

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**

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