



**PARTNERSHIPS BOLSTERING IMPLEMENTATION OF NATIONAL MARINE
FISHERIES SERVICE SOUTHERN STEELHEAD RECOVERY PLAN**
Southern California



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C.E.P.**



NMFS Southern CA Steelhead Recovery Plan

- Characterizes steelhead biology and ecology
- Describes factors leading to federal listing
- Provides a threats assessment
- Projects climate change impacts in relation to recovery
- Employs research, monitoring, and adaptive management
- **Identifies recovery strategy and actions**

Final recovery plans can be downloaded from the NMFS website:
<http://www.nmfs.noaa.gov/pr/recovery/plans.htm>

Extent of Southern Steelhead Population (CA)



Steelhead recovery status

What's working?



Champions
arising

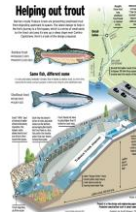


Funding



Multi-benefit
improvements

What's not working?



Lack of agency
alignment



Fear stagnates
process



Inflexible
funding/permitting

What can be done to help bolster implementation of the recovery plan?



Education



Aligning Agency Partners



Enforcement



Funding Strategies



Malibu Creek Ecosystem Restoration Moving Forward

Existing Condition

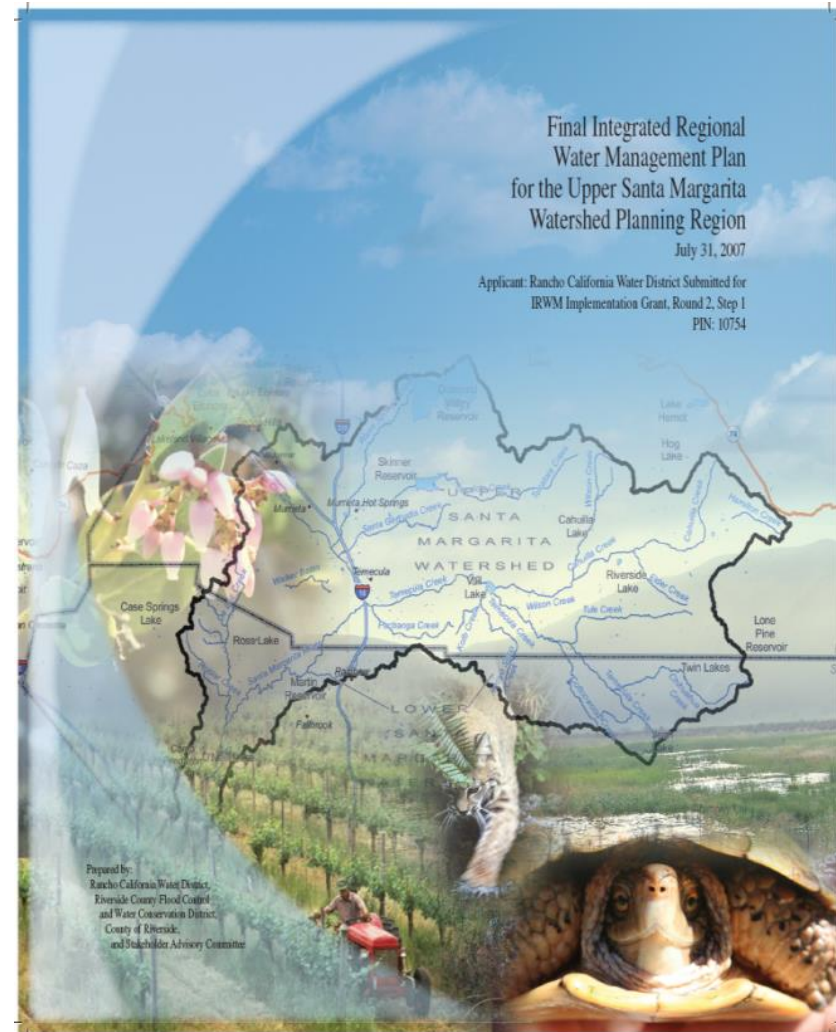


Future Condition



Integrating NMFS Southern Steelhead Recovery Plan with IRWMPs

- Stream restoration in the Santa Margarita River drainage, including assessment of limiting factors for Steelhead, habitat restoration projects to include invasive removal, in-stream and riparian restoration to provide habitat, BMPs and water quality monitoring



Recovery Plan leverages multiple funding sources toward implementing watershed goals



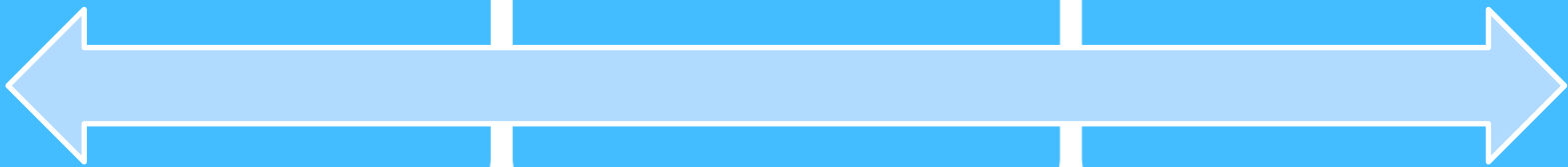
Completed
Watershed
Assessment



Addressing
TMDLs



Promoting
Water Quality
and Water
Conservation



Trabuco Creek Multi-Benefit Channel Improvements



Stabilize Channel



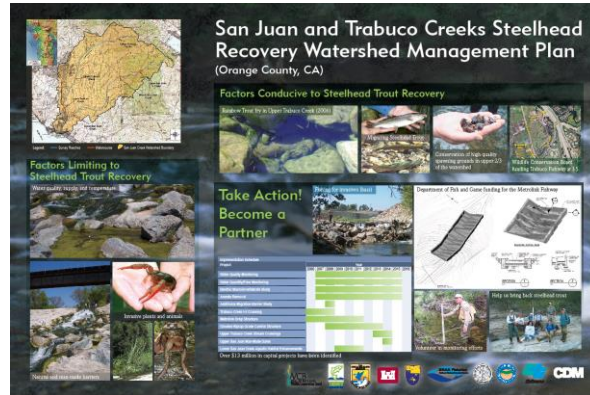
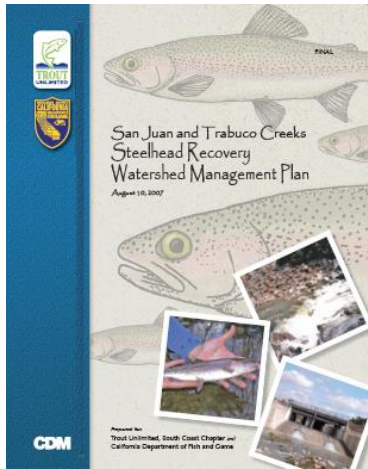
Improve Water Quality



Recover Species



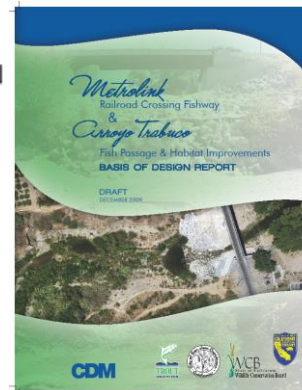
Trabuco Creek Multi-Benefit Improvements Partnership Process



Agreement

Funding

Trout Unlimited



**TROUT UNLIMITED
TRABUCO FISHWAY AT I-5
OCTOBER 2007**



Implementing the San Juan and Trabuco Creeks Steelhead Recovery Watershed Management Plan

Steelhead Recovery Benefits Southern California Watersheds and Communities



George Sutherland, Trout Unlimited, South Coast Chapter