

An Introduction to the Elkhorn Slough Sea Otter Project

Sarah Espinosa

UCSC Graduate Student

Elkhorn Slough Symposium

January 24, 2017

Tim Tinker, Kerstin Wasson

Michelle Staedler, Jess Fujii, Teri Nicholson, Joe Tomoleoni, Ron Eby and Robert Scoles

Thanks!



ESNERR

Ron Eby, Robert Scoles, Dave Feliz, Kerstin Wasson

Monterey Bay Aquarium

Michelle Staedler, Jess Fujii, Teri Nicholson and all of the interns and volunteers!

USGS/UCSC

Joe Tomoleoni, Gena Bentall, Sophia Lyon, Tim Tinker, UCSC Tinker-Estes Lab



MONTEREY BAY
AQUARIUM



Coastal
Conservancy



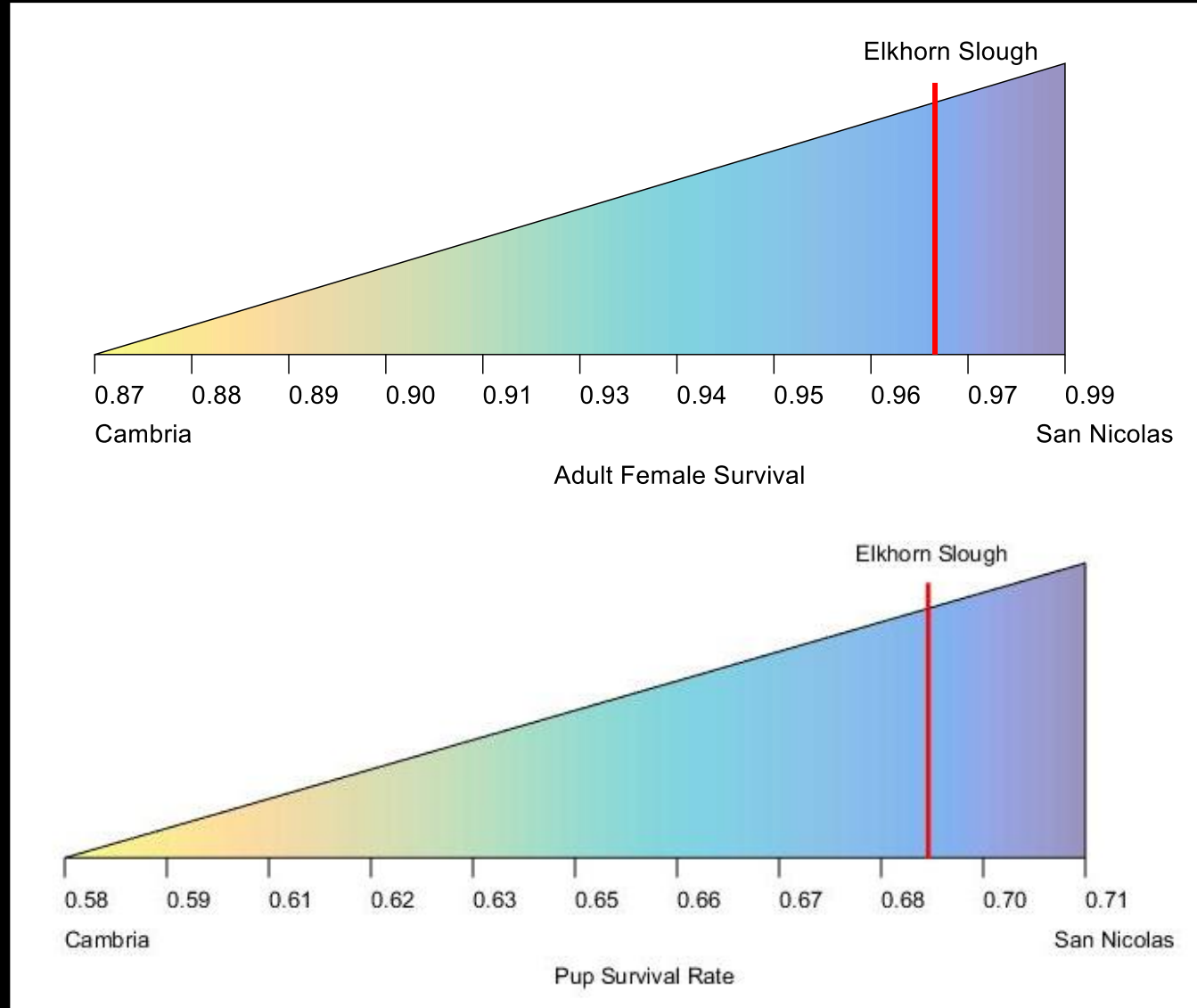
UCSC

 **USGS**
science for a changing world

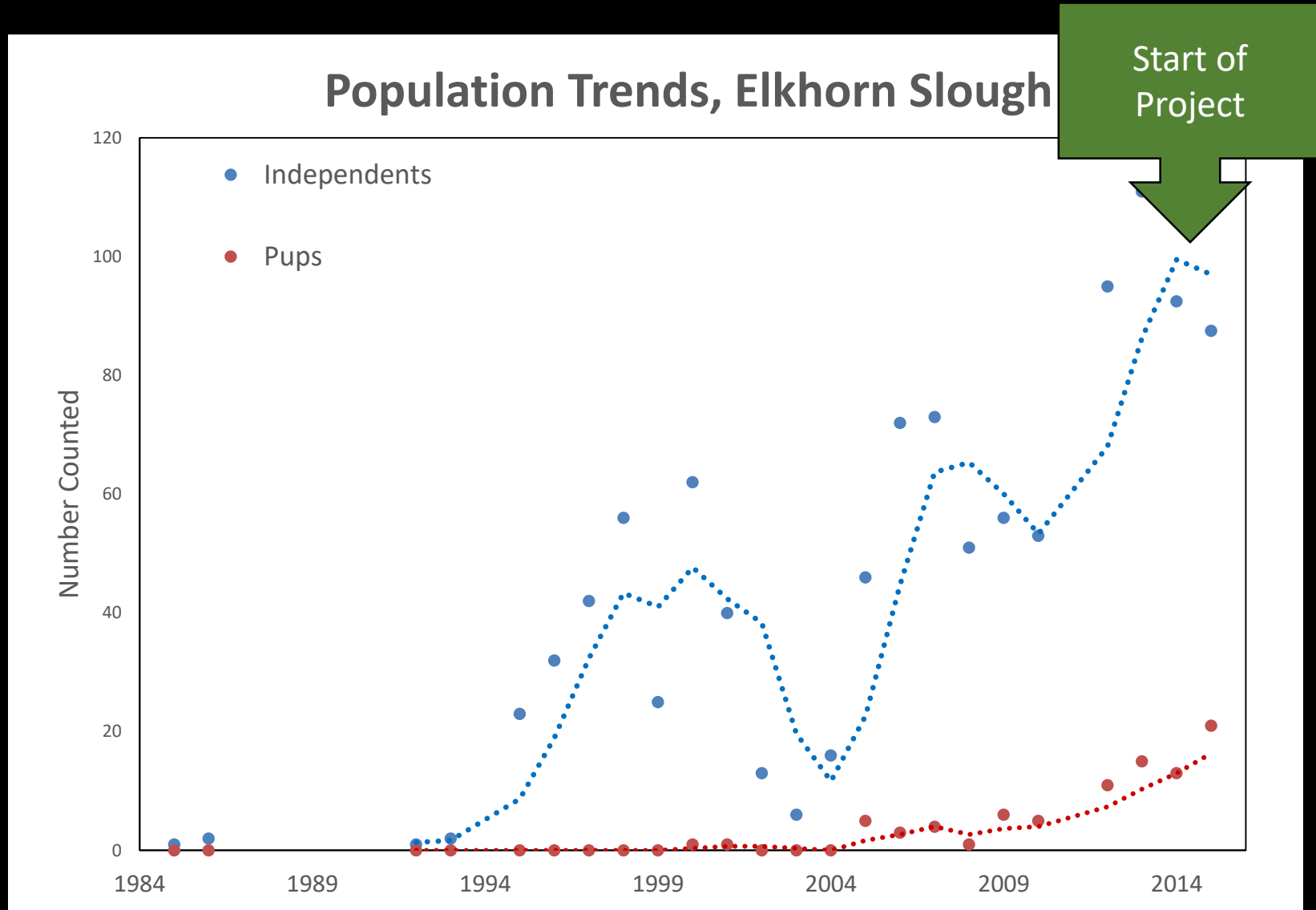
Purpose

- Habitat Use
(Tim Tinker)
- Population status
(Michelle Staedler)
- Contaminate analysis
(Chayo Fuentes)
- Ecosystem effects
(Brent Hughes)

Female and Pup Survival

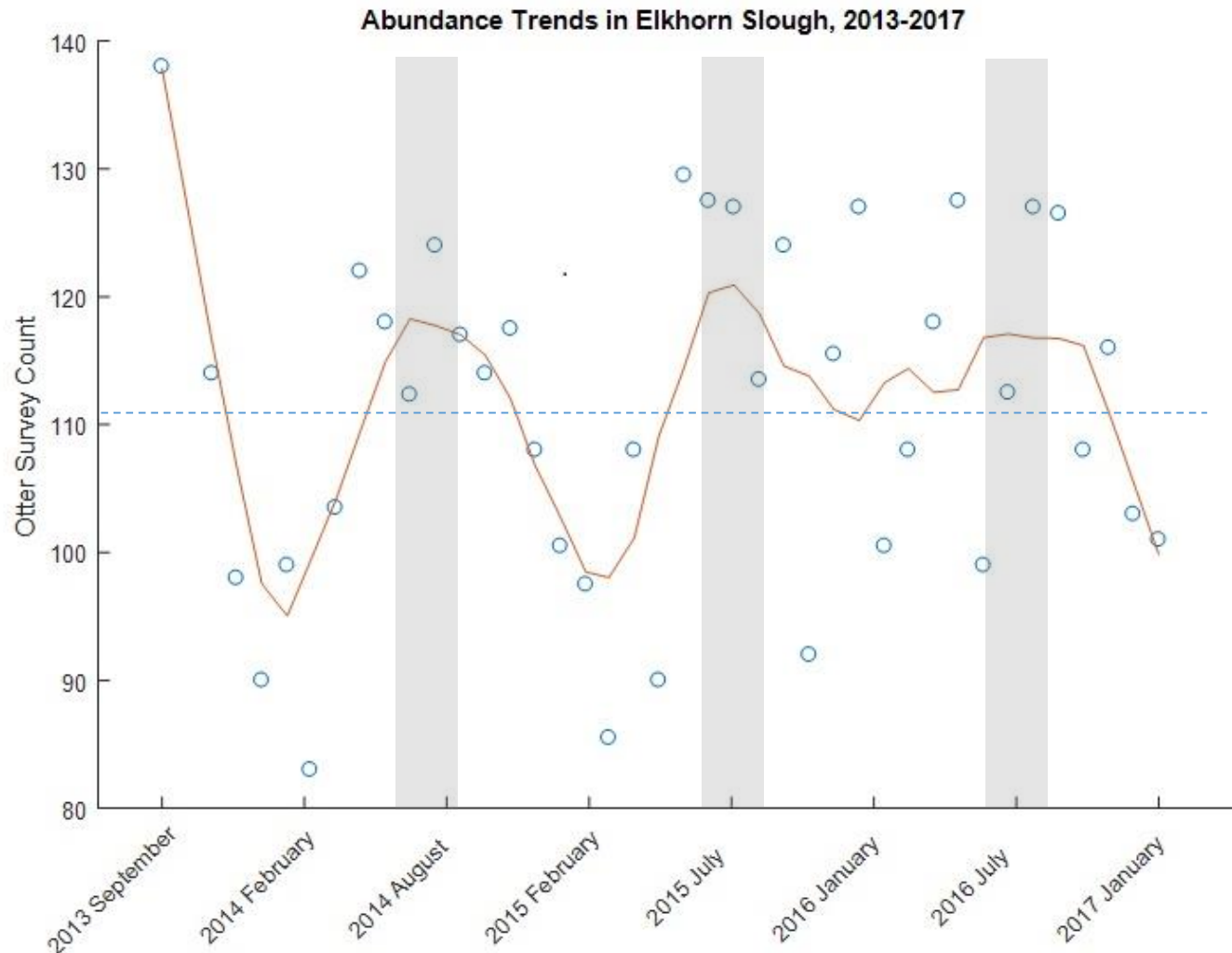


Elkhorn Slough Sea Otter Population

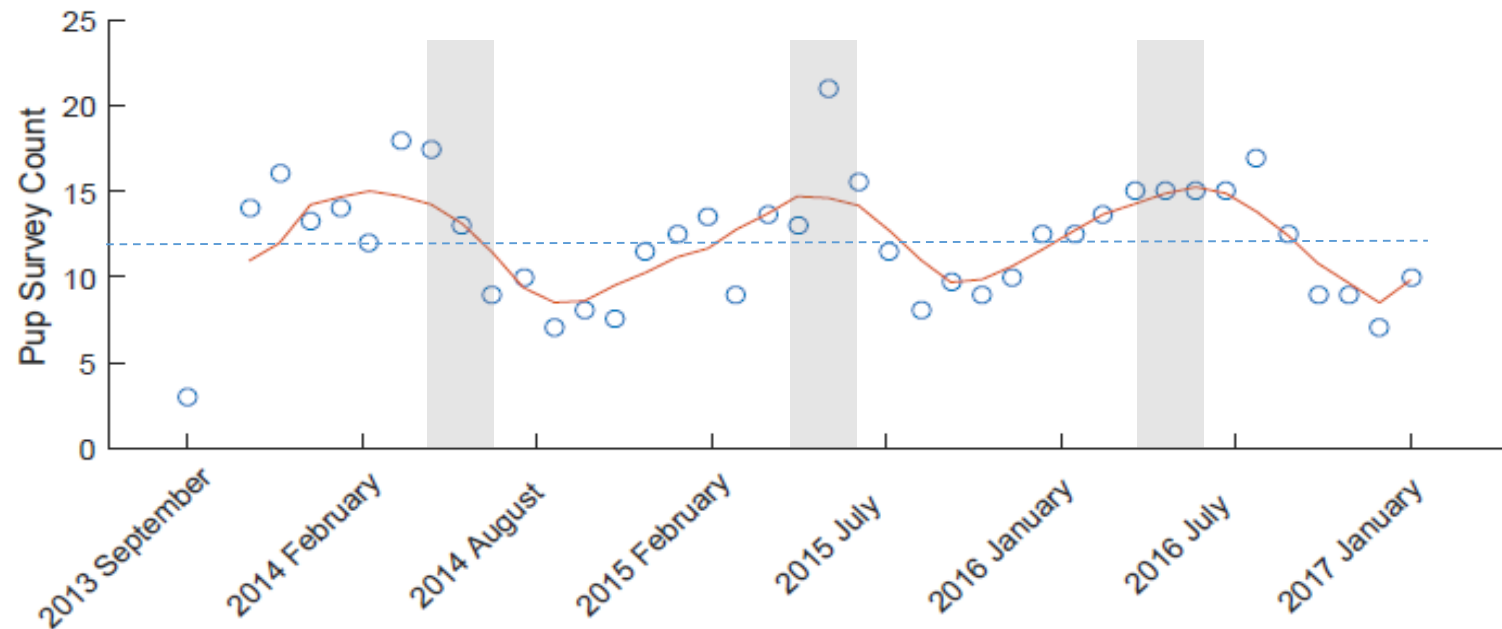


Elkhorn Slough Abundance

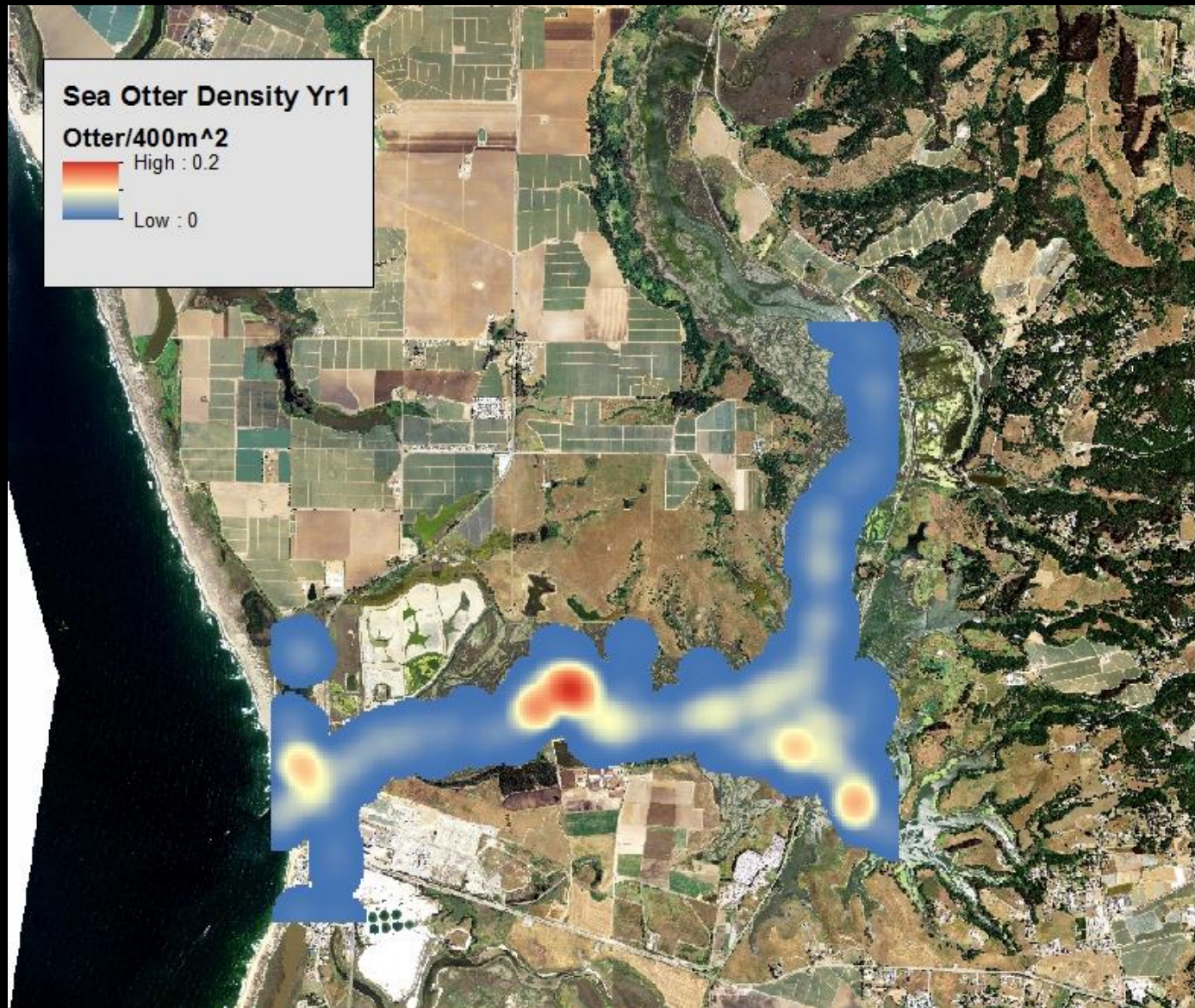
Averages: **99** Individuals, **7** large pups and **5** small pups = **111** total



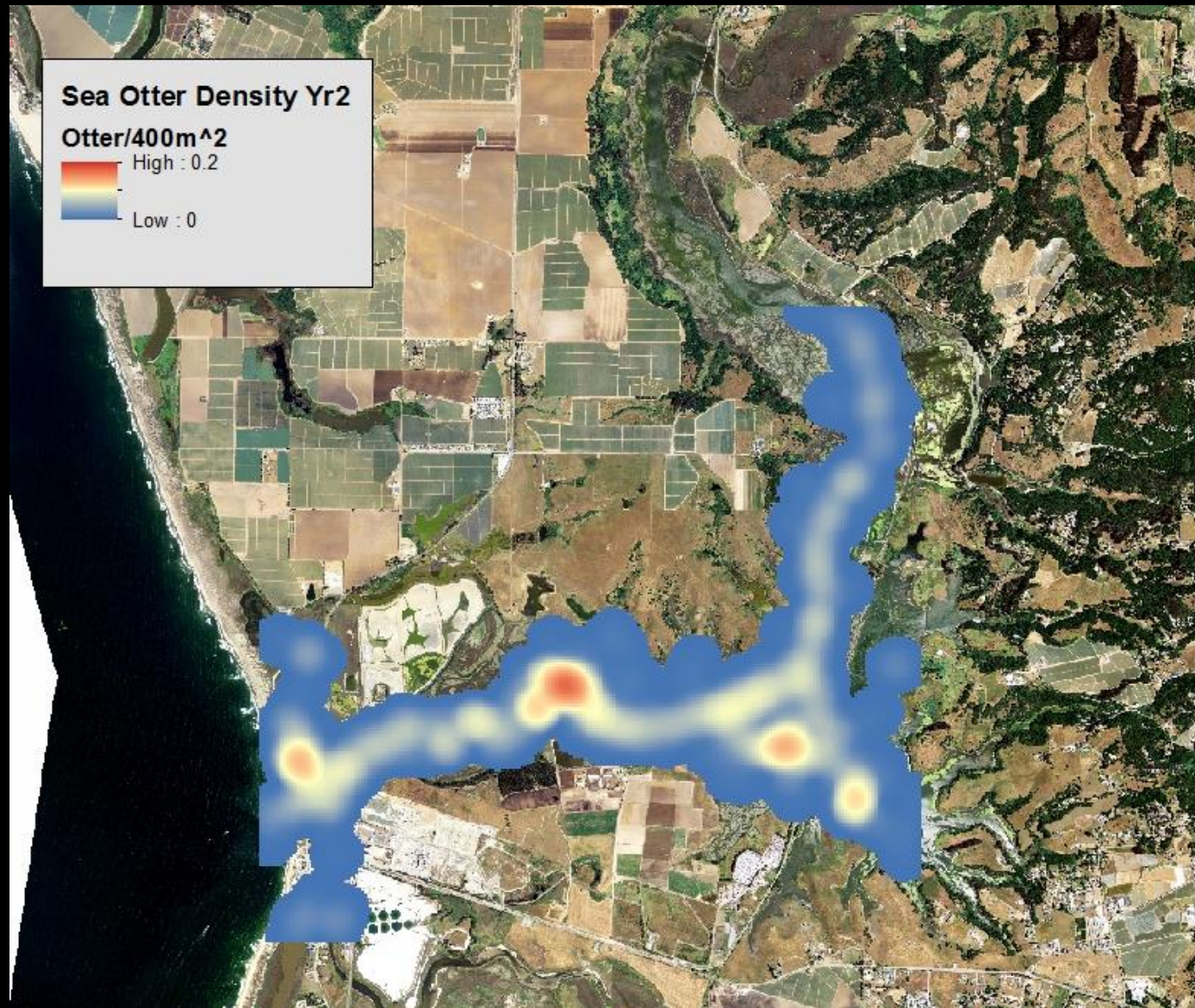
Pup Abundance



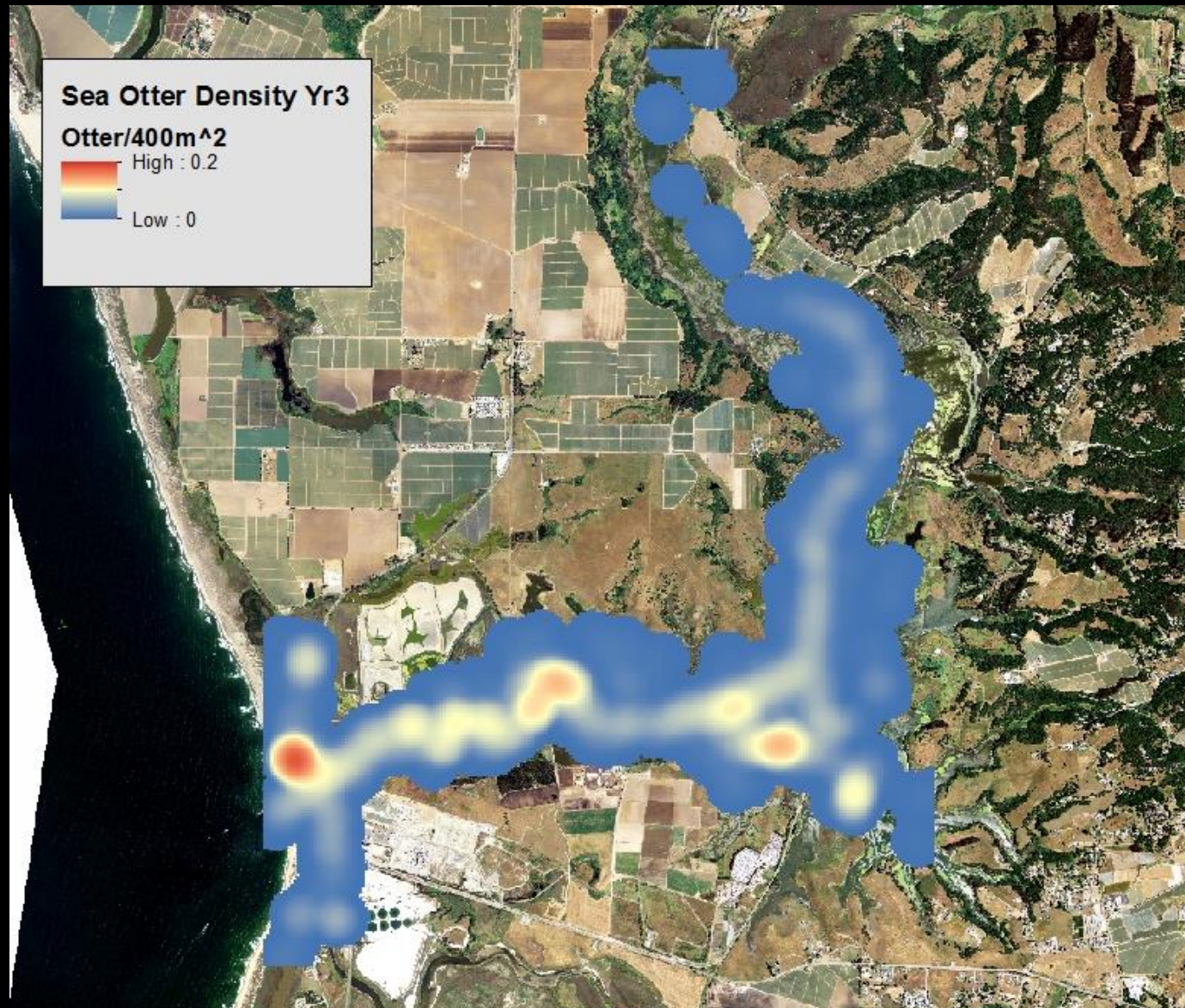
Year 1: Density Distributions



Year 2: Density Distributions



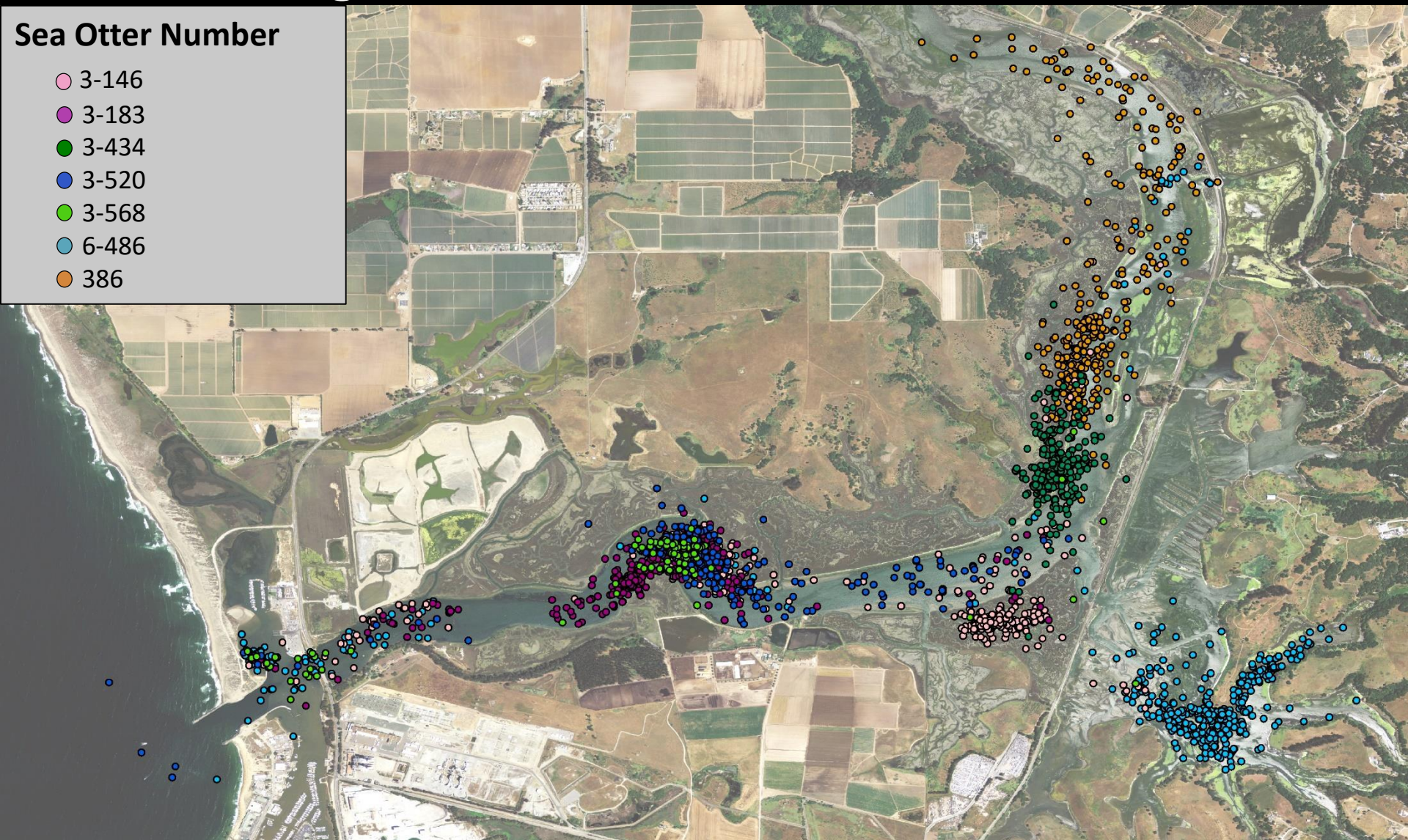
Year 3: Density Distributions



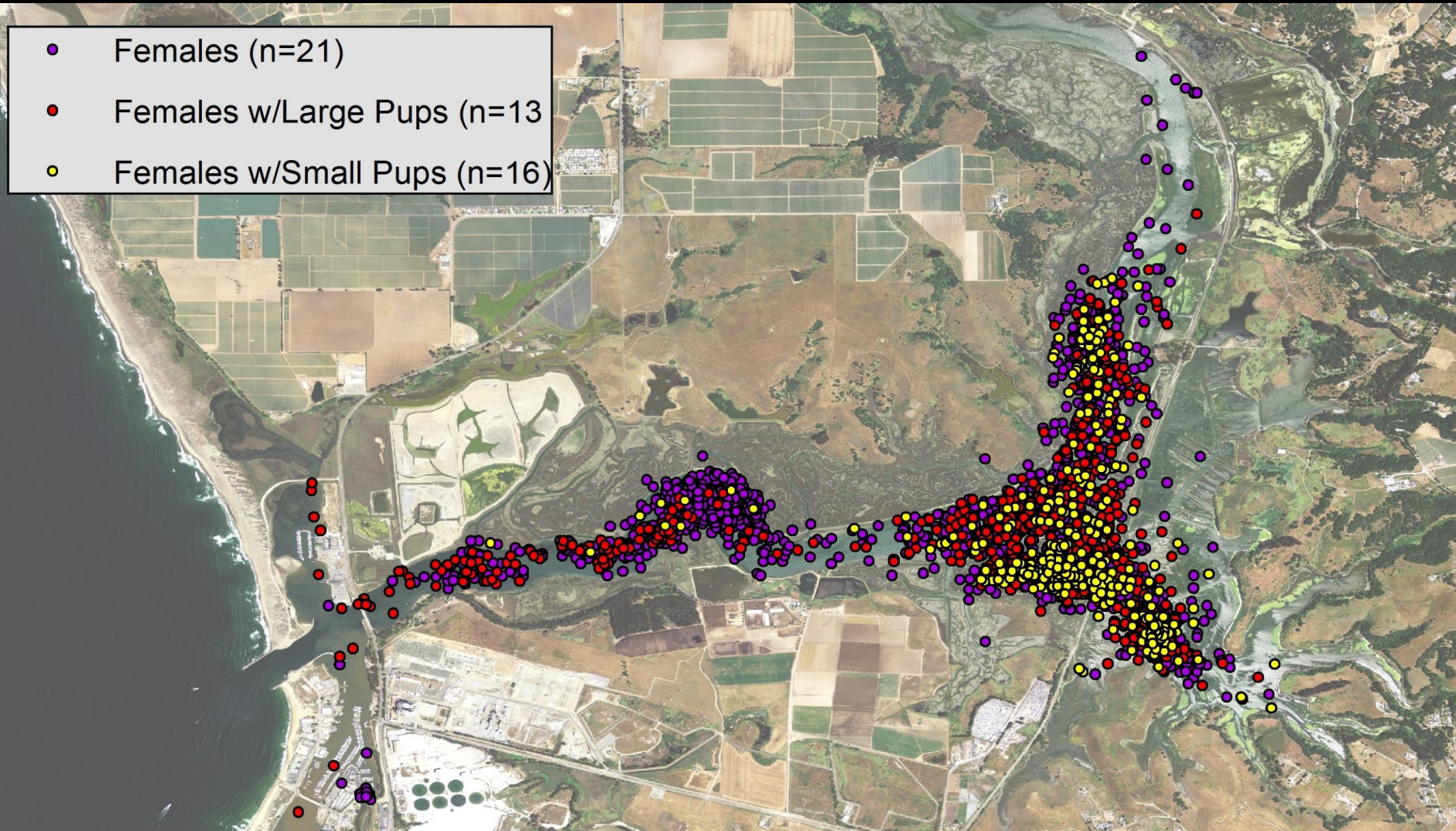
Male Re-sights

Sea Otter Number

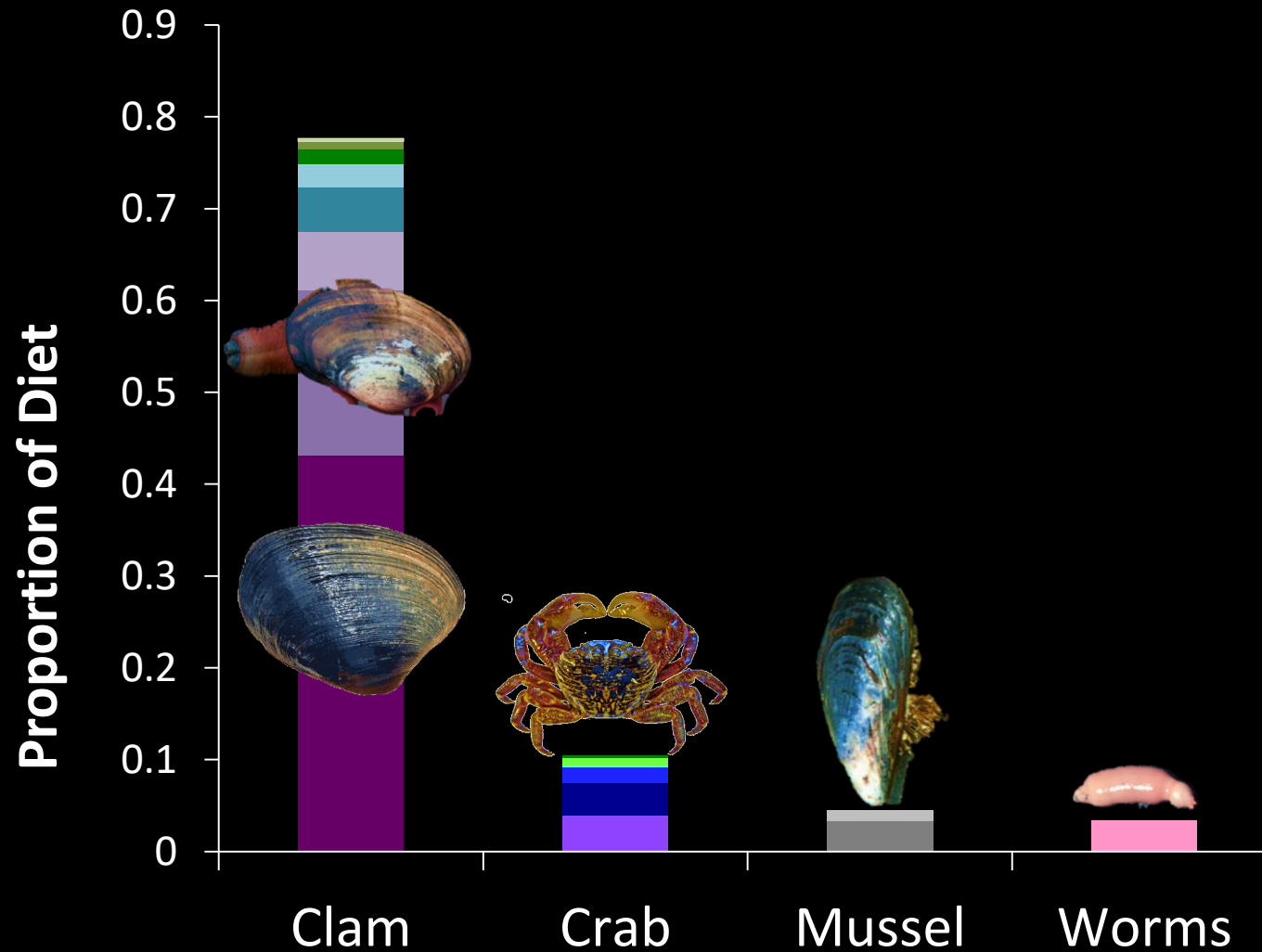
- 3-146
- 3-183
- 3-434
- 3-520
- 3-568
- 6-486
- 386



Female Re-sights



Diet Composition



Elkhorn Slough Abundance

Averages: 99 Individuals, 7 large pups and 5 small = 111 total

