND 2009, 2011, & 2012 COORDINATES. INCLUDES FOREST SERVICE POPULATIONS DRASA1A-D, 1O.

Ecological:
ON GRANITIC SCREE, MOSTLY BETWEEN 10,000 FEET AND THE SUMMIT. ALPINE FELL-FIELDS WITH PINUS ALBICAULIS, PENSTEMON SP., ERYSIMUM PERENNE, PHLOX SPP, AND ERIOGONUM SPP. VERY SPARSE VEGETATION GROWING WHERE DRABA DOMINATES.

Threats:
HIKERS MAY THREATEN, TRAIL MAINTENANCE, CLIMATE CHANGE. SNOWMOBILES MAY VENTURE INTO SOME AREAS.

General:
UNKNOWN NUMBER SEEN IN 1978, 5,000 PLANTS SEEN IN 1990, 5000+ IN 1993, <10,000 IN 1997, 4000+ IN 2004 & 2009, 5200+ IN 2015. S-MOST & E-MOST POLYGONS: 200-500 PLANTS IN 2011, 1650-1950+ IN 2012. INCLUDES FORMER OCCS #2, 3 & 8.

PLSS: T12N, R19E, Sec. 31, W (M)	Accuracy: specific area	Area (acres): 171
UTM: Zone-11 N4305139 E248746	Latitude/Longitude: 38.85922 / -119.8956	Elevation (feet): 10,200

County Summary: Alpine, El Dorado	Quad Summary: Freel Peak (3811978)
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Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Sources:

BAA78F0001	BAAD, M. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 1978-10-04
DOY88S0001	DOYLE, L. & D. ALLESSIO - DOYLE SN UC #1553415 1988-07-23
EVA18S0001	EVANS, H. - EVANS SN UC #306809 1918-07-28
GIB97F0013	GIBSON, S. ET AL. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 1997-08-19
GRO04F0013	GROSS, S. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2004-08-11
GRO11F0009	GROSS, S. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2011-08-24
GRO11F0010	GROSS, S. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2011-08-24
HEA09F0033	HEARD, K. (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2009-08-18
HEA09F0034	HEARD, K. (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2009-08-18
HEA09F0035	HEARD, K. (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2009-08-18
IRI93F0005	IRIBARNE, D. & T. KUNDERT - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 1993-07-29
JEN09F0019	JENNINGS, M. (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2009-08-18
JUS28S0002	JUSSEL, M. - JUSSEL SN CAS #165635 1928-07-10
KNA79S0001	KNAPP, C. - KNAPP SN DAV #114862 1979-08-03
KUN90F0004	KUNDERT, A. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 1990-07-11
MCK12F0021	MCKNIGHT, S. & J. FEDORCHUK (U.S. FOREST SERVICE) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2012-09-25
MCK12F0024	MCKNIGHT, S. (U.S. FOREST SERVICE) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2012-09-08
PUT13U0001	PUTNAM, E. - ECOLOGY, PHYLOGENETICS AND CONSERVATION OF DRABA ASTEROPHORA COMPLEX: A RARE, ALPINE, ENDEMIC FROM LAKE TAHOE, USA 2013-12-XX
RAM15F0004	RAMBO, M. & C. ROWE (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2015-08-25
RAM15F0005	RAMBO, M. & C. ROWE (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2015-08-25
SHA37S0007	SHARSMITH, C. - SHARSMITH #3472 UC #1195340, CAS #870098 1937-08-30
SHA37S0008	SHARSMITH, C. - SHARSMITH #3503 UC #1195337, CAS #870099 1937-08-30
SHA37S0009	SHARSMITH, C. - SHARSMITH #3502 UC #1195338, CAS #870100 1937-08-30
SMI70S0001	SMITH, G. & A. NEILSON - SMITH #2684 JEPS #72051 1970-08-26
SMI70S0005	SMITH, G. - SMITH #2682 JEPS #72052 1970-08-26
SMI70S0006	SMITH, G. & A. NEILSON - SMITH #2685 JEPS #72050 1970-08-26
SMI74U0009	SMITH, D. - CNPS NOTE CARD EO #2 1974-07-21
STE15F0012	STEVENS, V. & C. ROWE (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2015-08-25
TAY70S0001	TAYLOR, D. - TAYLOR #0672 FSC 1970-08-15
TAY70S0005	TAYLOR, D. - TAYLOR #669 UC #1548493 1970-08-15
THO04F0013	THOMAS, K. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2004-08-31
THO04F0014	THOMAS, K. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2004-08-31
THO04F0015	THOMAS, K. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2004-08-31
USF15D0004	U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT - LAKE TAHOE BASIN MANAGEMENT UNIT 2015 RARE PLANT DATA 2015-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 14554	EO Index: 20536	
Key Quad: Freel Peak (3811978)	Element Code: PDBRA110D1	
Occurrence Number: 4	Occurrence Last Updated: 2016-09-08	

Scientific Name: <i>Draba asterophora</i> var. <i>asterophora</i>	Common Name: Tahoe draba
Listing Status:	Rare Plant Rank: 1B.2
Federal: None	Other Lists: USFS_S-Sensitive
State: None	
CNDDDB Element Ranks:	
Global: G2T2?	
State: S2?	

General Habitat: ALPINE BOULDER AND ROCK FIELD, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: ON OPEN TALUS SLOPES, ROCK OUTCROPS, AND CREVICES. ON DECOMPOSED GRANITE. 2770-3505 M.
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Last Date Observed: 2015-09-24	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2015-09-24	Occurrence Rank: Good
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
SOUTH END OF STAR LAKE, ON SLOPE BELOW JOBS SISTERS RIDGE, CARSON RANGE, SE OF LAKE TAHOE.

Detailed Location:
MAPPED BY CNDDDB AS 4 POLYGONS ACCORDING TO A 2003 GROSS MAP, 2009 & 2012 COORDINATES, AND 2015 USFS DATA. INCLUDES FOREST SERVICE POPULATIONS DRASA1I, 1J, 1L & 1M. GROSS (2003) NOTES THAT THERE ARE PROBABLY MORE PLANTS HIGHER UP SLOPE.

Ecological:
SUBALPINE CONIFEROUS MOUNTAIN HEMLOCK FOREST. ASSOCIATES INCLUDE TSUGA MERTENSIANA, PINUS ALBICAULIS, CASSIOPE MERTENSIANA, JUNCUS PARRYI, TONESTUS EXIMIUS, HIERACIUM HORRIDUM, JUNCUS PARRYI, OXYRIA DIGYNA, PENSTEMON NEWBERRYI, ETC.

Threats:
FOOT TRAFFIC FROM HIKERS ALONG TAHOE RIM TRAIL. STAR LAKE IS SOMETIMES USED AS A CAMPSITE. MUCH OF POP ON STEEP SLOPES.

General:
POP #S FOR PORTIONS OF SITE: >2000 PLANTS SEEN IN 1991, >500 IN 1992, >1000 IN 1993, >1138 IN 2003, 1340-1590 IN 2009, 6 PLANTS IN W POLYGON IN 2010, 1245 PLANTS IN TWO SE POLYGONS IN 2012, 1000+ PLANTS IN 2015.

PLSS: T12N, R19E, Sec. 30, SE (M)	Accuracy: specific area	Area (acres): 9
UTM: Zone-11 N4306524 E249490	Latitude/Longitude: 38.8719 / -119.88754	Elevation (feet): 9,400

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Sources:

ALL91F0009	ALLESSIO, D. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 1991-07-09
ALL92F0003	ALLESSIO, L. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 1992-07-19
ALL93F0012	ALLESSIO, L. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 1993-09-05
ENG10F0009	ENGELHARDT, B. (U.S. FOREST SERVICE) - FIELD SURVEY FORM FOR TONESTUS EXIMIUS & DRABA ASTEROPHORA VAR. ASTEROPHORA 2010-08-25
EVA20S0001	EVANS, H. - EVANS SN UC #311228 1920-06-11
GRO03F0002	GROSS, S. ET AL. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2003-08-07
GRO03F0003	GROSS, S. ET AL. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2003-08-07
GRO03F0004	GROSS, S. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2003-08-07
GRO03F0005	GROSS, S. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2003-08-07
HEA09F0025	HEARD, K. (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2009-07-22
HEA09F0027	HEARD, K. (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2009-07-22
JEN09F0020	JENNINGS, M. (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2009-07-22
MCK12F0013	MCKNIGHT, S. & D. UZES (U.S. FOREST SERVICE) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2012-08-08
MCK12F0022	MCKNIGHT, S. & D. UZES (U.S. FOREST SERVICE) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2012-08-08
STE15F0013	STEVENS, V. & C. ROWE (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2015-09-24
USF15D0004	U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT - LAKE TAHOE BASIN MANAGEMENT UNIT 2015 RARE PLANT DATA 2015-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 51156	EO Index: 51156
Key Quad: Woodfords (3811977)	Element Code: PDBRA110D1
Occurrence Number: 7	Occurrence Last Updated: 2003-04-29

Scientific Name: <i>Draba asterophora</i> var. <i>asterophora</i>	Common Name: Tahoe draba
Listing Status:	Rare Plant Rank: 1B.2
Federal: None	Other Lists: USFS_S-Sensitive
State: None	
CNDDDB Element Ranks:	
Global: G2T2?	
State: S2?	

General Habitat: ALPINE BOULDER AND ROCK FIELD, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: ON OPEN TALUS SLOPES, ROCK OUTCROPS, AND CREVICES. ON DECOMPOSED GRANITE. 2770-3505 M.
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Last Date Observed: 1989-07-12	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1989-07-12	Occurrence Rank: Excellent
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
NORTH AND NORTHWEST FACING SLOPES OF JOBS PEAK, ALONG RIDGE CONNECTING TO JOBS SISTER, CARSON RANGE, SE OF LAKE TAHOE.

Detailed Location:
MAPPED BY CNDDDB ACCORDING TO T-R-S PROVIDED BY DOYLE: T12N R19E NE 1/4 OF THE SE 1/4 OF SECTION 32 AND THE NW 1/4 OF THE SW 1/4 OF SECTION 33.

Ecological:
ALPINE PLANT COMMUNITY WITH LOW GROWING FLOWERING PLANTS. SOME TSUGA MERTENSIANA AND PINUS ALBICAULIS ALSO PRESENT. DECOMPOSED GRANITIC SOILS AND ROCK OUTCROPS, AREA SPARSE OF VEGETATION OVERALL.

Threats:
CASUAL HIKER USE. NO TRAIL EXISTS TO THIS AREA, SO CROSS-COUNTRY HIKING IS ONLY ACCESS.

General:
MORE THAN 2000 PLANTS OBSERVED BY DOYLE IN 1989. THIS SITE COULD BE CONSIDERED PART OF THE POPULATION ON JOBS SISTER (OCCURRENCE #1) ACCORDING TO SOURCE (BUT IT IS MORE THAN 0.25 MI AWAY).

PLSS: T12N, R19E, Sec. 33, SW (M)	Accuracy: non-specific area	Area (acres): 86
UTM: Zone-11 N4304929 E251570	Latitude/Longitude: 38.85813 / -119.86301	Elevation (feet): 10,000

County Summary: Alpine	Quad Summary: Woodfords (3811977)
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Sources:
DOY89F0001 DOYLE, L. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 1989-07-12



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 51158	EO Index: 51158	
Key Quad: Freel Peak (3811978)	Element Code: PDBRA110D1	
Occurrence Number: 9	Occurrence Last Updated: 2016-08-26	

Scientific Name: <i>Draba asterophora</i> var. <i>asterophora</i>	Common Name: Tahoe draba
Listing Status:	Rare Plant Rank: 1B.2
Federal: None	Other Lists: USFS_S-Sensitive
State: None	
CNDDB Element Ranks:	
Global: G2T2?	
State: S2?	

General Habitat: ALPINE BOULDER AND ROCK FIELD, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: ON OPEN TALUS SLOPES, ROCK OUTCROPS, AND CREVICES. ON DECOMPOSED GRANITE. 2770-3505 M.
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Last Date Observed: 2015-08-25	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2015-08-25	Occurrence Rank: Good
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
APPROXIMATELY 0.7 TO 1.7 AIR MILES NORTHWEST OF FREEL PEAK, SOUTH OF TRIMMER PEAK, CARSON RANGE, SE OF LAKE TAHOE.

Detailed Location:
MAPPED AS 8 POLYGONS ACCORDING TO A 2004 GROSS MAP & 2015 DIGITAL DATA (5 EASTERN POLYGONS) AND 2011 & 2012 COORDINATES (3 WESTERN POLYGONS). INCLUDES FOREST SERVICE POPULATIONS: DRASA1E, 1F, 1G, 1H, 1K, 1N.

Ecological:
DRY GRANITIC SCREE. DOMINANT PLANT SPECIES INCLUDE ARABIS PLATYSPERMA, CHAENACTIS SP, ERIOGONUM INCANUM, E. LOBBII, PINUS ALBICAULIS, POLYGONUM SHASTENSE, SILENE SP., CALYPTRIDIMUM UMBELLATUM, CASTILLEJA NANA, CAREX SP, ETC.

Threats:
TRAIL IN VICINITY OF POPULATIONS; HOWEVER, NOT MANY PEOPLE WOULD HIKE OFF TRAIL AND THIS IS LIKELY NOT A THREAT.

General:
1000+ IN 1989, 500 IN 1990, ~400 IN 1993. 5 EASTERN POLYGONS: A TOTAL OF 2204 PLANTS OBSERVED IN 2004, 1105-2255 PLANTS IN 2009, 5000+ IN 2015. 3 WESTERN POLYGONS: 224 PLANTS IN 2011 AND 168 PLANTS IN 2012.

PLSS: T12N, R18E, Sec. 25, NE (M)	Accuracy: specific area	Area (acres): 18
UTM: Zone-11 N4305779 E246884	Latitude/Longitude: 38.86444 / -119.91727	Elevation (feet): 9,600

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Sources:

DOY89F0002	DOYLE, L. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 1989-07-13
ENG11F0016	ENGELHARDT, B. & C. MCKERNAN - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2011-09-22
GRO04F0017	GROSS, S. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2004-08-11
GRO04F0018	GROSS, S. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2004-08-11
GRO04F0019	GROSS, S. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2004-08-11
GRO04F0020	GROSS, S. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2004-08-11
GRO04F0021	GROSS, S. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2004-08-11
HEA09F0026	HEARD, K. (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2009-08-18
HEA09F0032	HEARD, K. (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2009-08-18
IRI93F0003	IRIBARNE, D. & T. KUNDERT - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 1993-07-29
IRI93F0004	IRIBARNE, D. & T. KUNDERT - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 1993-07-29
IRI93F0005	IRIBARNE, D. & T. KUNDERT - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 1993-07-29
JEN09F0016	JENNINGS, M. (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2009-08-18
JEN09F0017	JENNINGS, M. (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2009-08-18
JEN09F0018	JENNINGS, M. (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2009-08-18
KUN90F0005	KUNDERT, A. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 1990-07-11
MCK12F0023	MCKNIGHT, S. & J. FEDORCHUK (U.S. FOREST SERVICE) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2012-09-10
RAM15F0006	RAMBO, M. & C. ROWE (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2015-08-25
USF15D0004	U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT - LAKE TAHOE BASIN MANAGEMENT UNIT 2015 RARE PLANT DATA 2015-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 88738	EO Index: 89746
Key Quad: Caples Lake (3812061)	Element Code: PDBRA110D1
Occurrence Number: 14	Occurrence Last Updated: 2015-07-21

Scientific Name: <i>Draba asterophora</i> var. <i>asterophora</i>	Common Name: Tahoe draba
Listing Status:	Rare Plant Rank: 1B.2
Federal: None	Other Lists: USFS_S-Sensitive
State: None	
CNDDDB Element Ranks:	
Global: G2T2?	
State: S2?	

General Habitat: ALPINE BOULDER AND ROCK FIELD, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: ON OPEN TALUS SLOPES, ROCK OUTCROPS, AND CREVICES. ON DECOMPOSED GRANITE. 2770-3505 M.
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Last Date Observed: 1972-07-09	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1972-07-09	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
NORTH-FACING SLOPE OF ROUND TOP, SOUTH OF CARSON PASS.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS BASED ON LOCATION DESCRIPTION. MOREFIELD NOTES THAT OCCURRENCES OF VAR. ASTEROPHORA OUTSIDE THE LAKE TAHOE BASIN AREA MAY BE MIS-IDS.

Ecological:
ABOVE TIMBERLINE ON GRANITIC SUBSTRATE.

Threats:
General:
ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1972 TAYLOR COLLECTION. COLLECTION IDENTIFIED AS "DRABA ASTEROPHORA"; MAPPED BY CNDDDB AS VARIETY ASTEROPHORA SINCE THIS LOCATION BETTER FITS IN THIS VARIETY'S RANGE.

PLSS: T10N, R18E, Sec. 33 (M)	Accuracy: 2/5 mile	Area (acres): 0
UTM: Zone-10 N4284042 E760879	Latitude/Longitude: 38.66656 / -120.00157	Elevation (feet): 9,500

County Summary: Alpine	Quad Summary: Carson Pass (3811968), Caples Lake (3812061)
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Sources:
SIM14U0001 SIMS, A. - EMAIL REGARDING DRABA ASTEROPHORA VAR. ASTEROPHORA OCCURRENCES IN CALIFORNIA 2014-04-03
TAY72S0011 TAYLOR, D. - TAYLOR #1717 DAV #126419 1972-07-09



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 88739	EO Index: 89747
Key Quad: Freel Peak (3811978)	Element Code: PDBRA110D1
Occurrence Number: 15	Occurrence Last Updated: 2016-08-26

Scientific Name: <i>Draba asterophora</i> var. <i>asterophora</i>	Common Name: Tahoe draba
Listing Status:	Rare Plant Rank: 1B.2
Federal: None	Other Lists: USFS_S-Sensitive
State: None	
CNDDB Element Ranks:	
Global: G2T2?	
State: S2?	

General Habitat: ALPINE BOULDER AND ROCK FIELD, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: ON OPEN TALUS SLOPES, ROCK OUTCROPS, AND CREVICES. ON DECOMPOSED GRANITE. 2770-3505 M.
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Last Date Observed: 2013-07-30	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-07-30	Occurrence Rank: Good
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
APPROXIMATELY 400 METERS SOUTH OF SOUTHERN EDGE OF HELL HOLE MEADOW, 3.7 AIR MILES SSW OF FREEL PEAK, CARSON RANGE.

Detailed Location:
IN THE FAR WEST HALF OF THE NW 1/4 OF SECTION 12. LTBMU POPULATION DRASA4.

Ecological:
VERY STEEP (40-50 DEGREES) SCREE CHUTE. THIN LOOSE LAYER OF DG SCREE ON TOP AND INTERSPERSED WITH MANY GRANITE BOULDERS. NORTH-FACING SLOPE. ASSOCIATED WITH PINUS ALBICAULIS, TSUGA MERTENSIANA, ERIOGONUM LOBBII, LUZULA DIVARICATA, ETC.

Threats:

General:

250+ PLANTS OBSERVED IN 2011, 300+ PLANTS ESTIMATED IN 2013. POPULATION IN SCREE CHUTE WHICH IS BORDERED BY BOULDER WALLS ON BOTH SIDES AND EXTENDS BELOW AND TO THE EAST, SPORADICALLY CLUSTERED OVER 180 METERS.

PLSS: T11N, R18E, Sec. 12, NW (M)	Accuracy: specific area	Area (acres): 6
UTM: Zone-11 N4300691 E244193	Latitude/Longitude: 38.81787 / -119.94635	Elevation (feet): 9,100

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:

CHR11F0039	CHRISTIE, K. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2011-08-31
CHR11S0002	CHRISTIE, K. - CHRISTIE #2085 SEINET #8892819, ASC 2011-08-31
RAM13F0005	RAMBO, M. & W. RAITTER (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2013-07-30
USF13D0002	U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT - LAKE TAHOE BASIN MANAGEMENT UNIT 2013 RARE PLANT DATA 2013-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 88740	EO Index: 89749
Key Quad: Freel Peak (3811978)	Element Code: PDBRA110D1
Occurrence Number: 16	Occurrence Last Updated: 2016-09-08

Scientific Name: <i>Draba asterophora</i> var. <i>asterophora</i>	Common Name: Tahoe draba
Listing Status:	Rare Plant Rank: 1B.2
Federal: None	Other Lists: USFS_S-Sensitive
State: None	
CNDDB Element Ranks:	
Global: G2T2?	
State: S2?	

General Habitat: ALPINE BOULDER AND ROCK FIELD, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: ON OPEN TALUS SLOPES, ROCK OUTCROPS, AND CREVICES. ON DECOMPOSED GRANITE. 2770-3505 M.
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Last Date Observed: 2011-08-17	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2011-08-17	Occurrence Rank: Good
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
APPROXIMATELY 400 METERS NE OF JOBS SISTER AND APPROX 900 METERS SSE OF STAR LAKE, EAST OF FREEL PEAK, CARSON RANGE.

Detailed Location:
IN THE FAR NW 1/4 OF THE NW 1/4 OF SECTION 32. LTBMU POPULATION DRASA1P.

Ecological:
STEEP, SOUTH-FACING ALPINE SCREE SLOPE OF LOOSE, DECOMPOSED GRANITE AND SCATTERED BOULDERS. AREA OPEN AND EXPOSED. ASSOCIATES INCL PINUS ALBICAULIS, ERIOGONUM LOBBII, HULSEA ALGIDA, MIMULUS NUTTALLII VAR. GRACILIS, AND CHAENACTIS ALPIGENA.

Threats:
VERY FEW VISITORS/DISTURBANCE IN THIS AREA.

General:
300 PLANTS OBSERVED IN 2011. POPULATION COVERS A 50 X 20 METER AREA.

PLSS: T12N, R19E, Sec. 32, NW (M)	Accuracy: specific area	Area (acres): 1
UTM: Zone-11 N4305788 E249986	Latitude/Longitude: 38.86541 / -119.88155	Elevation (feet): 10,500

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:
CHR11F0052 CHRISTIE, K. - FIELD SURVEY FORM FOR DRABA ASTEROPHORA VAR. ASTEROPHORA 2011-08-17
CHR11S0001 CHRISTIE, K. - CHRISTIE #2062 SEINET #8892795, ASC 2011-08-17



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B5062	EO Index: 117999
Key Quad: Carson Pass (3811968)	Element Code: PDBRA11210
Occurrence Number: 16	Occurrence Last Updated: 2020-02-07

Scientific Name: <i>Draba praealta</i>	Common Name: tall draba
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: MEADOWS AND SEEPS.	Micro Habitat: MESIC SITES. 2515-3900 M.
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Last Date Observed: 1974-07-26	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1974-07-26	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
NORTH FACING CLIFFS ALONG DEVILS CORRAL CREEK, CARSON PASS.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB AROUND NORTH-FACING SLOPES ABOVE DEVILS CORRAL CREEK.

Ecological:
MOIST.

Threats:
General:

ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1974 TAYLOR COLLECTION; COLLECTION ANNOTATED TO D. PRAEALTA BY R. A. PRICE IN 2017. NEEDS FIELDWORK.

PLSS: T09N, R18E, Sec. 15 (M)	Accuracy: 3/5 mile	Area (acres): 776
UTM: Zone-11 N4279831 E240758	Latitude/Longitude: 38.62913 / -119.97806	Elevation (feet): 8,400

County Summary: Alpine	Quad Summary: Pacific Valley (3811958), Carson Pass (3811968)
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Sources:
TAY74S0029 TAYLOR, D. - TAYLOR #4428 DAV #114916 & #66622 1974-07-26



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 72978

EO Index: 73889

Key Quad: Freel Peak (3811978)

Element Code: PDLNT020E0

Occurrence Number: 5

Occurrence Last Updated: 2008-11-21

Scientific Name: *Utricularia ochroleuca*

Common Name: cream-flowered bladderwort

Listing Status: **Federal:** None

Rare Plant Rank: 2B.2

State: None

Other Lists:

CNDDDB Element Ranks: **Global:** G4G5

State: S1

General Habitat:

MEADOWS AND SEEPS, MARSHES AND SWAMPS.

Micro Habitat:

MESIC SITES, INCLUDING LAKE MARGINS. 1310-2350 M.

Last Date Observed: 2004-08-07

Occurrence Type: Natural/Native occurrence

Last Survey Date: 2004-08-07

Occurrence Rank: Unknown

Owner/Manager: USFS-LAKE TAHOE BMU

Trend: Unknown

Presence: Presumed Extant

Location:

GRASS LAKE, NEAR LUTHER PASS.

Detailed Location:

MAPPED ACCORDING TO COORDINATE INFORMATION MENTIONED IN A 2005 RICE ARTICLE; DATUM UNKNOWN.

Ecological:

IN STERILE CONDITION IN A FEW CM OF WATER ON THE FLOATING VEGETATION MAT.

Threats:

General:

A SMALL POPULATION FIRST DOCUMENTED IN 2004.

PLSS: T11N, R18E, Sec. 14, SW (M)

Accuracy: 80 meters

Area (acres): 0

UTM: Zone-11 N4298241 E242288

Latitude/Longitude: 38.79527 / -119.96734

Elevation (feet): 7,710

County Summary:

El Dorado

Quad Summary:

Freel Peak (3811978)

Sources:

RIC05A0001 RICE, B. - NOTEWORTHY COLLECTIONS. MADRONO 52(4): 272. 2005-01-01



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 14440	EO Index: 43278	
Key Quad: Freel Peak (3811978)	Element Code: PDONA060R0	
Occurrence Number: 1	Occurrence Last Updated: 2000-07-28	

Scientific Name: <i>Epilobium palustre</i>	Common Name: marsh willowherb
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5	
State: S2	

General Habitat: BOGS AND FENS, MEADOWS AND SEEPS.	Micro Habitat: MESIC SITES. 1655-2350 M.
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Last Date Observed: XXXX-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: XXXX-XX-XX	Occurrence Rank: Unknown
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
GRASS LAKE. ABOUT 1.2 MILES NORTH OF WATERHOUSE PEAK.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED IN BOGGY AREAS AROUND GRASS LAKE.

Ecological:

Threats:

General:

PLSS: T11N, R18E, Sec. 23 (M)	Accuracy: specific area	Area (acres): 292
UTM: Zone-11 N4297755 E242759	Latitude/Longitude: 38.79104 / -119.96175	Elevation (feet): 7,700

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:

CLI96U0003	CLIFTON, G. - INVENTORY 6 PROPOSED CHANGES REVIEW (INCLUDES INFO FOR SEVERAL TAXA) 1996-02-06
CNP98U0001	CNPS RARE PLANT PROGRAM - RPSAC REGIONAL GROUP FINAL RECOMMENDATION (NEW ADDITION) FOR EPILOBIUM PALUSTRE. 1998-04-13
JEP93B0001	JEPSON, W. - MANUAL OF THE FLOWERING PLANTS OF CALIFORNIA 1993-XX-XX



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: 72778	EO Index: 73618
Key Quad: Ebbetts Pass (3811957)	Element Code: PDONA06180
Occurrence Number: 16	Occurrence Last Updated: 2008-11-18

Scientific Name: <i>Epilobium howellii</i>	Common Name: subalpine fireweed
Listing Status:	Rare Plant Rank: 4.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G4	
State: S4	

General Habitat: MEADOWS AND SEEPS, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: WET MEADOWS, MOSSY SEEPS. 2000-3120 M.
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Last Date Observed: 2007-07-31	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2007-07-31	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
E END OF WILLOW MEADOW NEAR GROUSE CREEK, SW OF BLACK DOME.

Detailed Location:
ON THE E BANK OF A SMALL N-S STREAM AND TO THE RIGHT OF THE TRAIL. MAPPED ACCORDING TO TRS INFORMATION ON A 2007 HAMILTON & CARTER FIELD SURVEY FORM IN THE SW1/4 OF THE SE1/4 OF SEC 23.

Ecological:
LOGEPOLE PINE, RED FIRE, WILLOW, CORN LILY, EPILOBIUM, MIMULUS, PURPLE ERIGERON, ALDER. IN SANDY, DECOMPOSED GRANITE.

Threats:
POSSIBLE THREATS INCL "CATTLE TRAIL WITHIN 10 FT, SOME POCK MARK FROM CATTLE, WASHOUT OF STREAM BANK POSSIBLE".

General:
<50 PLANTS SEEN IN 2007.

PLSS: T08N, R19E, Sec. 23, SE (M)	Accuracy: non-specific area	Area (acres): 51
UTM: Zone-11 N4268030 E251292	Latitude/Longitude: 38.52594 / -119.85297	Elevation (feet): 7,000

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:
HAM07F0003 HAMILTON, K. & R. CARTER - FIELD SURVEY FORM FOR EPILOBIUM HOWELLII 2007-07-31



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	72779	EO Index:	73619
Key Quad:	Freel Peak (3811978)	Element Code:	PDONA06180
Occurrence Number:	17	Occurrence Last Updated:	2008-11-03

Scientific Name:	<i>Epilobium howellii</i>	Common Name:	subalpine fireweed
Listing Status:	Federal: None State: None	Rare Plant Rank:	4.3
CNDDDB Element Ranks:	Global: G4 State: S4	Other Lists:	

General Habitat:	Micro Habitat:
MEADOWS AND SEEPS, SUBALPINE CONIFEROUS FOREST.	WET MEADOWS, MOSSY SEEPS. 2000-3120 M.

Last Date Observed:	2007-07-02	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2007-07-02	Occurrence Rank:	Good
Owner/Manager:	USFS-LAKE TAHOE BMU	Trend:	Unknown
Presence:	Presumed Extant		

Location:
 AT THE END OF FOUNTAIN PLACE/ONEIDAS ROAD, SW OF TRIMMER PEAK.

Detailed Location:
 MAPPED ACC TO 2007 GPS COORDINATES FROM GROSS & OSBRACK. 2 CLUSTERS OF PLANTS FOUND HERE; THE 1ST CLUSTER IS ON THE S SIDE OF ARMSTRONG PASS TRAILHEAD & E SIDE OF STREAM WHILE THE 2ND CLUSTER IS IN THE DIRT PATH JUST BEFORE TRAILHEAD.

Ecological:
 1ST CLUSTER WAS FOUND IN LOW GROWING VEGETATION WITH A W ASPECT AND PARTIAL SHADE; ASSOCIATES INCL SALIX SP., ALNUS INCANA, CAREX SPP, MIMULUS GUTTATUS, EPILOBIUM CILIATUM, SENECIO TRIANGULARIS, ETC. 2ND CLUSTER IN SPARSE, DRY VEGETATION.

Threats:
 FOREST SYSTEM TRAIL AND RECREATIONAL USE.

General:
 50 PLANTS SEEN IN 2007 (25 PLANTS IN EACH COLONY).

PLSS: T12N, R18E, Sec. 25, SW (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4304876 E244845	Latitude/Longitude: 38.85572 / -119.94039	Elevation (feet): 7,640

County Summary:	Quad Summary:
El Dorado	Freel Peak (3811978)

Sources:
 GRO07F0002 GROSS, S. & S. OSBRACK - FIELD SURVEY FORM FOR EPILOBIUM HOWELLII 2007-07-02



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	72780	EO Index:	73620
Key Quad:	Freel Peak (3811978)	Element Code:	PDONA06180
Occurrence Number:	18	Occurrence Last Updated:	2008-11-03

Scientific Name:	<i>Epilobium howellii</i>	Common Name:	subalpine fireweed
Listing Status:	Federal: None State: None	Rare Plant Rank:	4.3
CNDDDB Element Ranks:	Global: G4 State: S4	Other Lists:	

General Habitat:	Micro Habitat:
MEADOWS AND SEEPS, SUBALPINE CONIFEROUS FOREST.	WET MEADOWS, MOSSY SEEPS. 2000-3120 M.

Last Date Observed:	2006-08-10	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2006-08-10	Occurrence Rank:	Good
Owner/Manager:	USFS-LAKE TAHOE BMU	Trend:	Unknown
Presence:	Presumed Extant		

Location:
 APPROXIMATELY 0.4 AIR MI SSW OF FOUNTAIN PLACE, NW OF ARMSTRONG PASS.

Detailed Location:
 DRIVE TO THE END OF FOUNTAIN PLACE RD (ONEIDAS RD), FOLLOW TRAIL BY FS GATE ABOUT 1 MI TO STREAM CROSSING. POPULATION IS LOCATED ON SE SIDE OF SMALL CREEK. MAPPED ACCORDING TO 2006 GPS COORDINATES FROM OSBRACK.

Ecological:
 SMALL STREAM CROSSING AN EXISTING TRAIL WITH SMALL SHADED OPENING. ASSOCIATED SPECIES FOUND INCLUDE ALNUS INCANA, TRIFOLIUM MONANTHUM V. MONANTHUM, VERATRUM CALIFORNICUM, MIMULUS GUTTATUS, SENECIO TRIANGULARIS, EPILOBIUM CILIATUS, ETC.

Threats:
General:
 100 PLANTS SEEN IN 2006.

PLSS:	T12N, R18E, Sec. 36, NW (M)	Accuracy:	80 meters	Area (acres):	0
UTM:	Zone-11 N4303737 E245218	Latitude/Longitude:	38.84559 / -119.93568	Elevation (feet):	7,800

County Summary:	Quad Summary:
El Dorado	Freel Peak (3811978)

Sources:
 OSB06F0001 OSBRACK, S. - FIELD SURVEY FORM FOR EPILOBIUM HOWELLII 2006-08-10



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 72781	EO Index: 73621
Key Quad: Freel Peak (3811978)	Element Code: PDONA06180
Occurrence Number: 19	Occurrence Last Updated: 2008-11-03

Scientific Name: <i>Epilobium howellii</i>	Common Name: subalpine fireweed
Listing Status:	Rare Plant Rank: 4.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G4	
State: S4	

General Habitat: MEADOWS AND SEEPS, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: WET MEADOWS, MOSSY SEEPS. 2000-3120 M.
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Last Date Observed: 2007-07-12	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2007-07-12	Occurrence Rank: Good
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
ALONG BIG MEADOW CREEK, APPROXIMATELY 0.5 MI SE OF BIG MEADOW.

Detailed Location:
MAPPED ACCORDING TO 2007 GPS COORDINATES FROM OSBRACK.

Ecological:
IN A SMALL FOREST OPENING BETWEEN A TRAIL & STREAM. THERE IS MESIC VEGETATION WITH A HIGH % COVER. E. HOWELLII FOUND NEXT TO A PATCH OF VERATRUM CALIFORNICUM. OVERSTORY OF ABIES MAGNIFICA & PINUS CONTORTA SURROUNDING THE OPEN AREA.

Threats:
FOREST SERVICE PROPOSED BIG MEADOW CREEK WATERSHED FIRE REGIME RESTORATION PROJECT.

General:
25 PLANTS SEEN IN 2007.

PLSS: T11N, R18E, Sec. 28, NE (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4296025 E240121	Latitude/Longitude: 38.77469 / -119.99142	Elevation (feet): 7,720

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:
OSB07F0001 OSBRACK, S. - FIELD SURVEY FORM FOR EPILOBIUM HOWELLII 2007-07-12



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	72782	EO Index:	73622
Key Quad:	Freel Peak (3811978)	Element Code:	PDONA06180
Occurrence Number:	20	Occurrence Last Updated:	2008-11-03

Scientific Name:	<i>Epilobium howellii</i>	Common Name:	subalpine fireweed
Listing Status:	Federal: None State: None	Rare Plant Rank:	4.3
CNDDDB Element Ranks:	Global: G4 State: S4	Other Lists:	

General Habitat:	Micro Habitat:
MEADOWS AND SEEPS, SUBALPINE CONIFEROUS FOREST.	WET MEADOWS, MOSSY SEEPS. 2000-3120 M.

Last Date Observed:	2007-08-02	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	2007-08-02	Occurrence Rank:	Excellent
Owner/Manager:	USFS-LAKE TAHOE BMU	Trend:	Unknown
Presence:	Presumed Extant		

Location:
ALONG BIG MEADOW CREEK JUST N OF THE ELD/ALP COUNTY LINE, APPROXIMATELY 0.9 AIR MI NE OF ROUND LAKE.

Detailed Location:
MAPPED ACCORDING TO 2007 GPS COORDINATES FROM OSBRACK.

Ecological:
ON THE SIDE OF A PERENNIAL STREAM IN A SMALL OPENING W/ PARTIAL SHADE. THERE IS AN OVERSTORY OF ABIES MAGNIFICA ALONG THE EDGE OF THE STREAM CORRIDOR. ASSOC SPP INCL MIMULUS GUTTATUS, SENECIO TRIANGULARIS, VERATRUM CALIFORNICUM, ETC.

Threats:
FOREST SERVICE PROPOSED BIG MEADOW CREEK WATERSHED FIRE REGIME RESTORATION PROJECT.

General:
25-30 PLANTS SEEN IN 2007.

PLSS: T10N, R18E, Sec. 03, NW (M)	Accuracy: 80 meters	Area (acres): 0
UTM: Zone-11 N4294360 E239792	Latitude/Longitude: 38.75960 / -119.99458	Elevation (feet): 8,223

County Summary:	Quad Summary:
El Dorado	Freel Peak (3811978)

Sources:
OSB07F0002 OSBRACK, S. - FIELD SURVEY FORM FOR EPILOBIUM HOWELLII 2007-08-02



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 72001	EO Index: 72908
Key Quad: Freel Peak (3811978)	Element Code: PDPGN083S4
Occurrence Number: 3	Occurrence Last Updated: 2018-02-14

Scientific Name: <i>Eriogonum luteolum var. saltuarium</i>	Common Name: Jack's wild buckwheat
Listing Status:	Rare Plant Rank: 1B.2
Federal: None	Other Lists: USFS_S-Sensitive
State: None	
CNDDDB Element Ranks:	
Global: G5T1	
State: S1	

General Habitat: UPPER MONTANE CONIFEROUS FOREST, GREAT BASIN SCRUB.	Micro Habitat: SANDY, GRANITIC SUBSTRATES. 1885-2225 M.
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Last Date Observed: 1975-08-23	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1975-08-23	Occurrence Rank: Unknown
Owner/Manager: UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
ALONG HWY 89, 1.5 MILES SE OF LUTHER PASS.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB ALONG HWY 89 TO ENCOMPASS THE ABOVE LOCATION. MAPPED NEAR DANGBERG CAMP. GIVEN ELEVATION IS 7600 FEET BUT 1.5 MILES SE OF LUTHER PASS IS CLOSER TO 7300 FEET.

Ecological:
IN SANDY SOIL WITH SALIX, EPILOBIUM, PINUS, AND ABIES.

Threats:
General:
ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1975 REVEAL COLLECTION. NEEDS FIELDWORK.

PLSS: T11N, R18E, Sec. 24 (M)	Accuracy: non-specific area	Area (acres): 36
UTM: Zone-11 N4297752 E246316	Latitude/Longitude: 38.79203 / -119.92084	Elevation (feet): 7,300

County Summary: Alpine	Quad Summary: Freel Peak (3811978)
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Sources:
REV75S0004 REVEAL, J. - REVEAL #3968 RSA #279593, NESH #53458, SEINET #5331510 1975-08-23



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: 90846
Key Quad: Woodfords (3811977)
Occurrence Number: 1

EO Index: 91883
Element Code: PDPHR01020
Occurrence Last Updated: 2013-11-05

Scientific Name: *Erythranthe carsonensis*
Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G2
State: S1

Common Name: Carson Valley monkeyflower
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

General Habitat:
 GREAT BASIN SCRUB.

Micro Habitat:
 GRANITIC OPENINGS. 1480 M.

Last Date Observed: 2011-05-23
Last Survey Date: 2011-05-23
Owner/Manager: BLM
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
 NORTH OF FREDERICKSBURG ALONG THE CALIFORNIA / NEVADA STATE LINE, CARSON VALLEY.

Detailed Location:

PLANTS REPORTED TO OCCUR IN A NORTH-SOUTH PATTERN ALONG STATE BORDER. MAPPED TO ENCOMPASS TWO SETS OF COORDINATES, ONE FROM A 2011 FRAGA COLLECTION AND THE OTHER FROM A SERIES OF 2011 MATSON PHOTOS, IN THE NE 1/4 SE 1/4 SECTION 36.

Ecological:

NE-FACING ON 6% SLOPE. SAGEBRUSH SCRUB DOMINATED BY ARTEMISIA TRIDENTATA, WITH PURSHIA TRIDENTATA, RIBES, AND CALYPTRIDIMUM.

Threats:

DEVELOPMENT IS A POTENTIAL THREAT.

General:

ONLY SOURCES OF INFORMATION FOR THIS OCCURRENCE ARE 2011 MATSON PHOTOS AND A 2011 FRAGA COLLECTION.

PLSS: T12N, R19E, Sec. 36, SE (M)	Accuracy: specific area	Area (acres): 9
UTM: Zone-11 N4304652 E257526	Latitude/Longitude: 38.85730 / -119.79434	Elevation (feet): 4,860

County Summary:

Alpine, Nevada State

Quad Summary:

Woodfords (3811977)

Sources:

- FRA11S0004 FRAGA, N. - FRAGA #3803 RSA (CITED IN FRA13U0003) 2011-05-23
- FRA13U0003 FRAGA, N. - EMAIL REGARDING SPECIMENS OF ERYTHRANTHE CARSONENSIS 2013-05-12
- MAT11I0008 MATSON, S. - PHOTOS OF ERYTHRANTHE CARSONENSIS, CALPHOTOS ID #0000 0000 0813 3177-3182 2011-05-23



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 36564	EO Index: 31561	
Key Quad: Ebbetts Pass (3811957)	Element Code: PDPOR030A0	
Occurrence Number: 7	Occurrence Last Updated: 2019-06-07	

Scientific Name: <i>Claytonia megarhiza</i>	Common Name: fell-fields claytonia
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5	
State: S2	

General Habitat: ALPINE BOULDER AND ROCK FIELD, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: IN THE CREVICES BETWEEN ROCKS, ROCKY OR GRAVELLY SOIL. 2560-3505 M.
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Last Date Observed: 1971-08-29	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2015-07-24	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
CREEK NEAR NOBLE LAKE, BETWEEN HIGHLAND PEAK & TRYON PEAK.

Detailed Location:

Ecological:
AT 8900 FEET ELEVATION IN SUBALPINE FOREST.

Threats:

General:
SITE BASED ON A 1971 COLLECTION BY TAYLOR. IN 2015, NO PLANTS WERE FOUND ON EASTERN SLOPES OF TRYON PEAK ABOVE NOBLE LAKE; SEARCH FOCUSED ON LOWER SLOPES WSW OF NOBLE LAKE.

PLSS: T08N, R20E, Sec. 21 (M)	Accuracy: 2/5 mile	Area (acres): 0
UTM: Zone-11 N4268054 E257904	Latitude/Longitude: 38.52798 / -119.77722	Elevation (feet): 8,900

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:

SLA16U0001	SLAKEY, D. (CALIFORNIA NATIVE PLANT SOCIETY) - EXCEL TABLE OF 2015 CNPS RARE PLANT TREASURE HUNT DATA 2016-01-14
TAY71S0002	TAYLOR, D. - TAYLOR #1203 DAV #82640 1971-08-29



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 51740	EO Index: 51740
Key Quad: Heenan Lake (3811966)	Element Code: PDPOR030P0
Occurrence Number: 3	Occurrence Last Updated: 2015-05-13

Scientific Name: <i>Claytonia umbellata</i>	Common Name: Great Basin claytonia
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G4	
State: S1	

General Habitat: SUBALPINE CONIFEROUS FOREST.	Micro Habitat: TALUS SLOPES, STONY FLATS, CREVICES. 1290-3475 M.
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Last Date Observed: 2015-04-27	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2015-04-27	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
ROAD TO HAYPRESS FLAT FROM HIGHWAY 89, 0.5 MILE ABOVE FOREST CITY FLAT.

Detailed Location:
MAPPED ALONG MORNING STAR ROAD WITHIN THE SE 1/4 OF SECTION 30.

Ecological:
PINYON PINE WOODLAND ON VOLCANIC SCREE SOILS. SOUTHWEST FACING SLOPE.

Threats:
General:
UNKNOWN NUMBER OF PLANTS OBSERVED IN 1974 BY TAYLOR; PLANTS RARE LOCALLY. "MANY" PLANTS OBSERVED BY STOUGHTON IN 2015.

PLSS: T10N, R21E, Sec. 30, SE (M)	Accuracy: non-specific area	Area (acres): 50
UTM: Zone-11 N4284786 E264170	Latitude/Longitude: 38.68027 / -119.71107	Elevation (feet): 7,150

County Summary: Alpine	Quad Summary: Heenan Lake (3811966)
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Sources:
STO15U0001 STOUGHTON, T. - EMAIL REGARDING CLAYTONIA UMBELLATA POPULATIONS 2015-05-04
TAY74S0004 TAYLOR, D. - TAYLOR #3251 JEPS #101063 1974-04-23



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 81508	EO Index: 82484
Key Quad: Woodfords (3811977)	Element Code: PDVIO04420
Occurrence Number: 18	Occurrence Last Updated: 2011-01-31

Scientific Name: <i>Viola purpurea ssp. aurea</i>	Common Name: golden violet
Listing Status:	Rare Plant Rank: 2B.2
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5T2	
State: S2	

General Habitat: GREAT BASIN SCRUB, PINYON-JUNIPER WOODLAND.	Micro Habitat: DRY, SANDY SLOPES. 1000-2500 M.
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Last Date Observed: 1974-04-28	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1974-04-28	Occurrence Rank: Unknown
Owner/Manager: UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
DIAMOND VALLEY ROAD, 0.6 MILE S OF HIGHWAY 89, DIAMOND VALLEY.

Detailed Location:
MAPPED ALONG DIAMOND VALLEY ROAD 0.5-0.7 MILES S OF HIGHWAY 89. IN THE SE 1/4 SE 1/4 SECTION 35.

Ecological:

Threats:

General:
UNKNOWN NUMBER OF PLANTS SEEN. ONLY SOURCE OF INFORMATION IS A 1974 TAYLOR COLLECTION.

PLSS: T11N, R19E, Sec. 35, SE (M)	Accuracy: non-specific area	Area (acres): 18
UTM: Zone-11 N4294812 E256008	Latitude/Longitude: 38.76831 / -119.80833	Elevation (feet): 5,000

County Summary:	Quad Summary:
Alpine	Woodfords (3811977)

Sources:
TAY74S0013 TAYLOR, D. - TAYLOR #3277 JEPS (CITED FROM CALFLORA ID #XR168411) 1974-04-28



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 81509	EO Index: 82486
Key Quad: Woodfords (3811977)	Element Code: PDVIO04420
Occurrence Number: 19	Occurrence Last Updated: 2011-01-31

Scientific Name: <i>Viola purpurea ssp. aurea</i>	Common Name: golden violet
Listing Status:	Rare Plant Rank: 2B.2
Federal: None	Other Lists:
State: None	
CNDDB Element Ranks:	
Global: G5T2	
State: S2	

General Habitat: GREAT BASIN SCRUB, PINYON-JUNIPER WOODLAND.	Micro Habitat: DRY, SANDY SLOPES. 1000-2500 M.
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Last Date Observed: 1974-05-05	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1974-05-05	Occurrence Rank: Unknown
Owner/Manager: BLM	Trend: Unknown
Presence: Presumed Extant	

Location:
ALONG AIRPORT ROAD, 0.5 MILE SE OF DIAMOND VALLEY ROAD IN SCOSSA CANYON, DUTCH VALLEY.

Detailed Location:
MAPPED ALONG AIPORT ROAD (INDIAN CREEK RESERVOIR ROAD) FROM 0.4-0.6 MILES SE OF DIAMOND VALLEY ROAD. IN THE SW 1/4 SW 1/4 SECTION 32.

Ecological:

Threats:

General:

UNKNOWN NUMBER OF PLANTS SEEN. ONLY SOURCE OF INFORMATION IS A 1974 TAYLOR OBSERVATION.

PLSS: T11N, R20E, Sec. 32, SW (M)	Accuracy: non-specific area	Area (acres): 20
UTM: Zone-11 N4294464 E259485	Latitude/Longitude: 38.76613 / -119.76824	Elevation (feet): 5,400

County Summary: Alpine	Quad Summary: Woodfords (3811977)
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Sources:

TAY74U0001 TAYLOR, D. - OBSERVATION RECORD FOR VIOLA PURPUREA SSP. AUREA, CALFLORA ID #GR240 1974-05-05



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: B0373	EO Index: 112233
Key Quad: Carson Pass (3811968)	Element Code: PDVIO04420
Occurrence Number: 39	Occurrence Last Updated: 2018-08-15

Scientific Name: <i>Viola purpurea ssp. aurea</i>	Common Name: golden violet
Listing Status:	Rare Plant Rank: 2B.2
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5T2	
State: S2	

General Habitat: GREAT BASIN SCRUB, PINYON-JUNIPER WOODLAND.	Micro Habitat: DRY, SANDY SLOPES. 1000-2500 M.
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Last Date Observed: 1974-06-30	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1974-06-30	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
EASTERN BORDER OF BORDER RUFFIAN FLAT AT THE WESTERN BASE OF JEFF DAVIS PEAK, CARSON PASS.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB ALONG BLUE LAKES RD ON THE EASTERN BORDER OF BORDER RUFFIAN FLAT, NEAR GIVEN ELEVATION OF 8100 FT.

Ecological:

Threats:

General:

ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1974 TAYLOR COLLECTION. NEEDS FIELDWORK.

PLSS: T09N, R19E, Sec. 17 (M)	Accuracy: non-specific area	Area (acres): 47
UTM: Zone-11 N4279882 E246514	Latitude/Longitude: 38.63126 / -119.91204	Elevation (feet): 8,100

County Summary: Alpine	Quad Summary: Carson Pass (3811968)
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Sources:
TAY74S0025 TAYLOR, D. - TAYLOR #4026 DAV #110623 & #66674 1974-06-30



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	82334	EO Index:	83348
Key Quad:	Ebbetts Pass (3811957)	Element Code:	PMCYP033H0
Occurrence Number:	3	Occurrence Last Updated:	2018-06-27

Scientific Name:	<i>Carex davyi</i>	Common Name:	Davy's sedge
Listing Status:	Federal: None State: None	Rare Plant Rank:	1B.3
CNDDDB Element Ranks:	Global: G3 State: S3	Other Lists:	

General Habitat:	Micro Habitat:
SUBALPINE CONIFEROUS FOREST, UPPER MONTANE CONIFEROUS FOREST.	1605-3230 M.

Last Date Observed:	1864-XX-XX	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	1864-XX-XX	Occurrence Rank:	Unknown
Owner/Manager:	UNKNOWN	Trend:	Unknown
Presence:	Presumed Extant		

Location:
EBBETTS PASS.

Detailed Location:
HILL ABOVE PASS. EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS CENTERED ON EBBETTS PASS AND HILLS ADJACENT TO PASS.

Ecological:
Threats:

General:
SITE IS BASED ON AN 1863 HILLEBRAND COLLECTION AND AN 1864 BREWER COLLECTION. NEEDS FIELDWORK. INCLUDES FORMER OCCURRENCE #7; HILLEBRAND COLLECTION WAS ORIGINALLY INCORRECTLY ATTRIBUTED TO BIG TREES.

PLSS: T08N, R20E, Sec. 18 (M)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N4269918 E254908	Latitude/Longitude: 38.54393 / -119.81220	Elevation (feet):

County Summary:	Quad Summary:
Alpine	Ebbetts Pass (3811957)

Sources:

BRE64S0003	BREWER, W. - BREWER #2728 UC #8066, GH #268313 1864-XX-XX
HIL63S0001	HILLEBRAND, W. - HILLEBRAND #2322 UC #1056, GH #376998 1863-07-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 82335	EO Index: 83349
Key Quad: Pacific Valley (3811958)	Element Code: PMCYP033H0
Occurrence Number: 4	Occurrence Last Updated: 2018-06-27

Scientific Name: <i>Carex davyi</i>	Common Name: Davy's sedge
Listing Status:	Rare Plant Rank: 1B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G3	
State: S3	

General Habitat: SUBALPINE CONIFEROUS FOREST, UPPER MONTANE CONIFEROUS FOREST.	Micro Habitat: 1605-3230 M.
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Last Date Observed: 2015-07-23	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2015-07-23	Occurrence Rank: Fair
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
SLOPE ABOVE (SOUTH OF) HERMIT VALLEY, APPROXIMATELY 4.6 AIR MILES WEST OF EBBETTS PASS.

Detailed Location:
MAPPED ACCORDING TO 2015 SLAKEY COORDINATES, IN THE SW 1/4 OF THE NW 1/4 OF SECTION 21.

Ecological:
UPPER MONTANE CONIFEROUS FOREST. 45 DEGREE N-FACING SLOPE. GRANITE ROCK OUTCROPS WITH SOME SEEPAGE. ASSOC W/ ABIES MAGNIFICA, PINUS CONTORTA, QUERCUS VACCINIFOLIA, JUNCUS PARRYI, ERIGERON GLACIALIS, LEPTODACTYLON, POA, ANTENNARIA, ETC.

Threats:
NONE OBSERVED.

General:
11 PLANTS OBSERVED IN 2015. A 1935 PEIRSON COLLECTION FROM "HERMIT VALLEY. MOUNTAIN SLOPE SOUTH OF THE MOKELUMNE RIVER. 8000 FT ELEVATION" IS ALSO ATTRIBUTED TO THIS SITE.

PLSS: T08N, R19E, Sec. 21, NW (M)	Accuracy: 80 meters	Area (acres): 5
UTM: Zone-11 N4269048 E247454	Latitude/Longitude: 38.53402 / -119.89732	Elevation (feet): 7,318

County Summary: Alpine	Quad Summary: Pacific Valley (3811958)
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Sources:

BUR15S0008	BURGE, D. ET AL. - BURGE #1760 DAV #163033 & #214877 2015-07-23
PEI35S0003	PEIRSON, F. - PEIRSON #11714 CAS #227388, RSA #88809, SD #87525, CAS-BOT-BC #34428 1935-07-26
SLA15S0007	SLAKEY, D. & D. BURGE - SLAKEY #166 JEPS #124493, DAV #163422 & #215070 2015-07-23
SLA16U0001	SLAKEY, D. (CALIFORNIA NATIVE PLANT SOCIETY) - EXCEL TABLE OF 2015 CNPS RARE PLANT TREASURE HUNT DATA 2016-01-14



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 82338	EO Index: 83352
Key Quad: Carson Pass (3811968)	Element Code: PMCYP033H0
Occurrence Number: 5	Occurrence Last Updated: 2019-11-01

Scientific Name: <i>Carex davyi</i>	Common Name: Davy's sedge
Listing Status:	Rare Plant Rank: 1B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G3	
State: S3	

General Habitat: SUBALPINE CONIFEROUS FOREST, UPPER MONTANE CONIFEROUS FOREST.	Micro Habitat: 1605-3230 M.
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Last Date Observed: 2016-09-01	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2016-09-01	Occurrence Rank: Good
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
NORTH SIDE OF WINNEMUCCA LAKE AND ON SADDLE JUST EAST OF THE LAKE, MOKELUMNE WILDERNESS, CARSON PASS AREA.

Detailed Location:
2 POLYGONS MAPPED BY CNDDDB. NW POLYGON MAPPED ACCORDING TO 2006 NACZI COORDINATES AND 2016 USFS DIGITAL DATA. SE POLYGON MAPPED ACCORDING TO 2015 PERRY COORDINATES.

Ecological:
AMONG ROCKS IN RELATIVELY LEVEL AREA ABOVE THE LAKE. DRY, GRAVELLY SOIL. ASSOCIATED WITH CASTILLEJA SP., ERIGERON SP., MONARDA SP., ARTEMISIA TRIDENTATA, SYMPHORICARPOS VACCINIIOIDES, RIBES CEREUM, AND R. MONTIGEUM.

Threats:
NONE EVIDENT.

General:
NW POLYGON: CONSIDERED "INFREQUENT, VERY LOCAL" IN 2006 BY NACZI, FEWER THAN 50 PLANTS SEEN IN 2015, 100+ PLANTS SEEN IN 2016; THERE ARE MOST LIKELY A LOT MORE PATCHES IN THE AREA. SE POLYGON: SEEN IN 1999 AND 2015. INCLUDES FORMER EO#6.

PLSS: T10N, R18E, Sec. 34, N (M)	Accuracy: specific area	Area (acres): 8
UTM: Zone-11 N4284668 E239705	Latitude/Longitude: 38.67236 / -119.99195	Elevation (feet): 9,100

County Summary: Alpine	Quad Summary: Carson Pass (3811968)
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- Sources:**
- CAR08R0001 CAREX WORKING GROUP, LLC - FINAL REPORT OF THE CAREX CONSTANCEANA SURVEY FOR THE FREMONT-WINEMA NATIONAL FORESTS 2008-03-XX
 - HIP99S0002 HIPP, A. - HIPP #901 MICH #1367814 & #1367815, MOR #63399 & #63400, SEINET #7556312, #7556313, #4291990, & #4291991 1999-07-17
 - LO-16I0001 LO, B. - PHOTO OF CAREX DAVYI, CALPHOTOS ID: 0000 0000 0117 0187 2016-09-01
 - NAC06S0002 NACZI, R. - NACZI #11531 CHSC #99403, SEINET #7556314, MICH #1367816 2006-08-06
 - PEI37S0006 PEIRSON, F. - PEIRSON #12203 RSA #88810, CAS #247041-499019757, SD #87759, CAS-BOT-BC #34429 1937-07-24
 - PER15I0004 PERRY, S. & S. PERRY - PHOTOS OF CAREX DAVYI, CALPHOTOS ID: 0000 0000 0815 2969-2972 2015-07-31
 - PER15I0005 PERRY, S. & S. PERRY - PHOTO OF CAREX DAVYI, CALPHOTOS ID: 0000 0000 0815 2973 2015-07-31
 - ROS44S0003 ROSE, L. - ROSE #44195 CAS #322216, CAS-BOT-BC #34427 1944-07-21
 - ROS44S0004 ROSE, L. - ROSE #44196 MICH (CITED IN CAR08R0001) 1944-07-21
 - USF17D0001 U.S. FOREST SERVICE-ELDORADO NATIONAL FOREST - ELDORADO NATIONAL FOREST PLANT WATCHLIST LAYER, 2016 UPDATES 2017-01-31
 - WAL15F0002 WALKER, A. ET AL. - FIELD SURVEY FORM FOR CAREX DAVYI 2015-07-31



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: A7238	EO Index: 109004
Key Quad: Echo Lake (3812071)	Element Code: PMCYP036D0
Occurrence Number: 3	Occurrence Last Updated: 2017-11-22

Scientific Name: <i>Carex hystericina</i>	Common Name: porcupine sedge
Listing Status:	Rare Plant Rank: 2B.1
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5	
State: S2	

General Habitat: MARSHES AND SWAMPS.	Micro Habitat: WET PLACES, SUCH AS STREAM EDGES. 225-2400 M.
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Last Date Observed: 1984-08-30	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1984-08-30	Occurrence Rank: Unknown
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
NEAR ROUND LAKE, ELDORADO NATIONAL FOREST.
Detailed Location:
MAPPED BY CNDDDB AS BEST GUESS AROUND ROUND LAKE.

Ecological:
TSUGA MERTENSIANA AND ABIES CONCOLOR FOREST.

Threats:
General:

ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1984 NORRIS COLLECTION. COLLECTION IDENTIFIED AS CAREX HYSTERICINA BY GORDON LEPPIG IN 1996. THIS SITE IS FAR OUTSIDE OF THE RANGE GIVEN IN THE JEPSON MANUAL FOR THIS SPECIES.

PLSS: T10N, R18E, Sec. 4 (M)	Accuracy: 2/5 mile	Area (acres): 280
UTM: Zone-10 N4293299 E760188	Latitude/Longitude: 38.75007 / -120.00604	Elevation (feet): 7,872

County Summary: Alpine, El Dorado	Quad Summary: Carson Pass (3811968), Freel Peak (3811978), Caples Lake (3812061), Echo Lake (3812071)
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Sources:
NOR84S0011 NORRIS, D. - NORRIS #71178 HSC #92382 1984-08-30



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 14440	EO Index: 28981	
Key Quad: Freel Peak (3811978)	Element Code: PMCYP037K0	
Occurrence Number: 3	Occurrence Last Updated: 2016-03-02	

Scientific Name: <i>Carex limosa</i>	Common Name: mud sedge
Listing Status:	Rare Plant Rank: 2B.2
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: BOGS AND FENS, LOWER MONTANE CONIFEROUS FOREST, MEADOWS AND SEEPS, MARSHES AND SWAMPS, UPPER MONTANE CONIFEROUS FOREST.	Micro Habitat: IN FLOATING BOGS AND SOGGY MEADOWS AND EDGES OF LAKES. 1370-2790 M.
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Last Date Observed: 2014-08-03	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2014-08-03	Occurrence Rank: Unknown
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
GRASS LAKE NEAR LUTHER PASS ALONG HIGHWAY 89.

Detailed Location:
MAPPED BY CNDDDB AROUND GRASS LAKE. UNSURE IF CAREX LIMOSA OCCURS THROUGHOUT LAKE; FULL CENSUS NEEDED. SPECIFIC COORDINATES PROVIDED FOR WEST END OF LAKE AND EAST END OF LAKE. 1984 NORRIS COLLECTION IS FROM SECTION 14 (MIDDLE OF LAKE).

Ecological:
MARSHY BORDER OF LAKE; FLOATING BOG MAT NEAR OPEN WATER WITH MENYANTHES TRIFOLIATA, MEESIA TRIQUETRA, VACCINIUM ULIGINOSUM, POTENTILLA PALUSTRIS, MIMULUS PRIMULOIDES, ERIOPHORUM GRACILE, CAREX UTRICULATA, C. CANESCENS, C. SIMULATA, ET AL.

Threats:
General:
FAIRLY ABUNDANT IN 1991. MANY COLLECTIONS, OBSERVATIONS AND PHOTOGRAPHS FROM 1936-2014 FROM "GRASS LAKE" ATTRIBUTED TO THIS SITE.

PLSS: T11N, R18E, Sec. 23, N (M)	Accuracy: specific area	Area (acres): 292
UTM: Zone-11 N4297755 E242759	Latitude/Longitude: 38.79104 / -119.96175	Elevation (feet): 7,700

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Sources:

CNP11U0001	CALIFORNIA NATIVE PLANT SOCIETY - DATABASE OF RARE PLANTS AND MOSSES FROM LAKE TAHOE FENS 2011-05-13
DOB77S0004	DOBSON, H. - DOBSON #282 UC #1999785 1977-10-22
FER47S0003	FERRIS, R. - FERRIS #11621 UC #980032, RSA #40622, CAS #1179905, DS #321985, #322103, & #322404 1947-07-27
HEL77S0001	HELMKAMP, G. - HELMKAMP SN UCR #15426 1977-09-05
HEL77S0009	HELMKAMP, G. - HELMKAMP SN CLARK-A #1045-1173 1977-09-03
LO-14I0001	LO, B. - PHOTO OF CAREX LIMOSA, CALPHOTOS ID: 0000 0000 0814 0739 2014-08-03
MAT09I0004	MATSON, S. - PHOTOS OF CAREX LIMOSA, CALPHOTOS ID: 0000 0000 1209 0648-0651 2009-07-28
NEI71S0001	NEILSON, J. - NEILSON #2303 CAS #844236 1971-08-07
NIC09F0003	NICHOLS, R. (U.S. FOREST SERVICE-LAKE TAHOE BASIN MANAGEMENT UNIT) - FIELD SURVEY FORM FOR BRUCHIA BOLANDERI & MEESIA TRIQUETRA & CAREX LIMOSA 2009-06-29
NOR84S0010	NORRIS, D. - NORRIS #71331 HSC #92371 1984-09-01
PYK87S0005	PYKALA, J. ET AL. - PYKALA #2894 UC #1586889 1987-07-23
ROS91S0004	ROSE, C. - ROSE SN SJSU #14731 1991-07-20
STE36S0002	STEBBINS, G. - STEBBINS #2052 UC #593464 1936-08-18
THO69S0023	THORNE, R. - THORNE #39296 RSA #252433, CAS #577666 1969-09-07
THO74S0035	THORNE, R. - THORNE #44904 RSA #286314 1974-07-31
THO75S0005	THORNE, R. ET AL. - THORNE #47230 UC #1532818, RSA #364206, UCR #48233, SEINET #3903437, BRY #57689 1975-08-23



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 73271	EO Index: 74225
Key Quad: Freel Peak (3811978)	Element Code: PMCYP037K0
Occurrence Number: 32	Occurrence Last Updated: 2016-03-01

Scientific Name: <i>Carex limosa</i>	Common Name: mud sedge
Listing Status:	Rare Plant Rank: 2B.2
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: BOGS AND FENS, LOWER MONTANE CONIFEROUS FOREST, MEADOWS AND SEEPS, MARSHES AND SWAMPS, UPPER MONTANE CONIFEROUS FOREST.	Micro Habitat: IN FLOATING BOGS AND SOGGY MEADOWS AND EDGES OF LAKES. 1370-2790 M.
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Last Date Observed: 2011-08-31	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2011-08-31	Occurrence Rank: Good
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
HELL HOLE, 1.85 MILES WEST OF ARMSTRONG PASS.

Detailed Location:
OCCURRING IN PONDS/INUNDATED DEPRESSIONS. MAJORITY OF POPULATION OCCURS CONTIGUOUSLY IN THE MIDDLE OF THE MEADOW COMPLEX. MAPPED AS 3 POLYGONS ACCORDING TO 2010 AND 2011 CHRISTIE COORDINATES, AND 2011 CNPS DIGITAL DATA.

Ecological:
SATURATED MEADOW/FEN COMPLEX WITH SOME AREAS OF SALIX VEGETATION. SOIL VARYING FROM EXTREMELY WET TO SATURATED TO INUNDATED. ASSOCIATED WITH SALIX EASTWOODIAE, S. LEMMONII, VACCINIUM ULIGINOSUM, CAREX UTRICULATA, C. VESICARIA, ETC.

Threats:
General:
UNKNOWN NUMBER OF PLANTS OBSERVED IN 2008. THOUSANDS OF PLANTS OBSERVED IN 2010 AND 2011. 2002 MATSON PHOTO IS ALSO ATTRIBUTED TO THIS SITE.

PLSS: T11N, R18E, Sec. 1, SW (M)	Accuracy: specific area	Area (acres): 17
UTM: Zone-11 N4301443 E244237	Latitude/Longitude: 38.82466 / -119.94613	Elevation (feet): 8,400

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:

CHR10F0004	CHRISTIE, K. (U.S. FOREST SERVICE) - FIELD SURVEY FORM FOR CAREX LIMOSA 2010-08-30
CHR10S0002	CHRISTIE, K. - CHRISTIE #2009 SEINET #2471069, ASC #99145 2010-08-30
CHR11F0038	CHRISTIE, K. - FIELD SURVEY FORM FOR CAREX LIMOSA 2011-08-31
CNP11U0001	CALIFORNIA NATIVE PLANT SOCIETY - DATABASE OF RARE PLANTS AND MOSSES FROM LAKE TAHOE FENS 2011-05-13
MAT02I0002	MATSON, S. - PHOTO OF CAREX LIMOSA, CALPHOTOS ID #0000 0000 1102 1450 2002-11-24



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 76558	EO Index: 77510
Key Quad: Heenan Lake (3811966)	Element Code: PMCYP03AE0
Occurrence Number: 13	Occurrence Last Updated: 2009-09-15

Scientific Name: <i>Carex petasata</i>	Common Name: Liddon's sedge
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: BROADLEAFED UPLAND FOREST, LOWER MONTANE CONIFEROUS FOREST, MEADOWS AND SEEPS, PINYON AND JUNIPER WOODLAND.	Micro Habitat: 835-3030 M.
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Last Date Observed: 1963-07-10	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1963-07-10	Occurrence Rank: Unknown
Owner/Manager: USFS-HUMBOLDT-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
0.5 MILE WEST OF MONITOR PASS, SIERRA NEVADA.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB 0 TO 1 ROAD MILES WEST OF MONITOR PASS ON HIGHWAY 89.

Ecological:
SAGEBRUSH FLAT.

Threats:
General:

ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1963 COLLECTION BY HOWELL. NEEDS FIELDWORK.

PLSS: T10N, R21E, Sec. 36, NW (M)	Accuracy: non-specific area	Area (acres): 69
UTM: Zone-11 N4283568 E271487	Latitude/Longitude: 38.67123 / -119.62665	Elevation (feet): 8,000

County Summary: Alpine	Quad Summary: Topaz Lake (3811965), Heenan Lake (3811966)
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Sources:
HOW63S0018 HOWELL, J. - HOWELL #39731 SD #130392, CAS #831470, CAS-BOT-BC #118308 1963-07-10



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 90181	EO Index: 91188
Key Quad: Heenan Lake (3811966)	Element Code: PMCYP03EA0
Occurrence Number: 13	Occurrence Last Updated: 2013-08-21

Scientific Name: <i>Carex vallicola</i>	Common Name: western valley sedge
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5	
State: S2	

General Habitat: GREAT BASIN SCRUB, MEADOWS AND SEEPS.	Micro Habitat: MESIC SITES. 1865-3045 M.
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Last Date Observed: 1964-08-10	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1964-08-10	Occurrence Rank: Unknown
Owner/Manager: USFS-TOIYABE NF	Trend: Unknown
Presence: Presumed Extant	

Location:
ROCKY KNOLL APPROXIMATELY 0.5 MILE SW OF MONITOR PASS.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS AROUND THE ROCKY KNOLL NEAR THE CENTER OF THE EASTERN BOUNDARY OF SECTION 35.

Ecological:
Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1964 HOWELL COLLECTION. NEEDS FIELDWORK.

PLSS: T10N, R21E, Sec. 35, E (M)	Accuracy: 1/5 mile	Area (acres): 0
UTM: Zone-11 N4283422 E270918	Latitude/Longitude: 38.66977 / -119.63312	Elevation (feet): 8,250

County Summary: Alpine	Quad Summary: Heenan Lake (3811966)
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Sources:
HOW64S0012 HOWELL, J. - HOWELL #40943 CAS #844072, RSA #517807, SD #130397 1964-08-10



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 37218	EO Index: 32218
Key Quad: Freel Peak (3811978)	Element Code: PMCYP0Q1G0
Occurrence Number: 1	Occurrence Last Updated: 1997-10-16

Scientific Name: <i>Schoenoplectus subterminalis</i>	Common Name: water bulrush
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists:
State: None	
CNDDB Element Ranks:	
Global: G4G5	
State: S3	

General Habitat: MARSHES AND SWAMPS, BOGS AND FENS.	Micro Habitat: MONTANE LAKE MARGINS, IN SHALLOW WATER. 880-2425 M.
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Last Date Observed: 1990-10-29	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1990-10-29	Occurrence Rank: Unknown
Owner/Manager: USFS-ELDORADO NF	Trend: Unknown
Presence: Presumed Extant	

Location:
GRASS LAKE, WEST OF LUTHER PASS ALONG HIGHWAY 89.

Detailed Location:
ALONG THE SOUTH SIDE OF LAKE ON FLOATING EDGE OF SPHAGNUM MAT IN OPEN WATER.

Ecological:
MARGIN OF LARGE MEADOW AND BOG. GROWING WITH CAREX LIMOSA, DROSELA ROTUNDIFOLIA, MENYANTHES TRIFOLIATA, SAXIFRAGA OREGANA, AND ELODEA NUTTALLII.

Threats:

General:
1000+ PLANTS OBSERVED IN 1990. A 1972 TAYLOR COLLECTION FROM "GRASS LAKE, AT SUMMIT OF LUTHER PASS (HIGHWAY 89)" IS ALSO ATTRIBUTED TO THIS SITE.

PLSS: T11N, R18E, Sec. 14, SW (M)	Accuracy: specific area	Area (acres): 7
UTM: Zone-11 N4298043 E242528	Latitude/Longitude: 38.79356 / -119.96451	Elevation (feet): 7,700

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:

TAY72S0001	TAYLOR, D. - TAYLOR #1457 JEPS #101931, UC #1576783 1972-05-22
TAY90F0008	TAYLOR, D. - FIELD SURVEY FORM FOR SCIRPUS SUBTERMINALIS 1990-10-29



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 36156	EO Index: 31153
Key Quad: Ebbetts Pass (3811957)	Element Code: PMPOA040P0
Occurrence Number: 4	Occurrence Last Updated: 1997-07-18

Scientific Name: <i>Agrostis humilis</i>	Common Name: mountain bent grass
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G4Q	
State: S2	

General Habitat: ALPINE BOULDER AND ROCK FIELD, MEADOWS AND SEEPS, SUBALPINE CONIFEROUS FOREST.	Micro Habitat: SOMETIMES ON CALCAREOUS SUBSTRATES. PROBABLY UNDERCOLLECTED; HIGH ELEVATION GRASS. 1525-3400 M.
--	---

Last Date Observed: 1938-09-04	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1938-09-04	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
SUMMIT OF EBBETTS PASS, SIERRA NEVADA.

Detailed Location:

Ecological:
MEADOW.

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1938 COLLECTION BY LORRAINE.

PLSS: T08N, R20E, Sec. 18, E (M)	Accuracy: 2/5 mile	Area (acres): 0
UTM: Zone-11 N4269951 E254920	Latitude/Longitude: 38.54424 / -119.81208	Elevation (feet): 8,800

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:
LOR38S0001 LORRAINE - LORRAINE SN DS #285700 1938-09-04



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: A3200	EO Index: 104829
Key Quad: Carson Pass (3811968)	Element Code: PMPOA2H170
Occurrence Number: 10	Occurrence Last Updated: 2016-12-29

Scientific Name: <i>Elymus scribneri</i>	Common Name: Scribner's wheat grass
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: ALPINE BOULDER AND ROCK FIELD.	Micro Habitat: ON ROCKY SLOPES. 2560-4145 M.
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Last Date Observed: 1973-08-21	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1973-08-21	Occurrence Rank: Unknown
Owner/Manager: USFS	Trend: Unknown
Presence: Presumed Extant	

Location:
NORTH SIDE AND EAST BASE OF ELEPHANTS BACK, CARSON PASS.

Detailed Location:
MAPPED AS BEST GUESS AROUND THE NORTH AND EAST SIDES OF ELEPHANTS BACK.

Ecological:
ON GRANITIC SUBSTRATE.

Threats:
General:
SITE BASED ON A 1950 BILLINGS COLLECTION AND A 1973 TAYLOR COLLECTION. NEEDS FIELDWORK.

PLSS: T10N, R18E, Sec. 27 (M)	Accuracy: 2/5 mile	Area (acres): 280
UTM: Zone-11 N4285618 E240618	Latitude/Longitude: 38.68118 / -119.98182	Elevation (feet): 9,000

County Summary: Alpine	Quad Summary: Carson Pass (3811968)
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Sources:
BIL50S0001 BILLINGS, W. - BILLINGS #2001 RENO #12846 1950-09-28
TAY73S0006 TAYLOR, D. - TAYLOR #2968 DAV #61300 1973-08-21



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number:	A3201	EO Index:	104830
Key Quad:	Caples Lake (3812061)	Element Code:	PMPOA2H170
Occurrence Number:	11	Occurrence Last Updated:	2016-12-28

Scientific Name:	<i>Elymus scribneri</i>	Common Name:	Scribner's wheat grass
Listing Status:	Federal: None State: None	Rare Plant Rank:	2B.3
CNDDDB Element Ranks:	Global: G5 State: S3	Other Lists:	

General Habitat:	Micro Habitat:
ALPINE BOULDER AND ROCK FIELD.	ON ROCKY SLOPES. 2560-4145 M.

Last Date Observed:	1974-08-27	Occurrence Type:	Natural/Native occurrence
Last Survey Date:	1974-08-27	Occurrence Rank:	Unknown
Owner/Manager:	USFS-ELDORADO NF	Trend:	Unknown
Presence:	Presumed Extant		

Location:
3.5 MILES WEST FROM UPPER BLUE LAKE ON SOUTH SIDE OF SUMMIT CITY CREEK.

Detailed Location:
MAPPED BY CNDDDB AS BEST GUESS TO INCLUDE 3.5 AIR MILES AND 3.5 TRAIL MILES WEST OF UPPER BLUE LAKE ON THE SOUTH SIDE OF SUMMIT CITY CREEK, AND TO INCLUDE GIVEN ELEVATION OF 8400 FEET.

Ecological:
BELOW PERENNIAL SNOWBANKS ON THE RIDGE. VOLCANIC SUBSTRATE.

Threats:
General:
ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1974 TAYLOR COLLECTION. NEEDS FIELDWORK.

PLSS: T09N, R18E, Sec. 9 (M)	Accuracy: 3/5 mile	Area (acres): 776
UTM: Zone-10 N4280488 E760372	Latitude/Longitude: 38.63472 / -120.00873	Elevation (feet): 8,400

County Summary:	Quad Summary:
Alpine	Carson Pass (3811968), Caples Lake (3812061)

Sources:
TAY74S0020 TAYLOR, D. - TAYLOR #4883 DAV #61301 1974-08-27



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 28031	EO Index: 970
Key Quad: Pacific Valley (3811958)	Element Code: PMPOT030Z0
Occurrence Number: 2	Occurrence Last Updated: 2003-07-23

Scientific Name: <i>Potamogeton robbinsii</i>	Common Name: Robbins' pondweed
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: MARSHES AND SWAMPS.	Micro Habitat: DEEP WATER, LAKES. 1525-3495 M.
--	--

Last Date Observed: 1941-09-10	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1941-09-10	Occurrence Rank: Unknown
Owner/Manager: UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
SUNSET LAKE (NEAR BLUE LAKE), HEADWATERS OF THE EAST CARSON RIVER.

Detailed Location:
MAPPED ACCORDING TO DIRECTIONS PROVIDED BY D. TAYLOR IN 2003.

Ecological:

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1941 COLLECTION BY CALHOUN.

PLSS: T09N, R19E, Sec. 27, NW (M)	Accuracy: 2/5 mile	Area (acres): 0
UTM: Zone-11 N4277390 E249457	Latitude/Longitude: 38.60967 / -119.87736	Elevation (feet): 11,464

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957), Pacific Valley (3811958)
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Sources:

CAL41S0001	CALHOUN, A. - CALHOUN SN DS #279527, GH #355494 1941-09-10
TAY03U0001	TAYLOR, D. - EMAIL TO R. BITTMAN REGARDING POTAMOGETON ROBBINSII CNDDDB CORRECTION 2003-07-08



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 14440	EO Index: 90696
Key Quad: Freel Peak (3811978)	Element Code: PMPOT030Z0
Occurrence Number: 12	Occurrence Last Updated: 2013-07-16

Scientific Name: <i>Potamogeton robbinsii</i>	Common Name: Robbins' pondweed
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists:
State: None	
CNDDDB Element Ranks:	
Global: G5	
State: S3	

General Habitat: MARSHES AND SWAMPS.	Micro Habitat: DEEP WATER, LAKES. 1525-3495 M.
--	--

Last Date Observed: 1975-08-23	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1975-08-23	Occurrence Rank: Unknown
Owner/Manager: USFS-LAKE TAHOE BMU	Trend: Unknown
Presence: Presumed Extant	

Location:
GRASS LAKE, JUST NORTH OF LUTHER PASS.

Detailed Location:
MAPPED BY CNDDDB AS BEST GUESS AROUND GRASS LAKE; EXACT LOCATION OF POTAMOGETON ROBBINSII WITHIN THE LAKE IS UNKNOWN.

Ecological:
OPEN WATER, PROBABLY 2-3 METERS DEEP AT EDGE OF FLOATING SPHAGNUM BOG. WITH BRASENIA SCHREBERI, NUPHAR LUTEA POLYSEPALA, UTRICULARIA VULGARIS, MYRIOPHYLLUM VERTICILLATUM, ETC.

Threats:
General:
ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1975 THORNE & DEBUHR COLLECTION.

PLSS: T11N, R18E, Sec. 23, N (M)	Accuracy: specific area	Area (acres): 292
UTM: Zone-11 N4297755 E242759	Latitude/Longitude: 38.79104 / -119.96175	Elevation (feet): 7,700

County Summary: El Dorado	Quad Summary: Freel Peak (3811978)
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Sources:
THO75S0026 THORNE, R. & L. DEBUHR - THORNE #47217 RSA #381277 1975-08-23



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 97926	EO Index: 99321
Key Quad: Ebbetts Pass (3811957)	Element Code: PPOPH010S0
Occurrence Number: 29	Occurrence Last Updated: 2015-10-21

Scientific Name: <i>Botrychium ascendens</i>	Common Name: upswept moonwort
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists: USFS_S-Sensitive
State: None	
CNDDB Element Ranks:	
Global: G3G4	
State: S2	

General Habitat: LOWER MONTANE CONIFEROUS FOREST, MEADOWS AND SEEPS.	Micro Habitat: GRASSY FIELDS, CONIFEROUS WOODS NEAR SPRINGS AND CREEKS. 1115-3265 M.
--	--

Last Date Observed: 2014-08-23	Occurrence Type: Natural/Native occurrence
Last Survey Date: 2014-08-23	Occurrence Rank: Unknown
Owner/Manager: USFS-STANISLAUS NF	Trend: Unknown
Presence: Presumed Extant	

Location:
SW TRYON MEADOW, HIGHLAND LAKES VICINITY, STANISLAUS NATIONAL FOREST.

Detailed Location:
MAPPED ACCORDING TO 2014 LO COORDINATES AND DIGITAL DATA, IN THE NW 1/4 OF THE SW 1/4 OF SECTION 32.

Ecological:
GROWING IN THREE SEPARATE SEEPS AT THE BASE OF VERTICAL ROCK OUTCROPS ON A VERY STEEP SLOPE. PARENT MATERIAL IS VOLCANIC, SLOPE IS 30 DEGREES, ASPECT IS EAST, AND LIGHT IS PARTIAL SUN. ASSOCIATED WITH GENTIANA CALYCOSA, ARNICA, ETC.

Threats:
EROSION.

General:
51 PLANTS OBSERVED IN 2014. AN ADDITIONAL 38 PLANTS WERE FOUND BUT THEY MAY HAVE BEEN BOTRYCHIUM LINEARE.

PLSS: T08N, R20E, Sec. 32, W (M)	Accuracy: specific area	Area (acres): 2
UTM: Zone-11 N4265209 E255241	Latitude/Longitude: 38.50164 / -119.80673	Elevation (feet): 8,790

County Summary: Alpine	Quad Summary: Ebbetts Pass (3811957)
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Sources:

LO-14F0002	LO, B. (U.S. FOREST SERVICE-STANISLAUS NATIONAL FOREST) - FIELD SURVEY FORM FOR BOTRYCHIUM ASCENDENS 2014-08-16
USF15D0001	U.S. FOREST SERVICE-HUMBOLDT/TOIYABE NATIONAL FOREST - EXTRACT OF RARE PLANT DATA FOR THE PORTION OF HUMBOLDT-TOIYABE NATIONAL FOREST IN CALIFORNIA 2015-XX-XX



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 99159	EO Index: 100674	
Key Quad: Carson Pass (3811968)	Element Code: PPOPH010S0	
Occurrence Number: 42	Occurrence Last Updated: 2016-02-10	

Scientific Name: <i>Botrychium ascendens</i>	Common Name: upswept moonwort
Listing Status:	Rare Plant Rank: 2B.3
Federal: None	Other Lists: USFS_S-Sensitive
State: None	
CNDDB Element Ranks:	
Global: G3G4	
State: S2	

General Habitat: LOWER MONTANE CONIFEROUS FOREST, MEADOWS AND SEEPS.	Micro Habitat: GRASSY FIELDS, CONIFEROUS WOODS NEAR SPRINGS AND CREEKS. 1115-3265 M.
--	--

Last Date Observed: XXXX-XX-XX	Occurrence Type: Natural/Native occurrence
Last Survey Date: XXXX-XX-XX	Occurrence Rank: Unknown
Owner/Manager: UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
CARSON PASS SOUTH.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS AROUND CARSON PASS AND MAJOR TRAILS HEADING SOUTH FROM PASS, BASED ON A PLANT CHECKLIST CREATED BY EL DORADO CNPS.

Ecological:
Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN EL DORADO CNPS PLANT CHECKLIST. DATE OF OBSERVATION IS UNKNOWN.

PLSS: T10N, R18E, Sec. 27 (M)	Accuracy: 1 mile	Area (acres): 1,987
UTM: Zone-11 N4285824 E240232	Latitude/Longitude: 38.68292 / -119.98633	Elevation (feet):

County Summary: Alpine	Quad Summary: Carson Pass (3811968), Caples Lake (3812061)
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Sources:
ELD09U0001 EL DORADO CNPS - CHECKLIST OF PLANTS FROM CARSON PASS SOUTH, CALFLORA ID: CE191 2009-XX-XX

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

Plant List

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

Search Criteria

Found in Quads 3811978, 3811977, 3811976, 3811968, 3811967, 3811966, 3811958 3811957 and 3811956;

[Modify Search Criteria](#)
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[Modify Sort](#)
[Display Photos](#)

Scientific Name	Common Name	Family	Lifeform	Blooming Period	CA Rare Plant Rank	State Rank	Global Rank
Agrostis humilis	mountain bent grass	Poaceae	perennial herb	Jul-Sep	2B.3	S2	G4Q
Astragalus whitneyi var. lenophyllus	woolly-leaved milk-vetch	Fabaceae	perennial herb	Jul-Aug	4.3	S4	G5T4
Boechera microphylla	small-leaved rockcress	Brassicaceae	perennial herb	Jul	3	S3	G4Q
Botrychium ascendens	upswept moonwort	Ophioglossaceae	perennial rhizomatous herb	(Jun)Jul-Aug	2B.3	S2	G3G4
Bruchia bolanderi	Bolander's bruchia	Bruchianaceae	moss		4.2	S3	G3G4
Carex davyi	Davy's sedge	Cyperaceae	perennial herb	May-Aug	1B.3	S3	G3
Carex limosa	mud sedge	Cyperaceae	perennial rhizomatous herb	Jun-Aug	2B.2	S3	G5
Carex petasata	Liddon's sedge	Cyperaceae	perennial herb	May-Jul	2B.3	S3	G5
Carex vallicola	western valley sedge	Cyperaceae	perennial rhizomatous herb	Jul-Aug	2B.3	S2	G5
Caulanthus major var. nevadensis	slender jewelflower	Brassicaceae	perennial herb	Jun-Sep	4.3	S3?	G4T3?
Chaenactis douglasii var. alpina	alpine dusty maidens	Asteraceae	perennial herb	Jul-Sep	2B.3	S2	G5T5
Claytonia megarhiza	fell-fields claytonia	Montiaceae	perennial herb	Jul-Sep	2B.3	S2	G5
Claytonia umbellata	Great Basin claytonia	Montiaceae	perennial herb	May-Aug	2B.3	S1	G4

<u>Crepis runcinata</u>	fiddleleaf hawksbeard	Asteraceae	perennial herb	May-Aug	2B.2	S3	G5
<u>Cryptantha crymophila</u>	subalpine cryptantha	Boraginaceae	perennial herb	Jul-Aug	1B.3	S3	G3
<u>Cryptantha glomeriflora</u>	clustered-flower cryptantha	Boraginaceae	annual herb	Jun-Sep	4.3	S4	G4Q
<u>Draba asterophora var. asterophora</u>	Tahoe draba	Brassicaceae	perennial herb	Jul- Aug(Sep)	1B.2	S2?	G2T2?
<u>Elymus scribneri</u>	Scribner's wheat grass	Poaceae	perennial herb	Jul-Aug	2B.3	S3	G5
<u>Epilobium howellii</u>	subalpine fireweed	Onagraceae	perennial stoloniferous herb	Jul-Aug	4.3	S4	G4
<u>Epilobium palustre</u>	marsh willowherb	Onagraceae	perennial rhizomatous herb	Jul-Aug	2B.3	S2	G5
<u>Eriastrum sparsiflorum</u>	few-flowered eriastrum	Polemoniaceae	annual herb	May-Sep	4.3	S4	G5
<u>Eriogonum luteolum var. saltuarium</u>	Jack's wild buckwheat	Polygonaceae	annual herb	Jul-Sep	1B.2	S1	G5T1
<u>Eriophorum gracile</u>	slender cottongrass	Cyperaceae	perennial rhizomatous herb (emergent)	May-Sep	4.3	S4	G5
<u>Erythranthe carsonensis</u>	Carson Valley monkeyflower	Phrymaceae	annual herb	Apr-Jun	1B.1	S1	G2
<u>Helodium blandowii</u>	Blandow's bog moss	Helodiaceae	moss		2B.3	S2	G4
<u>Lewisia kelloggii ssp. hutchisonii</u>	Hutchison's lewisia	Montiaceae	perennial herb	(Apr)May- Aug	3.2	S3	G3G4T3Q
<u>Lewisia kelloggii ssp. kelloggii</u>	Kellogg's lewisia	Montiaceae	perennial herb	(Apr)May- Aug	3.2	S2S3	G3G4T2T3Q
<u>Meesia triquetra</u>	three-ranked hump moss	Meesiaceae	moss	Jul	4.2	S4	G5
<u>Polystichum lonchitis</u>	northern holly fern	Dryopteridaceae	perennial rhizomatous herb	Jun-Sep	3	S3	G5
<u>Potamogeton robbinsii</u>	Robbins' pondweed	Potamogetonaceae	perennial rhizomatous herb (aquatic)	Jul-Aug	2B.3	S3	G5
<u>Rhamnus alnifolia</u>	alder buckthorn	Rhamnaceae	perennial deciduous shrub	May-Jul	2B.2	S3	G5
<u>Schoenoplectus subterminalis</u>	water bulrush	Cyperaceae	perennial rhizomatous herb (aquatic)	Jun- Aug(Sep)	2B.3	S3	G4G5
<u>Tonestus eximius</u>	Tahoe tonestus	Asteraceae	perennial rhizomatous herb	Jul-Aug	4.3	S3	G3
<u>Utricularia ochroleuca</u>	cream-flowered bladderwort	Lentibulariaceae	perennial stoloniferous herb	Jun-Jul	2B.2	S1	G4G5
<u>Viola purpurea ssp. aurea</u>	golden violet	Violaceae	perennial herb	Apr-Jun	2B.2	S2	G5T2

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 15 September 2020].

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Questions and Comments

rareplants@cnps.org

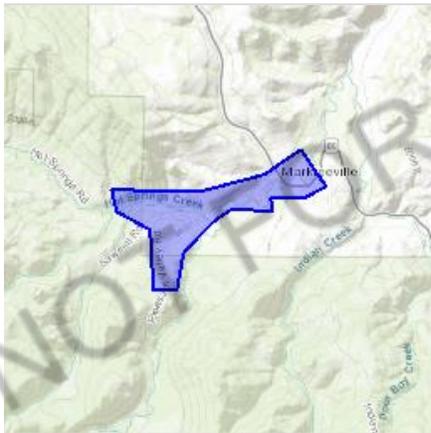
IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Alpine County, California



Local office

Reno Fish And Wildlife Office

☎ (775) 861-6300

📠 (775) 861-6301

1340 Financial Boulevard, Suite 234
Reno, NV 89502-7147

<http://www.fws.gov/nevada/>

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species

¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

-
1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.
 2. [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.

The following species are potentially affected by activities in this location:

Amphibians

NAME

STATUS

Sierra Nevada Yellow-legged Frog *Rana sierrae*

Endangered

There is **final** critical habitat for this species. Your location is outside the critical habitat.

<https://ecos.fws.gov/ecp/species/9529>

Yosemite Toad *Anaxyrus canorus*

Threatened

There is **final** critical habitat for this species. Your location is outside the critical habitat.

<https://ecos.fws.gov/ecp/species/7255>

Fishes

NAME

STATUS

Lahontan Cutthroat Trout *Oncorhynchus clarkii henshawi*

Threatened

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/3964>

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act

¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>

- Measures for avoiding and minimizing impacts to birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds
<http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the [FAQ below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Jan 1 to Aug 31
Black Swift <i>Cypseloides niger</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8878	Breeds Jun 15 to Sep 10

Cassin's Finch <i>Carpodacus cassinii</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9462	Breeds May 15 to Jul 15
Lewis's Woodpecker <i>Melanerpes lewis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9408	Breeds Apr 20 to Sep 30
Olive-sided Flycatcher <i>Contopus cooperi</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3914	Breeds May 20 to Aug 31
Rufous Hummingbird <i>selasphorus rufus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8002	Breeds elsewhere
Williamson's Sapsucker <i>Sphyrapicus thyroideus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/8832	Breeds May 1 to Jul 31
Willow Flycatcher <i>Empidonax traillii</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/3482	Breeds May 20 to Aug 31

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

[PEM1C](#)

[PEM1A](#)

FRESHWATER FORESTED/SHRUB WETLAND

[PSS1A](#)

FRESHWATER POND

[PUBHx](#)

RIVERINE

[R3UBH](#)

[R4SBCx](#)

[R4SBC](#)

[R5UBFx](#)

A full description for each wetland code can be found at the [National Wetlands Inventory website](#)

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities

involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

Appendix B

Energy Calculation Data

Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Diesel Fuel Usage
Site Preparation	Excavator	1	8	158	0.3819	10	241
Site Preparation	Off-highway trucks	2	8	402	0.3819	10	1,228
Infrastructure removal and replacement	Excavator	1	8	158	0.3819	55	1,327
Infrastructure removal and replacement	Generator set	1	8	84	0.74	55	1,368
Infrastructure removal and replacement	Welder	1	8	46	0.45	55	455
Infrastructure removal and replacement	Off-highway trucks	2	8	402	0.3819	55	6,755
Pump station construction	Generator set	1	8	84	0.74	30	746
Pump station construction	Tractor/loader/backhoe	1	8	97	0.37	30	431
Pump station construction	Welder	1	8	46	0.45	30	248
Pump station construction	Bore/Drill rig	1	8	221	0.50	30	1,333
Architectural Coating	Air Compressor	1	8	78	0.48	5	75
TOTAL							14,208

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Daily Hauling Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Site Preparation	18	0	0	10	180	0	0	10.00	6.50	20.00	1800	0.00	-	61	0
Infrastructure removal and replacement	18	2	3	55	990	110	165	10.00	6.50	20.00	9900	715.00	3,300.00	334	588
Pump station construction	18	2	0	30	540	60	0	10.00	6.50	20.00	5400	390.00	-	182	57
Architectural Coating	18	0	0	5	90	0	0	10.00	6.50	20.00	900	0.00	-	30	0
TOTAL													608	645	

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Total gallons of diesel (construction equipment plus hauling trips)	14,853
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EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: Alpine

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Miles per gallon
ALPINE	2021	LDA	Aggregated	Aggregated	GAS	2,892	111,758	13,591	3.5	32.20
ALPINE	2021	LDA	Aggregated	Aggregated	DSL	22	948	107	0.0	52.43
ALPINE	2021	LDA	Aggregated	Aggregated	ELEC	32	1,369	164	-	-
ALPINE	2021	LDT1	Aggregated	Aggregated	GAS	335	11,500	1,501	0.4	27.27
ALPINE	2021	LDT1	Aggregated	Aggregated	DSL	0	1	0	0.0	30.07
ALPINE	2021	LDT1	Aggregated	Aggregated	ELEC	1	50	6	-	-
ALPINE	2021	LDT2	Aggregated	Aggregated	GAS	1,152	41,424	5,305	1.7	24.84
ALPINE	2021	LDT2	Aggregated	Aggregated	DSL	7	298	34	0.0	37.97
ALPINE	2021	LDT2	Aggregated	Aggregated	ELEC	6	213	32	-	-
ALPINE	2021	T7 tractor	Aggregated	Aggregated	DSL	6	657	74	0.1	6.8

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Fuel Efficiency Calculation

	Value	Units
Gasoline consumption by LDA, LDT 1, and LDT 2	5,560	gallons/day
VMT for LDA, LDT1, and LDT 2	164,683	miles/day
Gasoline fuel efficiency	29.62	miles/gallon
Diesel consumption by T7 tractor construction	96.3	gallons/day
VMT for T7 tractor construction	657	miles/day
Diesel fuel efficiency	6.82	miles/gallon

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: ALPINE

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

Region	Calendar Year	Vehicle Category	Model			Population	VMT	Trips	NOx emissions (tons/day)			
			Year	Speed	Fuel				NOx_RUN EX	NOx_IDLE X	NOx_STRE X	NOx_TOT EX
ALPINE	2021	LDA	Aggregatec	Aggregatec	GAS	2891.558165	111758.4	13591.07	0.006719	0	0.003635	0.010355
ALPINE	2021	LDA	Aggregatec	Aggregatec	DSL	21.98603445	948.423	107.4965	9.91E-05	0	0	9.91E-05
ALPINE	2021	LDA	Aggregatec	Aggregatec	ELEC	32.29684409	1369.009	164.292	0	0	0	0
ALPINE	2021	LDT1	Aggregatec	Aggregatec	GAS	334.7859245	11500.17	1501.351	0.002267	0	0.000673	0.002941
ALPINE	2021	LDT1	Aggregatec	Aggregatec	DSL	0.014887563	0.697583	0.07557	2.14E-08	0	0	2.14E-08
ALPINE	2021	LDT1	Aggregatec	Aggregatec	ELEC	1.135863469	49.65087	5.83366	0	0	0	0
ALPINE	2021	LDT2	Aggregatec	Aggregatec	GAS	1152.295036	41424.33	5305.149	0.005839	0	0.002509	0.008347
ALPINE	2021	LDT2	Aggregatec	Aggregatec	DSL	6.808836468	297.92	33.80697	9.39E-06	0	0	9.39E-06
ALPINE	2021	LDT2	Aggregatec	Aggregatec	ELEC	6.285362319	213.239	32.00876	0	0	0	0
ALPINE	2021	T7 tractor	Aggregatec	Aggregatec	DSL	5.843480685	657.1886	74.2122	0.00439	0.000183	8.62E-05	0.004658

PM2.5_R	PM2.5_ID	PM2.5_ST	PM2.5_TO	PM2.5_P	PM2.5_P	PM2.5_TO	PM10_RU	PM10_IDL	PM10_ST	PM10_TO	PM10_PM	PM10_PM	PM10_TO	
UNEX	LEX	REX	TEX	MTW	MBW	TAL	NEX	EX	REX	TEX	TW	BW	TAL	
0.000174		0	2.86E-05	0.000203	0.000246	0.00194	0.002389	0.000189	0	3.11E-05	0.000221	0.000986	0.004527	0.005733
5.16E-06		0	0	5.16E-06	2.09E-06	1.65E-05	2.37E-05	5.4E-06	0	0	5.4E-06	8.36E-06	3.84E-05	5.22E-05
0		0	0	0	3.02E-06	2.38E-05	2.68E-05	0	0	0	0	1.21E-05	5.55E-05	6.75E-05
2.88E-05		0	5.03E-06	3.39E-05	2.54E-05	0.0002	0.000259	3.13E-05	0	5.47E-06	3.68E-05	0.000101	0.000466	0.000604
2.38E-09		0	0	2.38E-09	1.54E-09	1.21E-08	1.6E-08	2.49E-09	0	0	2.49E-09	6.15E-09	2.83E-08	3.69E-08
0		0	0	0	1.09E-07	8.62E-07	9.71E-07	0	0	0	0	4.38E-07	2.01E-06	2.45E-06
6.74E-05		0	1.15E-05	7.9E-05	9.13E-05	0.000719	0.000889	7.33E-05	0	1.26E-05	8.59E-05	0.000365	0.001678	0.002129
1.14E-06		0	0	1.14E-06	6.57E-07	5.17E-06	6.96E-06	1.19E-06	0	0	1.19E-06	2.63E-06	1.21E-05	1.59E-05
0		0	0	0	4.7E-07	3.7E-06	4.17E-06	0	0	0	0	1.88E-06	8.64E-06	1.05E-05
7.08E-05	2.99E-07		0	7.11E-05	6.52E-06	1.92E-05	9.68E-05	7.4E-05	3.13E-07	0	7.43E-05	2.61E-05	4.47E-05	0.000145

CO2_RUN	CO2_IDLE	CO2_STRE	CO2_TOT	CH4_RUN	CH4_IDLE	CH4_STRE	CH4_TOTE	N2O_RUN	N2O_IDLE	N2O_STRE	N2O_TOT	ROG_RUN	ROG_IDLE				
EX	X	X	EX	EX	X	X	X	EX	X	X	EX	EX	X				
32.0046		0	0.876458	32.88106	0.000349		0	0.001139	0.001488	0.000681		0	0.000458	0.001139	0.00144	0	
0.202973		0		0	0.202973	6.71E-07		0	0	6.71E-07	3.19E-05		0	0	3.19E-05	1.44E-05	0
0		0		0	0			0	0	0			0	0	0	0	0
3.878992		0	0.116102	3.995094	0.000101		0	0.000217	0.000318	0.000152		0	6.11E-05	0.000213	0.000466	0	
0.00026		0		0	0.00026	5.31E-10		0	0	5.31E-10	4.09E-08		0	0	4.09E-08	1.14E-08	0
0		0		0	0			0	0	0			0	0	0	0	0
15.34395		0	0.452524	15.79648	0.00022		0	0.000651	0.000871	0.000421		0	0.000241	0.000662	0.00096	0	
0.088047		0		0	0.088047	2.35E-07		0	0	2.35E-07	1.38E-05		0	0	1.38E-05	5.06E-06	0
0		0		0	0			0	0	0			0	0	0	0	0
1.052883	0.027663		0	1.080546	5.72E-06	5.04E-07		0	6.22E-06	0.000165	4.35E-06		0	0.00017	0.000123	1.08E-05	

ROG_STRE X	ROG_TOT EX	ROG_DIU RN	ROG_HTS K	ROG_RUN LS	ROG_REST L	ROG_TOT AL	TOG_RUN EX	TOG_IDLE X	TOG_STRE X	TOG_TOT EX	TOG_DIU RN	TOG_HTS K	TOG_RUN LS
0.005388	0.006829	0.000332	0.001876	0.004092	0.000237	0.013366	0.002099	0	0.0059	0.007998	0.000332	0.001876	0.004092
0	1.44E-05	0	0	0	0	1.44E-05	1.64E-05	0	0	1.64E-05	0	0	0
0	0	2.32E-07	8.85E-07	0	4.73E-08	1.16E-06	0	0	0	0	2.32E-07	8.85E-07	0
0.001194	0.00166	0.000115	0.000505	0.002271	7.27E-05	0.004624	0.000681	0	0.001307	0.001988	0.000115	0.000505	0.002271
0	1.14E-08	0	0	0	0	1.14E-08	1.3E-08	0	0	1.3E-08	0	0	0
0	0	8.15E-09	3.14E-08	0	1.67E-09	4.12E-08	0	0	0	0	8.15E-09	3.14E-08	0
0.003296	0.004257	0.000223	0.001093	0.004759	0.000163	0.010495	0.0014	0	0.003609	0.005009	0.000223	0.001093	0.004759
0	5.06E-06	0	0	0	0	5.06E-06	5.76E-06	0	0	5.76E-06	0	0	0
0	0	4.51E-08	1.72E-07	0	9.21E-09	2.27E-07	0	0	0	0	4.51E-08	1.72E-07	0
0	0.000134	0	0	0	0	0.000134	0.00014	1.23E-05	0	0.000152	0	0	0

TOG_REST	TOG_TOT				CO_TOTE	SOx_RUN	SOx_IDLE	SOx_STRE	SOx_TOTE	Fuel
L	AL	CO_RUNEX	CO_IDLEX	CO_STREX	X	EX	X	X	X	Consumption
0.000237	0.014535	0.092848098	0	0.047563	0.140411	0.000317	0	8.67E-06	0.000325	3.47070128
0	1.64E-05	0.000242493	0	0	0.000242	1.92E-06	0	0	1.92E-06	0.01808954
4.73E-08	1.16E-06	0	0	0	0	0	0	0	0	0
7.27E-05	0.004952	0.021564848	0	0.005753	0.027318	3.84E-05	0	1.15E-06	3.95E-05	0.42169495
0	1.3E-08	9.06492E-08	0	0	9.06E-08	2.46E-09	0	0	2.46E-09	2.3201E-05
1.67E-09	4.12E-08	0	0	0	0	0	0	0	0	0
0.000163	0.011247	0.051844639	0	0.024103	0.075948	0.000152	0	4.48E-06	0.000156	1.66736864
0	5.76E-06	4.52896E-05	0	0	4.53E-05	8.32E-07	0	0	8.32E-07	0.00784703
9.21E-09	2.27E-07	0	0	0	0	0	0	0	0	0
0	0.000152	0.000457786	0.00012	0	0.000578	9.95E-06	2.61E-07	0	1.02E-05	0.09630153