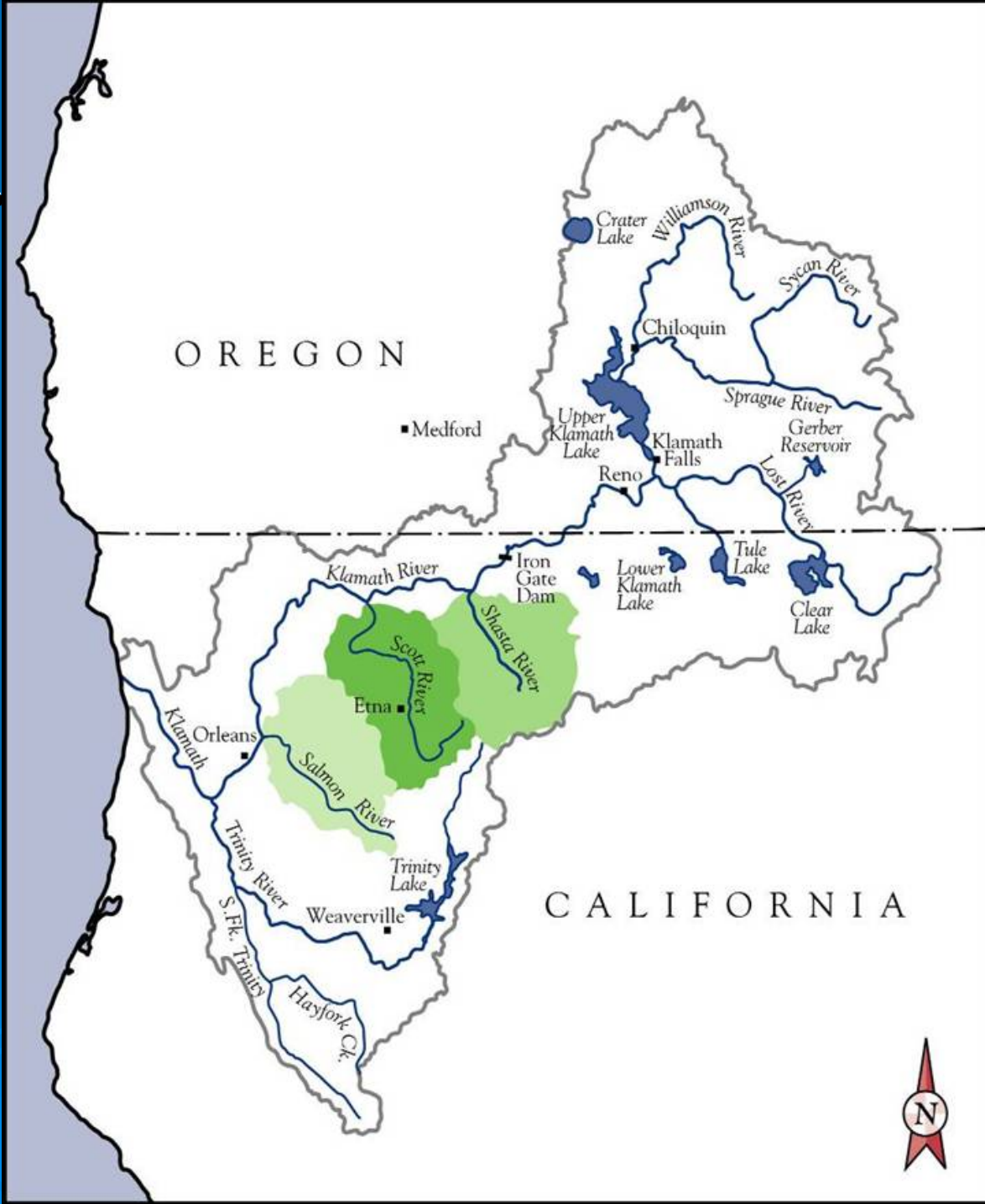


# Shasta River and Scott River Coho Salmon Recovery Update



Mark Pisano  
Cal Fish and Game  
November 2, 2010



# Coho Salmon Monitoring Activities

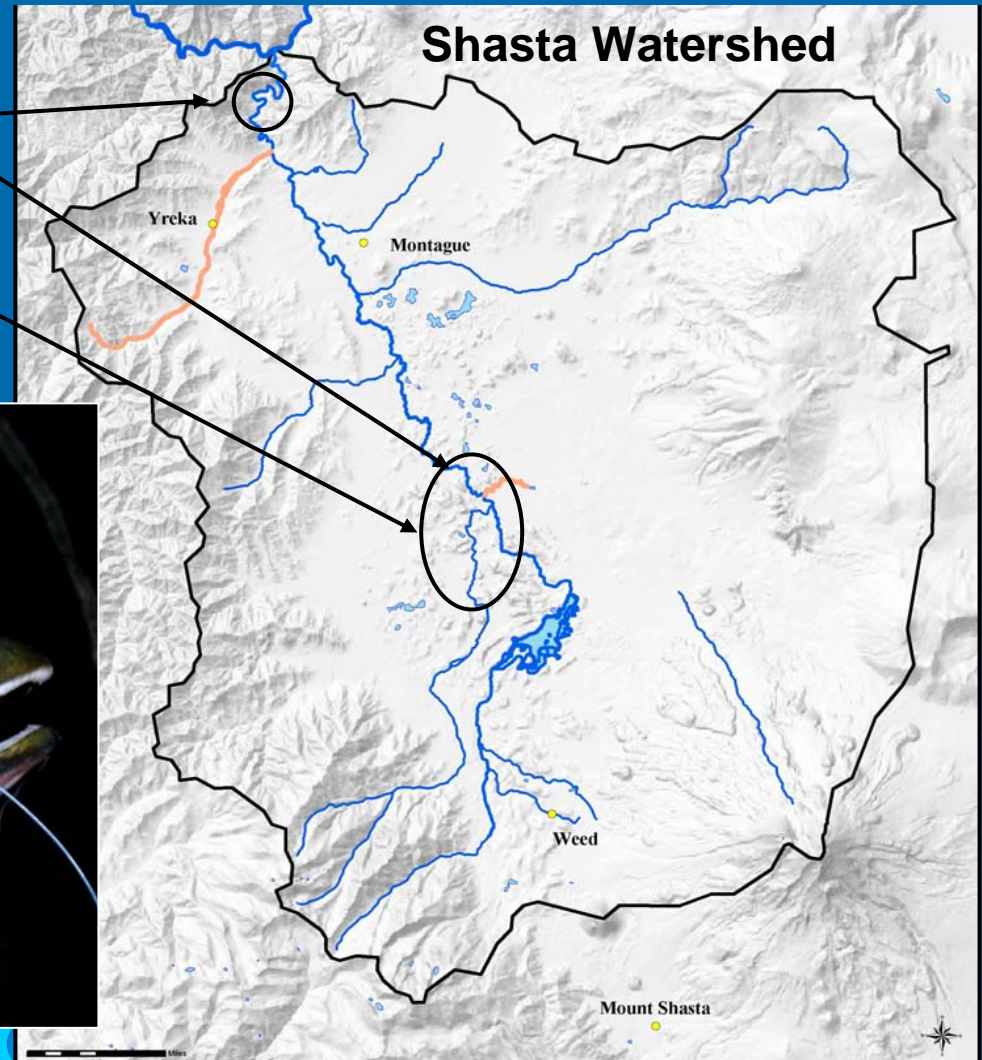
1. **Video Weir Counts for Adult Returns in Scott and Shasta Rivers.**
2. **Rotary Screw Trapping to Estimate Annual Production in Scott and Shasta Rivers.**
3. **Adult Radio Telemetry since 2004 in the Shasta River**
4. **Habitat Assessment in the Upper Shasta River**
  1. **Includes PIT tagging juveniles to assess rearing distribution and survival in the Shasta River**



# Spawning Distribution of Radio Tagged Coho Salmon Since 2004 and Known Rearing Area

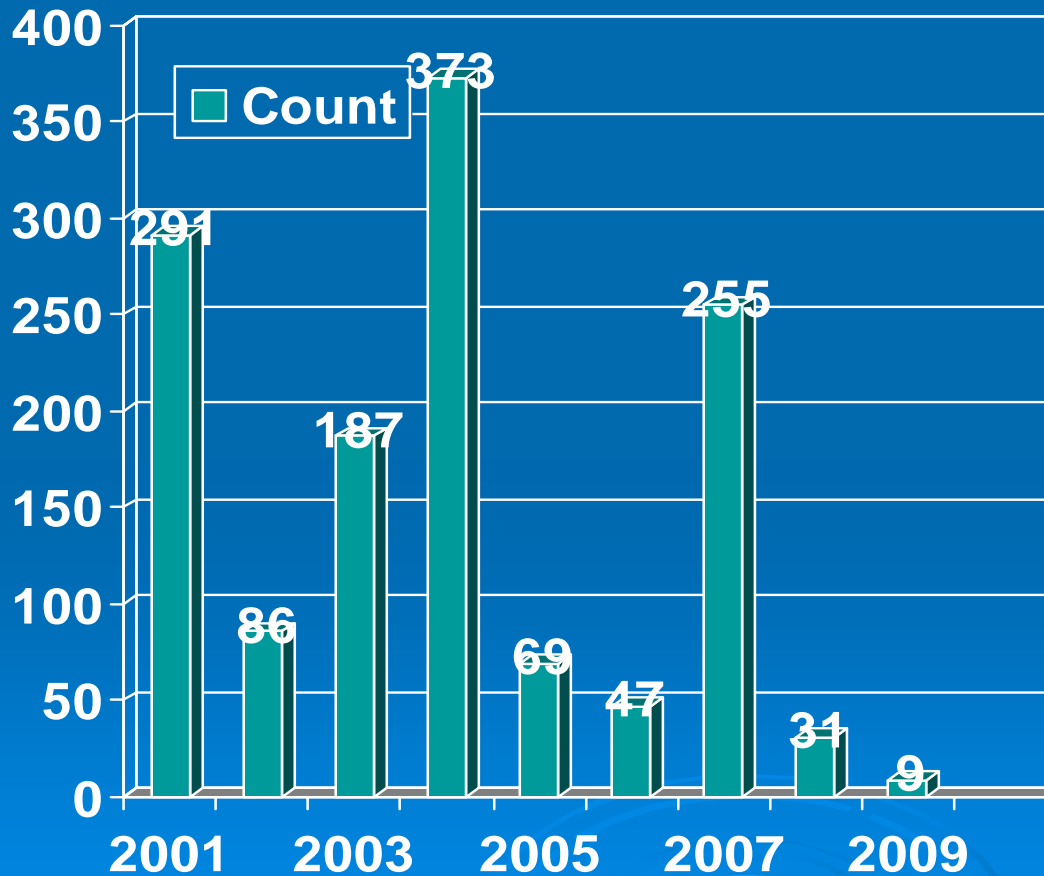
Spawning areas

Known rearing area

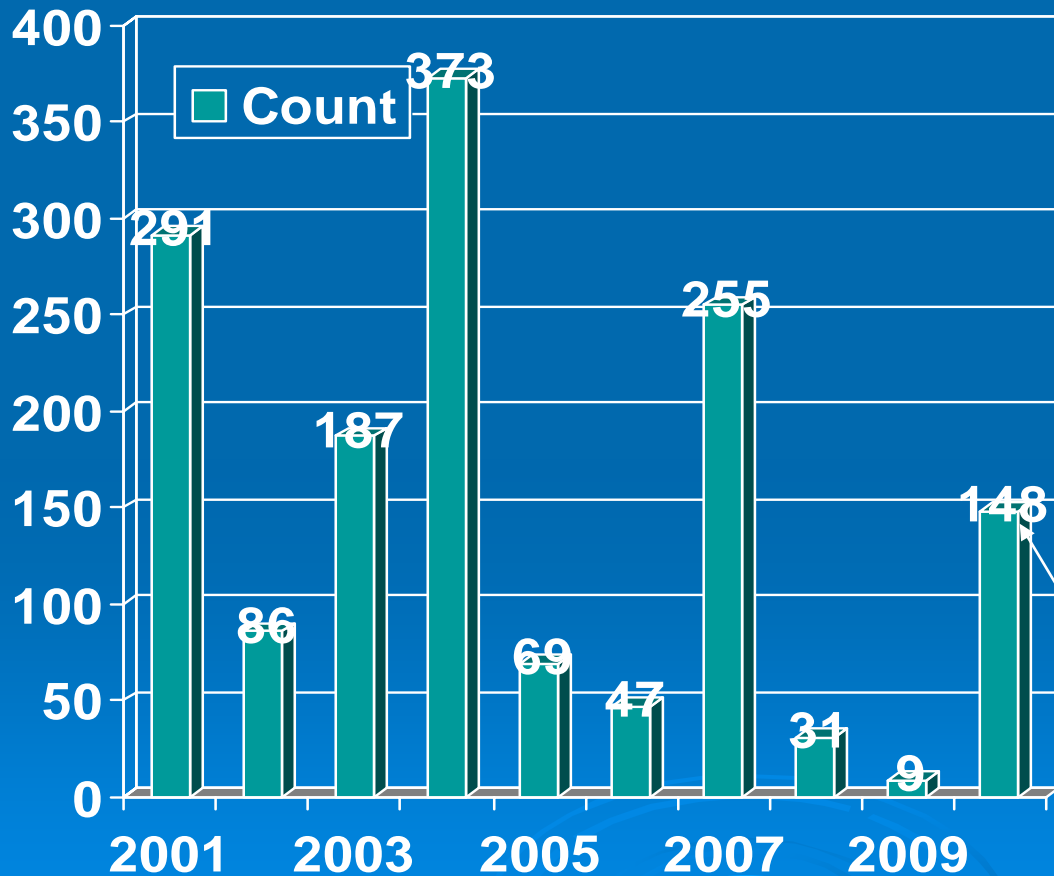




# Number of Adult Coho Salmon Returning to the Shasta River, 2001 through 2009

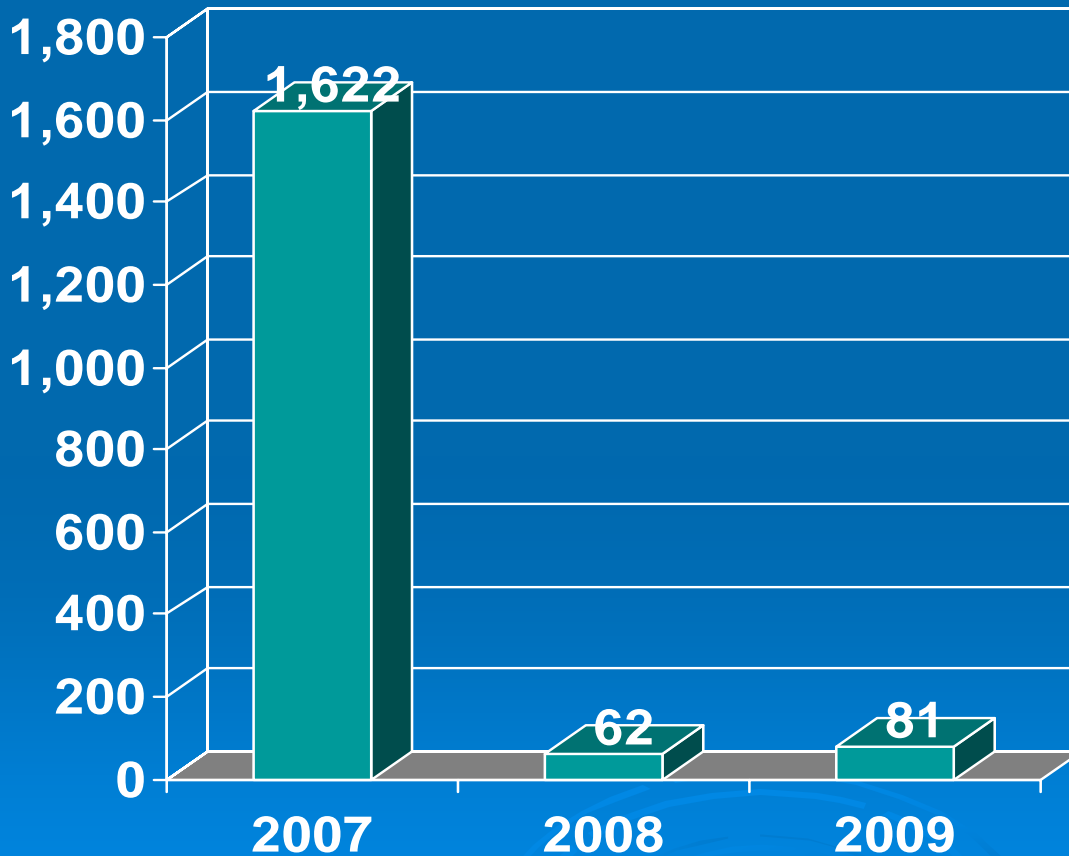


# Number of Adult Coho Salmon Returning to the Shasta River, 2001 through 2009



Projected 2010

# Number of Adult Coho Salmon Returning to the Scott River, 2007 through 2009



# Recovery Activities

- 1. DFG's Scott-Shasta Watershed-Wide Permitting Program**
  1. Program EIR's Certified in Sept 2009
  2. Incidental Take Permits signed by both RCD's in April 2010
  3. Deadline for enrollment was July 2, 2010
  4. DFG and the RCD's are processing notifications and applications.
  5. Individual site visits have begun and draft permits are being prepared
  6. DFG Wardens have initiated investigations for diversions for which neither an ITP application or LSAA Notification have been received.

# Recovery Activities - Shasta

## 1. Habitat restoration including:

1. Fish passage improvement projects
2. Fish screens on diversions
3. Livestock exclusion fencing
4. Riparian planting
5. Installation of alternative stock watering systems
6. Activities to reduce warm ag tailwater return

## 2. Studies

1. Water use efficiency in key areas
2. Instream flow recommendations
3. Water temperature modeling
4. Tail water return monitoring
5. Spawning gravel assessment

## 3. Other

1. Shasta Work Group



# Recovery Activities - Scott

## 1. Habitat restoration including:

1. Fish passage improvement projects
2. Fish screens on diversions
3. Livestock exclusion fencing
4. Riparian planting
5. Installation of alternative stock watering systems
6. Reductions in warm tailwater return

## 2. Other

1. Scott Water Trust working to provide water in key locations and at key times to benefit coho
2. Development of instream flow recommendations (just beginning)
3. Spawning gravel assessment

# Shasta River and Scott River Coho Salmon Recovery Update



Questions?

