



THIS PRESENTATION WAS GIVEN BY MANFRED
KITTELL CDFW, AT A MEETING OF THE STATEWIDE
COHO RECOVERY TEAM, APRIL 15-16, 2014

The Year of the Jack

Coho Recovery Team Update

Bay Delta Region

April 16, 2014

Monterey Bay Salmon and Trout Project

Spawning 2013/14

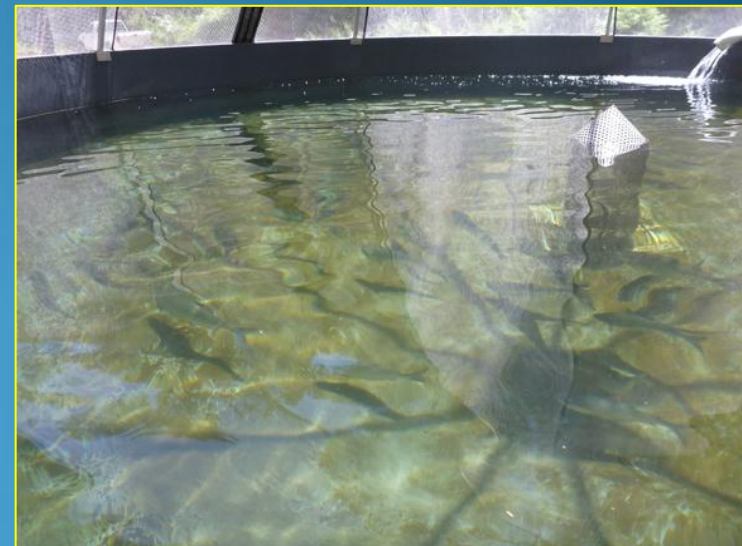
- 47 females spawned (incl. 9 RR fem.)
- Total egg take: ~ 78,000

Drought effects

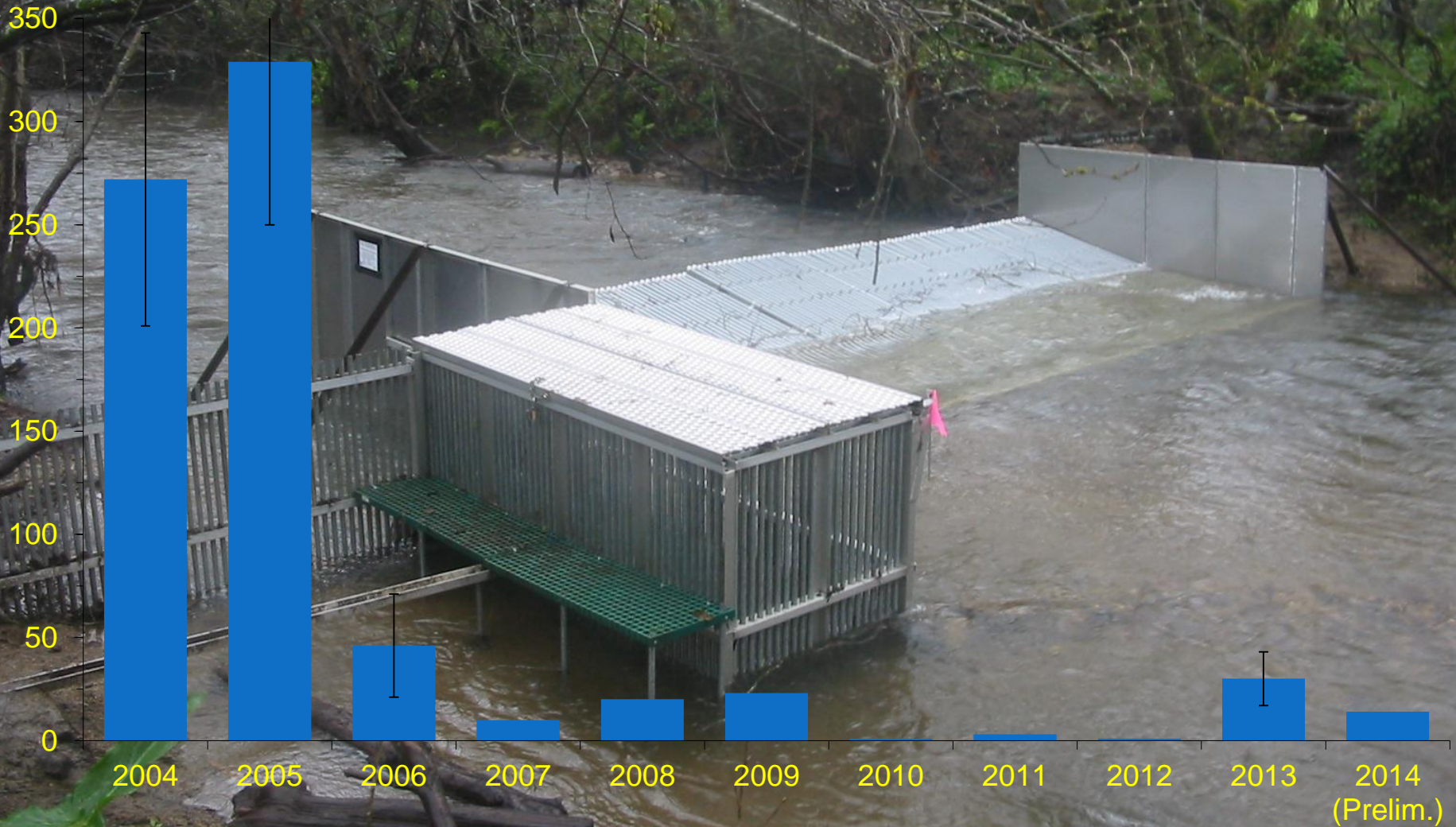
- Blocked or delayed upstream migration, jacks from SLR used for spawning
- Mortalities at hatchery to all year classes due to water quality (fungus)

Smolt Release Timing Experiment

- PIT-tagged smolts released in weekly intervals
- Second year
- 33 jacks from the 2013 release returned to Scott, San Vicente, Waddell and SLR



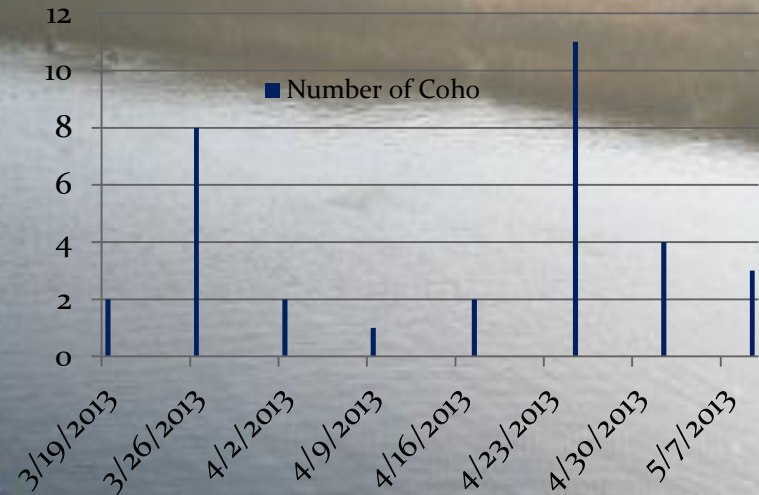
Scott Creek Coho Returns



Scott Creek Release Timing Experiment

Preliminary Data

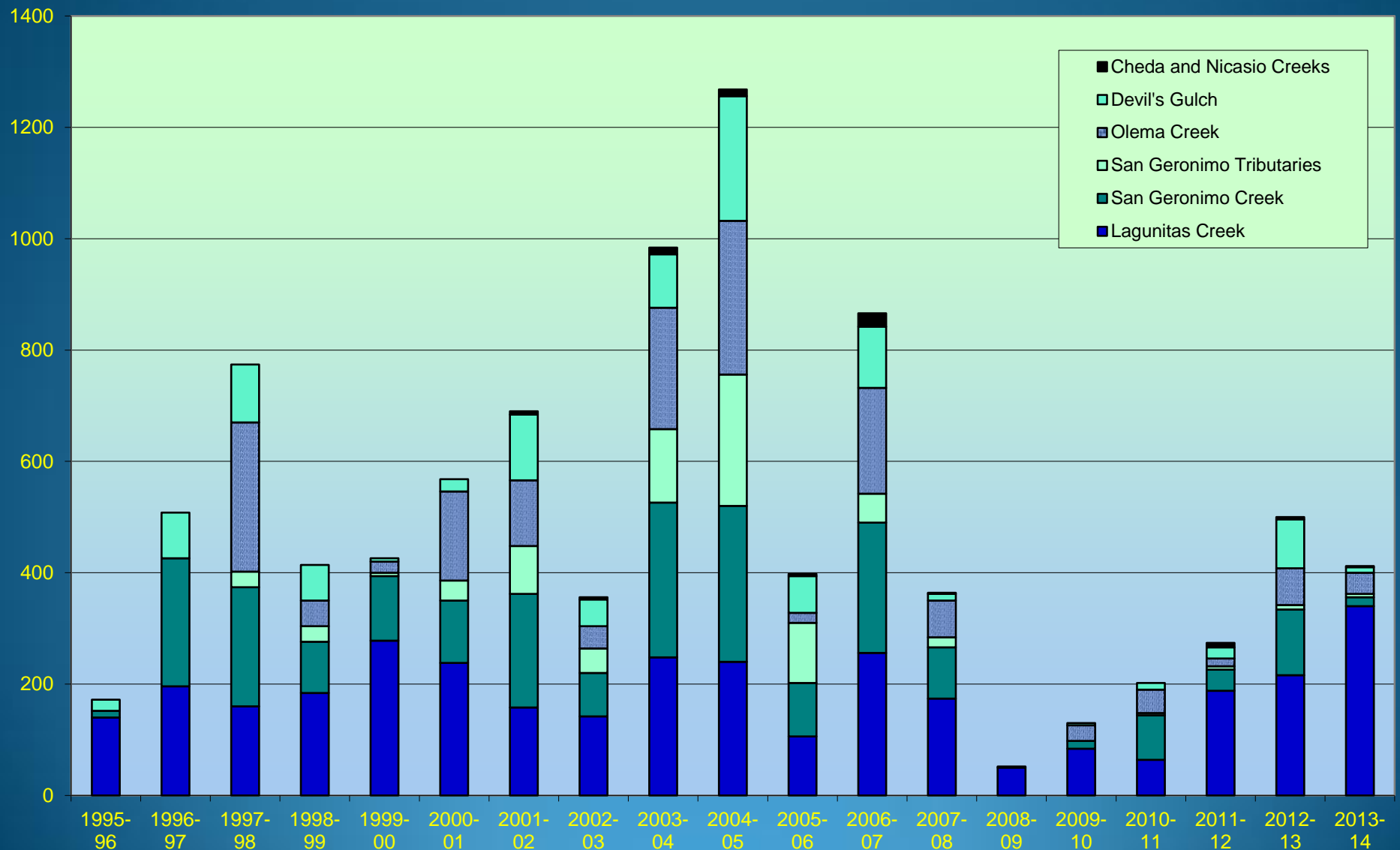
Number of Coho



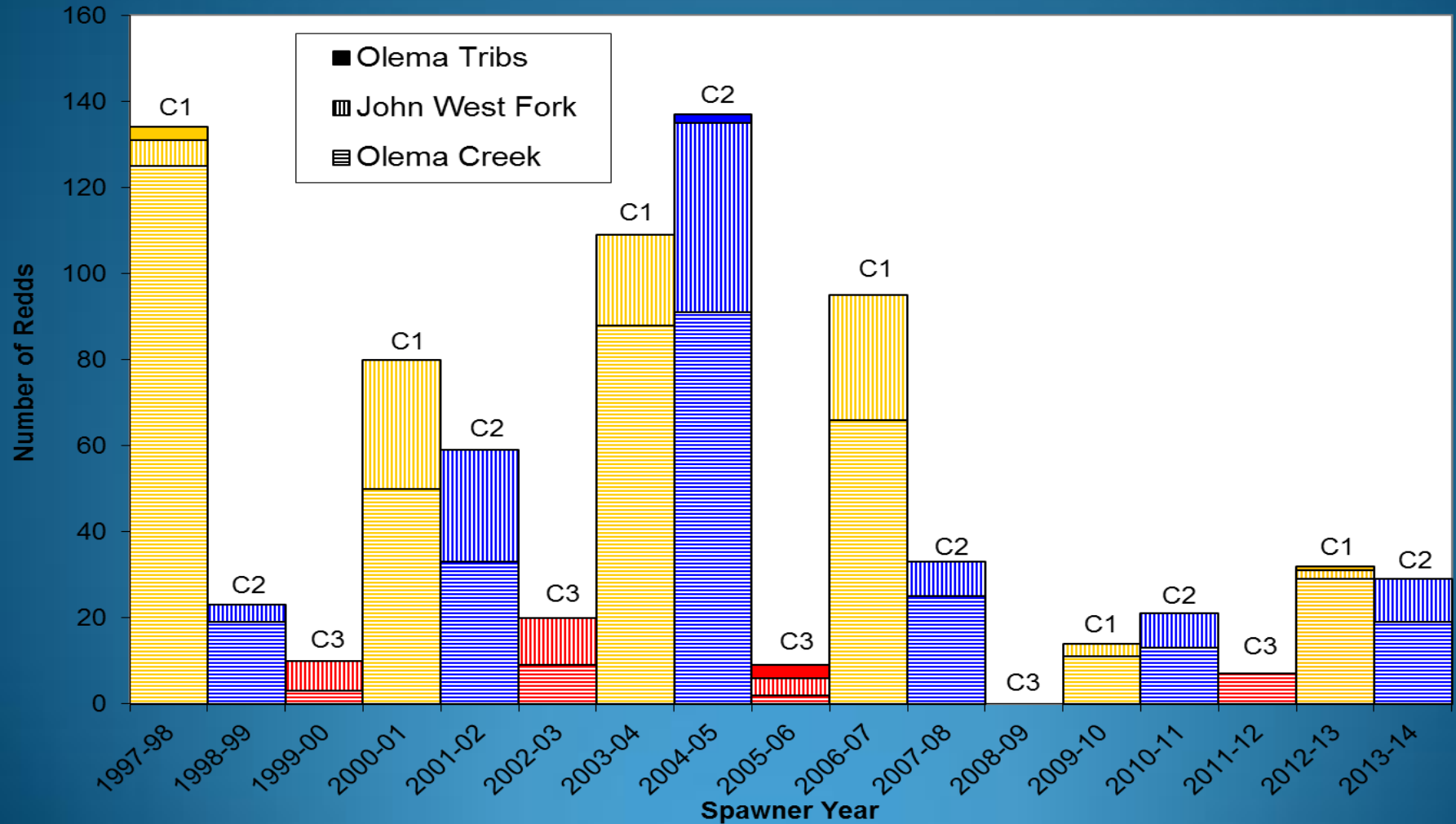
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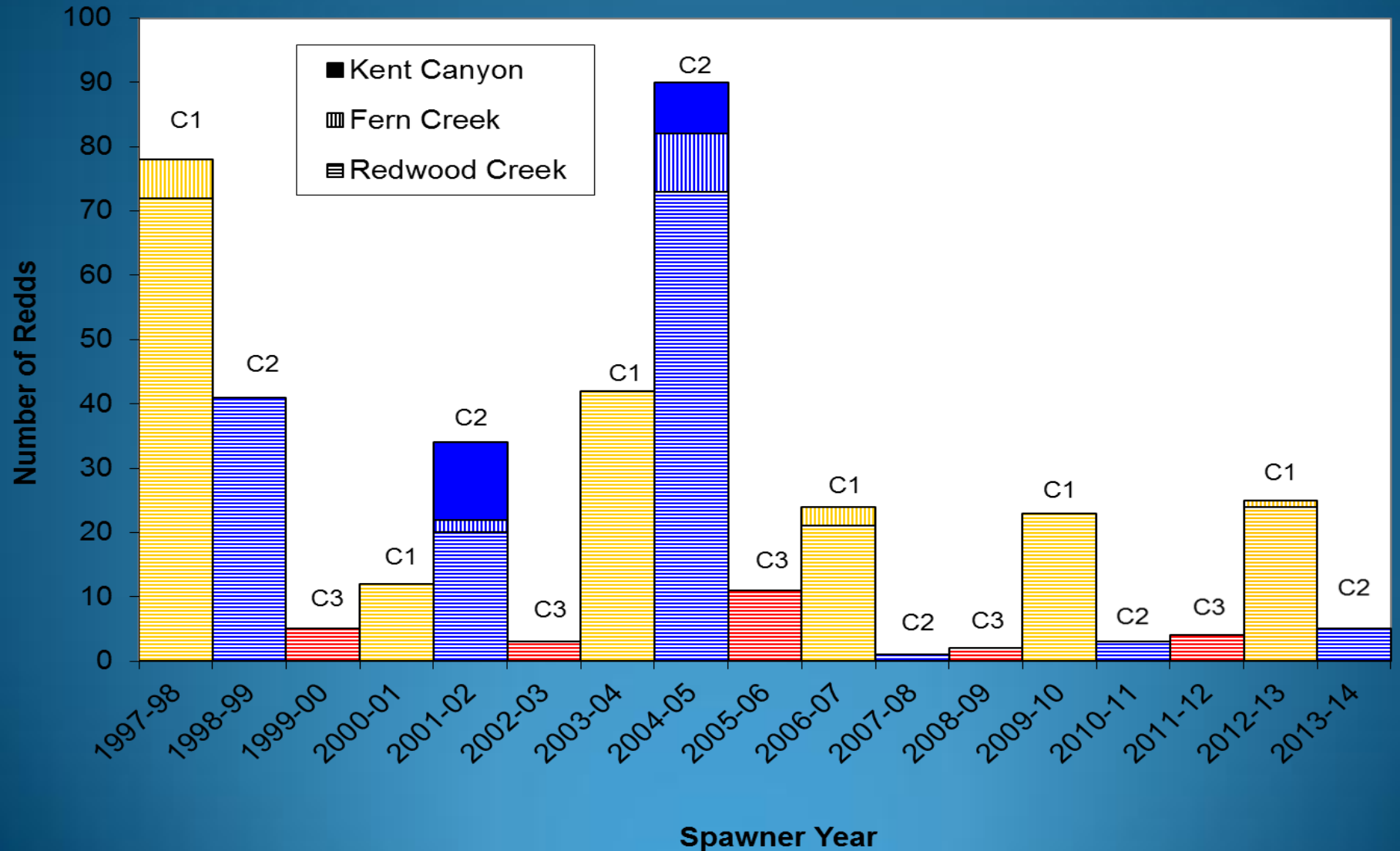
Lagunitas Creek Coho Salmon Abundance



Olema Creek Coho Salmon Abundance

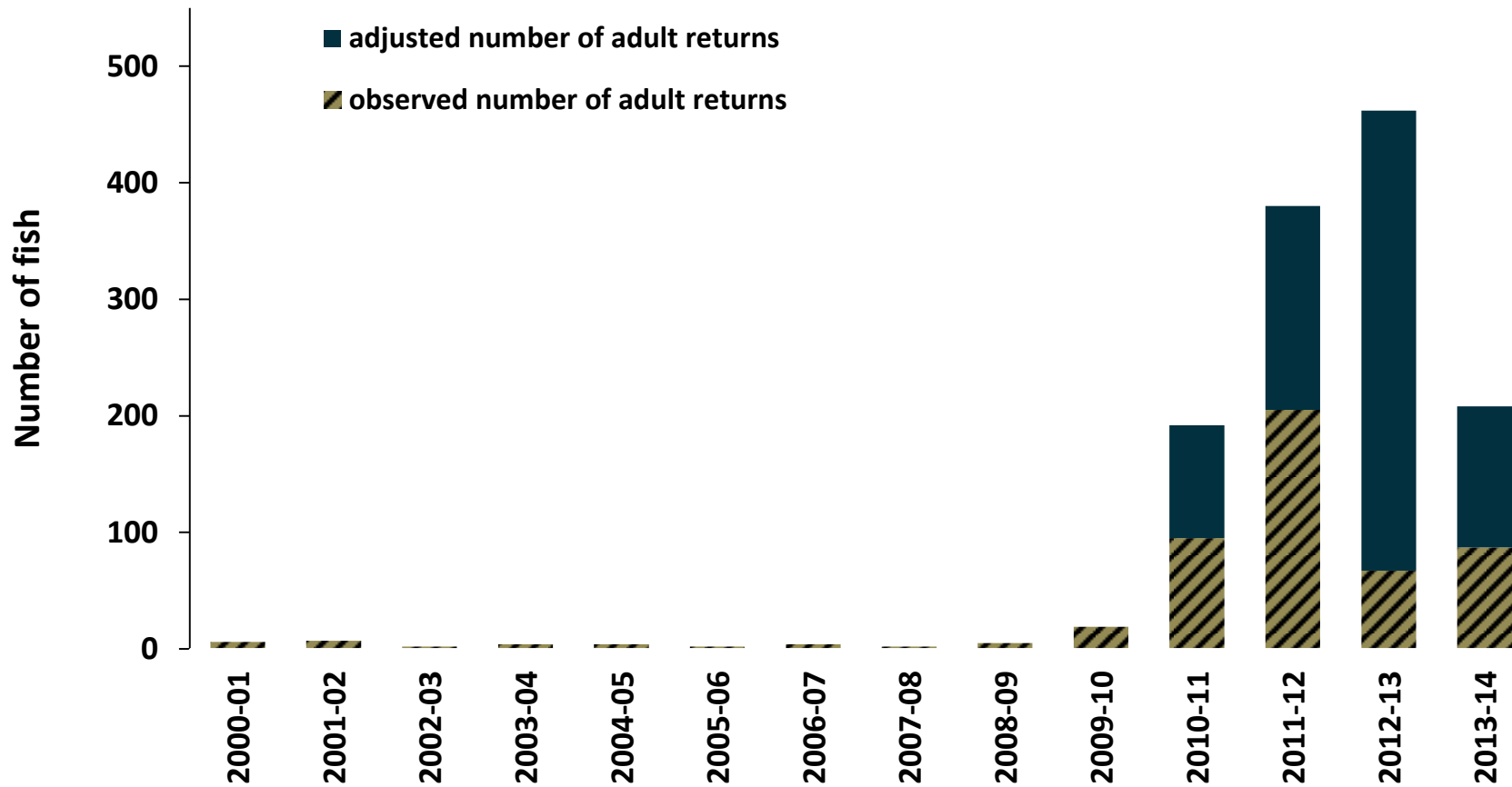


Redwood Creek Coho Salmon Abundance



Russian River Coho Salmon Captive Broodstock Program

Hatchery-origin adult coho returns to the Russian River basin



Russian River Coho Salmon Captive Broodstock Program

Spawning 2013/14

~200 female coho spawned (Russian River, Olema Creek, hybrids)
231,500 fingerlings (record production)

Outbreeding

Approx. 25% Olema Creek genetic ancestry

Planned Releases in 2014/15

Spring: 45,500

Fall: 118,000

Winter: 20,000 (pre-smolts)

Spring 2015: 28,000 (smolts)

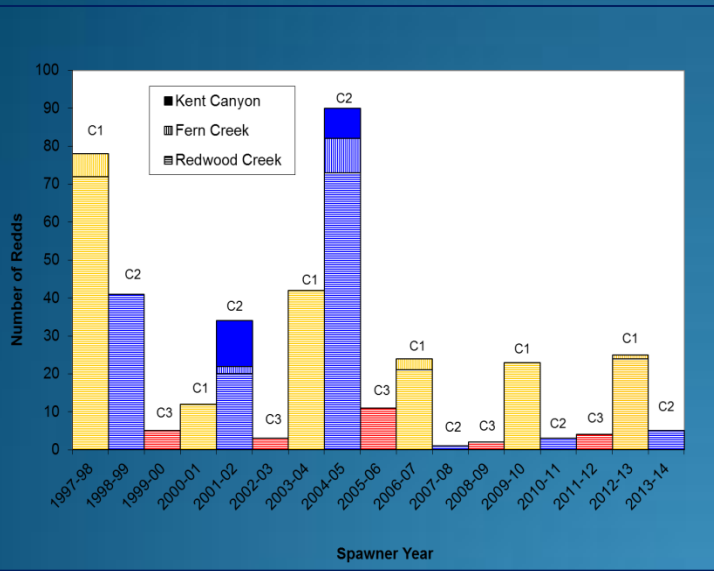
Total: 231,500, 22 tribes



Redwood Creek Coho Salmon Captive Rearing Program?

From Federal/State Recovery Plans

- Focus / Key Population
- Fed. down- / delisting targets: 136 / 272
- Fed. priority actions:
 - Develop a plan to re-establish abundance , while minimizing departure from the genetic profile ...
 - Evaluate supplementation strategies utilizing the existing population, ...



From PACT

- Captive rearing target: 50
- Develop a rescue rearing program to re-stock fish as adults (or other captive rearing program).

