

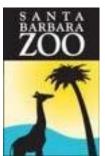
# REINTRODUCING CALIFORNIA RED-LEGGED FROGS BACK TO THE SANTA MONICA MOUNTAINS

Katy Semple Delaney, Ph.D.
Santa Monica Mountains National Recreation Area



# **Acknowledgements**











Mountains Recreation & Conservation Authority







## Santa Monica Mountains National Recreation Area Protected Park Land

National Park Service U.S. Department of the Interior







#### Biology, etc.

Largest native frog in the

Western U.S.

Omnivorou

S

Long-lived

**Nocturnal** 

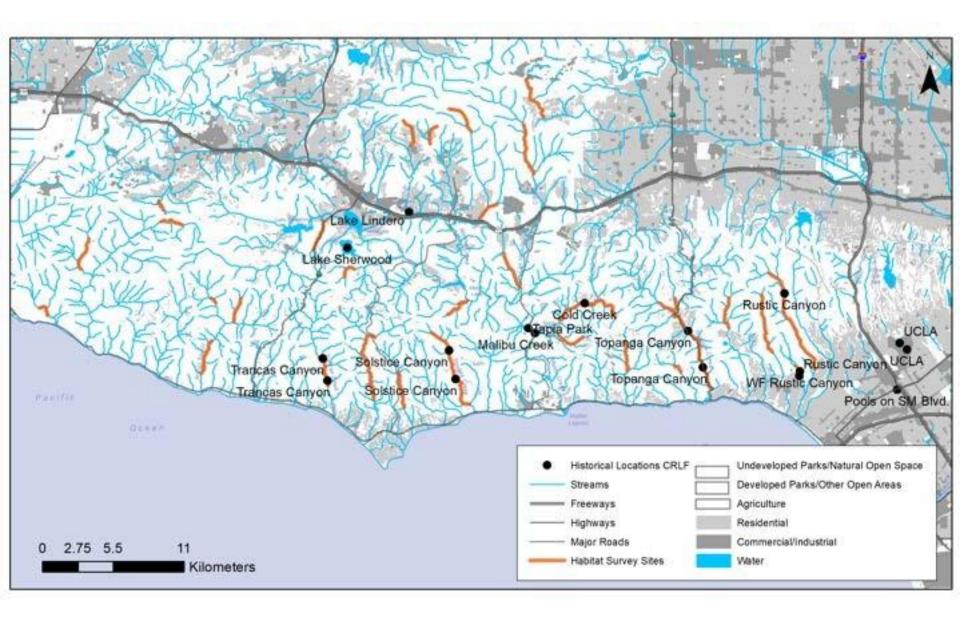
#### Breeds at 2-3 years old

Reproduction Dec –March

Inspiration for Mark Twain's "The Celebrated Jumping Frog of Calaveras County"

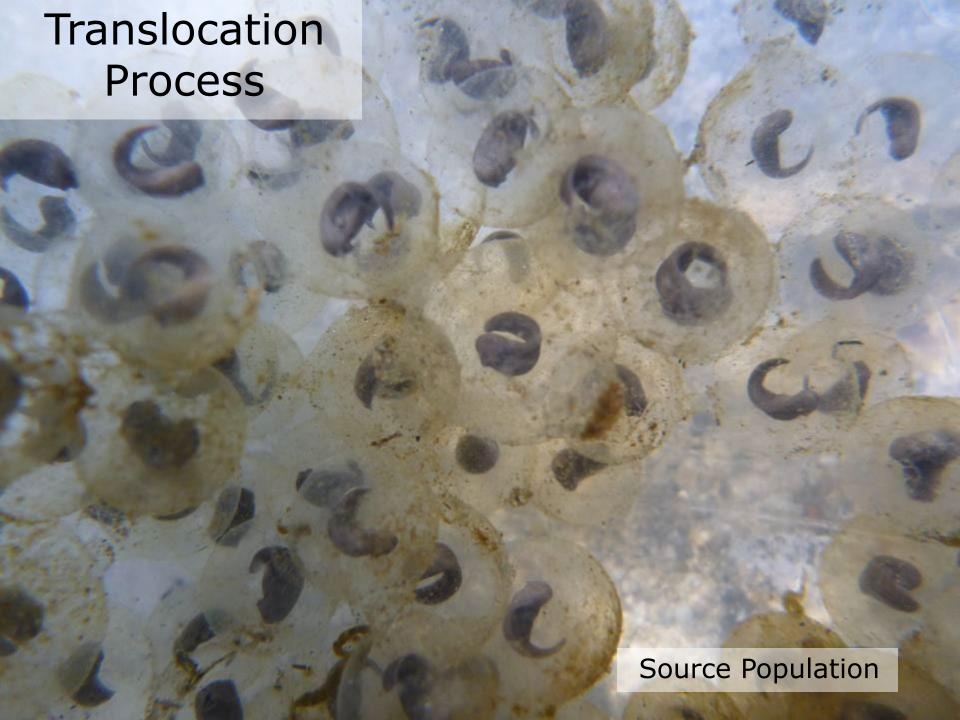
California's official state amphibian





#### **Museum Records & Historical Records**

















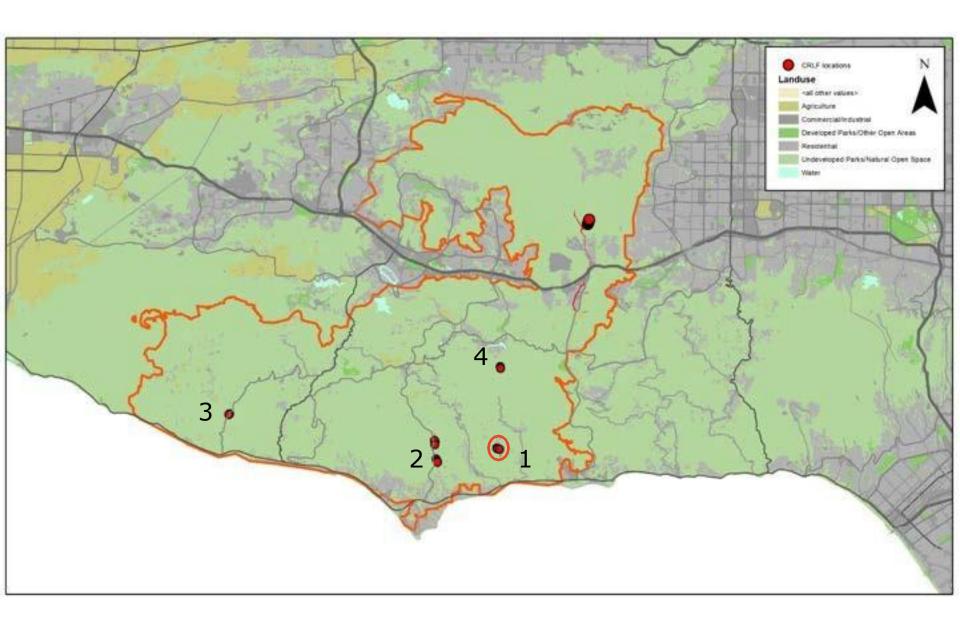
## **Egg Masses Detected**

	2014	2015	2016	2017	2018
Source	27	36	42	89	64
SMM site 1	-	-	0	12	13
SMM site 2	-	-	0	0	7













### Source





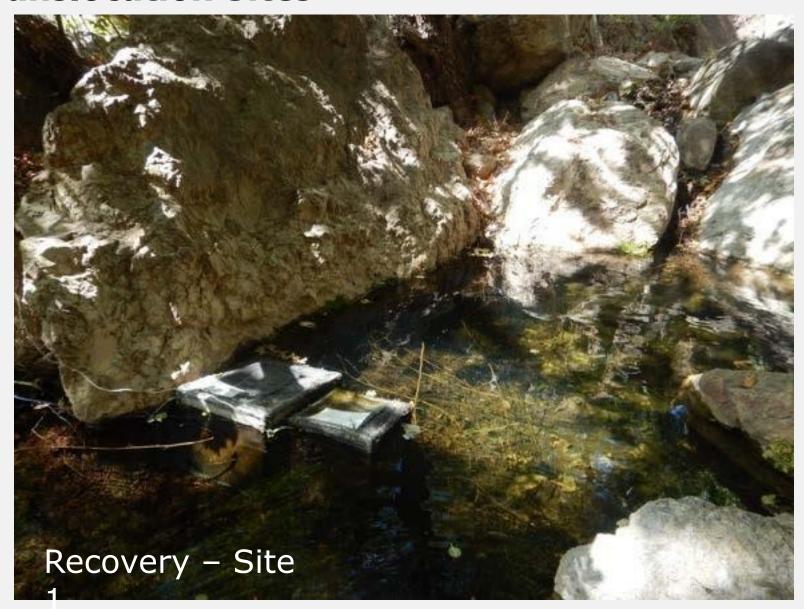


## **Source Population**



Feb-March 2019 – Breeding

#### **Translocation Sites**







#### **Translocation Status**

Post-fire adjustments – translocation when and where we can, cooperate with Santa Barbara Zoo to have tadpoles raised off-site, adapt in a very rainy year (2023).

Site 2 Site 4





2021 – Site 1 only

#### **Fire Caused Direct Mortality**

Night surveys

#### 1 survey per reintroduction site

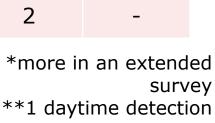
PIT tagging

Results:

Reintroduced adult/subadult frogs

detected





## **Egg Masses Detected**

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Source	27	36	42	89	64	84	55	59	47	77
Site 1	-	-	0	12	13	4	11	8	7	4
Site 2	-	-	0	0	7	0	0	0	0	0
Site 3						0	0	1	0	0
Site 4						0	0	3	0	0



Thank you!