2011 Mountain Yellow-legged Frog Monitoring Plan Survey Results El Dorado Hydroelectric Project, FERC No. 184

February 2012

Prepared For: El Dorado Irrigation District 2890 Mosquito Road Placerville, California 95667

Prepared By: ECORP Consulting, Inc. 2525 Warren Drive Rocklin, California 95677

2011 Mountain Yellow-legged Frog Monitoring Plan Survey Results

TABLE OF CONTENTS

FERC Project 184

1.1 INTRODUCTION	1
1.1 Project Background	1
2.0 METHODS	1
2.1 Site Descriptions	1
2.2 MYLF/Herpetofauna Surveys	2
3.0 RESULTS	3
4.0 DISCUSSION	7
5.0 REFERENCES	8
FIGURES Figure 1. Project Site and Vicinity – Lake Aloha and Echo Lake Figure 2. Project Site and Vicinity – Caples Lake and Silver Lake Figure 3. MYLF Survey Results: Lake Aloha Southern Shoreline and Western Tributary to Snowmelt Pond Figure 4. MYLF Survey Results: Lake Aloha Auxiliary Dams Overflow Downstream	Ponds
Table 1. Dates and Staff for MYLF Monitoring Surveys	

LIST OF ATTACHMENTS

Attachment A – Site Photographs

Attachment B – MYLF Photographs

Attachment C – Inventory Datasheets and Field Notes

1.0 INTRODUCTION

1.1 Project Background

The El Dorado Irrigation District (District) owns and operates the El Dorado Hydroelectric Project (Project 184), which is licensed by the Federal Energy Regulatory Commission (FERC). As required by the FERC Project 184 License, the District is required to conduct surveys for Mountain Yellow-legged Frog (MYLF)¹ every five years pursuant to the Project 184 *MYLF Monitoring Plan* (Plan; EID 2010). MYLF monitoring surveys conducted in 2011 represent the year five monitoring effort. Since Lake Aloha spilled on two occasions during the 2011 spring runoff period (initially from July 6 to July 12, and again from July 31 to August 8 [EID 2011]), MYLF surveys and trout removal activities were also required in the ponds and habitats downstream of the Lake Aloha auxiliary dams.

The District retained ECORP Consulting, Inc. (ECORP) to conduct protocol surveys for MYLF at all monitoring sites specified in the Plan, including surveys conducted in conjunction with trout removal efforts in the ponds downstream of the auxiliary dams. Results of the 2011 MYLF surveys are reported herein.

Results of the 2011 trout removal efforts are reported under separate cover.

2.0 METHODS

2.1 Site Descriptions

ECORP conducted MYLF surveys in 2011 at the locations identified in the Plan:

Echo Lake – Camp Harvey Tributary and Associated Ponds (Site 440 T/L)

Site 440IT/L includes six subsites: the Camp Harvey tributary to Upper Echo Lake, Cagwin Lake, and four natural ponds located immediately west of Upper Echo Lake.

- Subsite 440a (Cagwin Lake) is located immediately to the east of Ralston Lake.
- Subsite 440b is a perennial natural pond located south of Cagwin Lake.
- Subsite 440c is a perennial natural pond located east of Cagwin Lake. The subsite includes the pond and an associated tributary and meadow.
- Subsite 440d is a perennial natural pond located north of Cagwin Lake and east of Tamarack Lake.
- Subsite 440e is a perennial natural pond located near the western edge of Upper Echo Lake.
- Subsite 440f (Camp Harvey tributary to Upper Echo Lake) is located at the northwest end of Upper Echo Lake.

¹ In 2008, the Society for the Study of Amphibians and Reptiles recognized the Mountain Yellow-legged frog as two distinct species, Rana muscosa - Southern Mountain Yellow-legged Frog (MYLF) and Rana sierrae - Sierra Nevada Yellow-legged Frog (SNYLF). SNYLF is the species native to the SF American River watershed that is addressed in this report; however, this report uses the nomenclature MYLF to be consistent with the terminology used in the Project 184 license documents.

- Silver Lake (Site 750 LP) southern and eastern shorelines
- Camp Silverado (Site 753 IT) up to 0.5 mile from confluence depending on suitable habitat
- Unnamed Silver Lake Tributary (Site 752 IT) up to 0.5 mile from confluence depending on suitable habitat
- Caples Lake (Site 895 LP) southern shoreline
- Lake Aloha and Associated Downstream Ponds and Habitats (Site 550 LP) southern shoreline; tributary along western shoreline

24 Ponds Downstream of the Lake Aloha Auxiliary Dams

- The survey area consisted of the vicinity of the spillway path below the auxiliary dams at the southeast end of Lake Aloha downstream to the confluence with Channel Lake (Figure 1). All surface waters in the auxiliary spillway path were surveyed, along with several ponds in the immediate vicinity that could be connected to the spillway path during high flow periods (i.e., ponds or other potential frog habitat located just above the spillway path where fish passage may occasionally be possible). The ponds surveyed in 2011 were the same as those surveyed in 2007 and 2010 (GANDA 2007 and 2010).
- Since perimeters of surveyed ponds were mapped in 2010 (Garcia and Associates 2010) in accordance with the CDFG Sierra Nevada Fish and Amphibian Survey Protocol (CDFG 2009) under similar hydrologic conditions, pond perimeters were not re-surveyed during this survey effort. However, photographs were taken of all surveyed ponds to document current conditions.
- Upper Echo Lake (Site 455 LP) vicinity of Camp Harvey tributary
- Emigrant Creek (Site 897 IT) up to 1.0 miles from confluence depending on suitable habitat

The MYLF survey locations are identified in Figures 1 and 2.

2.2 MYLF/Herpetofauna Surveys

Protocol surveys for MYLF were conducted in 2011 in accordance with the California Department of Fish Game (CDFG) Sierra Nevada Fish and Amphibian Survey Protocol (CDFG 2009). This protocol focuses on visual encounter surveys (VES) for various amphibian and reptile species; the primary focus of these surveys was on the life stages of MYLF potentially present during the surveys including: larvae / tadpole (i.e., hatch-year, over-winter tadpoles, and metamorphosing tadpoles), juveniles (first year frogs), subadults (second and third year frogs), and adults (third year or older frogs of breeding age).

MYLF VES were conducted in late August and early September 2011. Information regarding survey date of each site is included in Table 1.

Site / Subsite	Date Surveyed
Camp Harvey (Site 440 T/L)	
Subsite A	1 September 2011
Subsite B	22 August 2011
Subsite C	22 August 2011
Subsite D	22 August 2011
Subsite E	29 August 2011
Subsite F	22 August 2011
Silver Lake (Site 750 LP)	24 August 2011
Camp Silverado (Site 753 IT)	24 August 2011
Unnamed Silver Lake Tributary (Site 752 IT)	25 August 2011
Caples Lake (Site 895 LP)	23 August 2011
Lake Aloha and Associated Downstream Ponds and Habitats	31 August and 1 September 2011
Upper Echo Lake (Site 455 LP)	1 September 2011
Emigrant Creek (Site 897 IT)	23 August 2011

VES were conducted by a minimum of two biologists walking slowly along the margins of lakes, perimeters of ponds, and along each side of tributary streams. Biologists paused frequently to look ahead for basking animals, and dip nets were used to gently sweep nearshore aquatic habitat and banks in an effort to dislodge stationary animals for easier observation and identification; and to catch animals, when necessary for identification (specimens were not captured by hand). The total number of individuals observed by species and life stage and Gosner stage for tadpoles and metamorphs was recorded in the appropriate field on the standard CDFG inventory datasheet. Adult (>45 millimeter [mm] snout-vent length [SVL]), subadult (35 to 44 mm SVL), and juvenile (25 to 34 mm SVL) MYLF specimens were captured in nets and measured to the nearest mm SVL; and larval MYLF specimens were measured to the nearest mm for total length (TL). Incidental observations of MYLF (individuals observed in aquatic habitats or other areas adjacent to formal survey sites) were also recorded during VESs.

In addition to MYLF, all other herpetofauna observations were also recorded. All snakes that were captured were palpated to identify prey items, and then released.

Habitat characteristics such as water temperature, color, turbidity, depth, and littoral/shoreline zone substrate composition were recorded along with survey conditions (e.g., wind and weather conditions) on the Amphibian and Fish Inventory Datasheet (i.e., the CDFG protocol standard).

3.0 RESULTS

MYLF survey results for all monitoring sites are provided below. Photographs of all monitoring sites are provided in Attachment A, representative MYLF photographs are provided in Attachment B, and inventory datasheets and field notes are included in Attachment C.

Echo Lake - Camp Harvey Tributary and Associated Ponds (Site 440 T/L)

During the 2011 MYLF monitoring surveys, one tadpole was observed at Site 440 T/L Subsite C. The tadpole was 74 mm in length and Gosner stage 39-40. MYLF observations are summarized in Table 2.

Table 2 - Survey Results at Site 440 T/L

Survey Site	Survey	MYLF	#	#	# Larvae	# Egg
	Date	Observed	Adults	Subadults		Masses
Subsite A (Cagwin Lake)	9/1/11	No	-	-	-	-
Subsite B	8/22/11	No ¹	-	-	-	-
Subsite C	8/22/11	Yes ²	-	-	1 (Gosner	-
					stage 39-40)	
Subsite D	8/22/11	No	-	-	-	-
Subsite E	8/29/11	No ³	-	-	-	-
Subsite F (Camp Harvey	8/22/11	No	-	-	-	-
tributary)						

^{1 = 2} sierran chorus frog (*Pseudacris sierra*) larvae observed.

Silver Lake (Site 750 LP)

No MYLF were observed along the lake margin during the August 24, 2011 survey. The lake level was approximately 0.33 m (1.0 ft) below maximum elevation. Abundant small fish were observed in shallow areas along with schools of large trout.

Camp Silverado (Site 753 IT)

No amphibians were observed in the creek during the August 24, 2011 survey.

<u>Unnamed Silver Lake Tributary (Site 752 IT)</u>

One adult MYLF was positively identified during the August 25, 2011 survey, and two additional adult frogs (also likely MYLF) were also observed jumping into a cascade located approximately 0.4 mi upstream from the lake; however, this sighting could not be verified even after a follow-up visit.

Table 3 - Survey Results at Site 752 IT

Survey Site	Survey	MYLF	#	#	#	# Egg
	Date	Observed	Adults	Subadults	Larvae	Masses
Unnamed tributary to Silver Lake - 0.5 miles upstream from lake	8/25/11	Yes	1 ¹	-	-	-

 $^{^{1}}$ = In addition, 2 potential adult frogs were observed jumping into a cascade but the MYLF sighting could not be verified.

² = 90 sierran chorus frog and 1 long-toed salamander larvae (*Ambystoma macrodactylum*) also observed.

³ = 50 sierran chorus frog larvae observed.

Caples Lake (Site 895 LP)

No amphibians were observed along the lake margin during the August 24, 2011 survey. Water level was approximately 0.25 m (1.0 ft) below maximum elevation for lake. Abundant small fish (likely minnows) and signal crayfish (*Pacifasticus leniusculus*) were observed in the shallow water habitat along portions of the shoreline.

Lake Aloha and Associated Downstream Ponds and Habitats (Site 550 LP)

Lake Aloha

During the 2011 MYLF monitoring surveys, 10 adults, 4 subadults, 3 juveniles, and 55 larval MYLF were observed along the Lake Aloha southern shoreline and associated pond habitats. A total of 56 adults, 27 subadults, 4 juveniles, and 16 larvae MYLF were observed within the Lake Aloha tributary along the western shoreline. A total of 64 adults, 42 subadults, 11 juveniles, and 331 larval MYLF were observed within the snowmelt pond along the Lake Aloha western shoreline. MYLF observations at Site 550 LP are summarized in Table 3, and locations of each MYLF observation is noted in Figure 3.

Table 4 –	Survey	Results	at	Site	550	LP

Survey Site	Survey Date	MYLF Present	MYLF Breeding	# Adults	# Subadults	# Juv.	# Larvae	# Egg
			Observed					Masses
Lake Aloha -	8/31,	Yes	Yes	10	4	3	55	-
southern	9/1							
shoreline								
Lake Aloha	9/1	Yes	Yes	56	27	4	16	-
tributary on								
western shoreline								
Snowmelt pond	9/1	Yes	Yes	64	42	11	331	-
along western								
shoreline								
Incidental	9/1	Yes	No	2	-	-	-	-
observations in								
the vicinity of the								
Lake Aloha								
tributary								
Incidental	9/1	Yes	No	2	-	-	-	-
observations in								
the vicinity of the								
snowmelt pond								

Ponds Downstream of the Lake Aloha Auxiliary Dams (Conducted in conjunction with trout removal activities)

In 2011, a total of 24 ponds were surveyed in the ponds and habitats downstream of the Lake Aloha auxiliary dams (Figure 4). MYLF observations are summarized in Table 2. A total of 13

adult MYLF (plus 3 incidental observations), 19 subadults (plus 5 incidental observations), 12 juveniles (plus 5 incidental observations), and 34 larvae (over-wintering tadpoles and metamorphosing tadpoles) were observed during the 2011 surveys. Two hatched MYLF egg masses were observed in Pond A, but no tadpoles from the 2011 hatch were observed during the surveys. Locations of MYLF observations are noted in Figure 4. Most MYLF were observed basking near the edges of the ponds. Over-wintering tadpoles ranged in size from approximately 62 to 79 mm TL.

Chorus frog (*Pseudacris sierra*) tadpoles were common and often abundant in the survey ponds; however, no adult chorus frogs were observed. Chorus frog tadpoles were observed in 8 of the 24 ponds (total of approximately 1,047 individuals). A total of 15 western terrestrial garter snakes (*Thamnophis elegans*) were observed at 8 of the 24 ponds (4 adult and 11 subadult snakes). Most snakes that were palpated had empty stomachs, but one had been feeding on chorus frog tadpoles.

Survey Site	Survey	MYLF	MYLF	#	#	#	#	#
-	Date	Present	Breeding	Adults	Subadults	Juv.	Larvae	Egg
			Observed					Masses
Pond a	8/29	Yes	Yes	-	1	4	16	-
Pond b	8/30	Yes	No	-	3	-	-	-
Pond c	8/30	Yes	No	3	-	1	-	-
Pond d	8/29	Yes	Yes	-	-	1	1	-
Pond e	8/29	Yes	Yes	1	-	-	8	-
Pond f	8/30	Yes	No	2	-	1	-	-
Pond g	8/30	Yes	No	1	-	1	-	-
Pond h	8/31	No	No	ı	-	1	-	-
Pond i	8/30	Yes	No	ı	3	1	-	-
Pond j	8/30	Yes	Yes	-	-	2	8	-
Pond k	8/30	No	No	-	-	-	-	-
Pond I	8/30	No	No	-	-	-	-	-
Pond m	8/30	Yes	No	2	-	-	-	-
Pond n	8/31	Yes	No	1	1	-	-	-
Pond o	8/31	Yes	No	1	1	-	-	-
Pond p	8/30	Yes	No	1	2	2	-	-
Pond q	8/31	No	No	-	-	-	-	-
Pond r	8/31	Yes	No	-	-	1	-	-
Pond s	8/31	Yes	No	1	-	-	-	-
Pond t	8/30	No	No	-	-	-	-	-
Pond u	8/30	Yes	No	-	6	-	-	-
Pond v	8/31	No	No	-	-	-	-	-
Pond w	8/30	Yes	No	-	2	-	-	-
Pond x	8/31	Yes	Yes	-	-	-	1	-
Totals				13	19	12	34	0
Incidental	8/29 –	Yes	No	3	5	5	-	-
observations at	8/31							
other nearby								
ponds								

Upper Echo Lake (Site 455 LP)

No amphibians were observed during the August 22, 2011 survey along Upper Echo Lake in the vicinity of the Camp Harvey tributary. Small fish were abundant in shallow water areas.

Emigrant Creek (Site 897 IT)

No amphibians were observed during the August 23, 2011 survey. The creek was dry beyond 0.6 miles upstream of Caples Lake.

4.0 DISCUSSION

Results of the 2011 MYLF surveys indicate that the numbers of MYLF observed at these sites in 2011 were generally similar to that observed in 2004 (ECORP 2005) during the initial survey efforts. However, it should be noted that the sites were refined following the 2004 sampling. A comparison of the 2011 VES results with previous survey results are provided below in Table 6.

Survey	Survey	MYLF	MYLF	#	#	#	#	#
Year	Sites	Present	Breeding Observed	Adults	Subadults	Juv.	Larvae	Egg Masses
2004								
	440 IT/L, Subsite C	Yes	Yes	-	-	2	-	-
	753 IT	Yes	Yes	6	-	1	-	-
	550 LP	Yes	Yes	40	>60	>25	100s	-
	24 Ponds Downstream of Lake Aloha	-	-	-	-	-	-	-
2007								
	24 Ponds Downstream of Lake Aloha	Yes	Yes	19	31	-	4	-
2010								
	24 Ponds Downstream of Lake Aloha	Yes	Yes	19	29	-	35	-
2011								
	440 IT/L, Subsite C	Yes	Yes	ı	-	ı	1	-
	Site 752 IT	Yes	Yes	1	-	-	-	-
	550 LP	Yes	Yes	130	73	18	402	-
	24 Ponds Downstream of Lake Aloha	Yes	Yes	13	19	12	34	-

At Site 550LP (Lake Aloha and associated downstream ponds), 2011 observations indicate that the MYLF population at all of these sites including the ponds downstream of the Lake Aloha

auxiliary dams are fairly robust, and population numbers appear to be relatively stable. Similar numbers of MYLF were observed in 2011 to that documented in both 2010 and 2007; and the number observed during the initial surveys conducted in 2004 (ECORP 2005) were also generally similar. In 2011, MYLF were observed in 19 of the 24 ponds downstream of Lake Aloha (MYLF were observed in 19 ponds in 2010 and 16 ponds in 2007; (GANDA 2007 and 2010). It is likely that the increased numbers of frogs observed in 2010 and 2011 relative to 2007 is, at least partially, associated with the later survey period (August 2011 and August 2010 relative to July 2007); but may also reflect improved breeding conditions and/or recruitment during 2010 and 2009 compared to 2006.

In 2011, MYLF were observed in Pond A (where 1 brook trout [Salvelinus fontinalis] was captured in 2011 and 2 were captured in 2004), Pond I (where 4 brook trout were captured in 2010), and Pond J (where 4 brook trout were captured in 2011, 12 were collected in 2010, and 2 were captured in 2007).

5.0 REFERENCES

- California Department of Fish and Game (CDFG) 2009. Sierra Nevada Fish and Amphibian Inventory Data Sheet Instructions. California Department of Fish & Game Fish/Amphibian Survey Protocols Version 2.4, April 10, 2009.
- El Dorado Irrigation District (EID). 2010. El Dorado Hydroelectric Project FERC Project No. 184 Mountain Yellow-Legged Frog Monitoring Plan. December 2010
- El Dorado Irrigation District (EID). 2011. Federal Energy Regulatory Commission Project 184-CA 2011 Lake Aloha Spill Monitoring Report. 5 pp.
- EN2 Resources Inc. (EN2) 2004. Lake Aloha 2004 Initial Trout Survey and Removal Report. El Dorado Hydroelectric Project (FERC Project No. 184). October 2004.
- GANDA 2007. Final Report 2007 Lake Aloha Mountain Yellow-Legged Frog Surveys El Dorado Hydroelectric Project (FERC No.184). February 2008.
- GANDA 2011. Final Report 2010 Lake Aloha Mountain Yellow-Legged Frog Surveys El Dorado Hydroelectric Project (FERC No.184). January 2011.
- ECORP 2002. Special Status Amphibian Surveys for EID Project 184. 70 pp.
- ECORP 2005. Results of the 2004 (Year 1) Amphibian Monitoring Program for Foothill Yellow-legged Frog and Mountain Yellow-legged Frog for El Dorado Hydroelectric Project (FERC Project No. 184). 71 pp.
- Gosner, K.L. 1960. A Simplified Table for Staging Anuran Embryos and Larvae with notes on Identification. Herpetologica V16: 183-190.
- Stebbins, R.C. 2003. A Field Guide to Western Reptiles and Amphibians. 3d ed. Houghton Mifflin, Boston.

LIST OF FIGURES

- Figure 1. Project Site and Vicinity Lake Aloha and Echo Lake
- Figure 2. Project Site and Vicinity Caples Lake and Silver Lake
- Figure 3. MYLF Survey Results: Lake Aloha Southern Shoreline and Western Tributary to Snowmelt Pond
- Figure 4. MYLF Survey Results: Lake Aloha Auxiliary Dams Overflow Downstream Ponds

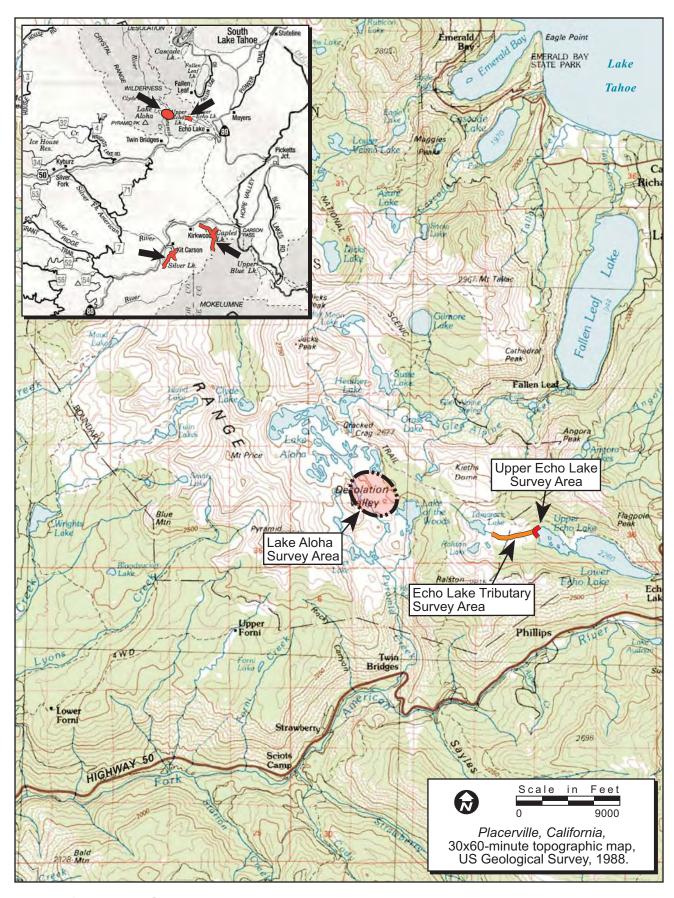


Figure 1. Project Site and Vicinity - Lake Aloha and Echo Lake



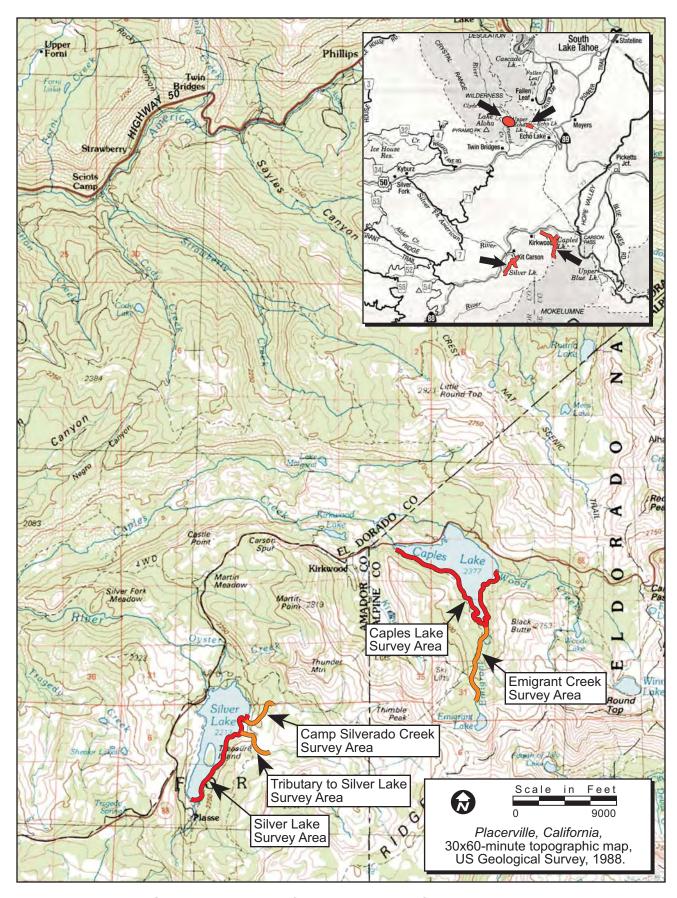
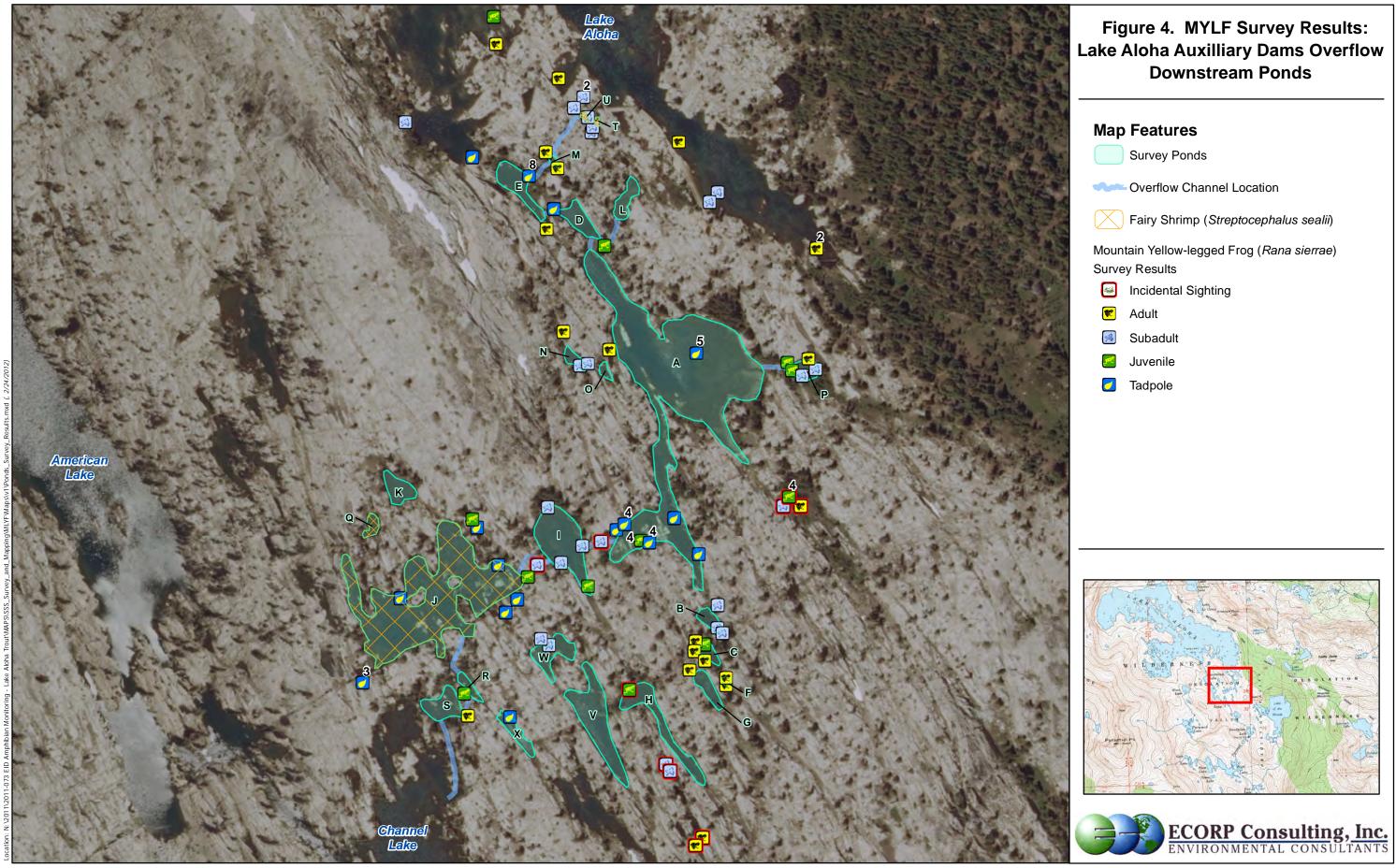


Figure 2. Project Site and Vicinity - Caples Lake and Silver Lake







LIST OF ATTACHMENTS

Attachment A – Site Photographs

Attachment B – MYLF Photographs

Attachment C – Inventory Datasheets and Field Notes

ATTACHMENT A

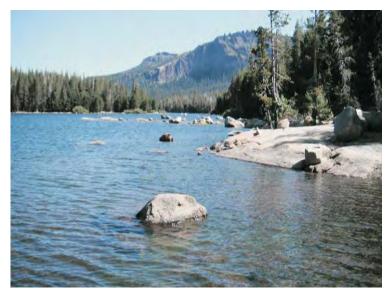
Site Photographs



Site 750 LP - looking northwest



Site 750 LP - looking east



Site 750 LP - looking east



Site 750 LP - looking west





Site 753 IT - looking west



Site 753 IT - looking east



Site 753 IT - looking east



Site 753 IT - looking east





Site 895 LP - looking east towards dam



Site 895 LP - looking north

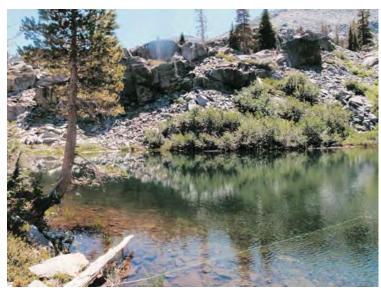


Site 895 LP - looking weast



Site 895 LP - looking north





Subsite A. Looking south



Subsite B. Looking south



Subsite A. Looking west



Subsite B. Looking west





Subsite C. Looking west



Subsite C. MYLF tadpole



Subsite C. Looking south



Subsite C. MYLF tadpole





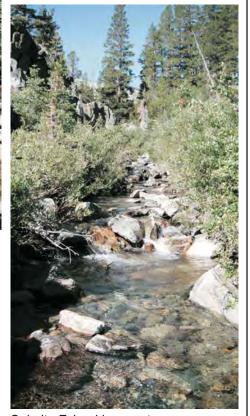
Subsite D. Looking west



Subsite E. Looking south



Subsite F. Looking west



Subsite F. Looking west





Pond A. Looking north.



Pond B.



Pond A. Looking south.



Pond C.





Pond D.



Pond F.



Pond E.



Pond G.





Pond H.



Pond J.



Pond I.



Pond K.





Pond L.



Pond N.

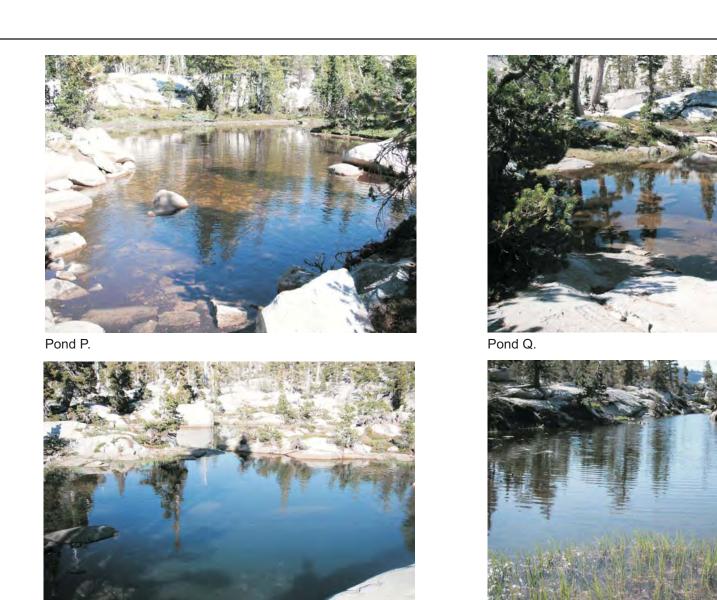


Pond M.



Pond O.





Pond S.



Pond R.



Pond T.



Pond V.



Pond U.



Pond W.

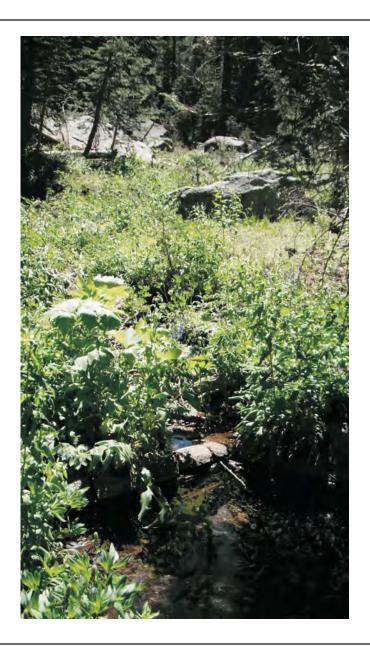




Pond X.

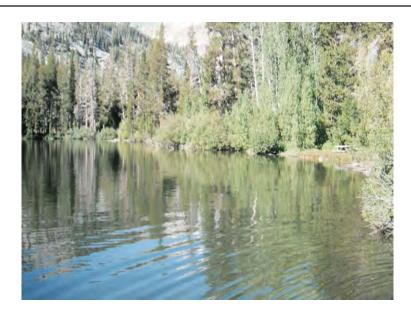




















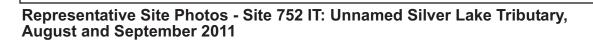
Representative Site Photos - Site 455 LP: Upper Echo Lake Shoreline in Vicinity of Camp Harvey, August and September 2011













ATTACHMENT B

MYLF Photographs



Tadpole



Metamorph

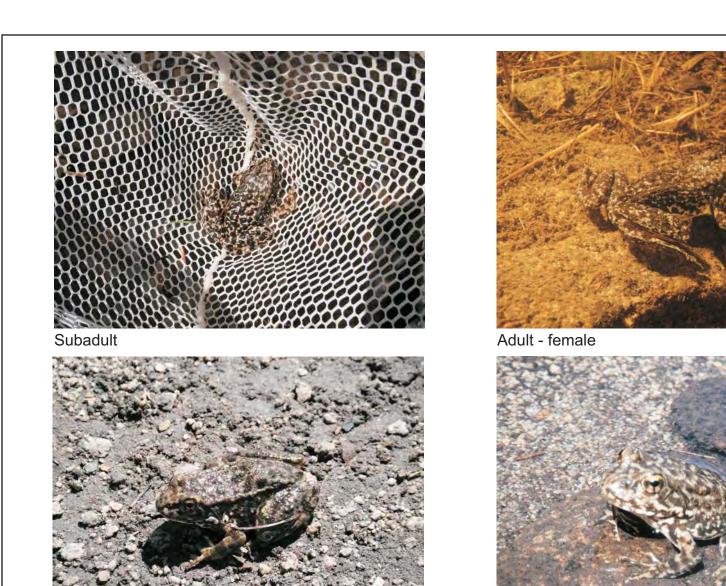


Tadpole with legs



Juvenile





Adult - female



Adult - male









Adult - male

ATTACHMENT C

Inventory Datasheets and Field Notes

20° AVRELENP

SNYLF Amphibian Data Sheet - 2009

Site ID: 5.16 de Date:	-	Water type: (ake) Inmanned pand	C+room		
	07/6/11	ΞΙ.	nd oneam Marsh	n spring seep	(Perennial Ephemeral
/ Wmm-dd-yy)		ed, reason:	ening frozen, dry, o	r not found par	stream widening frozen, dry, or not found part of another water body
Lake Name;	Planning Watershed:		Location (use common language)	non language)	
(from map) CAGUN		ecklist")	,		
County:	Elevation:	UTM:		North UTM: 430 ₹2€	0356
El Dorado	m # 7737	x 851	(only for lakes w/o a site ID: obtain from GPS unit)	ite ID: obtain from	GPS unit
Topographic Map (7.5'):	Weather:(Clear)	Overcast Wind: Calm Light Strong pH:	MH:	lax. lake depth	Team members:
Echo Late, CA	Rain)	rce:	(m): 15-26'	0×182
Amphibian observer(s):	Survey	Survey start time:	Total survey duration:	Г	Weather: Clear Overcast Rain Snow
\mathbf{v}		0	(min) 30 min	Wind:	bug
Only:	M North UTM	End East UTM No	North UTM	Stream order:	
of my.					Turbidity: Clear Cloudy
Amphibian/reptile species	# adults # sı	# subadults # larvae	# egg masses (Comments	Survey Method
					7
z	To organize and the second	e. 1/6 defenses and the state of the state o	A commenter (American Commenter)		Aural Hand Collected
Voucner? Y N #	- 1				Dip Net/Seine
	No RAST OBS	observed in Lake.			Visual Trapped
z	8 USFS (Fill ,	Fill nets obsaying is I	9		Aural Hand Collected
Voucher? Y N #		יוו רפי	ۮۣ		Dip Net/Seine
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					Visual Trapped
z 2 - >					Aural Hand Collected
voucier? T N #					Dip Net/Seine
\ C. C. E. E. E. E					Visual Trapped
Calling:					Aural Hand Collected
voucher? Y N #					Dip Net/Seine
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					Visual Trapped
Voirher? Y N #					Aural Hand Collected
# N	- 1				Dip Net/Seine
water Temp. (.om from shore, 10cm deep):	ore, 10cm deep): 🐧 🔊 ර	@ 1300 CorF	Air Temp. (1m above water):	e water):	12 OC CAFF
amnhihians. Sierra Nevada vollow logged fro	ACI) sad basal mollow				

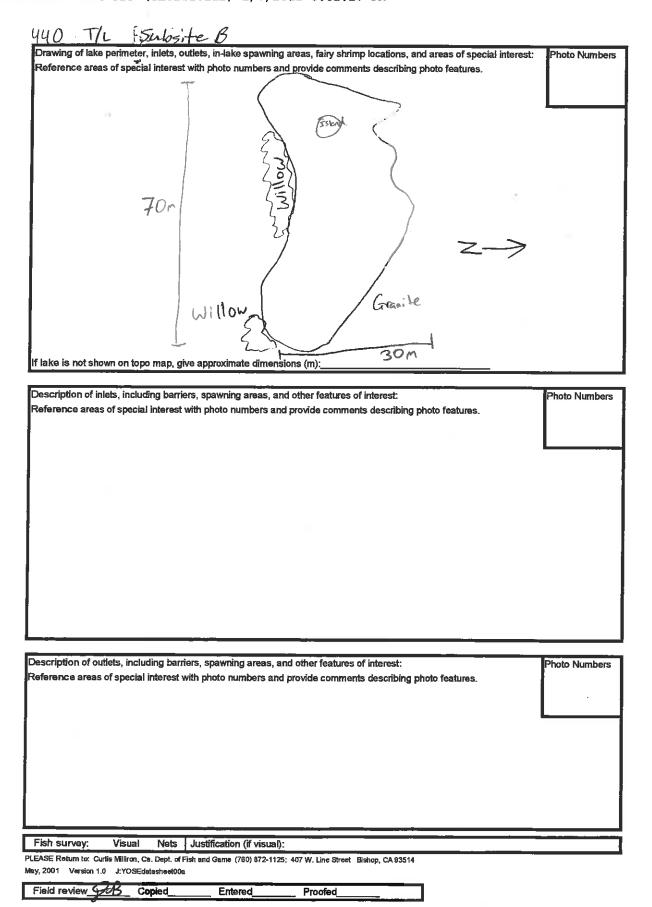
amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newt (TATO), bullfrog (LICA), long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Subsite A - 440 T/L	
Drawing of lake perimeter, inlets, outlets, in-lake spawning areas, fairy shrimp locations, and areas of special interest:	Photo Numbers
Reference areas of special interest with photo numbers and provide comments describing photo features.	
	k Klow
	C/4/2
	χ_{χ}
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	N
Inglow	6 (41)
Linglan	
7/4	
	#1
If lake is not shown on topo map, give approximate dimensions (m):	
Description of inlets, including barriers, spawning areas, and other features of interest:	Photo Numbers
Reference areas of special interest with photo numbers and provide comments describing photo features.	
,	1
	1 1
	i
	ľ
	ļ
Description of outlets, including barriers, spawning areas, and other features of interest:	Photo Numbers
Reference areas of special interest with photo numbers and provide comments describing photo features.	
	į
	:
	!
	1
	1
Fish survey: Visual Nets Justification (if visual):	
Fish survey: Visual Nets Justification (if visual): PLEASE Return to: Curtis Milliron, Ca. Dept. of Fish and Game (760) 872-1125; 407 W. Line Street Bishop, CA 93514	
May, 2001 Version 1.0 J.YOSEdatasheet00e	
Field review Copied Entered Proofed	

Site ID: Subside B Date: 08/22/11	Water type: Lake Unmapped pond	Stream	Marsh Spring seep	Perennial Enhameral	
440 T/L (mmm-da-yy)	If not sampled, reason: strean	□	or not found nar	of another water ho	
Lake Name: () AND AND POACH Planning			mon length and	of gribaries water body	
	(from "Lakes Checklist")	70 to 040 \	mion ianguage)	. 2	
1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	/ 1	٦.	- 430 II 33F OF CAGUIN LAKE	Lake	
S D C A O (m) # 2.292 "/2	East UTM: 0759180 1830 仏 10s	_	North UTM: 4303 056	32056	
		(offiny for lakes w/o a site ID; obtain from GPS unit)	Site ID; obtain fron	GPS unit)	
Weather: Cleap	Overcast Wind: Calm Light/Strong pH:	rong pH:	Max. lake depth		
Scho Lale, CA Rain S	Snaw	source:	(m): 1,75	ES, OB	
server(s):	Survey start time: \30S	Total survey duration:	ion: Weather.	Clear Overcast Rain	Snow
35	ind time	(min) 30	Wind:	bug	Г
m Start East UTM	/ End East UTM	North UTM	Г	Clea	T
omy: +52214 4503063	590			Turbidity: Clear Cloudy	
Amphibian/reptile species #adults	# subaduits # larvae	# egg masses	Comments	deth	
7557	7			M	
Calling	1			Aural Hand Collected	pe
Voucher? Y (N/#				Dip Ney/Seine	
				Visual Trapped	
z :	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			Aural Hand Collected	ed
Voucher? Y N # N Voucher?	SN DOSCINED			Dip Net/Seine	
				Visual Trapped	
z : > :				Aural Hand Collected	b
Voucher? Y N #				Dip Net/Seine	
0				Visual Trapped	
z				Aural Hand Collected	ed
voucner; y N #				Dip Net/Seine	
	-			Visual Trapped	
Youcher ✓ N #	-			Aural Hand Collected	ed
Mother Town (England 1997)		_		Dip Net/Seine	
water 1 emp. (.om from shore, 10cm deep);	14 @ (305 CorF	r F Air Temp. (1m above water):		23 @ 1305 (CAFF	F.

amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newt (TATO), bullfrog (LICA), long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow frout (RT), golden trout (GT), cutthroat trout (CT), brown frout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 926+827



subsite a

SNYLF Amphibian Data Sheet - 2009

Coation (use common language) Coation (use common language)		ON E. Ampindan Data Sileet - 2003	14 Olleet - 2003		大三 20 5 まると	
If not sampled, resson: stream widening frozen, dry, or not found part of another water body Annual develor Planning Watershed; Location (use common language)		Water type: Lake (Unmapped por	Stream		(Perennial)	
Cocation (use common language) Cocation (use common language	// (mmm-dd-yy)	ed, reason:	ening frozen, dry,	or not found par	t of another water body	
Copying Lay Reg (from "Lakes Checklist") North UTM: 4303299	Lake Name: Unnamed Pond Plann	ing Watershed:	Location (use com	mon language)		
East UTM: 4 3 3 3 2 4 9 North UTM: 4 3 3 3 2 4 9 North UTM: 4 3 3 3 2 4 9 North UTM: 4 3 3 3 2 4 9 North UTM: 6 2 3 1 7 North UTM: 6 2 3 1	(from map) Neal Casuin Lake (from	"Lakes Checklist")				
1	-			North UTM: 석 3	03299	
Weather GeaD Overcast Wind: Calm (写形) Strong pH:			nly for lakes w/o a	site ID; obtain from	n GPS unit)	
Fain Show Source: (m): 0, 9 0.6 E.5		Wind: Calm Cight Strong	PH:	Max. lake depth	Team members:	
Factor 10 10 10 10 10 10 10 1	Ì	Snow	rce:	.	06, ES	
East UTM North UTM End East UTM North UTM Stream order: Color: Clear Strong	Amphibian observer(s): $()$ B $_{ m J}$ E S	Survey start time: 12:00	Total survey durati		Overcast Rain	
## Stream order: Color: Clear Stained		nd time	(min) 30	Wind:	ght Strong	
## # subadults # subadults # larvae # egg masses Comments Survey Method ## ## ## ## ## ## ## ## ## ## ### ###	m Start East UTM	JTM End East UTM		Stream order:	Clear	
# Survey Method Write Wri	1000 PM				_	
## WY JAY WAY JAY WAY AND JAY WAY AND JAY WAY AND JAY WAY WAY JAY WAY WAY WAY WAY WAY WAY WAY WAY WAY W			egg masses	Comments	Survey Method	
# Aural Hand Collected ##	FYSST.	非 選 井 子 子				
#	Calling?	H H H H H H				
#	Voucner? Y (N)#	其其			Dip Net/Seine	
## Aural Aural (Hand Collected Dip Net/Seine 1 (744mm, rest 1843 1840 1	l, elegans	=				
(74mm, rear Photos: 806 - Visual Trapped 1255,39-40 Photos: 806 - Visual Trapped Pand Collected	Calling? Y					
(744mm, rest Photosi 806 - Visual Trapped 1255, 39-40 905A-C) Aural Hand Collected Aural Hand Collected Aural Hand Collected Dip Net/Seine Hand Collected Aural Hand Collected Dip Net/Seine Aural Hand Collected Dip Net/Seine CRor F Air Temp. (1m above water): 19.0 Aural Au	voucher: 1 // #				Dip Net/Seine	
Pass, 39-40 State Hand Collected	t. sierae	(Hum, rest	. 1	Photos: 806 -	Trapped	752378
Color Colo		(25 5 39-40 2050-C)		813	Hand Collected	130328S
Visual Trapped Aural Hand Control Dip Net/Seine Trapped Aural Hand Control Dip Net/Seine Trapped Aural Hand Control Dip Net/Seine Hand Control Dip Net/Seine Hand Control Dip Net/Seine Hand Control Dip Net/Seine	- 1				Ojp Net/Seine	
Aural Hand Co Dip Net/Seine Visual Trapped Aural Hand Co Aural Hand Co SS Cor Air Temp. (1m above water): 19.0 @ 19.5 Cor Air Temp. (1m above wa	# TENER TO THE PROPERTY OF THE	_				
Dip Net/Seine Trapped Visual Trapped Aural Hand Co SS Cor F Air Temp. (1m above water): So Cor F Air Temp. (2m above water): S						
Visual Trapped Aural Hand Co Dip Net/Seine	Voucher? Y ///#				Dip Net/Seine	
Aural Hand Co Dip Net/Seine P.O @ : SS (Cor F Air Temp. (1m above water); P.O @						
Dip Net/Seine Dip Net/Seine Oic SS (Cor F Air Temp. (1m above water): 19.0 @ 11:5 に						
1.5 O W 11:55 CorF Air Temp. (1m above water): 19.0 W 11:55	Voucner? T N #				Dip Net/Seine	
	Water Temp. (.5m from shore, 10cm deep)	19.0 @ 11:55 CorF	Air Temp. (1m abo		CorF	

Pand. Photos: 14-18

Substate: 100% fines & soil M from Shore - 3.2

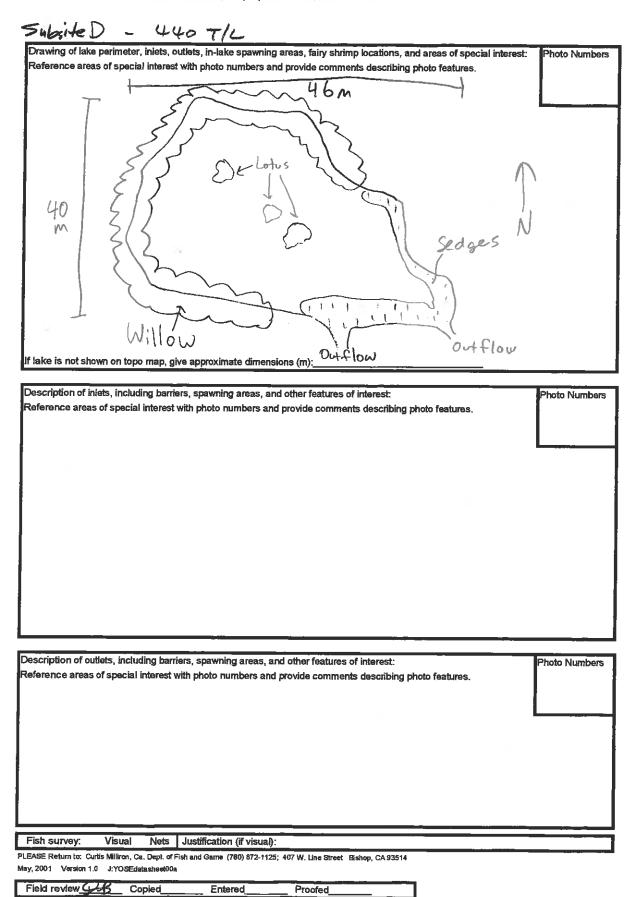
Subsite D

SNYLF Amphibian Data Sheet - 2009

Site ID:	Date: 00/00/11	Motorting		1		ı
7-	1710	יי אמוניו ואספי רפ		d Stream Marsh	sh Spring seep	Perennial Ephemeral
(Wmm-dd-yy)	- 4	If not sampled, reason:		stream widening frozen, dry, or not found		part of another water body
Lake Name: Unnowed Yord		Planning Watershed:		Location (use common language)	0	
(from map)	(from "I	(from "Lakes Checklist")				
County:	Elevation:	East UTM:	TM:		North UTM: 4202600	02400
El Dorado	m)# 2324 m	752	752302 (0	(anly for lakes w/o a site ID; obtain from GPS unit	site ID: obtain from	n GPS unit)
Topographic Map (7.5'):	Weather: Clear	Overcast Wind:	Weather: Clear Overcast Wind: Calm Light Strong pH:	Ha	Max. lake depth	Team members:
Echo Lale, CA	Rain	Snow)	ce:	(m) (O)	ES, DB
Amphibian observer(s):		Survey start time: 14 O S	SOHI	Total survey duration:	Weathe	Glear Overcast Rain Spow
21		End time (hhmm): 4 2.5		(min) 20 min		alm (Light) Strong
Stream Start East UTM	North U	TM End E	End East UTM No		tream order:	Cole
oiny.						ĺ
Amphibian/reptile species	#adults	# subadults	# larvae	# egg masses	Comments	흉
N > C&:illo	\(\frac{1}{2}\)	40000			COR, DYT	Visual Trapped
z 2 - >	NO 4:5N 0	SA STOR	_		-	Aural Hand Collected
* N = L	100 amph	miens observed	موهر			Dip Net/Seine
N / Caille	\				,	Visual Trapped
						Aural Hand Collected
						Dip Net/Seine
N > Cerillo						Visual Trapped
Z 2						Aural Hand Collected
Voucier 1 1						Dip Net/Seine
						Visual Trapped
z :						Aural Hand Collected
Voucner? Y #						Dip Net/Seine
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			-			Visual Trapped
Calling: I N						Aural Hand Collected
# N	- 100					Dip Net/Seine
Water Lemp. (.3m from shore, 10cm deep):	_	a	14:05 (C.br F	Air Temp. (1m above water):		22 @ 14:05 (CbrF
amphibians: Sierro Nevedo veilos lessent		10 A Cl A Co	11000/			

amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newt (TATO), bullfrog (LICA), long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 828-836=



	dd-yy)	if not sampled, re	eason: stream wide	ning frozen dry,	sh Spring se or not found	part of another wate	r body
Lake Name:		Watershed:		Location (use cor	mmon language	e)	
(from map)	·· (from "La	akes Checklist")		Just Ea	st of	upper Ec	Lake
County:	Elevation:	East U	M:075330	7	North UTM: L	1303459	-NO P-CHC
El Dorado	m (f) 7419	105		(only for lakes w/o			
Topographic Map (7.5'):			Calm (Light) Strong	pH:	Max. lake der		
Echo Lake, CA	Rain S		built (Eight) buong	source:	(m): 1,0		:15.
20100000	Tall 0	11011		Source.	(m). 170	DBIEK	
Person recording habitat in	formation:		Substrat	e transects with ac	untin venetatio		AND PROPERTY OF THE PARTY OF TH
Littoral zone substrate com		tol):	Joubstrat	e transects with at	ruatic vegetation	1.	
Silt	< 2 mm	2-32 mm	20.64		4 050	250	
Shoreline terrestrial substra			32-64	mm6	4-256 mm	> 256 mm	bedro
					The same of the sa		
Silt-64 mm	>64-256		> 256 mm	grass/sedg		woody debris _	brus
Width (cm) and depth (cm)		. ***		A PARTON OF THE	Width (cm) ar	nd depth (cm) of out	lets (width/depth
(1)/(2)/	(3)/(4)/(5)	/ (6)/_	perinlets		(2)/(3)/ no
Fish present in inlets?				· market	Fish present i		
(1) Y N ? (2) Y N		(4) Y N ? (5) 8 N 3 (e) 8	N ?	(1) Y N 7	(2) Y N ? (3	3) Y N ?
Distance to first barrier on in	nlets (m):		\times			st barrier on outlets	
		(4)	(5)	(6)	(1)	(2)	(3)
Description of fish barriers of	on inlets: (e.g. "2 m f	alls", or "10 m cas	cade")	-	Description of	fish barriers on out	lets:
(1)(2)		(4)	(5)	(6)	(1)	(2)	(3)
UTM coordinates for fish ba	rriers on inlets:			No. of Street, or other Persons		ites for fish barriers	
(1)(2)	(3)	(4)	(5)	(6)		(2)	
Photo number(s) for fish ba		/			Photo nimber	r(s) for fish barriers	on outlets:
(1)(2)	(3)	(4)	(5)	(6)			(3)
Area of suitable spawning h	abitat on inters (m²)	.3.7	_/ <u></u>	\-/	Area of suitab	(2) le spawning habitat	
(1)(2)	(3)	(4)	(5)	(6)		***	
Evidence of spawning in ink				(U)	(1)	(2) pawning in outlets:	(3)
(1) Spawning fish Redds		(A) Consuming Sale	Dodde Fr. I	M	•	*	·
	-	(4) Spawning fish		None		fish Redds Fr	
(2) Spawning fish Redds	-	(5) Spawning fish	•	Vone		fish Redds Fry	****
(3) Spawning fish Redds		(6) Spawning fish	Redds Fry I	None	(3) Spawning	fish Redds Fry	/ None
Area of in-lake spawning ha	abitat at inlets (nt):						
					Area of in-lake	e spawning habitat	
(1)(2)		4)(5)_	(6)		Area of in-lake		at outlets (m):
1	(3)(1	e spawning habitat (2) (3	at outlets (m):
Fairy Present in lake?	(3)(In lake-a	ssociated pools?	Y N Officer-log	The same of the sa	1	e spawning habitat (2) (3	at outlets (m²):
1	(3)(In lake-a		Y N Officer-log	cations?	1	e spawning habitat (2) (3	at outlets (㎡):
Fairy Present in lake? shripp Collection made?	(3) In lake-a	ssociated pools? n made? Y N	Y N Otherlo	n made? Y N	(1)	e spawning habitat (2) (3	at outlets (㎡):) (ibe locations ap
Fairy Present in lake?	Y N In lake a Y N Contectio	sociated pools? n made? Y N Survey start time:	Y N Otherlog	n made? Y N Total survey durat	ion: Wea	e spawning habitat (2) (3 desco	at outlets (m): (ibe locations ap
Fairy Present in lake? shripp Collection made?	Y N Cottectio	ssociated pools? n made? Y N	Y N Other Collection	Total survey durat	ion: Wea	e spawning habitat (2) (3 desco on m ther: Clear Over	at outlets (m): i) iibe locations ap cast Rain S Strong
Fairy Present in lake? shripp Collection made? Amphibian observer(s): 08	Y N Cottectio	sociated pools? n made? Y N Survey start time: End time (hhmm):	Y N Other Collection	Total survey durat	ion: Wea	e spawning habitat (2) (3 descoon m ther: Clear Over 1: Calm Light	at outlets (m): (be locations ap cast Rain S Strong Stained
Fairy Present in lake? shripp Collection made? Amphibian observer(s): 02 Stream Start East UTM only:	(3) In lake-a Y N Contectio	sociated pools? n made? Y N Survey start time: End time (hhmm): End Ea	Y N Other Question 1200	n made? Y N Total survey durat (min) th UTM	ion: Wea Winc	e spawning habitat (2) (3) description on m ther: Clear Over (1: Calm (1:gh)) Color: Clear Turbidity: Cle	at outlets (m): i) dibe locations ap cast Rain S Strong Strong Cloudy
Fairy Present in lake? Shripp Collection made? Amphibian observer(s): 02 Stream Start East UTM Only: Amphibian/reptile species	(3) In lake a Y N Contectio North UTM # adults	sociated pools? n made? Y N Survey start time: End time (hhmm): End Ea # subadults	Y N Other Question 1200	Total survey durat	ion: Wea	e spawning habitat (2) (3 desc on m ther: Clear Over t: Calm (ight) Color: Clear Turbidity: Cle	at outlets (m): i) ribe locations ap cast Rain S Strong Strong Cloudy by Method
Fairy Present in lake? shripp Collection made? Amphibian observer(s): Description of the collection made? Stream Start East UTM only: Amphibian/reptile species THEL	Y N Coffection Y N Coffection North UTM # adults 12 - Congress	sociated pools? n made? Y Survey start time: End time (hhmm): End Ea # subadults	Y N Other Question 1200	n made? Y N Total survey durat (min) th UTM	ion: Wea Winc	e spawning habitat (2) (3) desc on m ther: Clear Over t: Calm (ight) Color: Cle Turbidity: Cle Visual	at outlets (m): i) ribe locations ap cast Rain S Strong Strong Cloudy ey Method Trapped
Fairy Present in lake? Shripp Collection made? Amphibian observer(s): DE Stream Start East UTM Only: Amphibian/reptile species THEL Calling? Y	(3) In lake a Y N Contectio North UTM # adults	sociated pools? n made? Y Survey start time: End time (hhmm): End Ea # subadults	Y N Other Question 1200	n made? Y N Total survey durat (min) th UTM	ion: Wea Winc	e spawning habitat (2) (3 descoon m ther: Clear Over t: Calm (ight) Color: Clear Turbidity: Cle Visual Aural	at outlets (m): i) ribe locations ap cast Rain S Strong Strong Cloudy ey Method Trapped
Fairy Present in lake? Shripp Collection made? Amphibian observer(s): Description of the collection made? Stream Start East UTM only: Amphibian/reptile species THEL Calling? Y N Voucher? Y N #	Y N Coffection Y N Coffection North UTM # adults 12 - Congress	sociated pools? n made? Y Survey start time: End time (hhmm): End Ea # subadults	Y N Other Question Collection Col	n made? Y N Total survey durat (min) th UTM	ion: Wea Winc	e spawning habitat (2) (3 desc on m ther: Clear Over t: Calm (ight) Color: Cle Turbidity: Cle Visual Aural Dip Net/Seine	at outlets (m): i) cibe locations ap cast Rain S Strong Stained Cloudy ey Method Trapped Hand Collect
Fairy Present in lake? Shripp Collection made? Amphibian observer(s): D2 Stream Start East UTM Only: Amphibian/reptile species THEL Calling? Y Voucher? Y W#	Y N Coffection Y N Coffection North UTM # adults 12 - Congress	sociated pools? n made? Y Survey start time: End time (hhmm): End Ea # subadults	Y N Other Question 1200	n made? Y N Total survey durat (min) th UTM	ion: Wea Winc	e spawning habitat (2) (3 descoon m ther: Clear Over t: Calm (ight) Color: Clear Turbidity: Cle Visual Aural Dip Net/Seine Visual	at outlets (m): i) cibe locations ap cast Rain S Strong Stained Cloudy ey Method Trapped Hand Collect Trapped
Fairy Present in lake? Shripp Collection made? Amphibian observer(s): D2 Stream Start East UTM only: Amphibian/reptile species THEL Calling? Y N	Y N Coffection Y N Coffection North UTM # adults 12 - Congress	sociated pools? n made? Y Survey start time: End time (hhmm): End Ea # subadults	Y N Other Question Collection Col	n made? Y N Total survey durat (min) th UTM	ion: Wea Winc	e spawning habitat (2) (3 desc on m ther: Clear Over t: Calm (ight) Color: Cle Turbidity: Cle Visual Aural Dip Net/Seine Visual Aural	at outlets (m): i) cibe locations ap cast Rain S Strong Stained Cloudy ey Method Trapped Hand Collect Trapped
Fairy Present in lake? Shripp Collection made? Amphibian observer(s): D2 Stream Start East UTM Only: Amphibian/reptile species THEL Calling? Y Voucher? Y W#	North UTM # adults 12 - congress ast Pos	sociated pools? n made? Y N Survey start time: End time (hhmm): End Ea # subadults	Y N Other Question Collection Col	n made? Y N Total survey durat (min) th UTM # egg masses	ion: Wea Winc	e spawning habitat (2) (3 descoon m ther: Clear Over t: Calm (ight) Color: Clear Turbidity: Clear Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	at outlets (m): ibe locations ap cast Rain S Strong Stained Cloudy ey Method Trapped Hand Collect Trapped Fland Collect
Fairy Present in lake? Shripp Collection made? Amphibian observer(s): D2 Stream Start East UTM only: Amphibian/reptile species THEL Calling? Y N	North UTM # adults 12 - Congress O Last Roc - Pand 15	secciated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults	Y N Other Question 1200 st UTM North 4 larvae	Total survey durat (min) th UTM # egg masses	ion: Wea Winc Stream order. diseased/checked	e spawning habitat (2) (3 description on m ther: Clear Over the Color: Clear Turbidity: Clear Surve Visual Aural Dip Net/Seine Visual	at outlets (m): (b) (ibe locations ap cast Rain S Strong Stained ap Cloudy by Method Trapped Hand Collect Trapped (Hand Collect Trapped
Fairy Present in lake? Shripp Collection made? Amphibian observer(s): 02 Stream Start East UTM only: Amphibian/reptile species THEL Calling? Y W Voucher? Y W# Voucher? Y W #	North UTM # adults 12 - Congress O Last Roc - Pand 15	secciated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults	Y N Other Question 1200 st UTM Non # larvae	Total survey durat (min) th UTM # egg masses	ion: Wea Winc Stream order. diseased/checked	e spawning habitat (2) (3 description on m ther: Clear Over the Color: Clear Turbidity: Clear Surve Visual Aural Dip Net/Seine Visual	at outlets (m): ibe locations ap cast Rain S Strong Stained Cloudy ey Method Trapped Hand Collect Trapped Fland Collect
Fairy Present in lake? Stripp Collection made? Amphibian observer(s): 02 Stream Start East UTM only: Amphibian/reptile species THEL Calling? Y W Voucher? Y W # Calling? Y N Calling? Y N	North UTM # adults 12 - Congress O Last Pool - Pond is - Substrate	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults # subadults # subadults	Y N Otherwood Collection 1200 st UTM North Harvae 50 depth 50 - Not Suitally My Scatte	Total survey durat (min) th UTM # egg masses LAM CAST INTERED OF ON HE	ion: Wea Winc Stream order. diseased/checked	e spawning habitat (2) (3 descoon m ther: Clear Over Color: Clear Cight Color: Turbidity: Cle Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Dip Net/Seine	at outlets (m): i) cibe locations ap cast Rain S Strong a Stained a Cloudy ey Method Trapped Hand Collect Trapped Hand Collect
Fairy Present in lake? Stripp Collection made? Amphibian observer(s): 02 Stream Start East UTM only: Amphibian/reptile species THEL Calling? Y W Voucher? Y W # Calling? Y N Calling? Y N Calling? Y N Coucher? Y N #	North UTM # adults 12 - Congress O Last Pool - Pond is - Substrate	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults # subadults # subadults	Y N Other Question 1200 st UTM Non # larvae	Total survey durat (min) th UTM # egg masses LAM CAST INTERED OF ON HE	ion: Wea Winc Stream order. diseased/checked	e spawning habitat (2) (3 descoon m ther: Clear Over Color: Clear Cight Color: Turbidity: Cle Visual Aural Dip Net/Seine Visual	at outlets (m): (b) (b) (b) (c) (c) (c) (c) (c)
Fairy Present in lake? shripp Collection made? Amphibian observer(s): D2 Stream Start East UTM only: Amphibian/reptile species THEL Calling? Y W Calling? Y W Calling? Y N	North UTM # adults 12 - Congress O Last Pool - Pond is - Substrate	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults # subadults # subadults	Y N Otherwood Collection 1200 st UTM North Harvae 50 depth 50 - Not Suitally My Scatte	Total survey durat (min) th UTM # egg masses LAM CAST INTERED OF ON HE	ion: Wea Winc Stream order. diseased/checked	e spawning habitat (2) (3 descoon m ther: Clear Over Color: Clear Cight Color: Clear Turbidity: Cle Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Aural Dip Net/Seine Visual Aural Aural Aural Dip Net/Seine Visual Aural	at outlets (m): (b) (b) (b) (c) (c) (c) (c) (c)
Fairy Present in lake? Stripp Collection made? Amphibian observer(s): 02 Stream Start East UTM only: Amphibian/reptile species THEL Calling? Y W Voucher? Y W # Calling? Y N Calling? Y N Calling? Y N Coucher? Y N #	North UTM # adults 12 - Congress O Last Pool - Pond is - Substrate	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults # subadults # subadults	Y N Otherwood Collection 1200 st UTM North Harvae 50 depth 50 - Not Suitally My Scatte	Total survey durat (min) th UTM # egg masses LAM CAST INTERED OF ON HE	ion: Wea Winc Stream order. diseased/checked	e spawning habitat (2) (3 descoon m ther: Clear Over Color: Clear Cight Color: Clear Ci	at outlets (m):) (ibe locations ap cast Rain S Strong Stained ap Cloudy ey Method Trapped Hand Collect
Fairy Present in lake? Stripp Collection made? Amphibian observer(s): D2 Stream Start East UTM only: Amphibian/reptile species THEL Calling? Y W Calling? Y W Calling? Y N	North UTM # adults 12 - Congress O Last Pool - Pond is - Substrate	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults # subadults # subadults	Y N Otherwood Collection 1200 st UTM North Harvae 50 depth 50 - Not Suitally My Scatte	Total survey durat (min) th UTM # egg masses LAM CAST INTERED OF ON HE	ion: Wea Winc Stream order. diseased/checked	e spawning habitat (2) (3 descoon m ther: Clear Over Color: Clear Cight Color: Clear Ci	at outlets (m): (b) (ibe locations ap cast Rain S Strong Stained ap Cloudy by Method Trapped Hand Collect
Fairy Present in lake? Shripp Collection made? Collection made? Collection made? Stream Start East UTM Conly: Amphibian/reptile species THEL Calling? Y N	North UTM # adults 12 - Congress O Last Pool - Pond is - Substrate	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults # subadults # subadults	Y N Otherwood Collection 1200 st UTM Norm # larvae 50 depth us so of the so	Total survey durat (min) th UTM # egg masses LAM CAST INTERED OF ON HE	ion: Wea Winc Stream order. diseased/checked	e spawning habitat (2) (3 descoon m ther: Clear Over Color: Clear Cight Color: Clear Clear Turbidity: Cle Visual Aural Dip Net/Seine	at outlets (m):) (ibe locations ap cast Rain S Strong Stained ap Cloudy ey Method Trapped Hand Collect Trapped Hand Collect Trapped Hand Collect Trapped Hand Collect
Fairy Present in lake? Shripp Collection made? Amphibian observer(s): D2 Stream Start East UTM Only: Amphibian/reptile species THEL Calling? Y W Coucher? Y W # Calling? Y N Coucher? Y N #	North UTM # adults 12 - Congress O ast Pool - Pond is - Pond is - Substrate - Emergent v	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults	Y N Otherwood Collection 1200 st UTM North # larvae 50 depth us so of the sound w/ scale and is sed.	Total survey durat (min) th UTM # egg masses LM nax. le RAST maked gran He	ion: Wea Winc Stream order: diseased/checked	e spawning habitat (2) (3 descoon m ther: Clear Over Color: Clear Cight Color: Clear Ci	at outlets (m): ap cast Rain S Strong Stained Cloudy Method Trapped Hand Collect
Fairy Present in lake? Shripp Collection made? Amphibian observer(s): D2 Stream Start East UTM Only: Amphibian/reptile species THEL Calling? Y N Coucher? Y N #	North UTM # adults 12 - Congress O ast Pool - Pond is - Pond is - Substrate - Emergent v	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults Hing Uniform in almost an almost an eg.is 95%	Y N Otherwood Collection 1200 st UTM North # larvae 50 depth us so of the sound w/ scale and is sed.	m made? Y N Total survey durat (min) th UTM # egg masses # egg masses Air Temp. (1m abo	ion: Wea Winc Stream order. diseased/checked	e spawning habitat (2) (3 on m ther: Clear Over clear Color: Clear Turbidity: Cle Turbidity: Cle Visual Aural Dip Net/Seine	at outlets (m): ap cast Rain S Strong Stained Cloudy Whethod Trapped Hand Collect
Fairy Present in lake? shripp Collection made? Amphibian observer(s): D2 Stream Start East UTM only: Amphibian/reptile species THEL Calling? Y W Calling? Y W Calling? Y N Coucher? Y N # Calling? Y N Calling Y	North UTM # adults 12 - Congress O ast Pool - Pond is - Substrate - Emergent v e, 10cm deep): egged frog (RAMU)	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults	Y N Otherwood Collection 1200 st UTM Norm # larvae 50 Apth Solon So	Total survey durat (min) th UTM # egg masses If RAST masses Air Temp. (1m abo (BUCA) CA newt (1)	ion: Wea Winc Stream order. diseased/checked cobble	e spawning habitat (2) (3 descoon m ther: Clear Over Color: Clear Turbidity: Cle Turbidity: Cle Visual Aural Dip Net/Seine	at outlets (m): ap cast Rain S Strong Stained Cloudy Method Trapped Hand Collect
Fairy Present in lake? Stripp Collection made? Amphibian observer(s): D2 Stream Start East UTM Only: Amphibian/reptile species THEL Calling? Y N Coucher? Y N #	North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 12 - Congress North UTM # adults 13 - Congress North UTM # adults 14 - Congress North UTM # adults 15 - Congress North UTM # adults 16 - Congress North UTM # adults 17 - Congress North UTM # adults 18 - Congress North UTM # adults 19 - Congress North UTM # adults 10 - Congress North UTM # adults North UT	Survey start time: End time (hhmm): End Ea # subadults Hing Uniform in almost an almo	Y N Other of Collection 1200 st UTM North # larvae 50 - Not Suitable And is Sudant (C) or F (RE) Yosemite toad (see (THEL) common	m made? Y N Total survey durat (min) th UTM # egg masses # egg masses Air Temp. (1m abo (BUCA) CA newt (1) garter snake (THS)	ion: Wea Winc Stream order: diseased/checked cohole ve water): [ATO] bullfrog (Fil) W. pond furt	e spawning habitat (2) (3 descoon m ther: Clear Over d: Calm (igh) Color: Clear Turbidity: Cle Surve Visual Aural Dip Net/Seine	at outlets (m): ap cast Rain S Strong Stained Cloudy ey Method Trapped Hand Collect
Fairy Present in lake? Stream Collection made? Stream Start East UTM Conly: Amphibian observer(s): 02 Stream Start East UTM Conly: Amphibian/reptile species THEL Calling? Y N Coucher? Y N # Calling? Y N Calling? Y N	North UTM # adults 12 - Congress North UTM # adults 12 - Congress Substrate	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults Hing Unifolm in almost on is silt m 29 @ 12 Pacific tree frog (HY restrial garter snal roat trout (CT), bro	Y N Other of Collection 1200 st UTM North # larvae 50 Apth Solution A Scatte And is Scatte and is Scatte (C) or F (RE) Yosemite toad (Re (THEL) common win trout (BN), brooken to the control of the common win trout (BN), brooken trout (B	Total survey durat (min) th UTM # egg masses # egg masses # AST Market Market	diseased/checked we water): [ATO] bullfrog (Fil) W. pond turts (GT x RT, CT	e spawning habitat (2) (3 descoon m ther: Clear Over Color: Clear Cight Color: Turbidity: Cle Visual Aural Dip Net/Seine	at outlets (m): able locations ap cast Rain S Strong Stained able Cloudy by Method Trapped Hand Collect
Fairy Present in lake? Stream Collection made? Stream Start East UTM Conly: Amphibian observer(s): 02 Stream Start East UTM Conly: Amphibian/reptile species THEL Calling? Y N Coucher? Y N # Calling? Y N Calling? Y N	North UTM # adults 12 - Congress North UTM # adults 12 - Congress Substrate	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults Hing Unifolm in almost on is silt m 29 @ 12 Pacific tree frog (HY restrial garter snal roat trout (CT), bro	Y N Other of Collection 1200 st UTM North # larvae 50 Apth Solution A Scatte And is Scatte and is Scatte (C) or F (RE) Yosemite toad (Re (THEL) common win trout (BN), brooken to the control of the common win trout (BN), brooken trout (B	Total survey durat (min) th UTM # egg masses # egg masses # AST Market Market	diseased/checked we water): [ATO] bullfrog (Fil) W. pond turts (GT x RT, CT	e spawning habitat (2) (3 descoon m ther: Clear Over Color: Clear Cight Color: Turbidity: Cle Visual Aural Dip Net/Seine	at outlets (m): able locations ap cast Rain S Strong Stained able Cloudy by Method Trapped Hand Collect
Fairy Present in lake? Stream Collection made? Stream Start East UTM Conly: Amphibian observer(s): 02 Stream Start East UTM Conly: Amphibian/reptile species THEL Calling? Y N Coucher? Y N # Calling? Y N Calling? Y N	North UTM # adults 12 - Congress August Pool August Pool August	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults Hing Unifolm in almost on is silt m 29 @ 12 Pacific tree frog (HY restrial garter snal roat trout (CT), bro	Y N Other of Collection 1200 st UTM North # larvae 50 Apth Solution A Scatte And is Scatte and is Scatte (C) or F (RE) Yosemite toad (Re (THEL) common win trout (BN), brooken to the control of the common win trout (BN), brooken trout (B	Total survey durat (min) th UTM # egg masses # egg masses # AST Market Market	diseased/checked we water): [ATO] bullfrog (Fil) W. pond turts (GT x RT, CT	e spawning habitat (2) (3 descoon m ther: Clear Over Color: Clear Cight Color: Clear Ci	at outlets (m): able locations ap cast Rain S Strong Stained able Cloudy by Method Trapped Hand Collect
Fairy Present in lake? Stream Collection made? Stream Start East UTM Conly: Amphibian observer(s): 02 Stream Start East UTM Conly: Amphibian/reptile species THEL Calling? Y N Coucher? Y N # Calling? Y N Calling? Y N	North UTM # adults 12 - Congress August Pool August Pool August	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults Hing Unifolm in almost on is silt m 29 @ 12 Pacific tree frog (HY restrial garter snal roat trout (CT), bro	Y N Other of Collection 1200 st UTM North # larvae 50 Apth Solution A Scatte And is Scatte and is Scatte (C) or F (RE) Yosemite toad (Re (THEL) common win trout (BN), brooken to the control of the common win trout (BN), brooken trout (B	Total survey durat (min) th UTM # egg masses # egg masses # AST Market Market	diseased/checked we water): [ATO] bullfrog (Fil) W. pond turts (GT x RT, CT	e spawning habitat (2) (3 descoon m ther: Clear Over Color: Clear Cight Color: Clear Ci	at outlets (m): able locations ap cast Rain S Strong Stained able Cloudy by Method Trapped Hand Collect
Fairy Present in lake? Stripp Collection made? Stream Start East UTM only: Amphibian observer(s): 02 Stream Start East UTM only: Amphibian/reptile species THEL Calling? Y W Calling? Y W Calling? Y N Coucher? Y N # Coucher? Y N # Cou	North UTM # adults 12 - Congress A last Poc - Pond is - Substrate - Emergent V e, 10cm deep): egged frog (RAMU) nake (THCO) W. tellen trout (GT), cutthing - Last Poly - Overa	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults Hing Unifolm in almost on is silt m 29 @ 12 Pacific tree frog (HY restrial garter snal roat trout (CT), bro	Y N Other of Collection 1200 st UTM North # larvae 50 Apth Solution A Scatte And is Scatte and is Scatte (C) or F (RE) Yosemite toad (Re (THEL) common win trout (BN), brooken to the control of the common win trout (BN), brooken trout (B	Total survey durat (min) th UTM # egg masses # egg masses # AST Market Market	diseased/checked we water): [ATO] bullfrog (Fil) W. pond turts (GT x RT, CT	e spawning habitat (2) (3 descoon m ther: Clear Over Color: Clear Cight Color: Clear Ci	at outlets (m): able locations ap cast Rain S Strong Stained able Cloudy by Method Trapped Hand Collect
Fairy Present in lake? Stripp Collection made? Amphibian observer(s): D2 Stream Start East UTM Only: Amphibian/reptile species THEL Calling? Y N Coucher? Y N #	North UTM # adults 12 - Congress A last Poc - Pond is - Substrate - Emergent V e, 10cm deep): egged frog (RAMU) nake (THCO) W. tellen trout (GT), cutthing - Last Poly - Overa	seociated pools? In made? Y Survey start time: End time (hhmm): End Ea # subadults Hing Unifolm in almost on is silt m 29 @ 12 Pacific tree frog (HY restrial garter snal roat trout (CT), bro	Y N Other of Collection 1200 st UTM North # larvae 50 Apth Solution A Scatte And is Scatte and is Scatte (C) or F (RE) Yosemite toad (Re (THEL) common win trout (BN), brooken to the control of the common win trout (BN), brooken trout (B	Total survey durat (min) th UTM # egg masses # egg masses # AST Market Market	diseased/checked we water): [ATO] bullfrog (Fil) W. pond turts (GT x RT, CT	e spawning habitat (2) (3 descoon m ther: Clear Over Color: Clear Cight Color: Clear Ci	at outlets (m): about the continue of the locations approximately appro

440 T/L Subsite E 8/29/11 40 m Willow 110m 86 well Ponded area ~8cm

Site ID: Bubont F Date: SIZ : 111		Water type: Lake Umapped pond	HareM (meerly) bu	Ch Spring coon	Monapaia	
1/1 Ohh			4	5 I	Lacillia	Conemeral
1		II not sampled, reason: stream widening		frozen, dry, or not found part	part of another water body	
- ake Name:	Planning Watershed:	shed:	Location (use common language)	mon language)		
(from map)	(from "Lakes Checklist")	necklist")	Tri butar a	Chater as Como Herry West	w west	
	Elevation:	East UTM:		North UTM:		
13560	E # 1000)	(only for lakes w/o a site ID; obtain from GPS unit)	site ID; obtain fron	GPS unit)	
Topographic Map (7.5'): W	es.	Overcast Wind: Calm Light Strong pH:	,	Max. Jake depth	Team members:	
Echo Lakich	Rain Snow	**************************************	rce:		下5,08	
Amphibian observer(s):	DE.	Survey start time: 0 5	Total survey duration:		Weather. Clear Overcast Ra	Rain Snow
_		End time (hhmm): 11 1 5	(min) 55 min		۱Ĕ	1
Siream Start East UTM	North UTM	End East UTM		Stream order:		Stained
only.	10 C C C C C C C C C C C C C C C C C C C	75.556	しってきいきら		-	Cloudy
Amphibian/reptile species	#adults #s	#subadults #larvae	# egg masses	Comments	Survey Method	
;	No	No amphilians No court			Visual Trapped	50
> .)			Aural Hand	Hand Collected
Voucher? Y N #	0//	No tish observed.			Dip Net/Seine	
;	105 -	Survey started at foot bridge	boot bridge	and	Visual Trapped	D
Z	7000	La L	1 / h . o . o .	0 80 0	Aural Hand	Hand Collected
Voucher? Y N #	ノのスクリボ	ED WILL DIAIDE	Crano	רא "יינ	Dip Net/Seine	
2	70 RO	The total			Visual Trapped	9
z ;	{		-		Aural Hand	Hand Collected
Voucher? Y N #	~ /T50	Abundant overhanging a der & will ow.	o a der 4 w	low.	Dip Net/Seine	
;		*			Visual Trapped	P
Z					Aural Hand	Hand Collected
Voucher? Y N #					Dip Net/Seine	
		,			Visual Trapped	þ
Calling? Y N					Aural Hand	Hand Collected
Voucher? Y N #	\dashv				Dip Net/Seine	
Water Femp. (.5m from shore, 10cm deep):	, 10cm deep): 🧠 🕒	@ (C)or F	Air Temp. (1m above water):		20.0 @	CAFF
amphibiane. Cierra Moyodo yollow loaged	House located from 10 A CL				ł	

amphiblans: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newt (TATO), bullfrog (LICA), long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow frout (RT), golden trout (GT), cutthroat trout (CT), brown frout (BN), brook trout (BK), hybrids (GT x RT, CT x RT) $\frac{1}{2} + \frac{1}{2} +$

91-99

Field Review: 938

March Spring coon Octobrily Entrange
Ching acch.
stream widening frozen, dry, or not found part of another water body
Location (use common language) Southern and eastern
shore lines of silver Lake
TA:
(only for lakes w/o a site ID; obtain from GPS unit)
Max. lake depth Team members:
(m): DB,EK
Total survey duration: Weather: 國面 Overcast Rain Snow
Wind: Calm Light Strong
Cle
Turbidity: Clear Cloudy
륳
Misual Trapped
Aural Hand Collected
Dip Net/Seine
Visual Trapped
Aural Hand Collected
Dip Net/Seine
Visual Trapped
Aural Hand Collected
Dip Net/Seine
Visual Trapped
Aural Hand Collected
Dip Net/Seine
Visual Trapped
Aural Hand Collected
Dip Net/Seine
Air Temp. (1m above water): 2_0 @ 0950 (C) or F
orth UT ite ID; of tream of tream of water)

amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newt (TATO), builfrog (LICA), long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) End 1230 C fish: rainbow frout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 879 +880 - West + North @ Stort; 898 - end

Field Review: 828

Site In:	Date: 6/01/1.						
	11/1-7/2	valet type.	Lake Unmapped pond	nd (Stream) Marsh	rsh Spring seep,	(Perennial)	Ephemerai
	dd-yy)	If not sampled, reason:		stream widening frozen, dry, or not found		part of another water body	
Lake Name: Camp Silverado	reado Plannin	ng Watershed:		Location (use common language)	mon language)		
(from map) (rec 大	" mori)	"Lakes Checklist")		Camp Silvera	Lamp Silverado near Kit Carson	+ Carson Resort	ţ
County:	Elevation:		TM:	-	North UTM:		
Amador	m (ft)7335-	7572)	(only for lakes w/o a site ID; obtain from GPS unit)	site ID; obtain fror	n GPS unit)	
Topographic Map (7.5'):	Weather: Cleap		Overcast Wind: Calm Light Strong pH:	pH:	Max Jake depth	Team members.	
Caples Lakich	Rain	Snow		source:	(m):	08,EK	
Amphibian observer(s): DB, EK	18, EK	Survey start time: (30 S	8: (305	Total survey duration:		ercast	Rain Snow
		End time (hhmm): 1425	1): 1425	(min) 70 min	Wind:	Calm (Light) Strong	
Stream Start East UTM	6	W.		North UTM	tream order:	Clear	Stained
only: 10 > 0 +54430	50 42831	99	10 > 0752242 · 4	4283009		Turbidity: (lear) Cl	Cloudy
Amphibian/reptile species	# adults	# subadults	# larvae	# egg masses	Comments	Survey Method	
THEL 3		7				Visual Trapped	þé
Calling? Y							Hand Collected
Voucher? Y ₩ #						Dip Net/Seine	
	In Asia	observed				Visual Trapped	Pe
z	- Flow: 22-3 Lfs	2-3 cts				Aural Hand	Hand Collected
Voucher? Y N #						Dip Net/Seine	
	1 much of	14. A	was deminated by fallen woody debits	allen woody	debus	Visual Trapped	þe
Z	and crodelyle	2/2/0	Abundant god	ment deposite	200		Hand Collected
Voucher? Y N #	SPIING FUN	3			1000	Dip Net/Seine	
;	- Several	co scordes				Visual Trapped	be
Z :	V	ips shaded	was shaded at midday,			Aural Hand	Hand Collected
Voucher? Y N #						Dip Net/Seine	
:						Visual Trapped	. p.
Calling? Y N							Hand Collected
voucner? T #						Dip Net/Seine	1
Water Temp. (.5m from shore, 10cm deep):	ore, 10cm deep):	14.5	1300 (CArF	Air Temp. (1m above water):	ve water):	23.5@ 1300	CARF

amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newt (TATO), bullfrog (LICA), long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 897- @ Lonthonce facino la le (DC) 898-@ Confluerce facino U/s 918-@ End 100 King U/s 919-@ end 100 King U/s

Field Review: Se

Caples Lalle JFrom Dam to Emigrant Creek Site in.

SNYLF Amphibian Data Sheet - 2009

Site ID: Date: 8/23/11	123/11	Water type: (La	Lake Unmapped pond	Stream	Marsh Spring seen	Parennia	Enhameral	
895 LP (mmm-dd-yy)	(d-yy)	If not sampled, reason:		na frozen		of an	Pode -	
Lake Name: Caples Lake	Г	Planning Watershed		l ocation (lies oc		וו טו מווטנוופו שמונו	hoad	
(from map)		(from "Lakes Checklist")		Souther Shorting	More line of	Capler Lake	Ke	
County:	Elevation:	East	UTM:		Narth UTM:			
# DINE CO.	m(f) +817			only for lakes w/o	(only for lakes w/o a site ID; obtain from GPS unit)	m GPS unit)		
Topographic Map (7.5'):	Weather: Clear) Overcast Wind:	Overcast Wind:	Calm (Light) Strong pH:	H.	Max. lake depth	Team members:		
Caples Lake, CA	Rain S	Snow		source:	(m):	ES, DB		
Amphibian observer(s):		Survey start time: 09(5)	e. 0915	Total survey duration:	Г	Weather: Clear Overcast	st Rain Snow	
Ξľ		ind time (hhm	n): [[55	(min) (40 min)		Calm (Light) Strong	Buc	
Stream Start East UTM only: 7CC249	M North UTM 49 97-977	End	East UTM No	North UTM なの タC 象なや	Stream order:	Color: Clear	tained	+ Moute due
<u>a</u>	**	subadults	arvae	# egg masses	Comments	Survey Method	Mono	to wave action
	No ambib	No amphilian cheer	700			Visual	Trapped	-10v6 12-11
Calling? Y N			· (,		Auras	Hand Collected	
Voucher? Y N #	structure wave ac	have act	tion first mile of	e of survey.	ex.	Dip Net/Seine		
1年12年12年12年12年12年12年12年12年12年12年12年12年12			•			Visual	Trapped	
					_	Aural	Hand Collected	
Voucher? Y (N /#			- 1			Dip Net/Seine		
;	Lake leve		A from Maximum.	-XIMOW.		Visual	Trapped	
z :	Syall fish	-	observed.			Aura	Hand Collected	
Voucher? Y N #	ADWAGGA	4	(Signer Crays	35		Dip Net/Seine		
	•					Visual	Trapped	
Z				•		Aural	Hand Collected	
Voucher? Y N #						Dip Net/Seine		
; ;						Visual	Trapped	
Calling? Y N Y						Aural	Hand Collected	
Moter Temp / 5m from chy	**** 400m doon):					t/Seine		
	.om nom snore, lucm deep).	ල අ	0410 Gort	Air I emp. (1m above water):	ove water):	77 @ 00	0910 OorF	

reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) EAL Air :21 °C fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT) amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newt (TATO), builfrog (LICA), long-toed salamander (AMMA) Photos: 840+41 @ start; 849 - end

Lak Temp at Emigrant creck:90

Field Review: 38

The second secon

Caples Lake Shoreline from SNYLF Amphibian Data Sheet - 2009

Site ID: Date: 2/2.2/11	Water to	Water type: (ake) I have been appropriately	Acres March	ł.	(100
0 - P (mmm)	4	-		ari opiliig seep	Cerennial Epnemeral
Г	If not sar	ed, reason:	ening frozen, dry,	or not found par	stream widening frozen, dry, or not found part of another water body
Caples Lake	Planning Watershed:	ed:	Location (use common language)	mon language)	
(from map)	(from "Lakes Checklist")	oklist")	Laoles L	Lake Shoreling	o i io
County: Elevation:	7.00	East UTM:		North UTM:	
Apine Co. m. (1)	7870	3)	(only for lakes w/o a site ID; obtain from GPS unit)	site ID; obtain fron	1 GPS unit)
Topographic Map (7.5'): Weather: Clear		Overcast Wind: Calm Light Strong pH:	띪	Max. lake depth	Team members:
Caples Lak, LA Rain)	ice:		ES,08
Amphibian observer(s): ES,DB	Survey s	Survey start time: 14 00	Total survey duration:	on: Weather: (
	\neg	End time (hhmm): \SS S	(min) 85 min	Wind:	Calm (Light) Strong
Stream Start East UTM North UT	≥			Stream order:	H
	8 282 +	1 +2+786 Y	4287874 1287		Turbidity: Clear Cloudy
Amphibian/reptile species # adults		# subadults # larvae	# egg masses	Comments	Survey Method
1.4年に					Visual Trapped
Calling?					Aural Hand Collected
Voucher? Y //#					Dip Net/Seine
Northern Alligator					Visual Trapped
\ J					Aural Hand Collected
Voucher? Y ,N)#					Dip Net/Seine
1	Shibians	No amphibians obsorbed.			Visual Trapped
					Aural Hand Collected
Voucher? Y N # - 5everal	large + rout	+ cont		i	Dip Net/Seine
Abundant		Small fish in shallows.	ows.		Visual Trapped
z : > :		-	٥		Aural Hand Collected
Voucher? Y N # - + (V & Ye) 16	leuch is	and is approximately 25cm from	Sch from	max.	Dip Net/Seine
>		crayfish Cercasses,			Visual Trapped
1					Aural Hand Collected
voucner(Y N #					Dip Net/Seine
Water Lemp. (.5m from shore, 10cm deep):	(d):	@ 14100 (C) or F	Air Temp. (1m above water):	ve water):	18 @ (400 CorF

reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) ε_{nA} Air: 18°C. fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT) amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newt (TATO), builfrog (LICA), long-toed salamander (AMMA)

Photos: 864-874

Field Review: 28

550 LF		7.3					
Site ID: Date: 1	/31/11	Water type: _ak	Unmapped po	nd Stream Man	sh Spring seep	. Rerennial	Ephemeral
Aloka (mmm-	d-yy)	If not sampled, rea	ason: stream wid	lening frozen, dry,	or not found part	of another water bo	odv
Lake Name:	Planning	Watershed:		Location (use con			
(from map) Aloha L	/ I I I I I I I I I I I I I I I I I I I					11 . 1	1
	(from "La	akes Checklist")		Lake A	Oha Sou	their Sh	
County:	Elevation:	East UT	M: -140	•	North UTM: 2	4304826	2
El Dorado	me 2475		<i>#47725</i> 5	(only for lakes w/o	a site ID: obtain fro	m GPS unit)	
Topographic Map (7.5'):		Overcost Mind: C	colon Mahel Chrone	pH: 6.6	May Jaka danth	IT	
	TVESILIEI CIEAL		amerigne suong	,	middle depart		
Paramid feak	Rain S	now		source: HHUT	(m): 50 ?	DB IES	
Person recording habitat in	formation: 6 5		Substr	ate transects with aq	uatic vegetation:		
Littoral zone substrate com	position (3m ~50 to	tal):					
		•	20.0	4 0.4	050	. 550	
Silt	< 2 mm	2-32 mm _	32-64	+ mm64	-256 mm	> 256 mm	bedrock
Shoreline terrestrial substra		-					
Silt-64 mm	>64 -25 6	mm	_ > 256 mm	grass/sedg	e/forb	woody debris	brush
Width (cm) and depth (cm)						epth (cm) of outlets	(width/denth):
(1)/ (2)/		•	/ /6\ /	no inloto	1		
	(3)	<u>/</u>	_/(6)/	no inlets		(3)	/ none
Fish present in inlets?					Fish present in ou		
(1) Y N ? (2) Y N	? (3) Y N ?	(4) Y N ? (5)	Y N ? (6)	Y N ?	(1) Y N ? (2	Y N ? (3)	Y N ?
Distance to first barrier on i						arrier on outlets (m	
	(3)	(A)	(5)	(6)	1	•	•
				. (9)	, , 		3)
Desc in on of fish barriers	` •				,	barriers on outlets	i.
(1) (2)	(3)	(4)	(5)	(6)	(1)(3)
UTM coordinates for fish ba	rriers on inlets:				UTM coordinates	for fish barriers on	outlets:
(1) (2)	(3)	(4)	(5)	_ (6)\	(1)(
Phato number(s) for fish ba			/	1-/		or fish barriers on o	
				1	\I	or tish barners on o	outlets:
(1)(2)	(3)	(4)	(5)	(6)	h		3)
c' suitable spawning h	abitat on inlets (nf):				Area of suitable sp	pawning habitat in d	outlets (㎡):
(2)	(3)	(4)	(5)	(6)	$l\phi_0 = c$	2) (;	3)
ot spawning in inle			1 /		Evidence of spawn		/
W. A. T. C.		(4) Commission Sale	Dadda F	\$1	I	-	
19 Spawning fish Redds		(4) Spawning fish	-	None	(1) Spawning fish		None
2 Redds	Fry None	(5) Spawning fish	Redds Fry	None	(2) Spawning fish	Redds Fry	None
Redds	Fry None	(6) Spawning fish	Redds Fry	None	(3) Spawning fish	Redds Fry	None
A least splitting has a wining ha		•			Area of in-lake sp	awning habitat at o	utlets (m²):
121	(3)	(4) (5)	(6)		(1) (2)	(3)	
(2)	(3)	(4)(5)_	(6)		(1)(2))(3)	
- St.				ocations 2 7 4 72			locations
Present in lake?	Y (N) In lake-a	ssociated pools?	N Other	locations? 74 72	14 x43051	8 describe	e locations
- St.	Y (N) In lake-a		N Other	locations? 74 72	14 x43051	8 describe	e locations Nincent Pool
Present in take?	Y (N) In lake-a	rssociated pools?	N Other Collec	tion made? Y	14 x43051	8 describe	Adjacent Pool
Present in take? Collection made? Amphibian observer(s):	Y (N) In lake-a	ssociated pools? on made? Y N	N Other Collect	Total survey durate	14 ×43051	8 describe on map	Adjacent Pool st Rain Snow
Present in take? Imp Collection made? Amphibian observer(s): DB vES	Y (N) In lake-a	essociated pools? on made? Y N Survey start time: End time (hhmm):	0 N Other Collect	Total survey durati (min) 4 h = 55	14 x43051	describe on map Clear Overcas Calm Light St	Nincent Pool st Rain Snow rong
Amphibian observer(s): DB ES Stream Start East UTIV	Y (N) In lake-a Y (N) Collectio	ssociated pools? on made? Y N Survey start time: End time (hhmm):	Other Collect	Total survey durati (min) 4 h = 55	14 x43051	describe on map Clear Overcas Calm Light St Color: Etgar	Adjacent Poel st Rain Snow rong Stained
Amphibian observer(s): DB ES Stream Start East UTM 21/19 20 S	Y (N) In lake-a Y (N) Collection North UTM 43048	ssociated pools? on made? Y N Survey start time: End time (hhmm): End Eas	Other Collect	Total survey durati (min) 4 h = 55	ion: Weather Wind: Stream order:	describe on map Clear Overcas Calm Light St	Adjacent Poel st Rain Snow rong Stained
Amphibian observer(s): DB ES Stream Start East UTIV	Y (N) In lake-a Y (N) Collectio	ssociated pools? on made? Y N Survey start time: End time (hhmm):	Other Collect	Total survey durati (min) 4 h = 55	14 x43051	describe on map Clear Overcas Calm Light St Color: Etgar	Rain Snow rong Stained Cloudy
Amphibian observer(s): DB ES Stream Start East UTM TH972 S Amphibian/reotive species	Y (N) In lake-a Y (N) Collection North UTM 43048	ssociated pools? on made? Y N Survey start time: End time (hhmm): End Eas 2-0 741 #subadults 1 749953	Other Collect 1215 1715 1715 1718 141719	Total survey durati (min) 4 h 55 orth UTM 304808 #egg masses	ion: Weather Wind: Stream order:	describe on map Clear Overcas Calm Light St Color: Car Turbidity: Oran Survey	Stained Cloudy Method
Amphibian observer(s): DB ES Stream Start East UTM TH972 S Amphibian/reotive species	North UTM 43048	ssociated pools? on made? Y N Survey start time: End time (hhmm): End Eas 2-0 741 #subadults 1 749953	N Other Collect 1215 1715 st UTM No. 7636	Total survey durate (min) 4 h = 55 orth UTM 30 4868 #egg masses 4 747683	ion: . Weather Wind: Stream order: diseased/checked	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Clear Survey I	Stained Cloudy Method Trapped
Amphibian observer(s): DB ES Stream Start East UTM TH9725 Amphibian/reotive species	North UTM 43048	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 748953 X 4304933	N Other Collect 1215 1715 1715 1410 #larvae 1748803	Total survey durate (min) 4h 55 orth UTM 304808 #egg masses / 747683 ×4304920	ion: . Weather Wind: Stream order: diseased/checked	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Oear Survey I	Stained Cloudy Method
Present in lake? Imp Collection made? Amphibian observer(s): DB ES Stream Start East UTIV THY 22 S Amphibian/reotic species	North UTM 43048 Water Adults North UTM 43048	ssociated pools? on made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 748953 x 4304993	Other Collect 12.15 17.15 17.15 17.15 17.18 17.1	Total survey durate (min) 4 h 55 orth UTM 30 48 08 #egg masses 747683	ion: . Weather Wind: Stream order: diseased/checked	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Clear Survey I Visual Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected
Present in lake? Imp Collection made? Amphibian observer(s): DB ES Stream Start East UTN THY TO S Amphibian/reotive species R MM ALE P R B R M Sub	North UTM 43048 Haduts 1749141	ssociated pools? on made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 748953 x 4304933 55, B 1 749134	Other Collect 1215 1715 1715 1715 1417 1748802 1748802 1748802 130535	Total survey durati (min) 4h 55 orth UTM 30 4808 #egg masses 2 / 747683 ×4304920 55 &	ion: . Weather Wind: Stream order: diseased/checked	describe on map Clear Overcas Calm Light St Color: Fear Turbidity: Offar Survey I Visual Aural Dip Net/Seine	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected
Present in lake? Imp Collection made? Amphibian observer(s): DB ES Stream Start East UTIV TH9 22 S Amphibian/reotic species	North UTM 43048 Hadule 4 194820 1 749141	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 74993 x 430493 x 4304959 x 4304959	0 N Other Collect 1215 1715 st UTM No. 4636 4 #larvae 430535 1748802 430535 57 9 1 24910 4 24504910	Total survey durate (min) 4h 55 orth UTM 30 48 08 #egg masses 747683	ion: Weather Wind: Stream order: diseased/checked	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Olear Survey I Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected
Present in take? Imp Collection made? Amphibian observer(s): DB ES Stream Start East UTM TH9 22 S Amphibian/reotic species CAMPAN ALE Version Y B #	North UTM 43048 Haduts 1749141	ssociated pools? In made? Y N Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 748953 x 430493 55, ft 1 74934 x 4304959 43, u.K	0 N Other Collect 1215 1715 1715 14100 # Harvae 1 748803 430535 57 9 1 749108 x4304910 45, 44	Total survey durate (min) 4h 55 orth UTM 30 48 08 #egg masses 747683	ion:	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Clear Survey I Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected
Present in lake? Imp Collection made? Amphibian observer(s): DB ES Stream Start East UTIV THY 22 S Amphibian/reotic species CHANA TAD	North UTM 43048 Hadule 4 194820 1 749141	ssociated pools? In made? Y N Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 748953 x 430493 55, ft 1 74934 x 4304959 43, u.K 1 34893	0 N Other Collect 1215 1715 31 UTM No. 7636 4 Harvae 1 748803 430535 57- 9 1 74910-8 x4504810 45, Ak 1 748776	Total survey durate (min) 4h 55 orth UTM 30 48 08 #egg masses 747683	ion: Weather Wind: Stream order: diseased/checked	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Olear Survey I Visual Aural Dip Net/Seine	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected
Present in take? Imp Collection made? Amphibian observer(s): DB ES Stream Start East UTM TH9 22 S Amphibian/reotic species CAMPAN ALE Version Y B #	North UTM 43048 Hadults 1749141 135 ma, 4144 1348723	ssociated pools? In made? Y N Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 748953 x 430493 55, ft 1 74934 x 4304959 43, u.K 1 34893	Other Collect 1215 1715 1715 1410 # Harvae 1748803 430535 57 9 174800 45, UK	Total survey durate (min) 4h 55 orth UTM 30 48 08 #egg masses 747683	ion: Weather Wind: Stream order: diseased/checked	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Clear Survey I Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected
Amphibian observer(s): DB ES Stream Start East UTN THY 22 S Amphibian/reotic species CAMPAN TAB Calling? Y (R)	North UTM 43048 Hadults North UTM 43048 Hadults 174944 17467 35 May 444 K 174973	ssociated pools? In made? Y N Survey start time: End time (hhmm): End Eas 20 747 #subadults / 748953 X 4304987 43, uk / 54893 X 430497	N Other Collect 1215 1715 1715 1410 # Harvae 1 748803 430535 57 9 1 24910 45, 4k 1 74876 × 4305238	Total survey durate (min) 4h 55 orth UTM 30 48 08 #egg masses 747683	ion:	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Olear Survey I Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Aural Aural Aural Aural Aural Aural Aural	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected
Amphibian observer(s): DB ES Stream Start East UTN THY 22 S Amphibian/reotic species Chart 10 # Calling? Y N Voucher? Y N #	North UTM 43048 What Hadults North UTM 43048 What Hadults North UTM 43048 North UTM 43	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 748953 X 4304973 X 4304859 43, u.K 1 34893 X 4304677 60 mm	Other Collect 1215 1715 1715 1410 # Harvae 1748803 430535 57 9 174800 45, UK	Total survey durate (min) 4h 55 orth UTM 30 48 08 #egg masses 747683	ion: . Weather . Wind: Stream order: diseased/checked	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Clear Survey I Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected
Amphibian observer(s): DB ES Stream Start East UTN THY TO BE Amphibian/reotic species Chart The Calling? Y D Voucher? Y D # PAM 4 5-5	North UTM 43048 Hadults North UTM 43048 Hadults 1749141 1767 35 May 1441 174973	ssociated pools? In made? Y N Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 74863 x 430493 x 4304959 43, uk 1 34893 x 4304697 60 mm 1 748606	N Other Collect 1215 1715 1715 1410 # Harvae 1 748803 430535 57 9 1 24910 45, 4k 1 74876 × 4305238	Total survey durate (min) 4h 55 orth UTM 30 48 08 #egg masses 747683	ion: . Weather . Wind: Stream order: diseased/checked	describe on map Clear Overcas Calm Light St Color: Fear Turbidity: Ofear Survey I Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected
Amphibian observer(s): DB ES Stream Start East UTN THY TO BE Amphibian/rective species Amphibian/rective species Calling? Y N Voucher? Y N # PAM 4 5 5 Calling? Y N Calling? Y N	North UTM 43048 Haduts 1749141 17491	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults / 748/53 x 4304987 43, uk / 54893 x 4304997 60 mm / 748/606 x 4305201	N Other Collect 1215 1715 1715 1410 # Harvae 1 748803 430535 57 9 1 24910 45, 4k 1 74876 × 4305238	Total survey durate (min) 4h 55 orth UTM 30 48 08 #egg masses 747683	ion: . Weather . Wind: Stream order: diseased/checked	describe on map Clear Overcas Calm Light St Color: Fear Turbidity: Ofear Survey I Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Aural Aural Aural Aural Aural Aural Aural Aural	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected
Amphibian observer(s): DB ES Stream Start East UTN TH972 S Amphibian/rective species Calling? Y N Voucher? Y N # Calling? Y N Voucher? Y N # Calling? Y N Voucher? Y N # PAM 4 5 5 Calling? Y N Voucher? Y N #	North UTM 43048 What Hadults North UTM 43048 What Hadults North UTM 43048 North UTM 43	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 74863 × 430487 43, uk 1 34863 × 430487 60 mm 1 748666 × 4305201 40, uk	N Other Collect 1215 1715 1715 1410 # Harvae 1 748803 430535 57 9 1 24910 45, 4k 1 74876 × 4305238	Total survey durate (min) 4h 55 orth UTM 30 48 08 #egg masses 747683	ion: . Weather . Wind: Stream order: diseased/checked	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Ofear Survey I Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected
Present in lake? Imp Collection made? Amphibian observer(s): DB ES Stream Start East UTIV TH9725 Amphibian/rective species Amphibian/rective species Chan to be a second of the	North UTM 43048 Who Collection North UTM 44048 Who Collection	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults / 748/53 x 4304987 43, uk / 348/98 / 448/66 x 4305201 40, uk / 748/66 1 748/66 x 4305201	N Other Collect 1215 1715 1715 1410 # Harvae 1 748803 430535 57 9 1 24910 45, 4k 1 74876 × 4305238	Total survey durate (min) 4h 55 orth UTM 30 48 08 #egg masses 747683	ion: . Weather . Wind: Stream order: diseased/checked	describe on map Clear Overcas Calm Light St Color: Fear Turbidity: Ofear Survey I Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Aural Aural Aural Aural Aural Aural Aural Aural	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected
Amphibian observer(s): DB ES Stream Start East UTN Amphibian/rective species Amphibian/rective species Amphibian/rective species Amphibian/rective species Calling? Y N Voucher? Y N # PAM 4 5 5 Calling? Y N	North UTM 43048 Who Collection North UTM 44048 Who Collection	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults / 748/53 x 4304987 43, uk / 348/98 / 448/66 x 4305201 40, uk / 748/66 1 748/66 x 4305201	N Other Collect 1215 1715 1715 1410 # Harvae 1 748803 430535 57 9 1 24910 45, 4k 1 74876 × 4305238	Total survey durate (min) 4h 55 orth UTM 30 48 08 #egg masses 747683	ion: . Weather . Wind: Stream order: diseased/checked	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Ofear Survey I Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected
Present in lake? Imp Collection made? Amphibian observer(s): DB ES Stream Start East UTIV TH9725 Amphibian/rective species Amphibian/rective species Chan to be a second of the	North UTM 43048 What Hadults North UTM 43048 What Hadults North UTM 43048 North UTM 43	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 74863 × 430487 43, uk 1 34863 × 430487 60 mm 1 748666 × 4305201 40, uk	N Other Collect 1215 1715 1715 1410 # Harvae 1 748803 430535 57 9 1 24910 45, 4k 1 74876 × 4305238	Total survey durate (min) 4h 55 orth UTM 30 48 08 #egg masses 747683	ion: . Weather . Wind: Stream order: diseased/checked	describe on map Clear Overcas Calm Light St Color: Fear Turbidity: Ofear Survey I Visual Aural Dip Net/Seine	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Trapped Trapped Trapped Trapped Trapped Trapped Trapped
Amphibian observer(s): DB ES Stream Start East UTN Amphibian/rective species Amphibian/rective species Amphibian/rective species Amphibian/rective species Calling? Y N Voucher? Y N # PAM 4 5 5 Calling? Y N	North UTM 43048 Who Collection North UTM 43048	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 748933 x 4304859 43, uk 1 348933 x 4304877 60 mm 1 748606 x 4305201 40, uk 1 74873 4305221	Other Collect 1215 1715 1715 1410 # Harvae 1748803 430535 57 9 174810 45, UK 1748776 ×4305238 65mm	Total survey durati (min) 4h 55 orth UTM 30 4808 #egg masses 7 47683 ×4304920 55 Q 1 747683 ×4304920 55 Q 1 748752 4305251 b5 mm	ion: Weather Wind: Stream order: diseased/checked 2 94895/	describe on map Clear Overcas Calm Light St Color: Fear Turbidity: Ofear Survey I Visual Aural Dip Net/Seine	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected
Amphibian observer(s): DB ES Stream Start East UTN THY TO S Amphibian/rective species Chank Thy Thy Calling? YN Voucher? YN PAMM TAD Calling? YN Calling? YN Voucher? YN PAMM TAD Calling? YN Voucher? YN Water Temp. (5m from shore)	North UTM 43048 Who Collection North UTM 13048 North UTM	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 74873 x 4304877 43, uk 1 34893 x 4304877 60 mm 1 748606 x 4305201 40, uk 1 74873 4305221	Other Collect 1215 1715 1715 1418 # Harvae 1748803 430535 57 9 1748008 1748776 1748776 1748776 1748776 1748776 1748776 1748776 1748776 1748776 1748776	Total survey durati (min) 4h 55 orth UTM 30 4808 #egg masses- 2 / 747683 ×4304920 55 Q 1 749006 x 4304964 45, u.K 5 748752- 4305251 b5 mu	ion: Weather Wind: Stream order: diseased/checked 2 94/895/	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Clear Survey I Visual Aural Dip Net/Seine	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected
Amphibian observer(s): DB ES Stream Start East UTN Amphibian/rective species	North UTM 43048 Who Collection	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults / 748/53 x 4304987 43, uk / 348/97 40 mm / 748/06 x 4305221 Pacific tree frog (HY)	Other Collect 1215 1715 1715 1415	Total survey durati (min) 4h 55 orth UTM 30 4808 #egg masses 7 47683 ×4304920 55 Q 1 747683 ×4304920 55 Q 1 748752 4305251 b5 mm	ion: Weather Wind: Stream order: diseased/checked 2 94/895/	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Ofear Survey I Visual Aural Dip Net/Seine	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected
Amphibian observer(s): DB ES Stream Start East UTN Amphibian/rective species Amphibian/rective species Amphibian/rective species Calling? Y N # PAM S D Calling? Y N # Water Temp. (5m from short amphibians: mountain yellow-reptiles: W. aquatic garter s	North UTM 43048 Who Collection	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults / 74863 x 4304877 43, uk / 34866 x 4305221 #305221 #305221 Pacific tree frog (HY restrial garter snales	Other Collect 1215 1715 1715 1415	Total survey durati (min) 4h 55 orth UTM 30 4808 #egg masses 7 47683 ×4304920 55 Q 1 747683 ×4304920 55 Q 1 748752 4305251 b5 mm	ion: Weather Wind: Stream order: diseased/checked 2 94/895/	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Ofear Survey I Visual Aural Dip Net/Seine	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected
Amphibian observer(s): DB ES Stream Start East UTN TH9725 Amphibian/reotive species Amphibian/reotive species Calling? Y N Voucher? Y N # PAMM TAD Calling? Y N Voucher? Y N # PAMM TAD Calling? Y N Water Temp. (5m from short amphibians: mountain yellow-reptiles: W. aquatic garter s fish: rainbow trout (RT), gold	North UTM 43048 Who Collection	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 74863 x 430487 43, uk 1 34863 x 430487 43, uk 1 34863 Y 4305201 40, uk 1 74863 Y 4305201 40, uk 1 74863 Y 4305201 40, uk 1 748636 x 4305201 40, uk	Other Collect 1215 1715 1715 1418 # Harvae 174880 430535 57 9 174876 x4305238 65 mm 5 Cor F RE) Yosemite toa se (THEL) common trout (BN), brown	Total survey durati (min) 4h 55 orth UTM 30 4808 #egg masses 7 47683 ×4304920 55 Q 1 747683 ×4304920 55 Q 1 748752 4305251 b5 mm	ion: Weather Wind: Stream order: diseased/checked 2 94/895/	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Ofear Survey I Visual Aural Dip Net/Seine	st Rain Snow rong Stained Cloudy Method Trapped Hand Collected
Amphibian observer(s): DB ES Stream Start East UTN Amphibian/rective species Amphibian/rective species Amphibian/rective species Calling? Y N # PAM S D Calling? Y N # Water Temp. (5m from short amphibians: mountain yellow-reptiles: W. aquatic garter s	North UTM 43048 Who Collection	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 74863 x 430487 43, uk 1 34863 x 430487 43, uk 1 34863 Y 4305201 40, uk 1 74863 Y 4305201 40, uk 1 74863 Y 4305201 40, uk 1 748636 x 4305201 40, uk	Other Collect 1215 1715 1715 1418 # Harvae 174880 430535 57 9 174876 x4305238 65 mm 5 Cor F RE) Yosemite toa se (THEL) common trout (BN), brown	Total survey durati (min) 4h 55 orth UTM 30 4808 #egg masses 7 47683 ×4304920 55 Q 1 747683 ×4304920 55 Q 1 748752 4305251 b5 mm	ion: Weather Wind: Stream order: diseased/checked 2 94/895/	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Ofear Survey I Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected S (Cor F ander (AMMA) Adult - 5
Amphibian observer(s): DB ES Stream Start East UTN TH9725 Amphibian/reotive species Amphibian/reotive species Calling? Y N Voucher? Y N # PAMM TAD Calling? Y N Voucher? Y N # PAMM TAD Calling? Y N Water Temp. (5m from short amphibians: mountain yellow-reptiles: W. aquatic garter s fish: rainbow trout (RT), gold	North UTM 43048 Who Collection	ssociated pools? In made? Y (N) Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 74863 x 430487 43, uk 1 34863 x 430487 43, uk 1 34863 Y 4305201 40, uk 1 74863 Y 4305201 40, uk 1 74863 Y 4305201 40, uk 1 748636 x 4305201 40, uk	Other Collect 1215 1715 1715 1418 # Harvae 174880 430535 57 9 174876 x4305238 65 mm 5 Cor F RE) Yosemite toa ce (THEL) common trout (BN), brown	Total survey durati (min) 4h 55 orth UTM 30 4808 #egg masses 7 47683 ×4304920 55 Q 1 747683 ×4304920 55 Q 1 748752 4305251 b5 mm	ion: Weather Wind: Stream order: diseased/checked 2 94/895/	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Ofear Survey I Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected
Amphibian observer(s): DB ES Stream Start East UTN TH9725 Amphibian/reotive species Amphibian/reotive species Calling? Y N Voucher? Y N # PAMM TAD Calling? Y N Voucher? Y N # PAMM TAD Calling? Y N Water Temp. (5m from short amphibians: mountain yellow-reptiles: W. aquatic garter s fish: rainbow trout (RT), gold	North UTM 43048 Who Collection North UTM 44048 Who Collection	Survey start time: End time (hhmm): End Eas 20 747 #subadults 1 748953 x 4304987 43, uk 1 348987 43, uk 1 348686 x 4305201 40, uk 1 748686 x 4305201 40, uk 1 74873 4305201 60 mm 1 748686 x 4305201 60 mm	Other Collect 1215 1715 1715 1418 # Harvae 174880 430535 57 9 174876 x4305238 65 mm 5 Cor F RE) Yosemite toa ce (THEL) common trout (BN), brown	Total survey durati (min) 4h 55 orth UTM 30 4808 #egg masses 7 47683 ×4304920 55 Q 1 747683 ×4304920 55 Q 1 748752 4305251 b5 mm	ion: Weather Wind: Stream order: diseased/checked 2 94895/	describe on map Clear Overcas Calm Light St Color: Gear Turbidity: Ofear Survey I Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected S (Cor F ander (AMMA) Adult - 5

Photos - Sneezy 4/9 besiming habitat, 420-425 miles @ begin

16.4 Tw

SSOLP

SNYLF Amphibian Data Sheet - 2009

Site ID: Date:	11/1/6	Water type: Lake	Water type: (Lake / Unmapped pond	nd Stream Marsh	rsh Spring seep.	Rerennial) Fohemeral
Lake Aloha (mmm-dd-yy)	td-yy)	If not sampled, rea	son: stream wide	If not sampled, reason: stream widening frozen, dry. or not found	1	of another water b	vhv
Lake Name: Calue 4/10	Klobe Planning	y Watershed:		Location (use common language)	1 9		-
(from map) South S	South shore (from "Lakes Checklist")	akes Checklist")		North want	Nothing of City Colle	3	
County:	Elevation: 8100	> East UTA	East UTM: 242633		North UTM: 4304 %	244/2	
El Derado	m (f)			(only for lakes w/o a site ID: obtain from GPS unit)	site ID: obtain fron	o GPS unit)	
Topographic Map (7.5'):	Weather: Clear	Overcast Wind Calm Light Strong pH:	alph Light Strong	품:	Max, lake depth	Team members:	
Browid Peak, CA	Rain S	Snow	ŕ	rce:	(m):	DA, ES	
Amphibian observer(s): 65, p8	2015	Survey start time:	0880	Total survey duration:	ion: Weather:	\ <u>Ö</u>	Rain Snow
- 1		End time (hhmm):	1145	(min) 24 / 02 min)	Wind:	Calm Light Str	1
Stream Start East UTM	M North UTM	M East UTM		North UTM	Stream order:	Clea	Stained
Olliy.						Turbidity: Clear	Cloudy
9	# adults	-111-	# larvae	# egg masses	Comments	Survey Method	thod
Calling X	8 V 0 0 4 V	3 44424 E					rapped
Volicher? V	* 17.7	1450577					Hand Collected
# 0 # W	MWCO CL	69				Dip Net/Seine	
CHAZ ACCIT	1 347803	1 747292	1 OPM &			T Gensily	Trapped
Calling? Y 🖎	x 4505004	. ,	X 4205220			Aural H	Hand Collected
≻I	55 mm ?	100	55 mm 2			Dip Net/Seine	
TANK SAVA	105474 1	Lestht /				T (Tensi)	Trapped
Valiabora × 1	x4305377	ğ					Hand Collected
vouciei: 1 (g #	, c	1,0%				Dip Net/Seine	
N / Codillact						Visual	Trapped
Z 2	36					Aural	Hand Collected
* N L S IS I						Dip Net/Seine	
Calling V						Visual	Trapped
							Hand Collected
Water Tomp / 5m from pho	40	- 6.				Dip Net/Seine	
water Lends (John Holli Shore, Tuchi deep);	ne, rucm deep):	15.5	Corr	Air Temp. (1m above water):	ve water): /2.	7.2 @	Agor F
amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newt (TATO), bullfrog (LICA), long-toed salamander (AMMA)	yellow-legged fro	g (RASI), Sierran	treefrog (PSSI),	CA newt (TATO),	bullfrog (LICA), k	ond-foed salamand	for (ANAMA)

July (FOSI), CATIENT (TALO), Builfog (LICA), long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

* Soveral different stages - 210 Whild lags-Also Flushed Telegons as I appreceded - Also Friigs in many in pand

Tad - 43 Jun - 2 Adult - 2

Dhuto stert 4.61 sneets, 19.2. Tank

More Data on back 1

water body water body water body formal Epher formal Stain Clear Clour Trapped Hand Co ne	550 LP	,	SNYLF A	mphibian Dat	SNYLF Amphibian Data Sheet - 2009			
Lake Mane: At 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Site ID: Lake Date: 1	11/10/bu	Water type: Lake	Unmapped pon	(Meerly)			Ephemeral
County: Elevation: County: Elevation: County: Elevation: County: Elevation: County: Elevation: County: Elevation: Stream Elevation: Elevation: Elevation: Elevation: Stream Elevation: Ele	b-mmm-d (mmm-d		If not sampled, reas		ning frozen, dry,	or not found par	t of another water	body
County 1	Lake Name: Attended		Watershed:		Location (use con	nmon language)		
Least UTM: 430 5 8 2 4 Topographic Map (7.5): Weather (Glega) Overcast Wind: Calm (変形) Strong pht:	ap)	(from "L;	akes Checklist")		Tributary To	Lake Aloha	Alona North	And Shouling
Team members: DB, ES er: Clear Overcast Rain Calm Cight Strong Color: Clear Stained Turbidity: Clear Cloudy Survey Method Aural Hand Colle Dip Net/Seine Trapped Aural Hand Colle Dip Net/Seine Trapped Aural Hand Colle Dip Net/Seine Hand Colle Visual Trapped Aural Hand Colle Dip Net/Seine Hand Colle Visual Hand Colle Visual Hand Colle Dip Net/Seine Hand Colle Dip Net/Seine Hand Colle Dip Net/Seine Hand Colle Dip Net/Seine	County:	Elevation:	1400 (4) 34636		nly for lakes w/o a	North UTM: 6	130 5829	
er. Clear Overcast Rain Calm Light Strong Color: Clear Stained Turbidity: Clear Cloudy Survey Method Visual Trapped Aural Hand Colle Dip Net/Seine Trapped Aural Hand Colle Visual Trapped Aural Hand Colle Dip Net/Seine Hand Colle Visual Trapped Aural Hand Colle Dip Net/Seine Hand Colle Dip Net/Seine Hand Colle Oip Net/Seine	Topographic Map (7.5'):	Weather: Clear	Overcast Wind: Cal	Im Kright) Strong	pH:	Max. lake depth	Team members:	
er. Clear Overcast Rain Calm (Light) Strong Color: Clear Stained Turbidity: Clear Cloudy Survey Method Aural Hand Colle Dip Net/Seine Trapped Aural Hand Colle Dip Net/Seine Trapped Aural Hand Colle Dip Net/Seine Hand Colle Visual Trapped Aural Hand Colle Dip Net/Seine Hand Colle Visual Trapped Aural Hand Colle Oip Net/Seine Hand Colle Oip Net/Seine Hand Colle Oip Net/Seine Visual Hand Colle Oip Net/Seine	Pyramid Peak	Rain S	mow)	source:	(m):	DB. ES	
Calm (Light) Strong Color: Cieat Stained Turbidity: Clear Cloudy Survey Method Aural Hand Colle Dip Net/Seine Trapped Aural Hand Colle Dip Net/Seine Trapped Aural Hand Colle Dip Net/Seine Hand Colle Visual Trapped Aural Hand Colle Visual Trapped Aural Hand Colle Visual Hand Colle Visual Hand Colle Oip Net/Seine	Amphibian observer(s):	5,06	Survey start time: \	2.15	Total survey durat		: Clear) Overca	Rain
Color: Clear Survey M Survey M Visual Aural Dip Net/Seine	Č	-	End time (hhmm): 1	>	000 (min)	Wind:	Calm (Light) S	bud
Turbidity: Clear Survey M Survey M Aural Dip Net/Seine Visual Aural Dip Net/Seine	Start East UTIV		✓ End East		rth UTM	Stream order:	\\\B\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Survey M Aural Dip Net/Seine Visual Aural Dip Net/Seine	Series 7 16561	200 h	141		365479		Turbidity: Clear	
Aural Dip Net/Seine Visual Aural Dip Net/Seine	Amphibian/reptile species	# adults	# subadults	# larvae	# egg masses	Comments	Survey A	Aethod
Aural Dip Net/Seine Aural Dip Net/Seine Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	This was	h089ht 1	0 bz 9/ht 1	1 246325	5989/16 2	3 746348	h	Trapped
Dip Net/Seine Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	Calling: Y	X4305552	×4305454	X43054X	bass 08 b x	X 4305503	Aural	Hand Collected
Visual Oip Net/Seine	Voucher? Y (1) #	40 2	40 %	100	40	35	Dip Net/Seine	
Aural Dip Net/Seine Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Oip Net/Seine Oip Net/Seine	Krown Fault	HE29ht 1	1 24(257	h9291H 1	1+2 9ht 1	£289/t 9	Visual	Trapped
Dip Net/Seine Aural Hand Co Dip Net/Seine Visual Hand Co Dip Net/Seine Visual Hand Co Dip Net/Seine Visual Trapped Aural Hand Co Dip Net/Seine Oip Net/Seine		appeasux.	1	96h508h x	x 4302457	X4305471	Aural	Hand Collected
Aural Trapped Aural Hand Co Dip Net/Seine Trapped Aural Hand Co Dip Net/Seine Trapped Aural Trapped Aural Hand Co Dip Net/Seine Hand Co	\neg	2, 3	S	50	502.	50 ish	Dip Net/Seine	
Aural Hand Co Dip Net/Seine Trapped Aural Hand Co Dip Net/Seine Trapped Aural Trapped Aural Hand Co Dip Net/Seine Hand Co	CAMA HALLES	th89/t b	_		8h89/14 2		Visual	Trapped
Dip Net/Seine Visual Trapped Aural Hand Co Dip Net/Seine Trapped Aural Hand Co Dip Net/Seine	∂ (× 450545	-1000	× 250550	x 4505503		Aural	Hand Collected
Visual Trapped Aural Hand Co Dip Net/Seine Visual Trapped Aural Hand Co Dip Net/Seine	2	45-5h		,05	BASS		Dip Net/Seine	
Aural Hand Co Dip Net/Seine Trapped Aural Hand Co Dip Net/Seine	>						Visual	Trapped
Dip Net/Seine Visual Trapped Aural Hand Co Dip Net/Seine							Aural	Hand Collected
Visual Trapped Aural Hand Co Dip Net/Seine	- 1						Dip Net/Seine	
Aural Hand Co Dip Net/Seine	>						Visual	Trapped
Dip Net/Seine	Voucher? Y N #						Aural	Hand Collected
0 1215	Water Temp (fm from cho	40 mm d-11.	_				Dip Net/Seine	W
	water remp. Com nom sno	re, Tucm deep):	ス (® 12	(S CorF	Air Temp. (1m abc	we water): 19	<u>@</u>	SCorF

il

amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newt (TATO), bullfrog (LICA), long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSt) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: (Sneczy)

Survenelt		SNYLF Amphibian Data Sheet - 2009	Data Sheet - 2009		
6		Water type: Lake Unnapped pond Stream	Marsh	Spring seep, Perennial Eph	Ephemeral
SSOLP (mmm-dd-yy		If not sampled, reason: stream v	widening frozen, dry, or not	stream widening frozen, dry, or not found part of another water body	
Lake Name: Late Aloba trib, Planning Watershed:	- trib, Planning		Location (use common language)	anguage) Sum must	
(from map) ~	(from "La	(from "Lakes Checklist")	Pond located = 1200	VI	-1/2
County:	Elevation:	East UTM:	North	1054Za	
El Donado	m (#)~8375	0746376	(only for lakes w/o a site ID; obtain from GPS unit)	; obtain from GPS unit)	
Topographic Map (7.5'):	Weather: Clear)	Overcast Wind: Calm (Light) Strong pH:	ong pH: Max. I	Max. lake depth Team members:	
ramid Peak	Rain Si	Snow	source: (m): 2 .5	i	
Amphibian observer(s):		Survey start time: 12.50		eather: Clean Overcast	Rain Snow
08, ES		End time (hhmm): [335	(min) 40 min	Wind: Calm Cight Strong	!
Stream Start East UTM	A North UTM	End East UTM		Stream order: Color: Clean St	Stained
only:				Turbidity: Cleab	Cloudy
Amphibian/reptile species	# adults	# eubadults # larvae-	# ogg-masses	Comments Survey Method	0
- :	Approximately	tely 311 tackpoles observed in the pond. Ranged Wishald	soved in the pond.		ped
Calling? Y	in size from	1 140-75 mm in length	and Grosner stage 26		Hand Collected
<u></u> - I				(Dip Ney Seine	
KASI Metamorphs 20	20 metam	20 metamorphs were beserved.	Anging in size from 55-75 Visual	w 55-75 Visual Trapped	ped
Calling? Y	MM QVQ Ca				Hand Collected
걸					
KASL Dovaviles	11 juveniles	were observed, ranging	In size from 25-30 mm.	Trapped Trapped	pec
Voucher? × (1)		_		Aural	Hand Collected
= =	-1	9	d		
Subadulty	47 SUBADITS	الا 33	observed, ranging in size from 30-40 mm	Trapped Trapped	pec
Calling? Y					Hand Collected
#		- 1		Dip New Seine	
Pato	65 MOUNTS W	vere observed, ranging in	in Size from 40-65 mm SVL. Visual	S mm SVL. Visual Trapped	ped
Volicher? Y					Hand Collected
Water Tomp (5m from sho	100mm 32mm	_			
Water reliip. (John Iron shore, Tucm deep): 18 - 22	ore, Tucm deep):18	-22 @ 12.30 CorF	F Air Temp. (1m above water):	er): 19 °C @ 1230	©or F
amphibians: Sierra Nevada	yellow-legged frog	1 (RASI), Sierran treefrog (PSS	SI). CA newt (TATO) buillfro	amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI). CA newt (TATO), builfrog (LCA), jong-tond selamander (AMMA)	(A NABAA)

amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newt (TATO), builfrog (LICA), long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow frout (RT), golden frout (GT), cutthroat frout (CT), brown frout (BN), brook frout (BK), hybrids (GT x RT, CT x RT) (CO 's of PSRE trackpoles in pond. No THEL observed.

Photos: (Sneezy)

			Amphibia	in and Fisi	n invent	ory Data Shee	t - 2001	_	
		29/11		Lake Unm			, , ,	Perennial	
Lake Name:	(mmm-d		In not sample Watershed:	d, reason: st	ream wide	ning frozen, dry, Location (use cor		of another water b	ody
(from map)			akes Checklist	")		DIS of L	ale Aloha	Saddle (lans
County:	1	Elevation:		st UTM:			North UTM: 43	304803	
Topographic Map (7		m (f) 8/13 Weather: (Alean)		5 07491			a site ID; obtain fro		
Pyramid Reak		Rain S		id: Caim Ligi	it Strong	pH: 6.3 source: HA-CH	Max. lake depth (m): 6.5	Team members:	
Person recording ha	ahitat inf	ormation:		•	Substrat	e transects with aq	uatic venetation:		
Littoral zone substra			otal):		TOGDSBE	C transcots with ac	dalic vegetation.		
Silt		< 2 mm	2-32 m	ım	32-64	mm64	-256 mm	> 256 mm	bedrock
Shoreline terrestrial Silt-64 n			m; ~50 total): 3 mm	> 256 :		arocc/ooda	offerh	work du dobaio	b a cab
Width (cm) and dept						grass/sedg	Width (cm) and o	weody debris epth (cm) of outlet	brush s (width/denth):
(1) / (2)		(3)/(4	4 <u>)/(</u>	5)/	(6)/_	no inlets	(1) <u>////////////////////////////////////</u>	(3)	
Fish present in inlets							Fish present in o		
(1) Y N ? (2) Distance to first barr	rier on in	? (3) Y N ?	(4) Y N 1	? (5) Y N	? (6) Y	N ?		2) Y N ? (3) parrier on outlets (m	
(1) (2			(4)	(5)		(6)	1	(2)	(3)
Description of fish ba	arriers o	n inlets: (e.g. "2 m	falls", or "10 m	cascade")		<u> </u>		n barriers on outlet	s:
UTM coordinates for		(3)	(4)	(5)	-	(6)	(1)		(3)
		(3)	(4)	(5)_		(6)	(1)	for fish barriers on	outlets:
Photo number(s) for								for fish barriers on	
(1) (2	-	(3)	(4)	(5) <u></u>		(6)			(3)
Area of suitable spar		abitat on inlets (m):		(E)		(6)	Len	pawning habitat in	` '
(1) (2 Evidence of spawnin			(4)	(5)		(6)	(1)Evidence of spaw		(3)
(1) Spawning fish			(4) Spawπing	fish Redds	Fry	None	1	Redds Fry	None
(2) Spawning field		-	(5) Spawning		•	None	(2) Spawning fish	•	None
(3) Spawning fish Area of in-lake spaw			(6) Spawning	rfish Redds	Fry I	Vone	(3) Spawning fish	n Redds Fry pawning habitat at	
(2)	**************************************		(4)	(5)	(6)		1	Dawning Habitat at	odilets (III).
					_ \-/		l(1) (2	2)(3)_	- 1
Fainy Present in	lake?				1	entione?	[(1) (2	2)(3)	- 1
Fairy Present in shrimp Collection		Y N In lake-a	associated poo	is? Y (N)	Other lo	cations?		describ	e locations
shrimp Collection	made?	Y N In lake-a	associated poo on made? Y	ls? Y 🔊	Other lo	n made? Y		describ on map	
shrimp Collection Amphibian observer	made? (s): 0 (Y N In lake-a	associated poo on made? Y Survey start ti	is? Y (1) (1) (me: 1655	Other lo	Total survey durat	ion: Weathe	describ on map	st Rain Snow
Amphibian observer(Stream Start Ea	made? (s): 0 (Y N In lake-a	associated poo on made? Y Survey start ti End time (hhn	is? Y (1) (1) (me: 1655	Other lo Collection	n made? Y	ion: Weathe	describ on map r: Clear Overca Calm Light S Color: Clear	st Rain Snow trong Stained
Amphibian observer Stream Start Ea	made? (s): 0 (5	Y N In lake-a Y N Collection O, E.K North UTM	associated poo on made? Y Survey start ti End time (hhn	me: (55 5 nm): 7 5 5	Other lo Collection	Total survey durat (min) 50 mfc	ion: Weathe Wind: Stream order:	describ on map r: Clear Overca Calm Light S Color: Clear Turbidity: Clear	st Rain Snow Frong Stained Cloudy
Stream Start Earnly: Amphibian/reptile s	made? (s): 0 (5	Y N In lake-s	associated poo on made? Y Survey start ti End time (hhn	me: \655 nm): \755 East UTM	Other lo Collection	Total survey durat	ion: Weathe Wind: Stream order:	describ on map r: Clear Overca Calm Light S Color: Clear Turbidity: Clear	st Rain Snow trong Stained
Stream Start Early: Amphibian/reptile s PSRE Calling? Y	made? (s): 0 (5	Y N In lake-a Y N Collection O, E.K North UTM	associated poo on made? Y Survey start ti End time (hhn	me: \655 nm): \755 East UTM	Other lo Collection	Total survey durat (min) 50 mfc	ion: Weathe Wind: Stream order:	describ on map r: Clear Overca Calm Light S Color: Clear Turbidity: Clear Survey Visual	st Rain Snow Frong Stained Cloudy Method
shrimp Collection Amphibian observer(Stream Start Ea only: Amphibian/reptile s PSINE Calling? Y Voucher? Y W #################################	made? (s): 0 (5	Y N In lake-a Y N Collection O , E K North UTM # adults	associated poo on made? Y Survey start ti End time (hhn	me: \655 nm): \755 East UTM	Other lo Collection	Total survey durat (min) 50 mfc	ion: Weathe Wind: Stream order:	describ on map Calm Light S Color: Clear Turbidity: Clear Survey Visual Qip Net Seine	st Rain Snow Frong Stained Cloudy Method Trapped Hand Collected
Shrimp Collection Amphibian observer(Stream Start Ea only: Amphibian/reptile s PSRE Calling? Y (V) Voucher? Y (V) #_ THE L Calling? Y (V)	made? (s): 0 (5	Y N In lake-a Y N Collection North UTM # adults	associated poo on made? Y Survey start ti End time (hhm End # subaduli	me: \655 nm): \755 East UTM	Other lo Collection	Total survey durat (min) 50 mfc	ion: Weathe Wind: Stream order:	describ on map r: Clear Overca Calm Light S Color: Clear Turbidity: Clear Survey Visual	st Rain Snow Frong Stained Cloudy Method Trapped
Shrimp Collection Amphibian observer Stream Start Ea only: Amphibian/reptile s PSNE Calling? Y (N) # THE L Calling? Y (N) # Voucher? Y (N) #	made? (s): Q C	North UTM # adults	ssociated poon made? Y Survey start ti End time (hhm # subaduli	me: 155 S nm): 1755 East UTM is # li	Other lo Collection	Total survey durat (min) 50 mfc	ion: Weathe Wind: Stream order: diseased/checked	describ on map Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected Trapped
Shrimp Collection Amphibian observer(Stream Start Ea only: Amphibian/reptile s PSNE Calling? Y (N) # THE L Calling? Y (N) #	made? (s): Q C ast UTM	North UTM # adults Subadult 1-40 mm 07-490 7-6	Survey start ti End time (hhr # subaduli	me: \655 nm): \755 East UTM	Other lo Collection	Total survey durat (min) 50 min th UTM	ion: Weathe Wind: Stream order:	describ on map Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual	Stained Cloudy Method Trapped Hand Collected Trapped Trapped Trapped
shrimp Collection Amphibian observer(Stream Start Eaconly: Amphibian/reptile s PSNE Calling? Y () Voucher? Y () # THE L Calling? Y () Voucher? Y () #	made? (s): O C ast UTM species	North UTM # adults Subadult 1-40 mm 07-490 7-6	Survey start ti End time (hhn # subadult	me: 165 g nm): 755 East UTM s # 2.00	Normarvae + 200	Total survey durat (min) 5 0 min th UTM # egg masses	ion: Weathe Wind: Stream order: diseased/checked	describ on map Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected Trapped
shrimp Collection Amphibian observer(Stream Start Ea only: Amphibian/reptile s PSNE Calling? Y () Voucher? Y () # THE L Calling? Y () Voucher? Y () # NAST Calling? Y () Voucher? Y () #	made? (s): Q C ast UTM	North UTM # adults Subadult 1-40 mm 07-490 7-6	Survey start ti End time (hhr # subaduli	me: 155 5 nm): 1755 East UTM is #10 2.00	Nor arvae 1200	Total survey durat (min) 50 min th UTM # egg masses	ion: Weathe Wind: Stream order: diseased/checked	describ on map Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Trapped Trapped Trapped Trapped Trapped
shrimp Collection Amphibian observer(Stream Start Eaconly: Amphibian/reptile s PSNE Calling? Y () Voucher? Y () # THE L Calling? Y () Voucher? Y () #	made? (s): O C ast UTM species	North UTM # adults Subadult 1-40 mm 07-490 7-6	Survey start ti End time (hhr # subaduli	me: 165 g nm): 75 g nm): 75 g East UTM s # 2.0 D	Nor arvae 1 200 6074912 60 67490	Total survey durat (min) 50 min th UTM # egg masses	ion: Weathe Wind: Stream order: diseased/checked	describ on map Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected
shrimp Collection Amphibian observer(Stream Start Ea only: Amphibian/reptile s PSNE Calling? Y () Voucher? Y () # THE L Calling? Y () Voucher? Y () # RAST Calling? Y () Voucher? Y () #	made? (s): O C ast UTM species	North UTM # adults Subadult 1-40 mm 07-490 7-6	Survey start to End time (hhr # subadult	me: 1655 nm): 755 East UTM is #1: 2.00	Nor arvae + 200 607 607 607 607 607 607 607	Total survey durat (min) 50 min th UTM # egg masses 5-65-70m 5 (45-38-40 in 19-60 (4-270m) (5-5	ion: Weathe Wind: Stream order: diseased/checked	describ on map Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Trapped Trapped Trapped Trapped Trapped
shrimp Collection Amphibian observer(Stream Start Ea only: Amphibian/reptile s PSNE Calling? Y () Voucher? Y () # THE L Calling? Y () Voucher? Y () # RAST Calling? Y () Voucher? Y () # RAST Calling? Y () Voucher? Y () # RAST Calling? Y ()	made? (s): O C ast UTM species	North UTM # adults Subadult 1-40 mm 07-490 7-6	Survey start to End time (hhm # subadult	me: 165 g nm): 755 East UTM s # 2.00 1-262 1-270 32-40; 14-270 554 62-40;	Nor Arvae 1 200 Arr, 6-5 0 3 0 7 190 1 5 8 1 1 2 5 1	Total survey durat (min) 50 min th UTM # egg masses 5-65-70mm 5/45-38-40 in middle of 4-270mm, 6-5 38-40 @ end	on: Weathe Wind: Stream order: diseased/checked	describ on map Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Aural Dip Net/Seine	st Rain Snow Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected
shrimp Collection Amphibian observer(Stream Start Eaconly: Amphibian/reptile s PSNE Calling? Y () Voucher? Y () # THE L Calling? Y () Voucher? Y () # RAST Calling? Y () Voucher? Y () # Water Temp. (.5m from	made? (s): OC ast UTM species	North UTM # adults Subadult 1-40mm 0749076× 1304572	Survey start to End time (hhm # subadult # subadult # \$20 mm 0749076 # \$204572	me: 165 \$ mm: 175 \$ mm: 175 \$ East UTM \$ #16 2.00 1-262 37;10 430456 1-270 32-40;1 24304 1655	Nor Collectic No	Total survey durat (min) 50 min th UTM # egg masses \$ 5-65-70m \$ 645-38-40 in Middle of 4-2-70m \$ 65 38-40 @ end Point of net Air Temp (1m abo	ion: Weather Wind: Stream order: diseased/checked or visualization of the control	describ on map Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected
Shrimp Collection Amphibian observer(Stream Start Eaconly: Amphibian/reptile s PSNE Calling? Y () # THE L Calling? Y () # Water Temp. (5m fro amphibians: mountain	made? (s): OC ast UTM species om shore yellow-le	North UTM # adults Subadult 1-40mm 0749076× 1304572	Survey start ti End time (hhm # subadult # subadult 1-204572	me: 165 \$ nm: 1755 East UTM s # 2.00 1-262 1-270 1	Nor arvae 1 200 Ann, 6-5 0 3 0 7 190 ISSI Dan, 6-5 Oor F emite toad	Total survey durat (min) 50 min th UTM # egg masses \$5 -65-70m # egg masses \$4 -270m 65 38-40 @ end Point of net Air Temp. (1m abo (BUCA) CA newt (1	ion: Weather Wind: Stream order: diseased/checked orde	describ on map r. Clear Overca Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected
shrimp Collection Amphibian observer Stream Start Eaconly: Amphibian/reptile s PSNE Calling? Y W THE L Calling? Y W Voucher? Y W # NAST Calling? Y W Water Temp. (.5m fro amphibians: mountain reptiles: W. aquatic g	made? (s): OC ast UTM species om shore yellow-le garter sn	North UTM # adults Y N Collection North UTM # adults 1-40 m m 0-4910 7-6 × 130 45 7-2 a, 10cm deep): agged frog (RAMU) take (THCO) W. te	Survey start ti End time (hhm # subadult # subadult # 230 m m 0749076 4304572	me: 165 \$ mm: 1755 East UTM s # 2.00 1-262 17:10 130456 1-270 13-40; 14-270 1655 1(HYRE) Yos snake (THEL	Nor Arvae 7 200 Arrivas Or490 IS81 IS81 Or490 IS81 IS81 Or490 IS81 IS81 Or490 IS81 IS	Total survey durat (min) 50 min th UTM # egg masses 5-65-70m 56-538-40 in Middle of 4-270m 6-538-40 @ end Point of net Air Temp (1m abo (BUCA) CA newt (1) garter snake (THS	ion: Weathe Wind: Stream order: diseased/checked or diseased/check	describ on map Calm Light S Color: Clear Survey Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected
Shrimp Collection Amphibian observer Stream Start Eaconly: Amphibian/reptile s PSNE Calling? Y W THE L Calling? Y W Voucher? Y W # RAST Calling? Y W Voucher? Y W # Water Temp. (5m fro amphibians: mountain reptiles: W. aquatic g fish: rainbow trout (Ref	made? (s): O C ast UTM species om shore yellow-le garter sn RT), gold	North UTM # adults North UTM # adults Subadult -40 mm -7074076 × -304572 -40 mm -40 mm	Survey start ti End time (hhr # subadult # subadult 1-204572 1-265 mm Prolapset in 749104-4304 Pacific tree frogerrestrial garter proat trout (CT)	me: 165 \$ nm): 755 East UTM	Nor arvae 1200 Ann, 63 034912 Ann, 63 044912 Ann, 63 0507490 Man, 63 Man,	Total survey durat (min) 50 min th UTM # egg masses \$5 -65-70m # egg masses \$4 -2 -38 -40 in Middle of 4 -2 -70m 6 of 6 cont 6 garter snake (THS 6 trout (BK), hybride 6 trout (BK), hybride	ion: Weather Wind: Stream order: diseased/checked orde	describ on map Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine CLEAR Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected
Shrimp Collection Amphibian observer(Stream Start Eaconly: Amphibian/reptile s PSNE Calling? Y (N) # THEL Calling? Y (N) # Woucher? Y (N) # Water Temp. (5m frod amphibians: mountain reptiles: W. aquatic of fish: rainbow trout (Fig. 1) # Photos.	made? (s): OC ast UTM species om shore yellow-k garter sr RT), gold	North UTM # adults Subadult Subadult 1-40 mm 0749076× 4304572 a, 10cm deep): egged frog (RAMU) ake (THCO) W. te en trout (GT), cuttr Pond fa	Survey start ti End time (hhm # subaduli Juveniles H-=30 m m 0749076 4204572	me: 165 \$ nm): 7-55 East UTM is #16 2.00 1-2-62 37:10 430456 1-2-70 32-40; 12-2-70 32-40; 13-2-70 32-40; 14-2-70 32-40; 14-2-70 32-40; 14-2-70 32-40; 14-2-70 32-40; 14-2-70 32-40; 14-2-70 32-40; 14-2-70 32-40; 15-31 16-55 3 (HYRE) Yos snake (THEL, brown trout of the control of the contr	Nor arvae 1200 ACAS CORRECTION Nor Arvae 1200 ACAS CORRECTION COMMON BROWN COMMON	Total survey durat (min) 50 min th UTM # egg masses 5-65-70mm # egg masses 15-65-38-40 in Middle of 4-270mm, 6-5 38-40 @ end Point of net Order snake (THS c trout (BK), hybride NW 1437	on: Weathe Wind: Stream order: diseased/checked 0749123 × 4304731 749083 4304570 ve water): ATO) builfrog (RACI) W. pond turtle (GT x RT, CT x RT) for N/S 6	describ on map Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Color: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Color: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Color: Clear Color: Clear Survey Visual Aural Dip Net/Seine Color: Clear Color: Clear Color: Clear Survey Visual Aural Dip Net/Seine Color: Clear Color: Clear Color: Clear Survey Visual Aural Dip Net/Seine Color: Clear Color: Clear Color: Clear Survey Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected
Shrimp Collection Amphibian observer(Stream Start Eaconly: Amphibian/reptile s PSNE Calling? Y (N) # THEL Calling? Y (N) # Woucher? Y (N) # Water Temp. (5m frod amphibians: mountain reptiles: W. aquatic of fish: rainbow trout (Fig. 1) # Photos.	made? (s): OC ast UTM species om shore yellow-k garter sr RT), gold	North UTM # adults Subadult Subadult 1-40 mm 0749076× 4304572 a, 10cm deep): egged frog (RAMU) ake (THCO) W. te en trout (GT), cuttr Pond fa	Survey start ti End time (hhm # subaduli Juveniles H-=30 m m 0749076 4204572	me: 165 \$ nm): 7-55 East UTM is #16 2.00 1-2-62 37:10 430456 1-2-70 32-40; 12-2-70 32-40; 13-2-70 32-40; 14-2-70 32-40; 14-2-70 32-40; 14-2-70 32-40; 14-2-70 32-40; 14-2-70 32-40; 14-2-70 32-40; 14-2-70 32-40; 15-31 16-55 3 (HYRE) Yos snake (THEL, brown trout of the control of the contr	Nor arvae 1200 ACAS CORRECTION Nor Arvae 1200 ACAS CORRECTION COMMON BROWN COMMON	Total survey durat (min) 50 min th UTM # egg masses \$5 -65-70m # egg masses \$4 -2 -38 -40 in Middle of 4 -2 -70m 6 of 6 cont 6 garter snake (THS 6 trout (BK), hybride 6 trout (BK), hybride	on: Weathe Wind: Stream order: diseased/checked 0749123 × 4304731 749083 4304570 ve water): ATO) builfrog (RACI) W. pond turtle (GT x RT, CT x RT) for N/S 6	describ on map Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Color: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Color: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Color: Clear Color: Clear Survey Visual Aural Dip Net/Seine Color: Clear Color: Clear Color: Clear Survey Visual Aural Dip Net/Seine Color: Clear Color: Clear Color: Clear Survey Visual Aural Dip Net/Seine Color: Clear Color: Clear Color: Clear Survey Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected

550 LP				Amph	ibian a	nd Fish	Inven	tory Data S	heet	- 2001					
Site ID: (2	Date:8	130/11		Water ty	pe: Lak	e (Unma	pped por	Stream	Mars	h Sprir	ng seep	Pe	rennial	Œ	hemeral
Yound U	(mmm-d	d-yy)		If not sar	npled, rea	ason: str	eam wide	ening frozen,	dry, o	r not four	nd part	of another	water bo	ody	
Lake Name:			Planning	Watershe	ed:			Location (us	e com	mon lang					
(from map)			(from "La	ikes Chec	klisť)			10/5 c	> [Lake	. Ala	ha S	add	le	Dams
County:		Elevation			East UT					North U		104S			
El Dorad	0	m (ft)	8136		749	1129		(only for lakes							
Topographic Map (Weather	Clear C	Overcast	Wind: C	alm Light	Strong	pH:		Max. lak	e depth	Team me	embers:		
Puramid Pi	eak		Rain Si	now				source:		(m):	5	1 DB	C5		
							Т								
Person recording h							Substra	te transects wi	ith aqu	uatic vege	etation:				
Littoral zone subst	rate comp	osition (3	m; ~50 tot	al):											Market Market St.
Silt		< 2 mr			32 mm _		32-64	mm	64-	-256 mm	·- <u></u>	> 256	mm	The second second	bedrock
Shoreline terrestria	al substrat	te compos	ition (1.5r	n; ~50 tota	al):							edi.	Service Walter		
Silt-64	mm		_ >64-256	mm		_ > 256 rr	ım	grass	/sedge			woody de			brush
Width (cm) and de										Width (c	m) and de	epth (cm) o	of outlets	(widt	h/depth):
(1)/(2)_	/	(3)	/(4))/	(5)	_/ ((6)/	no inle	ets	(1) <i>[سسس</i>	(2)		(3)	_/_	none
Fish present in inle									-	Fish pre	sent in ou	tlets?			
(1) Y N ? (2)	Y N	? (3) Y	N ?	(4) Y 1	7 (5)) Y N	? (6)	Y N ?		(1) Y	N ? (2) Y N	? (3)	Y N	?
Distance to first ba	rrier on in	ilets (m):						and the same of th		Distance	to first b	arrier on o	utlets (m	:)	_
	(2)		3)	(4)_		(5)		(6)		(1)	(2)	(3)	
Description of fish	barriers o	n inlets: (e	∋.g. "2 m f	alis", or "1	0 m caso	cade")				Descript	ion of fish	barriers o	n outlets	3:	
(1)((2)	(;	3)	(4)		(5)		(6)		(1)		2)	((3)	
UTM coordinates for	or fish ba	rriers on in	ilets:		Name of the last o					UTM cod	ordinates	for fish bar	Tiers on	outlet	s:
(1)((2)	(;	3)	(4)		(5)		(6)		(1)	(2)		3)	
Photo number(s) fo	or fish bar	riers on in	lets:		•					Photo nu	ımber(s) t	or fish bar	riers on	outlets	3:
	(2)		3)	(4)_		(5)		(6)		(1)		2)		3)	
Area of suitable spa	awning h	abitat on in	nlets (㎡):							Area of s	suitable sp	awning ha	abitat in	outlets	s (nf):
(1)((2)	<u> </u>	3)	(4)		(5)		(6)		(1)	(2)	(3)	
Evidence of spawn	ing in inle	ets:								Evidence	of spawi	ning in out	lets:		_
(1) Spawning fish			None	(4) Spaw	ning fish	Redds	Fry	None		(1) Spav	vning fish	Redds	Fry	None	
(2) Spawning fish	Redds	Fry N	None	(5) Spaw	ning fish	Redds	Fry	None		(2) Spav	wning fish	Redds	Fry	None	
(3) Spawping fish	Redds	Fry N	None	(6) Spaw	ning fish	Redds	Fry	None		(3) Spav	wning fish	Redds	Fry	None	
Area of in-lake spa	wning ha	ıbitat at inl	ets (㎡):							Area of	in-lake sp	awning ha	bitat at o	outlets	(n²):
(2)		(3)	(4)	(5)_		(6)			(1)	(2		(3)		
F : D 1		v 🚳				· 45									
_	in lake?			ssociated	_		l .	cations?	\sim				describ	e locat	tions
shrimp Collection	n made?	Y	Collectio	n made?	Y (N/		Collecti	on made? Y	(N)				on map		
Amphibian observe	r(s): NB	.1-5	<u>"</u>]	Survey st	art time:	ISSS		Total survey	duration	on:	Weather	Clear	Overca	st R	ain Snow
· ·	· • • • • • • • • • • • • • • • • • • •	1		End time				(min) 2-0					gk		
Stream Start E	ast UTM	N	orth UTM		End Eas		No	rth UTM		Stream o		Color:	Clear		tained
only:												Turbidity:) 0	loudy
Amphibian/reptile	species	# ad		# suba		# la	rvae	# egg masse	s	diseased/c	hecked		Survey	Metho	d
RASI				/-37mm		-Subad	lult.				~	Visual		Trap	ped
Calling? Y N			t	-79 Fem	ماو	t		1	ļ		-	Aural		Han	d Collected
Voucher? Y N #						-506ad	(#I+				<	Dip Net/S	eine		
RASI				1-38~			4 .1		İ			Visual		Trap	•
Calling? Y N				749145 43044		-Suba	dul+					Aural		Han	d Collected
Voucher? Y N #				-13074	<u>. </u>	ļ		ļ				Dip Net/S	eine		
Calliago V N			ŀ			}						Visual		Trap	
Calling? Y N Voucher? Y N #												Aural	aine	Han	d Collected
Andreit I IA #												Dip Net/S Visual	CITIE	Trap	nod .
	1					1		l .				VISUEI		ırap	peu

Water Temp. (.5m from shore, 10cm deep): 19.5 @ 1600 CD amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullfrog (RACA) Long-toed salamander (AMMA) C)or F reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 472-facing South;

(grunpy)

Aural

Aural

Dip Net/Seine Visual

Dip Net/Seine

Hand Collected

Hand Collected

Trapped

Calling? Y N

Voucher? Y N

Calling? Y N

		130/1	1	<u> </u>	rpe: Lake						Perennial	Ephemeral)
	(mmm-d	ld-yy)				son: str	eam wid			r not found part o	f another water b	ody
Lake Name:			1 -	Watershe						mon language)		
(from map)				akes Chec				11)/5 of		ate Aloha		Dams
County:		Elevatio	m: 813.	0	East UTI					North UTM: 43	04487	
E Dorado		m (ft)				<u>9133</u>			s w/o a	site ID; obtain from	n GPS unit)	
Topographic Map (7		Weathe	r: Cléar	Overcast	Wind: C	alm Lig რ	Strong	pH:		Max. lake depth	Team members	
Pyramid Pe	<u> </u>		Rain S	now				source:		(m): 0, 6	DB,CS	
Person recording ha	ahitet inf	omation:			,		Subetra	to transacte wii	th on	atic vegetation;	•	
Littoral zone substra			-	tal)·			Joubsile	ite transects wi	iii aqu	auc vegetation,	<u> </u>	
Silt _		< 2 m		•	32 mm _		32-64	.mm	64-	256 mm	> 256 mm	bedrock
Shoreline terrestrial		te compo			al):							
Silt-64 n		- 6 1 - 1 - 4 - 4	_ >64-256			_ > 256 m	nm	grass/	sedge		woody debris	brush
Width (cm) and dep	• •	•	•	•	4.50			•		Width (cm) and de		s (width/depth):
(1)/(2)_		(3)	_/(4	· <u>)/</u>	(5)		(6) <u>/</u>	no inlet	ts		(3)_	/ none
Fish present in inlet										Fish present in out		
(1) Y N 7 (2)	YN	7 (3)	Y N ?	(4) Y N	N ? (5)	Y N	? (6)	Y N ?		(1) N ? (2)	Y N ? (3)	Y N ?
Distance to first ban		` '							ALE PARTY OF THE P	Distance to first ba	rrier on outlets (r	n)
(1) (2			(3)	(4)_		(5)		_ (6)				(3)
Description of fish batter (1)			(e.g. "2 m : (3)	falls", or "1 (4)_	0 m casc	ade") (5)		-46)		Description of fish (1)(2)	barriers on outlet 2)	(3)
UTM coordinates for	4			<u> </u>		(0)		<u> </u>	_	UTM coordinates f		
(1) (2	2)		(3)	(4)		(5)		(6)	i		2)	(3)
Photo number(s) for	fish bar	riers on i	nlets:							Photo number(s) for	or fish barriers on	outlets:
(1)(2	<u> </u>		(3)	(4)		(5)		_ (6) <u> </u>		(1) (2	2)	(3)
Area of suitable spar	wning h	abitat on i	inlets (㎡):							Area of suitable sp	awning habitat in	outlets (m²):
(1)(2	2)		(3)	(4)_		(5)		(6)	[(1) (2	2)	(3)
Evidence of spawning	ng in inle	ts:					_			Evidence of spawn	ing in outlets:	
(1) Spawning fish	Redds	Fry	None	(4) Spaw	ning fish	Redds	Fry	None	- 1	(1) Spawning fish		None
(2) Spawning fish	Redds	Fry	None	(5) Spaw	ning fish	Redds	Fry	None	- 1	(2) Spawning fish	•	None
(3) Spawning fish	Redds	Fry	None	(6) Spaw	ning fish	Redds	Fry	None	- 1	(3) Spawning fish	•	None
Area of in-lake spav	vning ha	bitat at in	nlets (m²):						_	Area of in-lake spa		
(2)		(3)	·	(4)	(5)		(6)			(1)(2)		
Faire Branchia	- I-lO	v (0)	1-1									
Fairy Present in				ssociated		(1)		ocations?	_		describ	e locations
shrimp Collection	made?	YA	Collection	n made?	Y (N)		Collecti	on made? Y	<u>(M)</u>		on mar	
Amphibian observer	(s):			Survey sta	art time: (622		Total survey of	duratio	on: Weather:	Clear Overca	ast Rain Snow
DB, CS				End time				(min) \ 5			Calm Light	 -
Stream Start Ea	ast UTM		lorth UTM	- 1	End Eas		No	rth UTM	\top		Color: Cléar	
only:											Turbidity: Clear	
Amphibian/reptile s		#a	dults	# suba	adults		rvae	# egg masses	S	diseased/checked	Survey	Method
RAST - Juvenil	le_			1 30mm 749128*4	3NI485 T	Juver	ile			•	Visual	Trapped
Calling? Y			1		, ,						Aural	Hand Collected
Voucher? Y (N #_		1-48 m	(a.le					<u> </u>			Dip Net Seine	
RASI- Adult				1-60 ma 749130		7.A		İ			Visua)	Trapped
Calling? Y		1-220~₩	1,Male	7 1130	יייייייייייייייייייייייייייייייייייייי				- 1		Aural	Hand Collected
Voucher? Y 🐠 #_		<u> 24912184</u>	304478					<u> </u>			pip Nel/Seine	
Calling? Y N									- 1		Vi su al	Trapped
Voucher? Y N #											Aural Din Not/Coine	Hand Collected
* Outer: 1 14 #_								 	\dashv		Dip Net/Seine	Transed
Calling? Y N					i				-		Visual Aural	Trapped Hand Collected
Voucher? Y N #_					ĺ				1		Dip Net/Seine	Hand Collected
									+		Visual	Trapped
Calling? Y N	}		ł			٠					Aural	Hand Collected
Voucher? Y N #_									- }		Dip Net/Seine	c.ie obiloolog
Water Temp. (.5m fro					@ [C or F	Air Temp. (1m		e water): 2	3 @ 16	20 (C)or F
amphibians: mountain	yellow-le	egged frog	(RAMU)					(BUCA) CA ne	ewt (T/			nander (AMMA)

reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 473 +474 - Pond facing South + west;

ζ	50	1	P

Site ID:	Date: 8	129/1	11	Water ty	pe: Lak	e (Únma	pped po	nd Stre	am Mar	sh Spri	na seep	erennia	Ephemeral
Pond D	(mmm-d		•									f another water	
Lake Name:		_	Planning	Watershe					n (use cor				
(from map)			(from "L	akes Chec	klist")							Sadd	· Dams
County:		Elevation	on: 🚚 🔠		East UT	M:				North U	TM: 43	04854	9000
E Dorad	lo	m (f)	810-	7	10s	074	9003	(only for	lakes w/o	a site ID:	obtain from	n GPS unit)	
Topographic Map	(7.5'):	Weathe	r: Ælear	Overcast	Wind: C	alm Ligh	Spona	pH: L	.2	Max. lal	ke depth	Team member	s.
Paramid Pea	K. CA	i	Rain S			•			HACK			DB, EK	.
							,		- 111,1				
Person recording t	habitat info	ormation	<u> </u>				Substra	ate transed	ts with ac	uatic veg	etation:		4
Littoral zone subst	rate comp	osition (3m; ~50 to	tal):				-					A STATE OF THE STA
Silt		< 2 m					32-64	mm	64	1-256 mm		> 256 mm	bedrock
Shoreline terrestria	ai substrat	e compo	sition (1.5									***************************************	
Silt-64						_ > 256 m	1m	9	rass/sedg			woody debris_	brush
Width (cm) and de		•		•						Width (d	m) and de	oth (cm) of outle	ets (width/depth):
(1)/(2)_		(3)	(4)/_	(5)	_/((6)/_	no	inlets	(1)	(2)	/(3)	/ none
Fish present in inte										- A	sent in out		
(1) Y N ? (2)	YN	? (3)	Y N ?	(4) Y N	1 ? (5)	ΥN	? (6)	Y N ?		(1) Y	N ? (2)	Y N ? (3)	Y N ?
Distance to first ba	irrier on in								The state of the s	,		rrier on outlets (m)
	(2)		(3)			(5)		(6)			(2		(3)
Description of fish				falls", or "1	0 m caso	ade")	_	A STATE OF THE STA				barriers on outle	ets:
· · · · · · · · · · · · · · · · · · ·	(2)		(3)	(4)		(5)	No. of Street, or other Persons and the Street, or other Persons a	(6)		(1)		2)	(3)
UTM coordinates for						ALEXANDER OF THE PARTY OF THE P				1		or fish barriers o	n outlets:
	(2)		(3)	(4)	-	(5)		(6)		(1))	(3)
Photo number(s) fo		riers on i	nlets:	_						Photo n	umber(s) fo	or fish barriers or	n outlets:
	(2)		(3)	(4)_		(5)		(6)		(1)	(2		(3)
Area of suitable sp	_	ibitat on	inlets (m)							Area of	suitable sp	awning habitat i	n outlets (㎡):
(1)((2)		(3)	(4)		(5)		(6)		(1)	(2		(3)
Evidence of spawn										Evidence	e of spawn	ing in outlets:	
(1) Spawning fish				(4) Spaw	_		Fry	None		(1) Spa	wning fish	Redds Fry	None
(2) Spawning fish		•	None	(5) Spawi	_		Fry	None		(2) Spar	wning fish	Redds Fry	None
(3) Spawning fish			None	(6) Spawi	ning fish	Redds	Fry	None			wning fish		
Area of in-lake spa											in-lake spa	wning habitat a	t outlets (mੰ):
(1)(2)		(3)		(4)	(5)		(6)			(1)	(2)	(3)	
Fairy Present	in lake? \	(N)	In lake-a	ssociated	nools? Y	AT)	Other Ic	ocations?	-	,		dagari	be locations
shrimp Collection						9		on made?	v 📶				
-							Collecti	onmader	י שי			on ma	p
Amphibian observe	er(s): DB	KEK		Survey sta					vey durat	ion:	Weather:	Clear Overc	ast Rain Snow
Otan				End time ((min) 2				Calm Light	
Stream Start E	ast U I M	,	orth UTM		End Eas	t UTM	Noi	rth UTM		Stream o		Color: Clea	
Only: Amphibian/reptile	eneciae	# 24	dults	# subs	di ilia	#10		#		diseased/o		Turbidity: Clea	
BASI - Ta		# at		# suba 0749001x1			rvae 44-44	# egg ma	asses	uiseaseo/ c			y Method
Calling? Y 6	APULL			-,.,		1 62-1971	140					Visua) Aural	Trapped
Voucher? Y N #								ļ.		ļ	Į.	Dip Net/Seine	Hand Collected
RASI				1-27mm		~		 				Visual)	Trapped
Calling? Y N	1			074904	5 -	Juvon	ile	l				Aura	Hand Collected
Voucher? Y N #			[430482	2	•						ip Net/Seine	Traine Oblication
												Visual	Trapped
Calling? Y N	ŀ							1		} -	ļ,	Aural	Hand Collected
Voucher? Y N #												Dip Net/Seine	
	1				1			-				√isual	Trapped
Calling? Y N					ĺ							Aural	Hand Collected
Voucher? Y N #								1				Dip Net/Seine	
Collines V N					1							√isual	Trapped
Calling? Y N Voucher? Y N #_	1				- !	-		1			,	Aural	Hand Collected
Water Temp. (.5m fr	rom shore	10cm d	leen):	20	<u> </u>	640 1	or F	Air Tomo	. (1m abo	ua wata-h		Dip Net/Seine	400
amphibians: mountai													640 (C)or F

ampripilans: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullfrog (RACA) Long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 433-Juve; 434 - Pond Tooking NW;

			Ampni	ibian and Fi	SII IIIVEIIL	ory Data S	neet	- 2007		
Site ID:		129/11		pe: Lake Qn			Marsh		Perennia	
rond E	(mmm-c				stream wide			not found part	of another water	body
Lake Name:	•		g Watershe					non language)		
(from map)		Elevation:	akes Chec		0.00117	10/5 of	F -	ake Alol	na Saddi	e vams
County:	•	m (2) 810	7	East UTM: 子		/		North UTM: 43		
Topographic Map		Weather Clear		Wind: Colm K		(only for lake	s w/o a	site ID; obtain fro		<u> </u>
Perania Pe		Rain S		vviio. Cain E	ight buong	_	1	Max. lake depth (m): ∿ l • 5		
19.000.00	-					source: HA	<u> </u>	(11). (40)	EK'DE	<u> </u>
Person recording I	habitat inf	ormation:			Substrat	e transects w	ith aqua	atic vegetation:		
Littoral zone subst	rate comp	position (3m; ~50 to	otal):					•		
Silt _		< 2 mm		32 mm	32-64 r	mm	64-2	256 mm	> 256 mm	bedrock
Shoreline terrestria				•						
Width (cm) and de		>64-25		> 25	6 mm	grass	/sedge/		woody debris	brush
(1)/ (2)				_ (5)/	(6)/_	no inte		Width (cm) and de		
Fish present in inle		_ (-)\ (-)	·/	_ (0/	(0)	10 11 10	-	Fish present in ou		/ none
(1) Y N ? (2)		? (3) Y N ?	(4) Y N	1 ? (5) Y I	N ? (6) Y	N ? 🖊	-	(1) Y N ? (2		Y N 2
Distance to first ba			<u> </u>					Distance to first ba		
	(2)	· (3)	(4)	(5)		(6)		(1)(2)	(3)
Description of fish				•]1	Description of fish	barriers on outle	ts:
(1) UTM coordinates fi	(2)	(3)	(4)	(5)		(6)			2)	(3)
	ornsn bai (2)	(3)	(4)	(5)		<i>(6</i>)	- 1	JTM coordinates		
Photo number(s) for			(<u>4)_</u>	(0).		(6)		1)(Photo number(s) f		(3)
1	(2)	(3)	(4)	(5)		(6)	- 1		2)	(3)
Area of suitable sp	awning h	abitat on inlets (m)				. /	_	Area of suitable sp		outlets (m²):
	(2)	(3)	(4)	(5)		(6)			2)	(3)
Evidence of spawn	-						E	Evidence of spawr	ning in outlets:	
(1) Spawning fish			(4) Spawi	-	•	None	- 1	 Spawning fish 	•	None
(2) Spawning fish (3) Spawning fish		Fry None Fry None	(5) Spawr	=	•	None	- 1	2) Spawning fish	•	None
Area of in-lake spa			(6) Spawr	ning fish Red	ds Fry N	None		 Spawning fish Area of in-lake span 		None
(2)		(3)	(4)	(5)	(6)	<u> </u>	I.	1)(2)		· Coticio (iii).
Fairy Present	in lake?	Y (1) In lake-a	ssociated	pools? Y (N)	Other loc	cations?	,		descrit	be locations
	n made?		n made?	v Mô	Collection	n made? Y	AD.		on ma	
shrimp Collection	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Y (N) Collection			4444	.,	(1)			
_								14/octhor	(60)	t D-:- 0
shrimp Collection Amphibian observe			Survey sta	ert time: 1550)	Total survey	duratio		Clear Overc	
Amphibian observe	r(s): DB		Survey sta End time (duration ∧ ≀'∧		Celm Light Color: Clear	grong
Amphibian observe Stream Start E only: (er(s): DB	North UTM	Survey sta End time (hhmm): 1620 and East UTM	Nort	Total survey (min) 2.5 ,	duration M≀^	Wind: tream order:	Calm (Light)	Stained
Amphibian observe Stream Start E only: (Amphibian/reptile	er(s): DB	North UTM	Survey sta End time (End time (thhmm): 1521 ind East UTM	Nort	Total survey (min) 2.5	duration M≀^	Wind: Stream order:	Calm Light Color: Clear Turbidity: Clear Survey	Stained Cloudy Method
Amphibian observe Stream Start E only: (Amphibian/reptile	er(s): DB	North UTM	Survey sta End time (hhmm): 1620 and East UTM	Nort	Total survey (min) 2.5 ,	duration M≀^	Wind: Stream order:	Calm Light Color: Clear Turbidity: Clear Survey	Stained Cloudy Method Trapped
Amphibian observe Stream Start E only: (Amphibian/reptile RA SI Calling? Y (I) Voucher? Y (I) #	er(s): DB East UTM species	North UTM # adults 074878] x	Survey sta End time (End time (thhmm): 1521 ind East UTM	Nort	Total survey (min) 2.5 ,	duration M≀^	Wind: Stream order:	Calm Light Color: Clear Turbidity: Clear Survey	Stained Cloudy Method
Amphibian observe Stream Start E only: (Amphibian/reptile RA SI Calling? Y Voucher? Y P5 RE	er(s): DB East UTM species	North UTM # adults 0748981 x 4304881	Survey sta End time (End time (thhmm): 1521 ind East UTM	Nort	Total survey (min) 2.5 ,	duration M≀^	Wind: Stream order:	Calm Light Color: Clear Turbidity: Clear Survey Visual Aural	Stained Cloudy Method Trapped
Amphibian observe Stream Start E only: (Amphibian/reptile RA SI Calling? Y Voucher? Y V Calling? Y N # PS RE Calling? Y N	er(s): DB East UTM species	North UTM # adults 0748981 x 4304881	Survey sta End time (End time (tht time: 1550 hhmm): 1621 End East UTM	Nort	Total survey (min) 2.5 ,	duration M≀^	Wind: Stream order:	Calm Light Color: Clear Survey Visual Aural Visual Aural Aural	Stained Cloudy / Method Trapped Hand Collected
Amphibian observe Stream Start E only: (Amphibian/reptile RA-SI Calling? Y N Voucher? Y N # PS RE Calling? Y N Voucher? Y N #	er(s): DB East UTM species	North UTM # adults 0748981 x 4304881 Gosner 37-40	Survey sta End time (# suba 79 mm	tht time: 1550 hhmm): 1621 and East UTM dults #	Nort	Total survey (min) 2.5 ,	duration M≀^	Wind: Stream order:	Calm Light Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected
Amphibian observe Stream Start E only: (Amphibian/reptile RA SI Calling? Y Voucher? Y V Calling? Y N # PS RE Calling? Y N	er(s): DB	North UTM # adults 0748181 x 4304881 Gosner 37-40	Survey sta End time (# suba 79 mm	tht time: 1550 hhmm): 1621 End East UTM dults #	Nort	Total survey (min) 2.5 ,	duration M≀^	Wind: Stream order:	Calm Light Color: Clear Survey Visual Aural Visual Aural Aural	Stained Cloudy / Method Trapped Hand Collected
Amphibian observed Stream Start E only: (Amphibian/reptile RAST Calling? Y N # PS RE Calling? Y N # NAST Calling? Y N # Voucher? Y N #	er(s): DB	North UTM # adults 0748981 x 4304881 Gosner 37-40	Survey sta End time (# suba 79 mm	tht time: 1550 hhmm): 1621 End East UTM dults #	Nort	Total survey (min) 2.5 ,	duration ກ≀່∧	Wind: Stream order:	Calm Light Color: Clear Survey Visual Aural Oip Net/Seine Visual Dip Net/Seine Visual	Stained Cloudy Method Trapped Hand Collected Trapped Trapped Trapped Trapped Trapped
Amphibian observe Stream Start E only: (Amphibian/reptile RAST Calling? Y N Voucher? Y N # RAST Calling? Y N Voucher? Y N # RAST Calling? Y N Voucher? Y N #	er(s): DB	North UTM # adults 0748181 x 4304881 Gosner 37-40	Survey sta End time (# suba 79 mm	tht time: 1550 hhmm): 1621 End East UTM dults #	Nort	Total survey (min) 2.5 ,	duration ກ≀່∧	Wind: Stream order:	Calm Light Color: Clear Turbidity: Clear Survey Visual Aural Oip Net/Seine Visual Aural Dip Net/Seine Visual Aural Oip Net/Seine Visual Aural Oip Net/Seine	Stained Cloudy Method Trapped Hand Collected Trapped Trapped Trapped Trapped Trapped
Amphibian observe Stream Start E only: (Amphibian/reptile RAST Calling? Y N Voucher? Y N # RAST Calling? Y N Voucher? Y N # THEL Calling? Y P	er(s): DB	North UTM # adults 0748181 x 4304881 Gosner 37-40	Survey sta End time (# suba 79 mm	tht time: 1550 hhmm): 1621 End East UTM dults #	Nort	Total survey (min) 2.5 ,	duration ກ≀່∧	Wind: Stream order:	Calm Light Color: Clear Turbidity: Clear Survey Visual Aural Oip Net/Seine Visual Aural Dip Net/Seine Visual Aural Oip Net/Seine Visual Aural Aural Aural Aural Aural Aural Aural Aural	Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected
Amphibian observe Stream Start E only: (Amphibian/reptile RAST Calling? Y N Voucher? Y N # RAST Calling? Y N Voucher? Y N # RAST Calling? Y N Voucher? Y N #	er(s): DB	North UTM # adults 0748181 x 4304881 Gosner 37-40	Survey sta End time (# suba 79 mm	tht time: 1550 hhmm): 1621 End East UTM dults #	Nort	Total survey (min) 2.5 ,	duration ກ≀່∧	Wind: Stream order:	Calm Light Color: Gear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected
Amphibian observe Stream Start E only: (Amphibian/reptile RAST Calling? Y N Voucher? Y N # RAST Calling? Y N Voucher? Y N # THEL Calling? Y N Calling? Y N Calling? Y N Calling? Y N	er(s): DB	North UTM # adults 0748181 x 4304881 Gosner 37-40	Survey sta End time (# suba 79 mm	tht time: 1550 hhmm): 1621 End East UTM dults #	Nort	Total survey (min) 2.5 ,	duration ກ≀່∧	Wind: Stream order: iseased/checked	Calm Light Color: Clear Turbidity: Clear Survey Visual Aural Oip Net/Seine Visual Aural Dip Net/Seine Visual Aural Oip Net/Seine Visual Aural Aural Aural Aural Aural Aural Aural Aural	Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Trapped Trapped Trapped Trapped Trapped Trapped
Amphibian observed Stream Start E only: (Amphibian/reptile RAST Calling? Y N # PS RE Calling? Y N # NAST Calling? Y N # THEL Calling? Y N # Calling? Y N # Calling? Y N # Calling? Y N # Voucher? Y N #	er(s): DB	North UTM # adults O748981 x 4304881 GTOSNEY 37-40	# suba 79 mm	thirms: 1550 hhmm): 1621 End East UTM dults #	Norti	Total survey (min) 2.5 , h UTM # egg masses	min S	Wind: Stream order: iseased/checked	Calm Light Color: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	Strong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Trapped Trapped Trapped Trapped Trapped
Amphibian observed Stream Start E only: (Amphibian/reptile RAST Calling? Y N # PS RE Calling? Y N # NOucher? Y N # NAST Calling? Y N # THEL Calling? Y N # Calling? Y N # Calling? Y N # Voucher? Y N # Water Temp. (.5m fi	ast UTM species	North UTM # adults O748781 × 4304881 Grosner 37-40	# suba 79 mm	ant time: 1550 hhmm): 1621 End East UTM dults #	Norte larvae	Total survey (min) 2.5 ; h UTM # egg masser	duration min	Wind: Stream order: iseased/checked	Calm Light Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected
Amphibian observe Stream Start E only: (Amphibian/reptile RA SI Calling? Y N # P5 RE Calling? Y N # Noucher? Y N # RASI Calling? Y N # Voucher? Y N # THEL Calling? Y N # Calling? Y N # Water Temp. (.5m f amphibians: mountainereptiles: W aquatic	ast UTM species rom shore n yellow-ke	North UTM # adults 0748781 x 4304881 Gosner 37-40 1 - 72 mn svL Female 9, 10cm deep): Pagged frog (RAMU)	Survey sta End time (# suba 79 mm	art time: 1550 hhmm): 1621 End East UTM dults #	C or F	Total survey (min) 2.5 ; h UTM # egg masses Air Temp. (1m	above	Wind: Stream order: iseased/checked (((((((((((((Calm Light Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine O @ 64 A) Long-toed salar	Strong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected OS Or F mander (AMMA)
Amphibian observe Stream Start E only: (Amphibian/reptile RA SI Calling? Y N # P5 RE Calling? Y N # Noucher? Y N # RASI Calling? Y N # Calling? Y N # Calling? Y N # Calling? Y N # Woucher? Y N # Water Temp. (.5m f amphibians: mountainereptiles: W aquation	ast UTM species rom shore n yellow-ke	North UTM # adults 0748781 x 4304881 Gosner 37-40 1 - 72 mn svL Female 9, 10cm deep): Pagged frog (RAMU)	Survey sta End time (# suba 79 mm	art time: 1550 hhmm): 1621 End East UTM dults #	C or F	Total survey (min) 2.5 ; h UTM # egg masses Air Temp. (1m	above	Wind: Stream order: iseased/checked (((((((((((((Calm Light Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine O @ 64 A) Long-toed salar	Strong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected OS Or F mander (AMMA)
Amphibian observe Stream Start E only: (Amphibian/reptile RA SI Calling? Y N # P5 RE Calling? Y N # Noucher? Y N # RASI Calling? Y N # Calling? Y N # Calling? Y N # Calling? Y N # Woucher? Y N # Water Temp. (.5m f amphibians: mountainereptiles: W aquation	ast UTM species rom shore n yellow-ke	North UTM # adults 0748781 x 4304881 Gosner 37-40 1 - 72 mn svL Female 9, 10cm deep): Pagged frog (RAMU)	Survey sta End time (# suba 79 mm	art time: 1550 hhmm): 1621 End East UTM dults #	C or F	Total survey (min) 2.5 ; h UTM # egg masses Air Temp. (1m	above	Wind: Stream order: iseased/checked (((((((((((((Calm Light Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine O @ 64 A) Long-toed salar	Strong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected OS Or F mander (AMMA)
Amphibian observe Stream Start E only: (Amphibian/reptile RA SI Calling? Y N # P5 RE Calling? Y N # Noucher? Y N # RASI Calling? Y N # Calling? Y N # Calling? Y N # Calling? Y N # Woucher? Y N # Water Temp. (.5m f amphibians: mountainereptiles: W aquation	ast UTM species rom shore n yellow-ke	North UTM # adults O748781 × 4304881 Grosner 37-40 -72 mn SVL Female a, 10cm deep): agged frog (RAMU) take (THCO) W. te	Survey sta End time (# suba 79 mm	art time: 1550 hhmm): 1621 End East UTM dults #	C or F	Total survey (min) 2.5 ; h UTM # egg masses Air Temp. (1m	above	Wind: Stream order: iseased/checked (((((((((((((Calm Light Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine O @ 64 A) Long-toed salar	Strong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected OS Or F mander (AMMA)

5	5	0	1	P.
_	_	\sim	_	

Site ID: F	Date: 8/30			pe: Lake			_	Marsh		Perenni	
7.7.0	(mmm-dd-yy)				son: str	eam wide			not found part o	of another water	body
Lake Name:			g Watershe						on language)		
(from map)			akes Chec				IDIS O	+ 	<u>ake Aloh</u>	a Sada	Lle Dams
County:		vation: 15 8 130		East UTN			family for later		lorth UTM: 430		
Topographic Map (ather: Clear				et)ana			site ID; obtain from lax, lake depth		
Peranid Pe		Rain S		valia. Ca	ann ciái	L SHOIIG	source:		n): 0 -5	Team membe	rs.
1						T					
Person recording h Littoral zone substr			nto IV:			Substra	ite transects wi	ith aquat	ic vegetation:		/_
Silt	<	2 mm	2-3	2 mm _		32-64	mm	64-25	56 mm	> 256 mm	bedrock
Shoreline terrestria Silt-64		mposition (1.5 >64-25		al):	> 256 m	ım	groon	loodeolfe	n-h	in a du da la ia	hh
Width (cm) and dep					- 256 H	u111	grass/	/sedge/fo		woody debris	brush ets (width/depth):
(1)/(2)_			•	_ (5)	, ,	6)/_	no inlet				
Fish present in inte			'/	_ (0/		<u>, </u>	110 11116		ish present in out)/ none
(1) Y N ? (2)		3) Y N 2	(4) Y N	2 (5)	ΥN	2 (6)	Y N 2	•	isi presentii ooi i) Y N ? (2)		N V N 2
Distance to first bar			(7)			. (5)			istance to first ba		
	(2)	(3)	(4)	,	(5)		(6)	(1			(3)
Description of fish t				0 m casc	ade")		_ \-/		escription of fish		
	2)	(3)	(4)		(5)		_ (6)	- 1		2)	(3)
UTM coordinates fo	or fish barriers	on inlets:							TM coordinates f		
(1) (2)	(3)		<u> </u>	(5)		(6)	(1) (2	2)	(3)
Photo number(s) fo	r fish barriers	on inlets:	$\overline{}$					PI	hoto number(s) fo		
(1)(2)	(3)	(4)_		(5)		(6)	(1		2)	(3)
Area of suitable spa	wning habitat	on inters (m²):	:					Aı	rea of suitable sp	awning habitat	in outlets (m²):
(1)(2)	(3)	(4)_		(5)		(6)	(1		2)	(3)
Evidence of spawni	ing in inlets:							E	vidence of spawn	ing in outlets:	
(1) Spawning fish	Redds Fr	у Поле	(4) Spawa	ning fish	Redds	Fry	None) Spawning fish		None
(2) Spawning fish		y None	(5) Spaws	ning fish	Redds	Fry	None	(2) Spawning fish	Redds Fry	None
(3) Spawning fish			(6) Spawi	ning fish	Redds	Fry	None	(3) Spawning fish	Redds Fry	None
Area of in-lake spa	wning habitat	at inlets (m²):						Ar	ea of in-lake spa	wning habitat a	at outlets (㎡):
(2)(2)_	(3)	(4)	(5)		(6)		(1)(2)	(3)
Fairy Present i	in lake? Y &	(1) In lake-	associated	nools? Y	(D)	Other Id	ocations?			dogo	iho logatione
· -	n made? Y	_			•		on made? Y	AD)			ibe locations
		OONOCAN				Collecti				on m	
Amphibian observer	دs): DB محا		Survey sta				Total survey of (min) 15	duration:		Cléar Over	
Stream Start E	aet LITM	North UTM	End time (nnmm): (End Easi		No	rth UTM	. 10+			Strong
only:	231 0 114	NOILI O IN	[0110	NO	iai O i wi	31		Color: Clear Turbidity: Clear	
Amphibian/reptile :	species	# adults	# suba	dults	# lai	rvae	# egg masses	s dis	eased/checked		ey Method
RASI - Ad	1+ ()49 m	im, Male		ſ	-,]			Visual)	Trapped
Calling? Y	كالتحفأ	3x4304449 mm,/Male	i					i	7	Aural	Hand Collected
Voucher? Y 🐬 #_	(1) 74914	8×4304455								Dip Net Seine	
	1		-							Visual	Trapped
Calling? Y N			}						ł	Aural	Hand Collected
Voucher? Y N #_							_			Dip Net/Seine	
Collings V N				1					i	Visual	Trapped
Calling? Y N Voucher? Y N #_									I	Aural	Hand Collected
VOUCHERT IN #	 						 			Dip Net/Seine	Transa !
Calling? Y N				- 1				1	I	Visual Aural	Trapped Hand Collected
Voucher? Y N #_								1	i	Aurai Dip Net/Seine	nanu collected
										Visual	Trapped
Calling? Y N	ļ					•			J	Aural	Hand Collected
Voucher? Y N #_							<u></u>	[1	Dip Net/Seine	+51100100
Water Temp. (.5m fr						C or F	Air Temp. (1m			2@ [655 (C) F
amphihiane: mountair		L Co / Ch. R & 41.15	D 151 - 1	Ann. (1 1)/17	\m\ \/		(DUOL) OL		O1 1 HZ 4714		

amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullfrog (RACA) Long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 476 - Pond facing North

(Gruppy)

á												
550 LP								tory Data	Shee	et - 2001		
Site ID:	Date: 🖇	130/1	1		/pe: Lake							phemeral
Pond G	(mmm-d	d-yy)		if not sar	npled, rea:	son: str	eam wid	ening froze	en, dry,	or not found part	of another water body	
Lake Name:			Planning	Watershe	ed:					nmon language)		
(from map)			<u> </u>	kes Chec	klist")			1 D/S	ot	Lake Alt	ha Saddle	Dams
County:		Elevation			East UTM		•	•		North UTM: 43	04462	74
El Dora			<u>8075</u>		7491			(only for lai	kes wio	a site ID; obtain fro	om GPS unit)	
Topographic Ma		Weather	: clear)	Overcast	Wind: Ca	ılm Ligh	t Strong	1.		Max. lake depth	Team members:	
Pranid P	<u>eal</u> s		Rain Si	now				source: -	IACH	(m): 2.1	DB.CS	
Person recording	n habitat int	omation:					Substra	ite transects	with an	uatic vegetation:		
Littoral zone sub			m: ~50 tot	al):			100000		77701 00	dano rogolacom.		All Control of the Co
Silt		< 2 mi		•	32 mm		32-64	mm	64	1-256 mm	> 256 mm	bedrock
Shoreline terrest	rial substra					·					- 200 mm	DEGIOCK
Silt-6	64 mm	<u> </u>	_>64-256	mm		> 256 n	nm	gra	ss/sedg	e/forb	woody debris	brush
Width (cm) and	depth (cm)	of inlets (v	vidth/depth	1):						Width (cm) and d	epth (cm) of outlets (wid	th/depth):
(1)/(2	2)/_	(3)	/(4)	<u>/</u>	(5)	/	(6)/_	noi	nlets	(1)(2)/_ (3)/	none
Fish present in it	nlets?								-	Fish present in ou	utlets?	
(1) Y N ? (2) Y N	? (3) Y	/ N ?	(4) Y I	N ? (5)	Y N	? (6)	Y N ?		(1) Y N ? (2	2) Y N ? (3) Y N	1 ?
Distance to first I	barrier on ir	ilets (m):						AND DESCRIPTION OF THE PARTY OF		Distance to first b	arrier on outlets (m)	
	(2)		(3)	(4)_		(5)	The state of the s	(6)		(1)	(2)(3)	
Description of fis	h barriers c	n inlets: (e	e.g. "2 m f	alls", or "1	10 m casca	ide")				Description of fish	barriers on outlets:	
(1)		(_:-	(4)_		(5)		(6)			(2)(3)	
UTM coordinates	for fish ba	rriers on ir	nlets:		A. Market Control					UTM coordinates	for fish barriers on outle	ts:
(1)	(2)		3)	(4)		_ (5)		(6)		(1)	(2)(3)	
Photo number(s)		riers on in	ilets:							Photo number(s)	for fish barriers on outlet	s:
(1)	(2)	(3)	(4)		(5)		(6)		-	(2)(3)	
Area of suitable :											pawning habitat in outlet	s (㎡):
(1)			3)	(4)_		(5)		(6)			(2)(3)	
Evidence of spay	- 4			=						Evidence of spaw		
(1) Spawning fis				(4) Spaw	-	Redds	•	None		(1) Spawning fish		_
(2) Spawning fis		•		(5) Spaw	•	Redds		None		(2) Spawning fish		=
(3) Spawning fis Area of in-lake s				(6) Spaw	ming tish	Redds	Fry	None		(3) Spawning fish		
1 /				45	(E)		(0)				pawning habitat at outlets	s (m):
()	2)	(3)		4)	(5)		(6)			(1)(2	(3)	
Fairy Prese	nt in lake?	× Ø	in lake-a	ssociated	pools? Y	8	Other is	cations?			describe loca	tions
I	ion made?			n made?	_		Collecti	on made?	Y 🐠		оп тар	
Amphibian obser	ver(s): DB	.65		Survey st	art time:	640		Total surve	ey durat	ion: Weather	Clear Overcast F	Rain Snow
					(հետա)։ խ	_		(min) 5	<u>-</u>	Wind:	Calm Light Strong	>
Stream Start	East UTM	N	orth UTM		End East	UTM	No	rth UTM		Stream order:		Stained
only:	 									<u> </u>		Cloudy
Amphibian/repti	le species	# nc	fults	# suba	adults	# la	rvae	# egg mas	ses	diseased/checked	Survey Metho	od

Amphibian observer(s): DB, L	\$	Survey start time:	1640	Total survey dura	ation: Weathe	er: Clear Overca	st Rain Snow
		End time (hhmm):		(min) 5	Wind:	Calm Light S	trong
Stream Start East UTM only:	North UTM	End Eas	st UTM	North UTM	Stream order:	Color: Clear Turbidity: Clear	
Amphibian/reptile species	# adults	# subadults	# larvae	# egg masses	diseased/checked	Survey	Method
	2 Male					Visual	Trapped
Laining (Y / Ny L	117x4304462					Aural	Hand Collected
Voucher? Y (N) #						Dip New Seine	
-						Visual	Trapped
Calling? Y N						Aural	Hand Collected
Voucher? Y N #						Dip Net/Seine	
					· - · ·	Visual	Trapped
Calling? Y N						Aural	Hand Collected
Voucher? Y N #						Dip Net/Seine	
						Visual	Trapped
Calling? Y N				1		Aural	Hand Collected
/oucher? Y N #						Dip Net/Seine	
						Visual	Trapped
Calling? Y N				1		Aural	Hand Collected
/oucher? Y N #					,	Dip Net/Seine	

Water Temp. (.5m from shore, 10cm deep): |9 @ 1645 Oor F Air Temp. (1m above water): 9 @ 1645 Oor Amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullfrog (RACA) Long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 475-Pand facing SE;

(Grunpy)

550 LP			and rish miveni				
	/3(/((ke Unmapped por		larsh Spring seep		
· · · · · · · · · · · · · · · · · · ·			eason: stream wide		ry, or not found part	of another water bo	ody
Lake Name:		g Watershed:			common language)	C (11)	Α
(from map)		akes Checklist")		10/2 of	Lake Aloh	<u>a saddle</u>	<u> Dams</u>
County: El Dorado	Elevation:	East U	9074		North UTM: 43		
Topographic Map (7.5'):			Calm Light Strong	 	wo a site ID; obtain from Max. lake depth		
	Rain S	1	Caim Light Strong	pH: 6, 4		Team members:	
Pyramid Peak	Kalii s	SHOW		Source. PLAC	H (m): 1.5	100,001	<u> </u>
Person recording habitat info	ormation:		Substra	le transects with	aquatic vegetation:		-
Littoral zone substrate comp		otal):	100000		adado rogolalon.		- ALLES CONTROL OF THE PARTY OF
Silt	< 2 mm	2-32 mm	32-64	mm	64-256 mm	> 256 mm	bedrock
Shoreline terrestrial substrat	e composition (1.5	im; ~50 total):					
Silt-64 mm	>64-25		> 256 mm	grass/se	edge/forb	woody debris	brush
Width (cm) and depth (cm) o	of inlets (width/dep	th):			Width (cm) and d	epth (cm) of outlets	s (width/depth):
(1)/_ (2)/	(3)/(4)/ (5)	/(6)/_	no injets	· 〔 (1)/ (2)/ (3)	/ none
Fish present in inlets?				ACCORDING TO SERVICE OF THE PARTY OF THE PAR	Fish present in ou	ıtlets?	
(1) Y N ? (2) Y N	? (3) Y N ?	(4) Y N ? (5) Y N ? (6)	N ?	(1) Y N ? (2	2) Y N ? (3)	Y N ?
Distance to first barrier on in	lets (m):				Distance to first b	arrier on outlets (m	1)
<u>(1)</u> <u>(2)</u>	(3)	(4)	(5)	(6)	(1)	(2)((3)
Description of fish barriers o	n inlets: (e.g. "2 m	falls", or "10 m ca	cade")		Description of fish	barriers on outlets	s:
(1)(2)	(3)	(4)	(5)	(6)	(1)	(2)((3)
UTM coordinates for fish bar	riers on iniets:					for fish barriers on	outlets:
(1)(2)	(3)	(4)	(5)	(6)			(3)
Photo number(s) for fish ban	riers on inlets:					for fish barriers on	outlets:
(1) (2)	(3)	(4)	(5)	(6)			(3)
Area of suitable spawning ha						pawning habitat in	
(1) (2)	(3)	(4)	(5)	(6)			(3)
Evidence of spawning in inle					Evidence of spaw		
(1) Spawning fish Redds (2) Spawning fish Redds		(4) Spawning fis	· · · · · · · · · · · · · · · · · · ·	None	1	Redds Fry	
	-	(5) Spawning fis(6) Spawning fis	•	None		Redds Fry	
(3) Spawning fish Redds Area of in-lake spawning ha		(6) Spawning its	h Redds Fry	None	(3) Spawning fish	n Redds Fry Dawning habitat at d	
(2)	(3)	(4) (5)	(e)			-	Julieus (III).
(2)	_ (0)	(4)(5)	(6)		[(1)(2	2)(3)	
Fairy Present in lake?	Y 🐧 İn lake-	associated pools?	Y (1) Other lo	cations?		describe	e locations
shrimp Collection made?	Y O Collecti	on made? Y Ń	Collection	on made? Y (r)	on map)
75 - 1-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		0	. Ω Ω Δ	<u></u>			
Amphibian observer(s):		Survey start time		Total survey du (min) 30		r: Clear Overca	
DB, LT, CS Stream Start East UTM	North LITE	End time (hhmm)	eet LUTM No.	th UTM	Wind: Stream order:	Calm Light S Color: Clear	Stained
only:	HOILITOTA		231 0 (10)	ai O i Wi	Sueam order.	Turbidity Clear	Cloudy
Amphibian/reptile species	# adults	# subadults	# larvae	# egg masses	diseased/checked		Method
RASI		1-42mm, femal	4 - Subadult	1		Visual	Trapped
Calling? Y N		1-41 mm, tema	2		`	Aural	Hand Collected
Voucher? Y N #		749097x4304	379 - Subadult			Dip Ne/Seine	
RASI		1-253 MM, VNK	A J LL			Visual	Trapped
Calling? Y N		7491282430432	1			Aurai	Hand Collected
Voucher? Y N #		1-45-50 mm, VN 749122×430431	3-Adult	ļ <u>.</u>		Dip Net/Seine	
RASI		1-30mm				Visual	Trapped
Calling? Y N		749066	Jurenile			Aural	Hand Collected
Voucher? Y N #		430 4445	-	<u> </u>		Dip Net/Seine	
-als						Visual	Trapped
Calling? Y N						Aural	Hand Collected
Voucher? Y N #		ļ	 	<u> </u>		Dip Net/Seine	Transact
Calling? Y N		1		ļ	1	Visual	Trapped
Voucher? Y N #		1				Aural Dip Net/Seine	Hand Collected
Water Temp. (.5m from shore	e. 10cm deep):	15 @ (7925 CorF	Air Temp. (1m a	above water):		2.5 CorF
amphibians: mountain vellow-le			J., V T T		·		

amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullfrog (RACA) Long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 479-pond facing SE; 480-Pond facing SW; 481-pond facing NW; (Grumpy)

Amphibian and Fish Inventory Data Sheet - 2001 550 LP Date: 8/30/((Stream Marsh Spring seep Water type: Lake Unmapped pond Perennial Ephemeral Pond if not sampled, reason: stream widening frozen, dry, or not found part of another water body (mmm-dd-yy) Lake Name: Planning Watershed: Location (use common language) (from map) (from "Lakes Checklist") D/S of Lake Aloha Saddle Dans Elevation: North UTM: 4304567 County: East UTM: 8060 El Dorado m (ft) 0749024 (only for lakes w/o a site ID; obtain from GPS unit) Topographic Map (7.5'): Weather: Clear Overcast Wind: Caim Light Strong pH: 6.4 Max. lake depth Team members: Prramid Peak Rain Snow source: HACH (m): 6.4 DB.EK Person recording habitat information: Substrate transects with aquatic vegetation: Littoral zone substrate composition (3m; ~50 total): < 2 mm 64-256 mm > 256 mm bedrock Shoreline terrestrial substrate composition (1.5m; ~50 total): Silt-64 mm >64-256 mm > 256 mm grass/sedge/forb oody debris Width (cm) and depth (cm) of inlets (width/depth): Width (cm) and depth (cm) of outlets (width/depth): __/___(2)_ _/___(3)___/__(4)_ (5)_ (6)_ (2) Fish present in inlets? Fish present in outlets? (1) Y N ? (2) Y N ? (3) Y N ? (4) Y N ? (5) Y N ? (6) Y N (1) Y N ? (2) Y N ? (3) Y N ? Distance to first barrier on inlets (m): Distance to first barrier on outlets (m) (2)_ Description of fish barriers on inlets: (e.g. "2 m falls", or "10 m cascade"), Description of fish barriers on outlets: (5) (6)(2)_ UTM coordinates for fish barriers on inlets: UTM coordinates for fish barriers on outlets: $(2)_{.}$ (5) (6)(2)_ Photo number(s) for fish barriers on inlets: Photo number(s) for fish barriers on outlets: $(2)_{-}$ $(6)_{...}$ (5) $(2)_{-}$ Area of suitable spawning habitat on inlets (m2): Area of suitable spawning habitat in outlets (nf): (5)(6) Evidence of spawning in iplets: Evidence of spawning in outlets: (1) Spawning fish Redds Fry None (4) 'Spawning fish Redds None (1) Spawning fish Redds Fry None (2) Spawning field Redds Fry None (5) Spawning fish Redds Redds Fry Fry None (2) Spawning fish (3) Spawping fish Redds Fry (6) Spawning fish Redds (3) Spawning fish None Redds Fry None Area of in-lake spawning habitat at inlets (m²): Area of in-lake spawning habitat at outlets (m2): $(3)_{-}$ In lake-associated pools? Y Fairy Present in lake? Y (N) Other locations? describe locations shrimp Collection made? Y Collection made? Y Collection made? Y (N) on map Amphibian observer(s): DB, EK Survey start time: 0920 Total survey duration: Weather: Clear Overcast Rain Snow End time (hhmm):09 55 Calm (Light) Strong (min) 30 Wind: Stream Start East UTM North UTM End East UTM North UTM Stream order: Color: Clear Stained Turbidity: (léa) Cloudy Amphibian/reptile species # adults # subadults # larvae diseased/checked # egg masses Survey Method 1-40mm; RASI SΑ Visual Trapped 748997× Calling? Y 🚯 Aural Hand Collected 4304600 Voucher?Y 🐠# Dip NeVSeine RAST 1-536 mm; Visual > Incidental Incidental Trapped 42 Calling? Y 🛈 749008× Aural Hand Collected $A \rightarrow I$ Voucher? Y 🕦 # <u>4304553</u> エナブ Dip Net/Seine 1-432 m; 1-38 MM 1-38 mm RASI Sub ad. -39 MM (isual) Trapped Calling? Y (N) JW-749026× 7489*88×* 7-49042× 749031× Aural Hand Collected 4304567 Voucher? Y N # 130457-1 4304533 430455 Dip Net/Seine SA Visual Trapped Calling? Y N Aural Hand Collected Voucher? Y N # Dip Net/Seine THEL Visual Trapped

7

Calling? Y N

Voucher? Y N #

Water Temp. (.5m from shore, 10cm deep):

amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullifrog (RACA) Long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Cor F Air Temp. (1m above water):

6 @ 0930

Aural

17

Dip Net/Seine

@ 0930

(Hand Collected

Photos: 438- trib flowing from A to I; 439-letus; 440- Pond facing West ; 441 - facing E; (Grumpy)

Amphibian and Fish Inventory Data Sheet - 2001 Date: 8/30/((Water type: Lake Unmapped pond Stream Marsh Spring seep (Perennia) **Ephemeral** If not sampled, reason: stream widening frozen, dry, or not found part of another water body (mmm-dd-yy) Location (use common language) Lake Name: Planning Watershed: D/s of Late Aloha (from map) (from "Lakes Checklist") Elevation: East UTM: North UTM: 4304552 County: m*(*ft) 8 El Dorado 0748987 (only for lakes w/o a site ID; obtain from GPS unit) Topographic Map (7.5'): Weather: Clean Overcast Wind: Calm (igh) Strong pH: Max. lake depth Team members: Prranid Peak Rain Snow source: (m): 6.4 DB, EK Substrate transects with aquatic vegetation: Person recording habitat information: Littoral zone substrate composition (3m; ~50 total): _< 2 mm 2-32 mm > 256 mm bedrock 64-256 mm Shoreline terrestrial substrate composition (1.5m; ~50 total): grass/sedge/forb woody debris Silt-64 mm >64-256 mm > 256 mm Width (cm) and depth (cm) of outlets (width/depth): Width (cm) and depth (cm) of inlets (width/depth): (1)___/_ (2)_ _/___ (3)___/_ no inlets (2) Fish present in inlets? Field present in outlets? (1) Y N ? (2) Y N ? (3) Y N ? (4) Y N ? (5) Y N ? (6) Y N (1) Y N ? (2) Y N ? (3) Y N ? Distance to first barrier on outlets (m) Distance to first barrier on inlets (m): (2) Description of fish barriers on inlets: (e.g. "2 m falls", or "10 m cascade") Description of fish barriers on outlets: (2)(6) $(2)_{-}$ UTM coordinates for fish barriers on inlets: UTM coordinates for fish barriers on outlets: (2) (6) (2)_ Photo number(s) for fish barriers on inlets: Photo number(s) for fish barriers on outlets: (2) (4)(6)(2)_ Area of suitable spawning habitat on inlets (র্লা): Area of suitable spawning habitat in outlets (nf): $(2)_{-}$ (5) $(6)_{-}$ (2)Evidence of spawning in inlets: Evidence of spawning in outlets: (1) Spawning fish Redds Fry None (4) Spawning fish (1) Spawning fish Redds Fry Redds Fry None None (2) Spawning fish Redds Fry None (5) Spawning fish Redds Fry None (2) Spawning fish Redds Fry (3) Spawning fish Redds Fry None (6) Spawning fish Redds None (3) Spawning fish Redds Fry None Area of in-lake spawning habitat at inlets (㎡): Area of in-lake spawning habitat at outlets (m): (2)_ Present in lake? N In lake-associated pools? Y (N) Fairy Other locations? describe locations shrimp Collection made? Y N | Collection made? Y N Collection made? Y

Amphibian observer(s): DB, E	E4	Survey start time: End time (hhmm):	_	Total survey durati (min) 30	ion: Weather Wind:	Calm Light S	
Stream Start East UTM only:	North UTM			ь итм	Stream order:	Color: Clear Turbidity: Clear	Stained
Amphibian/reptile species	# adults	# subadults	# larvae	* agg masses	diseased/checked	Survey	Method
RAST - Tadpole Calling? Y W /oucher? Y W #			748955×4304551	3-570,65-40-41 748840×4304451 1-7800,65-42	1 = 75 mm, 65-41 (71:8971×4304522	Visual Aural Dip Net/Seine	Trapped Hand Collected
RKSI - Metamor Ph Calling? Y Ø /oucher? Y Ø #			-Melamorph 69mm w/ta;l, 248937-X 4304583			Visual Aural Dip Net Seine	Trapped Hand Collected
RAST - Juvenile Calling? Y O /oucher? Y O #		1-530mm 748133×4304590	1-3 <i>0</i> ~^ 74 <i>8</i> 9 80× 430454			Visual Aural Dip Net/Seine	Trapped Hand Collected
HEL Calling? Y N //oucher? Y N #		ì				Visual Aural Dip Net/Seine	Trapped Hand Collected
PSRE Calling? Y (N) #			Jt.			Visual Aural Dip Net/Seine	Trapped Hand Collected

amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullfrog (RACA) Long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 442 - Pond facing W; 443 +44 - Metamorph; 445 - pond facing w; 447 - outflow of pund; (Grumpy) 448 + 448 - Pond facing N+E from outflow; 450-last tadpole

550 LP		Ampni								
Site ID: Date: 8/	•		•			Stream			Perennial of another water b	
Lake Name:		g Watershe					common lang			
(from map)		akes Chec				0/5 0	^ .	:	a Saddle	Dans
County:	Elevation: m fb 8089		East UTM			(only for lakes	North U	лтм: 43	04608	
	Weather: Clear					 			Team members	
Pyranid Peak	Rain S		VVIIIG. CE	III LEIGH	Ou Ong	source: HA			I	-
TYTUMION TEAN	1,011		<u> </u>			Source. III-c	41 N. O.	10	1 00 ~ H	
Person recording habitat info	ormation:				Substrat	te transects wit	h aquatic veg	etation:		_
Littoral zone substrate comp	oosition (3m; ~50 to	•							- 050	- I de la constante
	< 2 mm		32 mm		32-64 i	mm	64-256 mm		> 256 mm	bedrock
Shoreline terrestrial substrat	•		•	> 256 m		gracele	sedge/forb		woody debris	haich
Width (cm) and depth (cm) of	>64-256			200 m	m	yı assıra			epth (cm) of outlet	brush
(1) / (2) /		•	(5)	, ((6)/_	no inlet:	4			
Fish present in inlets?	. (3)/	<u>"——</u>	_ (\(\forall \)	 `	<u>0)'_</u>			esent in out		/ none
(1) Y N ? (2) Y N	2 (3) Y N 2	(4) Y 1	J 2 (5)	V N	2 (6) Y	/ N 2) Y N ? (3)	V N 2
Distance to first barrier on in		(7)	1 10,	1 17	! (0, .				arrier on outlets (r	
(1) (2)	(3)	(4)_		(5)		(6)	(1)			(3)
Description of fish barriers of			0 m casca	(<u>~/</u> ade")		(0)			barriers on outlet	` ***
(1)(2)				ر (5) سر (5)		(6)	(1)			(3)
UTM coordinates for fish bar				- Andrews		1-7			for fish barriers or	
(1)(2)	(3)	(4)		(5)		(6)				(3)
Photo number(s) for fish ban						\·/			or fish barriers on	· · · · · · · · · · · · · · · · · · ·
(1)(2)	(3)	(4)_		(5)		(6)	1	٠,		(3)
Area of suitable spawning ha								suitable sp	pawning habitat in	
•	(3)	(4)		(5)		(6)	(1)			(3)
Evidence of spawning in inle	AS.								ning in outlets:	
(1) Spawning fish Redds		(4) Spaw	ming fish	Redds	Fry I	None		wning fish	-	None
(2) Spawning fish Redds		(5) Spaw	ning fish	Redds	Fry I	None	(2) Spa	wning fish	Redds Fry	None
(3) Spawning fish Redds		(6) Spaw	ming fish	Redds	Fry I	None	1	wning fish	-	None
Area of in-lake spawning ha	bitat at inlets (㎡):						Area of	in-lake spa	awning habitat at	outlets (m²):
(2)	(3)	(4)	(5)		(6)		(1)	(2)	(3)	
D	v 🐼 la lale		:I-0 V	200					4	
Fairy Present in lake?		associated	pools? Y	(N)	Other loa				descri	be locations
	27.		. Co.	9			△			
shrimp Collection made?	Y (1) Collection	on made?	Y (N)				N)		on maj	<u>p</u>
		on made? Survey sta			Collection		<u> </u>	Weather:	on map	
Amphibian observer(s): 96 ,	EK	Survey sta	art time: \(\) (hhmm): \	030 045	Collection	Total survey of (min) \S	duration:	Wind:	Clear Overca	ast Rain Snow
Amphibian observer(s): 98, Stream Start East UTM	EK	Survey sta	art time: \	030 045	Collection	on made? Y	<u> </u>	Wind:	Clear Overca Calm Light S Color: Clear	ast Rain Snow Strong Stained
Amphibian observer(s): 96, Stream Start East UTM only:	EK North UTM	Survey sta End time	art time: \(\frac{1}{2}\) (hhmm): \(\frac{1}{2}\) End East	030 045 UTM	Collection	Total survey of (min) \S	duration:	Wind: order:	Clear Overca	ast Rain Snow Strong Stained
Amphibian observer(s): 98, Stream Start East UTM only: Amphibian/reptile species	EK	Survey sta	art time: \(\) (hhmm): \(\) End East adults	030 045 UTM	Collection	Total survey of (min) \S	duration:	Wind: order: checked	Color: Clear Turbidity: Clear Survey	ast Rain Snow Strong Stained Cloudy Method
Amphibian observer(s): 98, Stream Start East UTM only: Amphibian/reptile species PSRE	EK North UTM	Survey sta End time	art time: \(\) (hhmm): \(\) End East adults	030 045 UTM	Collection	Total survey of (min) \S th UTM	duration:	Wind: order: checked	Color: Clear Color: Clear Turbidity: Clear Survey Visual	ast Rain Snow Strong Stained Cloudy Method Trapped
Amphibian observer(s): 98, Stream Start East UTM only: Amphibian/reptile species PSRE Calling? Y	EK North UTM	Survey sta End time	art time: \(\) (hhmm): \(\) End East adults	030 045 UTM	Collection	Total survey of (min) \S th UTM	duration:	Wind: order: checked	Color: Clear Color: Clear Turbidity: Clear Survey Visual Aural	ast Rain Snow Strong Stained Cloudy Method
Amphibian observer(s): 98, Stream Start East UTM only: Amphibian/reptile species PSRE Calling? Y 9 Voucher? Y 10 #	EK North UTM	Survey sta End time	art time: \(\) (hhmm): \(\) End East adults	030 045 UTM	Collection	Total survey of (min) \S th UTM	duration:	Wind: order: 'checked	Color: Clear Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine	Strong Stained Cloudy Method Trapped Hand Collected
Amphibian observer(s): 98, Stream Start East UTM only: Amphibian/reptile species PSRE Calling? Y 9 Voucher? Y 10 #	EK North UTM	Survey sta End time	art time: \(\) (hhmm): \(\) End East adults	030 045 UTM	Collection	Total survey of (min) \S th UTM	duration:	Wind: order: 'checked	Color: Clear Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual	ast Rain Snow Strong Stained Cloudy Method Trapped Hand Collected Trapped
Amphibian observer(s): 98, Stream Start East UTM only: Amphibian/reptile species PSRE Calling? Y 9 Voucher? Y N # THEL Calling? Y N	EK North UTM	Survey sta End time	art time: \(\) (hhmm): \(\) End East adults	030 045 UTM	Collection	Total survey of (min) \S th UTM	duration:	Wind: order: /checked	Color: Clear Overca Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net Seine Visual Aural	Strong Stained Cloudy Method Trapped Hand Collected
Amphibian observer(s): 98, Stream Start East UTM only: Amphibian/reptile species PSRE Calling? Y 9 Voucher? Y 0 #	EK North UTM	Survey sta End time	art time: \(\) (hhmm): \(\) End East adults	030 045 UTM	Collection	Total survey of (min) \S th UTM	duration:	Wind: order: 'checked	Color: Clear Color: Clear Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual Dip Net/Seine	Strong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected
Amphibian observer(s): 98, Stream Start East UTM only: Amphibian/reptile species PSRE Calling? Y 9 Voucher? Y N # THEL Calling? Y N	EK North UTM	Survey sta End time	art time: \(\) (hhmm): \(\) End East adults	030 045 UTM	Collection	Total survey of (min) \S th UTM	duration:	Wind: order: 'checked	Color: Clear Overca Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net Seine Visual Aural	Strong Stained Cloudy Method Trapped Hand Collected Trapped
Amphibian observer(s): 98, Stream Start East UTM only: Amphibian/reptile species PSRE Calling? Y P Voucher? Y P Calling? Y V Voucher? Y N #	EK North UTM	Survey sta End time	art time: \(\) (hhmm): \(\) End East adults	030 045 UTM	Collection	Total survey of (min) \S th UTM	duration:	Wind: order: 'checked	Color: Clear Overca Calm Light S Color: Clear Turbidity: Clear Survey Visual Aural Dip Net/Seine Visual Dip Net/Seine Visual	Strong Strong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped
Amphibian observer(s): 98, Stream Start East UTM only: Amphibian/reptile species PSRE Calling? Y P Voucher? Y P Calling? Y N Calling? Y N	EK North UTM	Survey sta End time	art time: \(\) (hhmm): \(\) End East adults	030 045 UTM	Collection	Total survey of (min) \S th UTM	duration:	Wind: order: 'checked c	Color: Clear Overca Calm Light S Color: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Aural Dip Net/Seine Visual Aural	Strong Strong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped
Amphibian observer(s): 98, Stream Start East UTM only: Amphibian/reptile species PSRE Calling? Y P Voucher? Y P Voucher? Y P Voucher? Y N # Calling? Y N	EK North UTM	Survey sta End time	art time: \(\) (hhmm): \(\) End East adults	030 045 UTM	Collection	Total survey of (min) \S th UTM	duration:	Wind: order: 'checked	Color: Clear Overca Calm Light S Color: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Dip Net/Seine	Strong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected
Amphibian observer(s): 96, Stream Start East UTM only: Amphibian/reptile species PSRE Calling? Y P Voucher? Y P Voucher? Y P Calling? Y N Voucher? Y N #	EK North UTM	Survey sta End time	art time: \(\) (hhmm): \(\) End East adults	030 045 UTM	Collection	Total survey of (min) \S th UTM	duration:	Wind: order: 'checked	Color: Clear Overca Calm Light S Color: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual	ast Rain Snow Strong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Trapped Trapped Trapped Trapped Trapped Trapped
Amphibian observer(s): 98, Stream Start East UTM only: Amphibian/reptile species PSRE Calling? Y P Voucher? Y P Voucher? Y P Calling? Y N Voucher? Y N # Calling? Y N Voucher? Y N #	EK North UTM	Survey sta End time	art time: \(\) (hhmm): \(\) End East adults	030 045 UTM	Collection	Total survey of (min) \S th UTM	duration:	Wind: order: 'checked	Color: Clear Overca Calm Light S Color: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	Strong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped
Amphibian observer(s): 98, Stream Start East UTM only: Amphibian/reptile species PSRE Calling? Y P # Calling? Y N # Calling? Y N # Calling? Y N # Calling? Y N # Calling? Y N # Calling? Y N # Calling? Y N # Calling? Y N # Calling? Y N #	EK North UTM	Survey sta End time	art time: \(\) (hhmm): \(\) End East adults	030 045 UTM	Collection	Total survey of (min) \S th UTM	duration:	Wind: order: 'checked	Color: Clear Overca Calm Light S Color: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	Strong Strong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected
Amphibian observer(s): 98, Stream Start East UTM only: Amphibian/reptile species PSRE Calling? Y P Voucher? Y P Voucher? Y P Calling? Y N Voucher? Y N # Calling? Y N Voucher? Y N #	North UTM # adults	# suba	art time: \(\) (hhmm): \(\) End East adults	030 04 S EUTM #la	Nor	Total survey of (min) \S th UTM	Stream diseased/	Wind: order: 'checked	Color: Clear Overca Calm Light S Color: Clear Survey Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine Visual Aural Dip Net/Seine	ast Rain Snow Strong Stained Cloudy Method Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped Hand Collected Trapped

Water Temp. (.5m from shore, 10cm deep): 16 @ 10 45 (C) or F Air Temp. (1m above water): 19 @ 10 40 (C) amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullfrog (RACA) Long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 446 - Facing NW (grumpy)

Amphibian and Fish Inventory Data Sheet - 2001 Date: 8/30/11 Water type: Lake Unmapped pond Stream Spring seep Perennial Ephemera (mmm-dd-yy) If not sampled, reason: stream widening frozen, dry, or not found part of another water body Lake Name: Planning Watershed: Location (use common language) (from map) (from "Lakes Checklist") ate Alsha Saddle Dans Elevation: East UTM: County: North UTM: 4304889 El Dorado 749066 m (ft) (only for lakes w/o a site ID; obtain from GPS unit) opographic Map (7.5'): Weather: Clear Overcast Wind: Calm (Light) Strong pH: 6.2 Max. lake depth Team members: Pyramid Peak Rain Snow source: HACH (m): D.6 Person recording habitat information: Substrate transects with aquatic vegetation: Littoral zone substrate composition (3m; ~50 total): _< 2 mm > 256 mm 2-32 mm 32-64 mm 64-256 mm bedrock Shoreline terrestrial substrate composition (1.5m; ~50 total): Silt-64 mm grass/sedge/fgd >64-256 mm > 256 mm woody debris Width (cm) and depth (cm) of inlets (width/depth): Width (cm) and depth (cm) of outlets (width/depth): ___(3)____/_ (1)___/__(2)_ no infets _/___ (2)_ Fish present in inlets? Fish present in outlets? (1) Y N ? (2) Y N ? (3) Y N ? (4) Y N ? (5) Y N ? (6) (1) Y N ? (2) Y N ? (3) Y N ? Distance to first barrier on inlets (m): Distance to first barrier on outlets (m) $(2)_{-}$ (6) $(2)_{-}$ Description of fish barriers on inlets: (e.g. "2 m falls", or "10 m cascade") Description of fish barriers on outlets: (2)(6) UTM coordinates for fish barriers on inlets: UTM coordinates for fish barriers on outlets: (5)(6) $(2)_{-}$ Photo number(s) for fish barriers on inlets: Photo number(s) for fish barriers on outlets: (2)(5)(6) $(2)_{-}$ Area of suitable spawning habitat on inlets (m2): Area of suitable spawning habitat in outlets (m²): (2)(4) (5)(6) $(2)_{.}$ Evidence of spawning in inlets: Evidence of spawning in outlets: (1) Spawning fish (4) Spawning fish Redds Fry None (1) Spawning fish Redds Fry (2) Spawning fish Redds Fry (5) Spawning fish Redds Fry None (2) Spawning fish Redds Fry (3) Spawping fish Redds Fry None (6) Spawning fish Redds Fry None (3) Spawning fish Redds Fry Area أو in-lake spawning habitat at inlets (m²): Area of in-lake spawning habitat at outlets (m): Present in lake? Y In lake-associated pools? Y Fairy Other locations? describe locations Collection made? Y N shrimp Collection made? Y Collection made? Y (N) on map

Amphibian observer(s): DB,C	5	Survey start tim	e: 14 3 3	Total survey dura	ition: Weathe	r: Clear Overca	st Rain Snow
•		End time (hhmn	n): 14 <i>5</i> 3	(min) 18 mia	Wind:	Calm (Light) S	trong
Stream Start East UTM only:	North UTM	End	East UTM N	North UTM	Stream order:	Color: Clear Turbidity: Clear	
Amphibian/reptile species	# adults	# subadults	# larvae	# egg masses	diseased/checked	Survey	Method
PSRE .	-		30 + 500			Visual	Trapped
Calling? Y 🕦						Aural	Hand Collected
Voucher? Y (N) #						Dip Net/Seine	
THEL		HT T				Visual	Trapped
Calling? Y 🐠						Aural	Hand Collected
/oucher? Y (N) #						Dip Net/Seine	
1					+	Visual	Trapped
Calling? Y N						Aural	Hand Collected
/oucher? Y N #						Dip Net/Seine	
						Visual	Trapped
Calling? Y N						Aurai	Hand Collected
/oucher? Y N #						Dip Net/Seine	
						Visual	Trapped
Calling? Y N				1		Aurai	Hand Collected
/oucher? Y N #						Dip Net/Seine	_

amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullfrog (RACA) Long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 457-facing South; 458-North; (Grumpy)

5	ς,	0	1.	P
_	_	_	-	

Site ID: Date: 6			e (Unmapped pon		sh Spring seep		Ephemeral
Lake Name:	Planning V		son: stream wide		or not found part	of another water b	ody
(from map)	I -	vatersneu: es Checklist")		Location (use cor	Lake Alok	. < . 111	
County:	Elevation:		M: 0 749005	1013 01			z vams
El Dorado	m (A) 8135	East UT	W: 0 747003		North UTM: 43		
	Weather: Clear Dv				a site ID; obtain fro		
Topographic Map (7.5'):	The same of the sa		alm Light Strong	pH: 6,4	Max. lake depth	Team members:	
Pround feak	Rain Sno	w		source: HACH	(m). (J. +3	DB, CS	
Danner seessiine hekitet in	fa-matian.		Out at a				
Person recording habitat in Littoral zone substrate com		· · · · · · · · · · · · · · · · · · ·	Substra	te transects with ac	uatic vegetation:		
	< 2 mm): 2-32 mm	32-64	mm64	4-256 mm	> 256 mm	bédrock
Shoreline terrestrial substra	ite composition (1.5m;	~50 total):					
Silt-64 mm	>64-256 m	nm	_ > 256 mm	grass/sedg	ge/forb	woody debris	brush
Width (cm) and depth (cm)	of inlets (width/depth):				Width (cm) and de	pth (em) of outlets	s (width/depth):
(1)/(2)/	(3) / (4)	/(5)	_/(6)/_	no inlets	(1)/(2)	<u>/(3)</u>	/ none
Fish present in inlets?					Fish present in ou	tlets?	
(1) Y N ? (2) Y N	? (3) Y N ? (4) Y N ? (5)	Y N ? (6) \	(N ?	(1) N ? (2) Y N ? (3)	YN?
Distance to first barrier on in				<i></i>	Distance to first ba		
(1)(2)	(3)	(4)	(5)	(6)	(1)(2)	, (3)
Description of fish barriers of				- The state of the	Description of fish		
(1)(2)	(3)	(4)	(5)	(6)	1		(3)
UTM coordinates for fish ba	rriers on inlets:		And the second second		UTM coordinates		
(1)(2)	(3)	(4)	<u>(5)</u>	(6)	1		(3)
Photo number(s) for fish bar	rriers on inlets:				Photo number(s) f		· /————
(1)(2)	(3)	44	(5)	(6)			3)
Area of suitable spawning h			(-/	(-)	Area of suitable s		
(1)(2)	(3)	(4)	(5)	(6)		_	3)
Evidence of spawning in inle		. \ /		(5)	Evidence of spawn		<u></u>
(1) Spawning fish Redgs	And the second second) Spawning fish	Redds Fry	None	(1) Spawning fish	-	None
(2) Spawning fish Redds) Spawning fish	•	None	(2) Spawning fish	•	None
(3) Spawning fish Redds) Spawning fish	•	None	(3) Spawning fish	•	None
Area of in-lake spawning ha		7 Openting harr	Redus 119	140110	Area of in-lake sp		
(2)	(3)(4)	(5)_	(6)		1	-	odiets (III).
(2)		(3)_	(6)		j(1)(2	(3)	
Fairy Present in lake?	Y in lake-ass	ociated pools?	(N) Other lo	cations?	~`\	describ	e locations
shrimp Collection made?)69° ()		}	on made? Y	1	on map	
		10-		ATTITUDE: 1 PTV	· · · · · · · · · · · · · · · · · · ·		
Amphibian observer(s):	Si	urvey start time:	1325	Total survey durat	tion: Weather	Clear Overes	
DB, 65		nd time (hhmm):		(min) 20	Wind:	Calm Light S	
Stream Start East UTM	North UTM	End Eas	it UTM Nor	th UTM	Stream order:	Color: Clear	Stained +
only:					<u> </u>	Turbidity: Clear	Cloudy
Amphibian/reptile species	# adults	# subadults	# larvae	# egg masses	diseased/checked_	Survey	
RASI	1-Male, \$50mm,					Visual	Trapped
Calling? Y N	4304988	i		}		Aural	Hand Collected
Voucher? Y N #						Qip Net Seine	
RAST V N	1- Female = SOm				1 '	Visual)	Trapped
Calling? Y N	748995×					Aural	Hand Collected
Voucher? Y N #	4304901					Dip Net/Seine	
Collings V N						Visual	Trapped
Calling? Y N		;				Aural	Hand Collected
Voucher? Y N #	 				-	Dip Net/Seine	Tennasi
Calling? Y N	·	/				Visual	Trapped
Voucher? Y N #						Aural	Hand Collected
VOUGIEIT IN #	 			<u> </u>	-	Dip Net/Seine	Tennaci
Calling? Y N				-		Visual Aural	Trapped
Voucher? Y N #						Aurai Dip Net/Seine	Hand Collected
Water Temp, (.5m from shor	e. 10cm deen\	15.5 @ 13	ાયુ 🖒 F	Air Temp. (1m abo	ve water): "		D 62=
vvater remp. (.om πom snor amohibians: mountain vellow-						0 @ 133	

amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullfrog (RACA) Long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: WSI - Pond Facing SE;

(GCUMPY)

* Photo 3 323-396 sweety

350 LT								ta Snee				
Site ID:	Date: 8/3//	111	Water ty	rpe: Lake	e (Unma	apped por	Stre	am Mars	sh Spr	ing seep	erennia	Ephemeral
roud O	(mmm-dd-yy)		If not sar	npled, rea	son: st	ream wide	ening fro	ozen, dry, o	or not fou	und part	of another water	
Lake Name: Po	nd o	Planning	Watershe	ed:			Locatio	n (use con	nmon lan	guage)		
(from map) La	Lee Aloho	(from "La	akes Chec	klist")			0/5	of L	ale	Aloh	a Saddle	no ens
County:	Elevation	on:		East UTI	VI:				North L	JTM: 42	304734	2000020
El Dorad	a mad	81/5	•	7496	149 ×		(only for	lakes w/o	a site ID:	: obtain fro	m GPS unit)	
Topographic Map (er Clear	Overcast								Team members	ķ.
Rusamid Pe		Rain S		50			source:				BZ, FK	
						, <u> </u>			14	75	15-776-	, , ,
Person recording h	abitat information	: E.3	rt 1-f-4	_		Substra	te transe	cts with aq	uatic veo	etation:		
Littoral zone substr										,0.0.001	-	
Silt	<2л			32 mm		32-64	mm	64	l-256 mm	1	> 256 mm	bedrock
Shoreline terrestria									200 1111		- 200 11111	Dediock
5 Silt-64		>64-256		most	> 256 n	nm	15	grass/sedg	elforh		woody.elebris	5 harvah
Width (cm) and deg		-			- 200 (<u>, , , , , , , , , , , , , , , , , , , </u>	i assiseug				brush brush:
	/(3)	•)/	(5)	,	(6) /	-	o inlata	1	-	Same .	
Fish present in inle			<i></i>	(3)		(0)/_	<u> </u>	o inlets	<u>(1)</u>	(2)		/ none
		V M A	(A) V k		V 1	0 (0))				esent in ou		
(1) Y (N) A (2)	1 N 7 (3)	T N ?	(4) T F	N (5)	<u> Y N</u>	7 (6)	Y N ?	-) Y N ? (3)	
Distance to first bar			445					A STATE OF THE PARTY OF THE PAR	Distanc		arrier on outlets (m)
	(2)	(3)	(4)_		 (5)		(6)		<u> (1)</u>		2)	(3)
Description of fish I				0 m casc	ade")				1	tion of fish	barriers on outle	ts:
	2)	(3)	(4)_		(5)	AND STATE OF THE PARTY OF THE P	(6)		J ⁽¹⁾		2)	(3)
UTM coordinates for						-			1	ordinates	for fish barriers o	n outlets:
777		(3)	(4)		(5)		(6)		(1)	(2)	(3)
Photo number(s) fo	r fish barriers on i	inlets:	1	The state of the s					Photo n	iumber(s) f	or fish barriers or	n outlets:
(1)((3)	<u></u>		(5)		(6)		(1)		2)	(3)
Area of suitable spa	wning habitat on	inlets (nt)							Area of	suitable sp	awning habitat ir	n outlets (m²):
(1)(2)	(3)	(4)		(5)		(6)		(1)	(2)	(3)
Evidence of spawni	ing in inlets:								Evidenc	e of spawi	ning in outlets:	
(1) Spawning fish	Redds	None	(4) Spaw	ning fish	Redds	Fry	None		(1) Spa	wning fish	Redds Fry	None
(2) Spawning fish	Redds Fry	None	(5) Spaw	ning fish	Redds	Fry	None		(2) Spa	wning fish	Redds Fry	None
(3) Spawning tish	Redds Fry	None	(6) Spaw	ning fish	Redds	Fry	None		(3) Spa	wning fish	Redds Fry	None
Area of fin-lake spa	wning habitat at ir	nlets (m²):									awning habitat at	outlets (m):
(2)	(3)	((4)	(5)		(6)			(1)	(2)	(3)	• •
		7			\overline{A}							
	in lake?Y 🐠_		ssociated		(A)		cations?	_			descri	be locations
shrimp Collection	made? Y/N	Collectio	n made?	YN		Collection	on made?	YN)	_	on ma	р .
Amphibian observe	r(e): P7. 1-12		Cup ou of	ant times			T-4-1			100 c = 11	(6)	
Amphibian observe	(a) DE, CK	15)	Survey sta	/hhann)	292 C)	I	rvey durati			Clear Overc	
Stream Start E	act LITM N	Morth JTM	End unie	End Eas	<u>)940</u>	No	(min) th UTM	15 MIL			Calm (Light)	
only:	ast O TW	VOIGI O I W	ľ	Liiu Las	COTIVI	INOI	ut O tivi		Stream	order:	Color: Clear Turbidity: Clear	
Amphibian/reptile	eneries #a	dults.	# suba	dulte	# 10	ırvae	# 000 0		diseased/	ahaalaad		
PAMU		49049		iddits]	# 10	II VAG	# egg m	85565	uiseaseu/			Method
Calling? Y N	1,		/ */×	!						_	Visual Aural	Trapped Hand Collected
Voucher? Y (N) #	X4:	304734										Hand Collected
							 		<u> </u>		Dip Net/Seine Visual	Transad
Calling? Y N	1						[Aurai	Trapped Hand Collected
Voucher? Y N #_							ŀ				Dip Net/Seine	nand Collected
							 				Visual	Trapped
Calling? Y N	ļ	ļ									Aural	Hand Collected
Voucher? Y N #_	<u>f</u>	j		ļ							Dip Net/Seine	HANG COHECIE
							 				Visual	Trapped
Calling? Y N	1	ŀ									Aural	Hand Collected
Voucher? Y N #		1						ł			Dip Net/Seine	riano conected
						·					Visual	Trapped
Calling? Y N	l	ļ				i	1			i	Aural	Hand Collected
Voucher? Y N #_		ľ					<u> </u>	Į			Dip Net/Seine	. ISTIG CONSCIEG
Water Temp. (.5m fr	om shore, 10cm	deep):	11.9	@	1	C/or F	Air Temp	o. (1m abov	ve water		.5 @	C or F
amphibians: mountai							(BUCA)	CA newt /T	ATO) bu	llfrog (RAC		mander (AMMA)
reptiles: W. aquatic	garter snake (TH	CO) W. te.	restrial oa	rter snak	e (THFL)	commor	, v n garter si	nake (THS	11 W no	nd turtle (C	·, was wood sales	

fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

* * 35 mm metamorph @ Nearby Puldle under vock ledge between N & O

U+ M= 10749031 x 4304722

Subadult

550 LP		Amph	ibian a	nd Fish	Invent	ory Data Shee	t - 2001		
Site ID: Date: 8	3130/11					Stream Mars			
Lake Name:		μπ not sar Watershe	•	ison: str	eam wide	Location (use con		nt of another water t	ody
(from map)	1	akes Chec						a Saddle	Dam <
County:	Elevation:		East UT	M:		11/2 0.		304725	CANTO 3
El Dorado	m @ 814	.1	749	196	_	(only for lakes w/o			
Topographic Map (7.5'):	Weather Clear	Overcast			t Strong	pH: 6.4	Max. lake depti		S.
Prramid leak	Rain S	now				source: HACH	(m): 0,6	DB, CS	
Person recording habitat inf	formation:	-			Substrat	e transects with aq	uatic vegetation:		400
Littoral zone substrate comp	position (3m; ~50 to	tal):						 ·	
	< 2 mm		32 mm _		32-64	mm64	-256 mm	> 256 mm	bedrock
Shoreline terrestrial substra	-		al):					A STATE OF THE STA	
Silt-64 mm	>64-256			_ > 256 n	<u> </u>	grass/sedg	1	woody debris	brush
Width (cm) and depth (cm)		•	(E)	,	/e\	na inlete		deptin (cm) of outle	• •
(1)/ (2)/_ Fish present in inlets?	(3)(6	<u>")</u>	(5)		(<u>0)/</u> _	no inlets	Fish present in	(2)/(3)_ outlete?	/ none
(1) Y N ? (2) Y N	? (3) Y N ?	(4) Y I	V ? (5)	YN	? (6) \	' N ?		(2) Y N ? (3)	Y N 2
Distance to first barrier on in		<u> </u>	10/		. (0)			barrier on outlets (r	
(1)(2)	(3)	(4)_		(5)		(6)	(1)	(2)	(3)
Description of fish barriers of	on inlets: (e.g. "2 m		0 m casc	ade")			Description of f	sh barriers on outle	
(1) (2)	(3)	(4)	·	(5)		(6)	(1)	(2)	(3)
UTM coordinates for fish ba							UTM coordinate	es for fish barriers of	n outlets:
(1)(2)	(3)	(4)		(5)		(6)	(1)	(2)	(3)
Photo number(s) for fish bar							1	s) for fish barriers or	outlets:
(1) (2) Area of suitable spawning h	(3)	(4)_		(5)		(6)	(1)	(2)	(3)
(1) (2)	(3)	(4)		(5)		(6)	(1)	spawning habitat in	
Evidence of spawning in inle		(7)_		(3)		(0)		(2) wning in outlets:	(3)
(1) Spawning fish Redds		(4) Spaw	mina fish	Redds	Fry	None	1 .	sh Redds Fry	None
(2) Spawning fish Redds		(5) Spaw	-	Redds	-	None	(2) Spawning fi	•	None
(3) Spawning fish Redds		(6) Spaw	-		•	None	(3) Spawning fi	-	
Area of in-lake spawning ha	abitat at inlets (m²):			-			Area of in-lake	spawning habitat at	outlets (m²):
(2)	(3)	(4)	(5)		(6)		(1)	(2)(3)_	
Fairy Present in lake?	Y (1) In lake-s	associated	nools2 V	(D)	Other Io	cations?		dosoril	oe locations
shrimp Collection made?		on made?	4	W]	on made? Y			
· · · · · · · · · · · · · · · · · · ·					Conecuc	i i i i i i i i i i i i i i i i i i i		on ma	
Amphibian observer(s): $\mathcal{D}\mathcal{B}$	165	Survey st				Total survey durati		er: Clear Overc	
Stroom State Facilities	March 1974	End time	(hhmm): End Eas		Na	(min) 30	Wind:		
Stream Start East UTM only:	North UTM		End Eas	I O HVI	NOI	th UTM	Stream order:	Color: Clear Turbidity: Clear	
Amphibian/reptile species	# adults	# suba	adults	# la	irvae	# egg masses	diseased/checked		Method
RASI-Juraile		~30mm						(Visua)	Trapped
Calling? Y N	0	7492000 90 mm	(1301172)	>				Aural	Hand Collected
Voucher? Y (1) #	۲,	749204×4	304716					Dip Net/Seine	
RASI -Sub adult	44ma Female 749208x4304745	-5A						Visual	Trapped
Calling? Y N Voucher? Y N #	41 mm, FRMALE	۲,						Aural Dip Net/Seine	Hand Collected
	749224x4304717 48mm Female							Visual	Trapped
Calling? Y N	48 mm, Female 749218x4304726							Aural	Hand Collected
Voucher? Y N #								Dip Net/Seine	
THEL	1-eating							Visual	Trapped
Calling? Y N	tadpole							Aural	Hand Collected
Voucher? Y N #	(LZSZI)							Dip Net/Seine	T
Calling? Y N								Visual Aural	Trapped Hand Collected
Voucher? Y N #								Dip Net/Seine	. Idira Collected
Water Temp. (.5m from shore	e, 10cm deep):	24	@ (.	510	C or F	Air Temp. (1m abo	ve water):	23 @ 15	O Oor F

amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullfrog (RACA) Long-toed salamander (AMMA)

reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA)
fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 459 - outlet of P flowing into A; 460-Pond Racing East; 461+62-2nd juv.;

(grumpy) 463-469-from Photos;

550 LP		Amphibian a	ınd Fish Inven	tory Data She	et - 2001		
Site ID: Date: ¿	18/31/11		ke Unmapped poi		rsh Spring seep	erennial Ephemeral	
PUNE (mmm-	dd-yy) ^y		ason: stream wide			of another water body	
Lake Name: Pond Qu		Watershed:			mmon language)		
(from map) Lake At		akes Checklist")		1015 of	Lake Alo	ha Saddle Dams	
County:	Elevation:	East U]			North UTM: 4	304585	
E Dorado	m @ 8100		148852		o a site ID; obtain fr	om GPS unit)	- 1
Topographic Map (7.5');			alm Light Strong	pH: 6, 4	Max. lake depth		
Priamid Peak	Rain S	now		source: HACH	1 (m): 75	BZ, EK, ES	
Paragraphics habitet is	for S						
Person recording habitat in Littoral zone substrate com		tal)·	Substra	ite transects with a	quatic vegetation:	The second secon	***
_	< 2 mm	2-32 mm _	32.64	mm C	4 950 mm	200	
Shoreline terrestrial substr			32-64	111111	4-256 mm	> 256 mmbedrock	
Silt-64 mm	======================================	•	> 055			CHARGE THE PARTY OF THE PARTY O	
Width (cm) and depth (cm)			_ > 256 mm	grass/sed		_woody debrisbrush	
					Width (cm) and c	epth (cm) of outlets (width/depth):	
	(3)/(4	·)/(5)	_/(6)/_	no inlets	(1) (2		
Fish present in inlets?	0 (0) 14 11 =	//			Fish present in o		1
(1) Y N ? (2) Y N		(4) Y N ? (5) Y N ? (6) '	Y N ?		2) Y N ? (3) Y N ?	
Distance to first barrier on i				N. S. C. C. C. C. C. C. C. C. C. C. C. C. C.	Distance to first b	parrier on outlets (m)	
(1) (2)	(3)	(4)	(5)	(6)		(2)(3)	
Description of fish barriers			cade")		Description of fish	n barriers on outlets:	
1)(2)	(3)	(4)	(5)	(6)		(2)(3)	1
JTM coordinates for fish ba	arriers on inlets:	_	ALCONOMIC STREET, STRE		UTM coordinates	for fish barriers on outlets:	
1) (2)	(3)	(4)	(5)	(6)		(2)(3)	
Photo number(s) for fish ba	rriers on inlets:	A CONTRACTOR OF THE PARTY OF TH	-		Photo number(s)	for fish barriers on outlets:	
1)(2)	(3)	(4)	(5)	(6)	1	(2)(3)	
Area of suitable spawning h	nabitat on inlets (ffi):					pawning habitat in outlets (m):	
1)(2)		(4)	(5)	(6)	1	(2)(3)	
vidence of spawning in inl	eise				Evidence of spaw		-
1) Spawning fish Redds	ar.	(4) Spawning fish	Redds Fry	None	1	n Redds Fry None	
2) Spawning fish Redds		(5) Spawning fish	*	None	(2) Spawning fish		
3) Spawning fish Redds	•	(6) Spawning fish	•	None	(3) Spawning fish	•	ŀ
Area of in-lake spawning h		, /	readed ity			n Redds Fry None Dawning habitat at outlets (㎡):	
4)(2)	4-1	(4)(5)_	(6)		1		
\-\-\frac{\-\cdot		(9)	(6)		(1)(2	2)(3)	
airy Present in lake?	N In lake-a	ssociated pools?	Y 🐠 Other lo	cations? Strep	ocephalus 11	s-(00's describe locations	
hrimp Collection made?	Y (N) Collectio	n made? Y 🕼		on made? Y		on map deeper Had	<i>i</i> .
mobilion observately				,			
mphibian observer(s):		Survey start time:		Total survey dura	,	Clear Overcast Rain Sno	w
BZ, EK, ES		End time (hhmm):		(min) /5 ~	T	Calm Light Strong]
otream Start East UTM only:	North UTM	End Eas	STUIM Nor	th UTM	Stream order:	Color: Clear Stained	
Amphibian/reptile species	مداد الروم الم	# a.uk = 4: 11			h 141 i i	Turbidity: Clear Cloudy	_
Amprilulari/reptile species	# adults	# subadults	# larvae	# egg masses	diseased/checked	Survey Method	
alling2 V M	Kin a	1 6	065-e10-e	1	1	Visual Trapped	
Calling? Y N	1 100 144	mphibian.	065-610E	 		Aural Hand Collecte	d
oucher? Y N #	 				 	Dip Net/Seine	
ralling2 V M	[]			ł	İ	Visual Trapped	- 1
calling? Y N]			[Aurai Hand Collecte	d
oucher? Y N #		- : <u>-</u>		<u> </u>		Dip Net/Seine	
elliano V N				!		Visual Trapped	7
alling? Y N				1	•	Aural Hand Collecter	d
oucher? Y N #	-					Dip Net/Seine	
and a second]			_		Visual Trapped	
alling? Y N					1	Aural Hand Collected	ı
oucher? Y N #						Dip Net/Seine	_1
. III. 						Visual Trapped	
alling? Y N	ļ .		,		1	Aural Hand Collected	1
oucher? Y N #						Dip Net/Seine	_1
later Temp. (.5m from shor	e, 10cm deep):	14.8 @	ACTOR F	Air Temp, (1m abo	ve water):	(A) (C) (C) (C)	

18.0 @ amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullfrog (RACA) Long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Opr F Air Temp. (1m above water):

14.8 @

SNYLF Amphibian Data Sheet - 2009

Site ID: Date: 9/31/11	Water type: Lake Unmapped pond	ond Stream Marsh	Spring seep	Perennial €phemeraD	
Tond (mmm-dd-yy)	If not sampled, reason: stream wid	stream widening frozen, dry, or not found		bo l	1
Lake Name: 550 LP Planning	Planning Watershed:	Location (use common language)	e		
	(from "Lakes Checklist")	Rond Below Lake	Lak Aloka	_	
		Z	North UTM: 4304438	138	
El Donado m (1) 8092	748438	(only for lakes w/o a site ID; obtain from GPS unit)	e ID; obtain from G	PS unit)	
	Weather Clear Overcast Wind: Calm Light Strong pH: 6.4	pH: 6. 4 M:	Max. lake depth Te	Team members: Lauren Mulloy & (COFG)	(COFG)
Granid Reak, CA Rain Snow	inow	source: HACH (m):	0.	DB, IT, ES Brian Deason	
Amphibian observer(s):	Survey start time: 10	Total survey duration:	Weather:	vercast Rain Snow	
DB, LT, ES, LM, BD	End time (hhmm): [] 20	(min) (O	Wind: Ca	- [
m Start East UTM	End East UTM	North UTM St	Stream order: Co	∕Clear	
			Tu	urbidity: Elean Cloudy	
Amphibian/reptile species # adults	#-subadults # larvae	# egg masses C	Comments	Survey Method	
Callings	Juvenille 25		(3)	Visual	
Volichers < >)*			Aural	Iral Hand Collected	
			200	Bip NewSeine	
ですなり	-1230 MM		<u>a</u>	Visua) Trapped	
Calling? Y	748926 x		Аша	ша Hand Collected	
Voucher? Y (N)#	4304442		<u>S</u>	Olp Net/Seine	
			Vis	Visual Trapped	
			Aural	ral Hand Collected	
ADDICION #			Dip	Dip Net/Seine	
			Vis	Visual Trapped	
2 2			Aurai	ral Hand Collected	
vodcilei: I IV #			Dip	Dip Net/Seine	
			Vis	Visual Trapped	
			Aural	ral Hand Collected	
Notor Town (5m from the 1	-			Dip Net/Seine	
water remp. (.om nom shore, room deep):	15,5 @ 1115 CorF	Air Temp. (1m above water):	water): 18.0	0 @ 1115 CbrF	
amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI). CA newt (TATO), builtfrog (LICA), long-toed salamandar (ANNA)	g (RASI), Sierran treefrog (PSSI).	CA newt (TATO), hi	Ilfrog (I ICA) Iono	1_tood colomonder /ANANA)	•

Philos-6 campy Photos 485-486

250 LF								tory Data s					
Site ID:	Date: (mmm-d	3/30/ d-yy)	η					d Stream				Perennial of another water l	
Lake Name:			Planning	Watershe				Location (u		-		or direction to decir	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
(from map)		,	(from "L:	akes Chec	klist")			0/5 0	FL	ake	Aloh	a Saddi	le Dans
County: Dorad	0	Elevation ft	n: 8133		Fast UT 7490			(only for lake		North U	TM: 43	24930	
Topographic Map	(7.5'):	Weather	Clear	Overcast	Wind: C	Calm Light	t Strong	pH: 6.4				Team members	 3:
Pyramid	Peak		Rain S	now				source: H	<u>4CH</u>	(m): C	7.6	CS, DB	
Person recording h	abitet infe	ormation:					Substra	te transects w	uith ag	uatic vec	atation:	·	
Littoral zone subst				tal):			Touballa	te transects vi	viti i aq	ualic vegi	etation.	 	- Contraction of the Contraction
Silt		< 2 mi	•	•	32 mm _		32-64	mm	64	-256 mm		> 256 mm	bedrock
Shoreline terrestria	al substrat	e compos	sition (1.5	m; ~50 tota	=I):					•	· · · · ·		2501001
Silt-64	mm		_ >64-256	mm		_ > 256 n	nm	grass	s/sedg	e/forb		woody debris	brush
Width (cm) and de			•							Width (d	m) and et	pth (cm) of outle	ts (width/depth):
(1)/(2)_		(3)	<u>/(4</u>	·) <u> </u>	(5)		(6) <u>/</u>	no inle	ets	(1)		/(3)_	/ none
Fish present in inle		2 (2) V	/ NI 2	//\ V \		V N	0 (0))	. N. O	-		sent in ou		
(1) Y N ? (2) Distance to first ba			N /	(4) f P	4 7 (5 ₎) Y N	? (6)	N ?	N. Market) Y N ? (3)	
1	(2)	` '	(3)	(4)		(5)		16 years from		/1)		arrier on outlets (r 2)	m) ·(3)
Description of fish					0 m caso			<u> </u>		Descript		barriers on outle	
(1)	(2)	((3)	(4)		(5)		(6)		(1)		2)	(3)
UTM coordinates for	or fish bar	tiers on ir	nlets:									for fish barriers or	
(1)((2)	(3)	(4)		(5)		(6)		(1)	(2)	(3)
Photo number(s) fo	or fish ban	riers on in	ilets:							Photo no	umber(s) f	or fish barriers or	outlets:
	(2)		3)	(4)		(5)		(6)		(1)			(3)
Area of suitable spa			-	4.00								awning habitat in	। outlets (लै):
(1)(Evidence of spawn	(2)	*************************************	3)	(4)		(5)	_	(6)		(1)			(3)
(1) Spawning fish	_	-	None	(4) Spaw	nina fiah	Redds	En.	None			•	ning in outlets:	
(2) Spawning fish				(5) Spaw			_ •	None None			wning fish wning fish	•	None
(3) Spawning fish				(6) Spaw	-		•	None		1	wning fish	-	None None
Area of in-lake spa				(-)	3	710000	,				-	awning habitat at	·
(2)		(3)		(4)	(5)	<u> </u>	(6)			(1)	(2)	-	
Fairy Present	in lake?	() N	In Joko s	ssociated	nania? \	<i>(</i> (i)	Otherle		. a ad	~ C @ OL	ماند د	:a-1:i	
•	n made?			n made?	-			cations? 5+	-				oe locations
							Collection	on made? Y	٧٧		10	on maj	<u> </u>
Amphibian observe	r(s): DB	1,65		Survey sta		_		Total survey	durati	ion:		Clear Overca	
Stream Start E	not LITAS	. Ni.	orth UTM	End time ((hhmm): End Eas		Man	12	0	10:	Wind:		A
only:	ast O HVI	N	Stut O HVI	ľ	ENG Eas	SI O HVI	NOF	th UTM		Stream o	order:	Color: Clear Turbidity: Clear	Stained Cloudy
Amphibian/reptile	species	# ad	lults	# suba	dults	# la	rvae	# egg masse	i	diseased/c	hecked		Method
PSRE						10+20						Visual	Trapped
Calling? Y	l									ļ		Aural	Hand Collected
Voucher? Y / (1) #												Dip Net/Seine	
Calling? Y N	.											Visual	Trapped
Voucher? Y N #_	- 1	No	_RA\$	ÎI.	ab s	oved	L					Aural Dip Net/Seine	Hand Collected
		<u> </u>	-\ \ \ \ \			<u> </u>				-	-	Visual	Trapped
Calling? Y N	[Aural	Hand Collected
Voucher? Y N #												Dip Net/Seine	
Collings V N	Ì											Visual	Trapped
Calling? Y N Voucher? Y N #_												Aural Din Not/Soine	Hand Collected
					-							Dip Net/Seine Visual	Trapped
Calling? Y N	į		ļ								i	Aural	Hand Collected
Voucher? Y N #_										· 		Dip Net/Seine	
Water Temp. (.5m fr	rom shore	. 10cm de	eep):	[9.0]	@ 147	0.7	OprF	Air Temp, (1r	m abov	ve water):		7) @ lu	2.0 Cor F

amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullfrog (RACA) Long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 456 - Pond facing NW (grumpy)

550 LP	Amphibian and Fish Invent	ory Data Sheet - 2001	
Site ID: Date: 8/30/(mmm-dd-yy)	Water type: Lake Unmapped pond		
(mmm-aa-yy)	If not sampled, reason: stream wide		
	g Watershed:	Location (use common langua	
	akes Checklist")	DIS of Lake 1	Aloha Saddle Dams
County: Elevation:	East UTM:	North UTM	4304845
El Dorado m7 814		(only for lakes w/o a site ID; obt	ain from GPS unit)
	Overcast Wind: Calm Light Strong	pH: 6.4 Max. lake of	
Pyranid Deak Rain	Snow	source: HACH (m): 0,0	7 DB, CS
Pomor recording hebitet information:	Culturate		
Person recording habitat information: Littoral zone substrate composition (3m; ~50 to		e transects with aquatic vegetat	ion:
Silt< 2 mm	2-32 mm 32-64 r	mm 64-256 mm	3 252
Shoreline terrestrial substrate composition (1.5		1011 <u>64-256 mm</u>	> 256 mmbedrock
Silt-64 mm >64-25	•	grass/sedge/forb	woody dobain
Width (cm) and depth (cm) of inlets (width/dep			and depth (onl) of outlets (width/depth):
(1)/(2)/(3)/(•		100
Fish present in inlets?	(0)		t in outlets?
(1) Y N ? (2) Y N ? (3) Y N ?	(4) Y N ? (5) Y N ? (6) Y		? (2) Y N ? (3) Y N ?
Distance to first barrier on inlets (m):	(0)		first barrier on outlets (m)
(1)(2)(3)	(4) (5)	(6) (1) (1)	(2) (3)
Description of fish barriers on inlets: (e.g. "2 m		- · · · · · · · · · · · · · · · · · · ·	of fish barriers on outlets:
(1)(2)(3)	(4)(5)	(6)(1)	(2) . (3)
UTM coordinates for fish barriers on inlets:			nates for fish barriers on outlets:
(1) (2) (3)	(4) (5)	(6) (1)	(2) (3)
Photo number(s) for fish barriers on inlets:			per(s) for fish barriers on outlets:
(1) (2) (3)	(4)(5)	(6)(1)	(2) (3)
Area of suitable spawning habitat on inlets (m)			able spawning habitat in outlets (m²):
(1) (2) (8)	(4)(5)	(6)(1)	(2)(3)
Evidence of spawning in inlets			spawning in outlets:
(1) Spawning fish Redus Fry None	(4) Spawning fish Redds Fry N	1	ng fish Redds Fry None
(2) Spawning fish Redds Fry None	(5) Spawning fish Redds Fry N	lone (2) Spawnir	-
(3) Spawning fish Redds Fry None	(6) Spawning fish Redds Fry N	Ione (3) Spawnir	-
Area of In-lake spawning habitat at inlets (m):			ake spawning habitat at outlets (㎡):
(2)(3)	(4) (5) (6)	(1)	(2)(3)
Fair Barrelland N. L. L.			
	essociated pools? Y (N) Other loc		caphalus describe locations
shrimp Collection made? Y (N) Collection	on made? Y (N) Collection	n made? Y (N) 5	ealii Oson map
Amphibian observer(s): 03, ८5	Survey start time: Y355	Total survey duration: We	eather: Clear Overcast Rain Snow
			nd: Calm Light Strong
Stream Start East UTM North UTN	End East UTM North	n UTM Stream orde	
only:			Turbidity: Clear Cloudy
Amphibian/reptile species # adults		# egg masses diseased/check	
RAST (3)			Visual Trapped
Voucher? Y (N) #	149027× 14304948		Aural Hand Collected
RASE			Dis New Seine
Calling? Y (V)	349019x4304959 7 2 12		Visual Trapped Aural Hand Collected
Voucher? Y Ø #	1-38 AM 749034×4304918 5A	,	Aural Hand Collected
RASI	1-44man Fama 10 11		Visual Trapped
Calling? Y 🚯	7-1-10-35X1304123		Aural Hand Collected
Voucher? Y 🔊 #	1-40 mm - SA 74903/x4304931		Dip Net/Seine
PSRE	10		Visual Trapped
Calling? Y (1)		}	Aural Hand Collected
Voucher? Y W #			Dip Net/Seine
THEL Calling? Y (N)			Visual Trapped
Voucher? Y (V) #			Aural Hand Collected

Oor F Air Temp. (1m above water): amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) builfrog (RACA) Long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 452 - Pond facing SE; 453-455 - 44 pm female;

(gcunpy)

18.5 @

1355

Water Temp. (.5m from shore, 10cm deep):

@ amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullfrog (RACA) Long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

6.5 @ 1025 Or F Air Temp. (1m above water):

Visual

Aural

Dip Net/Seine

Trapped

Hand Collected

Photos: 482 - Pond facing North; 483 pond facing South (GTUMPY)

Calling? Y N

Water Temp. (.5m from shore, 10cm deep):

ē:	
550 LP Amphibian and Fish Invento	ory Data Sheet - 2001
	Stream Marsh Spring seep Perennial Ephemeral
	ing frozen, dry, or not found part of another water body
	Location (use common language)
(from map) (from "Lakes Checklist")	0/5 of Lake Aloha Saddle Dams
County: Elevation: East UTM: 749028	North UTM: 4304484
Topographic Map (7.5'): Weather Clear Overcast Wind: Calm Light Strong	only for lakes w/o a site ID; obtain from GPS unit) pH: 6.4 Max. lake depth Team members
	pH: 6.4 Max. lake depth Team members: Source: HACH (m): 1, 2 CSDB
	COURSE MACH (MI): 172 COURSE
Person recording habitat information: Substrate	transects with aquatic vegetation:
Littoral zone substrate composition (3m; ~50 total):	
Silt< 2 mm2-32 mm 32-64 m	nm 64-256 mm > 256 mm bedrock
Shoreline terrestrial substrate composition (1.5m; ~50 total):	
Silt-64 mm>64-256 mm> 256 mm	grass/sedge/forb woody debris brush
Width (cm) and depth (cm) of inlets (width/depth):	Width (cm) and depth (cm) of etitlets (width/depth):
(1) / (2) / (3) / (4) / (5) / (6) /	no inlets
Fish present in inlets?	Fish present in outlets?
(1) Y N ? (2) Y N ? (3) Y N ? (4) Y N ? (5) Y N ? (6) Y Distance to first barrier on inlets (m):	
(4)	Distance to first barrier on outlets (m)
Description of fish barriers on inlets: (e.g. "2 m falls", or "10 m cascade")	(6) (1) (2) (3) Description of fish barriers on outlets:
(1)(2)(3)(4), (5)	
UTM coordinates for fish barriers on inlets:	UTM coordinates for fish barriers on outlets:
(1)(2)(3)(4)	(6)(2)(3)
Photo number(s) for fish barriers on inlets:	Photo number(s) for fish barriers on outlets:
	(6) (1) (2) (3)
Area of suitable spawning habitat on iniets (m)	Area of suitable spawning habitat in outlets (m²):
	(6) (1) (2) (3)
Evidence of spawning in inlets:	Evidence of spawning in outlets:
	one (1) Spawning fish Redds Fry None
	one (2) Spawning fish Redds Fry None
	one (3) Spawning fish Redds Fry None
Area of In-lake spawning habitat at inlets (m²):	Area of in-lake spawning habitat at outlets (m):
(3) (4) (5) (6)	(1)(2)(3)
Fairy Present in lake? Y N In lake-associated pools? Y N Other local	ations? describe locations
	made? Y on map
/ C	otal survey duration: Weather: Clear Overcast Rain Snow
<u> </u>	min) 20 Wind: Calm Light Strong: UTM Stream order: Color: Clear Stained
only:	UTM Stream order: Color: Clear Stained Turbidity: Clear Cloudy
Amphibian/reptile species # adults # subadults # larvae #	egg masses diseased/checked Survey Method
RASI 1-36mm, terrile? - SA	(Visual) Trapped
Calling? Y (1) 748 9984 3041 33	Aural Hand Collected
Voucher? Y (N) # 1-38 *** ********************************	Dip New Seine

Amphibian observer(s):		Survey start time: \	171 <i>s</i>	Total survey dura	ation:	Weather: Clea	Overcast	Rain Snow
CS, DB		End time (hhmm):	735	(min) 2-0	i	Wind: Calm	Light Stron	
Stream Start East UTM only:	North UTM	End Eas	t UTM N	orth UTM	Stream or	rder: Color: Turbid	Clear	Stained Cloudy
Amphibian/reptile species	# adults	# subadults	# larvae	# egg masses	diseased/cl		Survey Me	
RAST Calling? Y 🚯 Voucher? Y Ň #		1-36mm, temile ? 748998443041:83 [-38mm, temile ? 748991x4304488	- 5A - 5A			Visual Aural (Dip Ne	Ţ	rapped and Collected
Calling? Y N Voucher? Y N #						Visual Aural Dip Ne		rapped and Collected
Calling? Y N Voucher? Y N #						Visual Aural Dip Ne		rapped and Collected
Calling? Y N Voucher? Y N #						Visual Aural Dip Ne		rapped and Collected
Calling? Y N Voucher? Y N #		K				Visual Aural Dip Ne	H	rapped and Collected
Water Temp. (.5m from shore, 1	0cm deep):	75 @ 21	(C)or F	Air Temp. (1m ab	ove water):	23	@ 1715	(C)or F

amphibians: mountain yellow-legged frog (RAMU) Pacific tree frog (HYRE) Yosemite toad (BUCA) CA newt (TATO) bullfrog (RACA) Long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 476 +478 - Pond facing North + East

(Krungy)

Pords Below Lake Aloha SNYLF Amphibian Data Sheet - 2009

unprilibralis. Siell'a Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newf (TATO), builting (LICA), long tood colombia. (ALAMA)	CA now (TAT)	Sierran treefron (POSI)		Indiana Selfa Nevaga
above water): 8 , O @ 0S0 Car F	Air Temp. (1m above water):	14,0 @ 1050 COFF	e, rocin deep): [c	recontrolled to the control of the c
Dip Net/Seine			\vdash	Vater Temp (5m from show
Aural Hand Collected				/oucher? Y N #
Visual Trapped		_		Calling? V N
Dip Net/Seine				- 1
Aural Hand Collected				
Visual Trapped			•	Calling? Y N
Dip Net/Seine				2
Aural Hand Collected				/ouchar? Y N #
Visual				Calling? Y N
Dip Net/Seine				VODGIGI: I IN #
Aural Hand Collected				Z 2
Visual Trapped		_		allings < N
Dip Net/Seine		4304422		oucilei: 1 SW #
Aural Hand Collected		x 5968h£		
Visual Trapped	•	1-6533		フキット フキット
Comments Survey Method	# egg masses	# subaduits # larvae	# adults # s	Supplied in a precise species
Turbidity: ¿ciean Cloudy				Amphibian/motile anglish
Stream order: Color: Clear Stained	North UTM	End East UTM No	North OTM	only: Sucam start East OTM
Wind: Calm Light Strong	(min) IS	End time (hhmm): 1100		Chrom Star 52
Weather:	Total survey duration:	Survey start time: 1045		Amphibian observer(s):
(m): 1. +5 m	source: HACH		Rain Snow	Tyramid Yeak, CA
Max. lake depth Team members:	pH: 6.4	Overcast Wind: Calm Light Strong pH: 6.4	Weather Clear Overca	
(only for lakes w/o a site ID; obtain from GPS unit)	only for lakes w/) 0488HZ	1408 @ w	
		East UTM:	Elevation:	
Lear Alpha Sadalo Cons	Below	necklist")	(from "Lakes Checklist")	(from map)
ē, l	Location (use o		Planning Watershed:	Lake Name:
frozen, dry, or not found part of another water body		If not sampled, reason: stream widening		(mmm-dd-yy
Marsh Spring seep, Perennial Ephemeral	Stream	Water type: Lake Unmapped pond		Site ID: Date: 8/31/11

reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Photos: 484- facing East (Grumpy)

SNYLF Amphibian Data Sheet - 2009

Site ID: Date: 8/22/	201	ype: (ake) Unmapped pond	ld Stream Marsh	sh Spring seep	(Perennia) Ephemeral	_
(VV-bb-mmm)		If not sampled, reason: stream wide	stream widening frozen, dry, or not found		part of another water body	
Lake Name:	Planning Watershed:	ed:	Location (use common language)	mon language)		
(from map) Upper Fich	(from map) Upper Echo Cake (from "Lakes Checklist"	cklist")	Hoper Fig	io Lafe-in	HODER Fiche Later-in vicinty of Camo Harrier	2
County:	Elevation:	East UTM:	=	North UTM:		}
2 Vorado	m/# 02+3	0)	(only for lakes w/o a site ID; obtain from GPS unit)	site ID; obtain from	GPS unit)	_
Topographic Map (7.5'):	Weather: Clear Overcast	Overcast Wind: Calm (igh) Strong	pH:	Max. lake depth	Team members:	Γ
2cho Lake, CA	Rain Snow		source:		ES, 08	
Amphibian observer(s):		Survey start time: 092.5	Total survey duration:	on: Weather:	Clear Overcast Rain	Snow
À	:		(min) 30	Wind:		
Start East UTM		End East UTM No		Г	Clear	
Umy. 105 +5555	12037-17		4 50 55 67		Turbidity: (Clean Cloudy	
Amphibian/reptile species	# adults	# subadults # larvae	# egg masses	Comments	Survey Method	
;	No Amphibions				Visual Trapped	
z	observed.				Aural Hand Collected	ted
Voucher? Y N #					Dip Net/Seine	
	Abundant Fish				Visual Trapped	
z	Water chaitly is	very good.			Aural Hand Collected	ted
Voucher? Y N #	-				Dip Net/Seine	
	Small areas of	potential tackole	ole habitation		Visual Trapped	
z :					Aural Hand Collected	ted
Voucher? Y N #					Dip Net/Seine	
					Visual Trapped	
					Aural Hand Collected	ted
Voucher? Y N #					Dip Net/Seine	
14 X 07 111 0					Visual Trapped	
Voucher? Y N #		-		-	Aural Hand Collected	ted
Water Temp. (.5m from shore, 10cm deep):	ore, 10cm deep): 15.5	@ /Clor F	Air Temp (1m above water):	ŀ		L
	1		on in its in and	.01.	2)	1 2

reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA)
fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT x RT, CT x RT)

Rhotos: I - facing SW @ Start; 2+3 facing NE+SW, 4+5-11; 6+7-014 facing to prove dock; amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newt (TATO), builfrog (LICA), long-toed salamander (AMMA)

2000 20

Field Review: 838

SNYLF Amphibian Data Sheet - 2009

Site ID: Date: 8/2.51		Water type: Lake Unmapped pond	d pond (Stream) Marsh	sh Spring seep	(Perennial) Ephemeral	
752 LT (mmm-dd-yy)		If not sampled, reason: stream	stream widening frozen, dry, or not found		part of another water body	
Lake Name: Silver Lake	Planning Watershed:	ershed:	Location (use common language)	mon language)		
(from map)	(from "Lakes Checklist")	Checklist")	Unamed Tributary	butary To	Silve Lake	
County: Elev	Elevation:	East UTM:				
Amador Co, m(#)	177286		(only for lakes w/o a site ID; obtain from GPS unit)	site ID; obtain from	GPS unit)	
p (7.5"):	Weather: Elean Overcast Wind:	cast Wind: Calm Light Strong pH:	rong pH:	Max. 1916 depth	Team members: 08 , cs	
Caples Lake, CA	Rain Snow		source:	(m): 1,75		
Amphibian observer(s): $C \le 0.08$		Survey start time: IOSO	Total survey duration:		glear Overcast Rain Snow	
		End time (hhmm): 1330	(min) 30	Wind:	Calm (Light) Strong	
Stream Start East UTM	North UTM	End East UTM	North UTM	Stream order:	Color. (Geat) Stained	
only: 10s 0751323	4282879	105 751830	4282264		Turbidity: (Clear) Cloudy	
Amphibian/reptile species	# adults #	#subadults #larvae	# egg masses	Comments	Survey Method	
1 1 1 1 1		*			Visual Trapped	
Calling? Y 🔟				,	Aural Hand Collected	
Voucher? Y				٤	Dip Net/Seine	
RAST	(上)			Just and Marie	Trapped	502
Catling? Y 🖎	200			protuding object. Aural	Hand Collected	451444 X
Voucher? Y N/#	21505				etySeine	42-82312
	_				Visual	
Calling? Y N					Aural Hand Collected	
Voucher? Y N #			:		Dip Net/Seine	
	tential galanti	46	* cascade @ 75	1705×42,82423.	Visual Trapped	
Calling? Y N Ro	Roturned to verify	7.0	iting but wee unable to find trees. Aural	find trass.	Aural Hand Collected	
Voucher? Y N #		`			Dip Net/Seine	
					Visual Trapped	
Calling? Y N					Aural Hand Collected	
Voucher? Y N #					Dip Net/Seine	
Water Temp. (.5m from shore, 10cm deep):	10cm deep):	13.00 1050 0	1050 (Cor F Air Temp. (1m above water):		20.5 @ 1050 OorF	
man () and () and () and () and () and ()			(OHVH) +:::== VO (100	L		

amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newt (TATO), builfrog (LICA), long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT \times RT, CT \times RT) Ph o + o \lesssim 92.0 - 946

Fingerling tout in bottom section

Field Review: SAS

387

Sprigrent Creck

SNYLF Amphibian Data Sheet - 2009

(mmm-d4-yy) 812-3/11 If not sampled, reason: stream widening frozen, dry, or not found Planning Watershed: (from "Lakes Checklist")		-	Water type	Water type: Lake Unmapped pond (Stream) Marsh	puod pado	Stream	arsh Spring seep	(Ferennial) Eohemeral
Planning Watershed: Co.	-	d-yy) 812-3/11	If not samp		am widen	ing frozen, dry	not found	of another water boo
(from "Lakes Checklist") (from "Lakes Checklist") (anly for lakes wo a site ID; obtain from m (ft) 782.5 to (mi) 782.5 to (mi) 760.00 (mi) 760.0	Lake Name:	Planning	Watershed			ocation (use co	11 (13)	
Elevation: (a) Morth UTM: (b) Agazs to Max. lake depth source: (c) Meather: Clear Overcast Wind: Calm Clabs Strong pH: (c) Weather: Clear Overcast Wind: Calm Clabs Strong pH: (c) Max. lake depth source: (d) Max. lake depth source: (m): (min) 7-0 vin (min	(from map)	(from "La	akes Checkli	ist")).)	
Map (7.5): Weather: Elead Overcast Wind: Calm (Light' Strong pH: Max. lake depth Source: (m): Server(s): £5, D(3) Survey start time: 12-15 Total survey duration: Weather East UTM North UTM End time (hhmm): 13-40 (min) 70 vin Wind: Wind: PT-22 42-853 7-57-70 (min) 70 vin Wind: Wind: PT-22 42-853 7-57-70 (min) 70 vin UTM End time (hhmm): 13-40 (min) 70 vin Wind: Weather pitile species # adults # subadults # larvae # egg masses Comments N - No. Fish Observed in Upper port on No. Hoper port on No. Hoper portion is subscurface Plow 270% of He Frank N # - Upper portion is subscurface Plow 270% of He Frank N # - Upper portion is subscurface Plow 270% of He Frank N # - White Prank N # - Upper portion is subscurface Plow 270% of He Frank N # - Upper portion is subscurface Plow 270% of He Frank N # - Upper portion is subscurface Plow 270% of He Frank N # - Upper portion is subscurface Plow 270% of He Frank N # - Upper portion is subscurface Plow 270% of He Frank N # - Upper portion is subscurface Plow 270% of He Frank N # - Upper portion is subscurface Plow 270% of He Frank N # - Upper portion is subscurface Plow 270% of He Frank N # - Upper portion is subscurface Plow 270% of He Frank N # - Upper portion is subscurface Plow 270% of He Frank N # - Upper portion is subscurface Plow 270% of He Frank N # - Upper portion is subscurface Plow 270% of He Frank N # - Upper portion is subscurface Plow 270% of He Frank	County:	Elevation:	ŭ	ast UTM:			North UTM:	
Snow Snow Snow Survey start time: 12-15 End time (hhmm): 1340 End time (hhmm): 1340 (min) 70 min Weather (min) 70 min Wind: Weather (min) 70 min Worth UTM (selit) # subadults # larvae # egg masses Comments # subadults # larvae # egg masses Comments Sover in upper post on over in upper post on Sover in upper post on Sover in upper post on Sover in upper post on Sove in upper post on Sove in upper post on Sove in upper post on	\sim	m (ft) 7825 to		(uo)	ly for lakes w/o	a site ID: obtain from	n GPS unit)
Server(s): £5, D(c) Survey start time: 1215 Total survey duration: Weather End time (hhmm): 1240 Total survey duration: Wind: End time (hhmm): 1240 Total survey duration: Wind: TTOTAL 1285853 T5772 TOTAL Survey duration: Wind: Wind: Total survey duration: Weather Wind: Total survey duration: Wind: Wind: Total survey duration: Wind: Wind: Total survey duration: Weather Wind: Total survey duration: Wind: Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: Wind: Total survey duration: Weather Wind: Wind: Total survey duration: Weather Wind: Wind: Total survey duration: Weather Wind: Wind: Wind: Total survey duration: Weather Wind: Wind: Total survey duration: Weather Wind: Wind: Total survey duration: Weather Wind: Wind: Wind: Total survey duration: Weather Wind: Wind: Total survey duration: Weather Wind: Wind: Total survey duration: Weather Wind: Wind: Total survey duration: Weather Wind: Wind: Total survey duration: Weather Wind: Wind: North UTM Total survey duration: Weather Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: Wind: Total survey duration: Weather Wind: Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: Total survey duration: Weather Wind: W	Topographic Map (7.5'):	_	Overcast W	find: Calm (Light	Strong	Ē	Max. lake depth	Team members
Server(s): £5,0@ Survey start time: 1245 End time (hhmm): 1340 (min) 70 nin Weather: P 722 P 722 P 723 P 724 North UTM P 1285604 Ptile species # adults # subadults # larvae # egg masses Comments N = - No Fish obsoured in upper post on N # - Upper post of the time N = - Surrey ended at 0.6 m i. due to no habitat, no water N # - No histat, no water N # - Surrey ended at 0.6 m i. due to no habitat, no water N # - No histat, no water	Caples Lale, CA	Rain	wous)	. <i>U</i> 3	ource:	(m):	ES.08
Lart East UTM North UTM End East UTM North UTM (selit) Stream order. 7-7-2	Amphibian observer(s): 2	5,00	Survey star	t time: 12-15		otal survey dura		Clear Overcast Rain Snow
TADA 42858 TSTASO 4285604 ATADA 4285604 ATADA 4285604 Petile species #adults #subadults #larvae #egg masses Comments N = No Fish observed in upper portion N # - No Fish observed in upper portion N # - Survey ended at 0.6 mi. due to no habitat, no water N # N # No Fish observed I was to no habitat, no water N # N # N # N # N # N # N # N # N # N			End time (h	1340	J	min) 70 m		alm (Light Strong
ptile species #aduits #subaduits #larvae #egg masses Comments N - No Fish observed in upper post or N - Upper portion is subsurface Flow 570% of the time N - Survey ended at 0.6 ml. due to No habitat, no water N # N # N # N # N # N # N W # N	Stream Start East UTN only: インチャン	Note of	853	East 577	Nort CZ	h UTM (seliit) るSLのロ	Stream order:	Color. Clear Stained
N - No Fish observed in upper portion N = - No Fish observed in upper portion N = - Upper portion is subsurface Plow 1270% of the time N = - Survey ended at 0.6 mil. due to no habitat, no water N # N = - No habitat, no water	Amphibian/reptile species					egg masses	Comments	10
N - No fish observed in upper post on Na amphipians observed N # - Upper portion is subsurface flow 570% of the time N - Survey ended at 0.6 mi. due to no habitat, no water N # N N # N	1941							Visital Transact
N = -No Fish observed in upper portion Na amphibians observed. N = -Upper portion is subsurface Plow & 70% of the time N = Survey ended at 0.6 mil. due to no habitat, no water N = N = N = N = N = N = N = N = N = N	Calling? Y							Aural Hand Collected
N = -No fish observed in upper post on No amphipians observed. N = -Upper portion is subsurface flow 1270? of the time N = -Survey ended at 0.6 mil. due to no habitat, no water N = N = N = N = N = N = N = N = N = N	Voucher? Y M/#							et/Seine
N = - No amphipians observed. N = - Upper portion is subsurface Flow 1270? of the time. N = - Survey ended at 0.6 ml. due to no habitat, no water. N = N = N = N = N = N = N = N = N = N		No fish ob		Jada	Do1+ 1	0.6		Visual Trapped
N = Survey ended at 0.6 mi. due to no habitat, no water N = N = Survey ended at 0.6 mi. due to no habitat, no water N = N = N = N = N = N = N = N = N = N	Z	Na amphi	Dians c	۲		(Aural Hand Collected
N # N water and O.6 mi. due to no habitat, no water N N # N W # N N W WATER NO No. Water N N W WATER NO.6 WATE	# Z	UPPER POSTION		- 1	30	270%. of	the time	Dip Net/Seine
# Z Z Z	:	Survey ended	ŧ	7.6mi. due	to re	A tolidah	o water	Visual Trapped
# Z Z Z Z	z					The same of the sa	}	Aural Hand Collected
# Z	z							Dip Net/Seine
# Z Z				- :				Visual Trapped
# Z	Z							Aural Hand Collected
	z							Dip Net/Seine
						-		Visual Trapped
	Calling? Y N							Aural Hand Collected
	# N S S S S S S S S S		,					Dip Net/Seine
1740 Corr Air Iemp. (1m above water):	Water I emp. (.om from sho	re, 10cm deep):	2	0771	CorF	∖ir Temp. (1m. at	ove water):	22 @ 1240 OorF

amphibians: Sierra Nevada yellow-legged frog (RASI), Sierran treefrog (PSSI), CA newt (TATO), bulifrog (LICA), long-toed salamander (AMMA) reptiles: W. aquatic garter snake (THCO) W. terrestrial garter snake (THEL) common garter snake (THSI) W. pond turtle (CLMA) 19 ºC - cnd fish: rainbow trout (RT), golden trout (GT), cutthroat trout (CT), brown trout (BN), brook trout (BK), hybrids (GT \times RT, CT \times RT)

Photos: 850 + 51 - U/s + 016 @ Stort 854 - U/s at Embiant at split. 855 - U/s @ lord comment trib 856-0/5 @ emigrant

Field Review, 28

57-64- Small channel

62063-U/6 40/6 @ Ord +57530×4284974