

Hi Tim,

Thanks again for re-authorizing aquatic sampling at Palo Corona Ranch; it was a good day in the field.

Road-runner pond was dry.

Attached is a datasheet for "Salamander Pond," and a couple of representative CTS larvae photos.

In summary:

- 5 CTS larvae: 85-130 mm tl (no cannibalistic morphs)
- 4 Adult CRLF: 102-127 mm tl.
- <35 CRLF metamorphs: @ 55 mm tl
- >400 CRLF larvae: <50 mm tl
- >500 Newt larvae: <70 mm tl
- <20 Hyla metamorphs: <50 mm
- >400 Hyla larvae: <50 mm

Please let me know if you would like any additional information.

Sincerely,

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2009 Aquatic Sampling Datasheet
Palo Corona Ranch, Monterey County

GENERAL INFORMATION

Date: August 5, 2009 Pond Name/Number: "Salamander Pond" Surveying Personnel: David Keegan/Tom Giles Start Time: 11:30 a.m. End Time: 1:00 p.m. Man Hours: 3 Techniques: Both seining (approximately 1 hour) and dip-netting (half-hour). Air Temperature: 69° F	Water Temperature: 70° F Weather: Clear/Sunny. 0% cloud cover. Wind (Mph): <6 mph Photo #'s: Yes, photos of two representative CTS larvae.
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RESULTS

CTS			CRLF			Treefrog			Bullfrog			CA newt			W. toad		
Eggs	Larvae	Adult	Eggs	Larvae	Adult	Eggs	Larvae	A	Eggs	Larvae	Adult	Eggs	Larvae	Adult	Eggs	Larvae	Adult
-	F	-	-	A	F	-	A	F	-	-	-	-	A	-	-	-	-

(Few <10, Common = 11-100, Abundant >101)

FILL OUT THE FOLLOWING AS APPLICABLE

California Tiger Salamander Data				California Red-legged Frog Data			
Eggs	Larvae	Metamorphs	Adults	Eggs	Larvae	Metamorphs	Adults
-	5	-	-	-	>400	>35	4

CTS larvae Measurements: 95mm tl; 90 mm tl; 120 mm tl; 114 mm tl; 85 mm tl
CRLF Adult Measurements: @ 102-127 mm tl
CRLF Metamorph Measurements: @ 55 mm tl
CRLF Larvae Measurements: <90 mm tl

Any other quantifiable data for *federally listed* species: CRLF larvae are present in the low-water crossing on the main road.

Staff Gauge Reading (feet and inches): n/a <1.2 meters depth

Emergent Vegetation (% of surface, species.): @ 50%, *Scirpus* sp. dominated

Submergent Vegetation (% of surface, species.): 75%, uk

Surface Aquatic Vegetation (% of surface, species.): @ 20%, uk

ADDITIONAL NOTES:

Other Species/Size Classes Observed (aquatic or upland): > 400 Hyla larvae: @ 50 mm tl. <20 Hyla metamorphs: @ 50 mm tl. >500 Newt larvae: @ 70 mm tl.
 Coopers hawk and Red-tailed hawk frequently observed.

CTS Tissue Samples Collected: 5

General Comments: Emergent and submergent vegetation have increased substantially at this pond in past 5 years. Very difficult to seine.

GENERAL HABITAT DESCRIPTION:

Aquatic Feature Size: @ 2500 square meters

Depth: < 1.2 meters max

Surrounding Habitats: scrub, grassland, riparian, oak woodland, maritime chaparral, etc.

HYDROLOGY DESCRIPTION:

Likely perennial