



Monterey Bay Salmon & Trout Project

Salmon Recovery Efforts



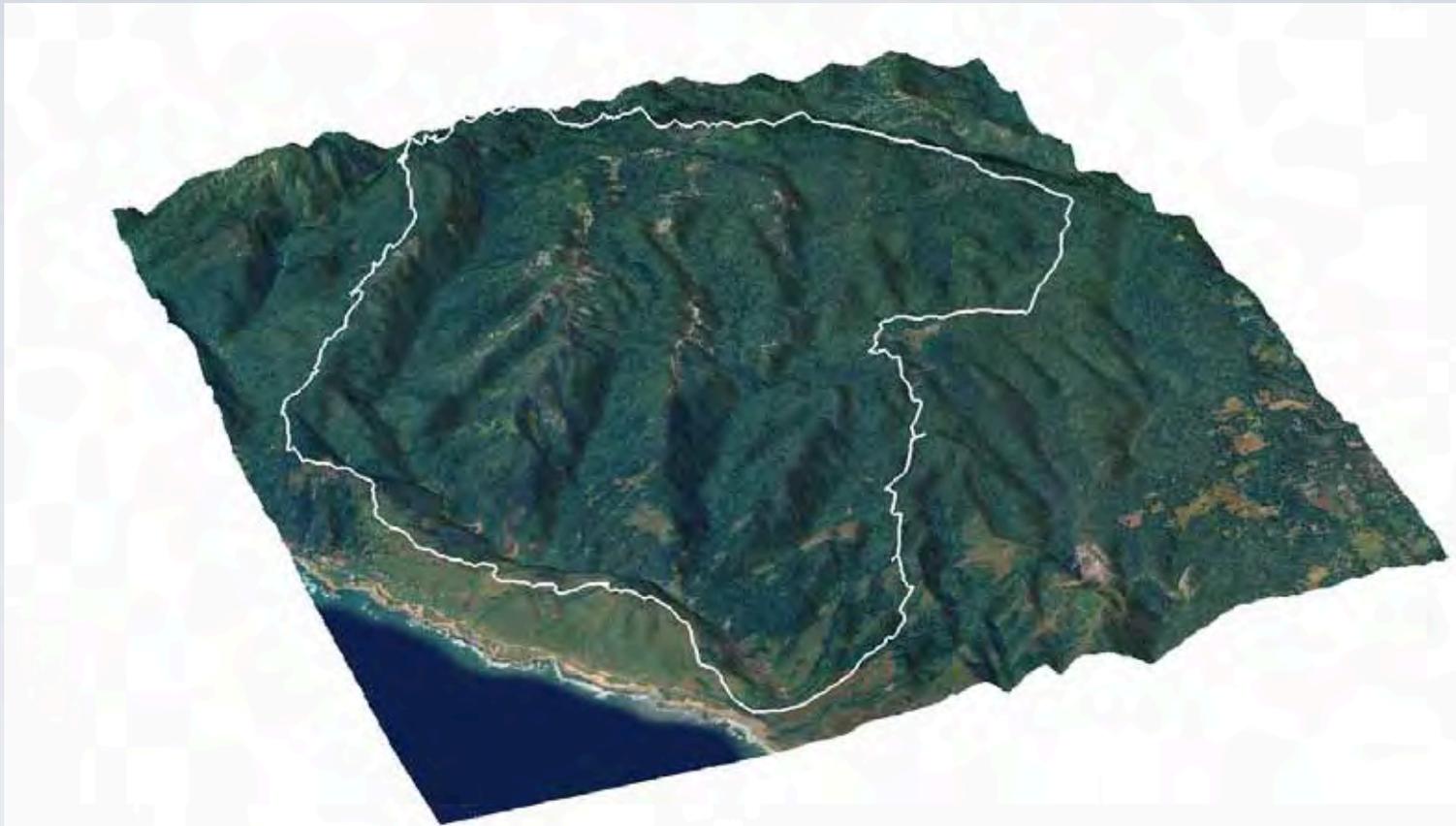
The Challenge

Fish in trouble



Four Programs

- Coho Restoration
- Steelhead Restoration
- Chinook Supplementation
- Salmon and Trout Education Program (STEP)



Scotts Creek Watershed

30 square miles

14 miles of stream accessible to salmonids



Cooperative effort
with NOAA Fisheries
and DFG

NOAA Science: Salmon Ecology Group at Terrace Point



coho restoration

MBS&TP INITIAL PRIMARY MISSION



Captive Spawning & rearing at Kingfisher Flats Hatchery

- Breeding matrix maximizes genetic diversity
- BKD treatment
- Focus on production of large healthy fish



Fish Capture

- Scotts Creek Weir
- Felton Inflatable Dam
- In-Stream Capture



Breeding Matrix

- Matrix protocols
- Fast turn-around genotyping



Water Quality control

- Clean source
- High quality collection and filtering



Initial trough rearing



Raceways

-Capacity up to 100,000 steelhead or 30,000 coho in two raceways



fin-clip volunteer event



Planting

Small batches of coho



Captive Broodstock

Some kept at Kingfisher Flats and some at the NOAA facility at Terrace Point



Steelhead Restoration

- Similar to the coho process
- Caution to avoid inter-basin transfer



Larger Batches of Steelhead Steelhead

- Basin specific
- Truck and tank can hold 10,000 fish max. (in two tanks)



Good planting sites are not abundant

15



MONTEREY BAY
SALMON
TROUT PROJECT
RESTORATION HATCHERY
CALL 831.458.3095 FOR INFORMATION & DONATIONS









Into the Wild



San Lorenzo River & Scotts Creek

San Lorenzo capture limited to what can be captured during operation of the inflatable dam.



Now what?

- Refine captive broodstock techniques
- Strengthen the MBSTP with new recruits to the board of directors and ranks of volunteers
- Seek new funding sources to strengthen the core programs

RECOVERY PLAN

FOR THE EVOLUTIONARILY SIGNIFICANT UNIT OF
CENTRAL CALIFORNIA COAST COHO SALMON



NMFS Coho recovery plan

“Secure long term funding of captive broodstock program for the Kingfisher Flat facility (Scott Creek)” Page 143



Money and Love

“Continue to operate MBSTP Kingfisher flat hatchery as a conservation hatchery, following guidelines of the DFG and NMFS” (DFG 2004)

“Expand the kingfisher flat hatchery as appropriate

“Work with MBSTP to find secure sources for long term funding of the facility”



STEP

Salmon and Trout Education Program



A transformative experience for most
students



Dave Streig



carla moss



Al Smith

Chairman of the Board of Directors