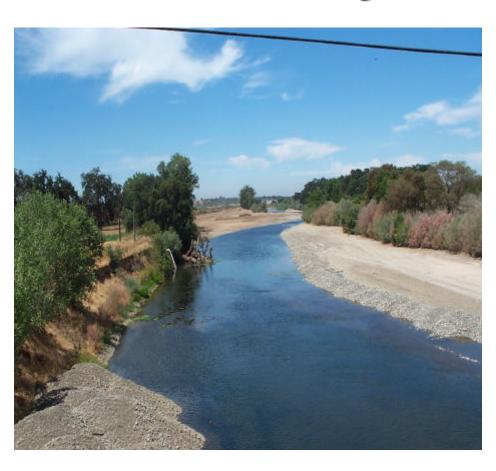


Channel Restoration

Tuolumne River Mining Reach: 7/11 Segment



- Restoration 90% complete
- 1.2 miles of river rehabilitated
- Floodplain restoration
- Spawning gravel added
- Mining pit isolation
- Anti-stranding channels
- Re-vegetation and monitoring pending



Channel Restoration

Merced River Wing Dam Gravel Study



- Determine if wing dam construction can augment spawning gravel in Merced River
- Used radio-telemetry and painted rocks to track gravel movement
- Waiting for results from higher flows



Research

Lower Calaveras River salmonid life-history limiting factor analysis

- Ongoing field work to determine salmonid occurrence and distribution
- Reduced flows downstream of New Hogan Dam limit adult and juvenile passage
- Project will reveal the status and carrying capacity for salmonid runs



Redd and juvenile surveys below New Hogan Dam (April 2002).



Research

The economic impact on Stanislaus County of public land acquisitions and conservation easements on floodplain lands along the lower Tuolumne and San Joaquin rivers

FINAL REPORT

THE ECONOMIC IMPACT ON GLENN COUNTY OF PUBLIC LAND ACQUISITION AND HABITAT RESTORATION ACTIVITIES IN THE SACRAMENTO RIVER CONSERVATION AREA

U.S. Fish and Wildlife Service Contract Number 11332-9-G018

By

Ronald G. Adams

David E. Galle

With Assistance from Bridget Capate

Chico Research Foundation

Office of Sponsored Programs

California State University, Chico

June 15, 2001



Research

Stanislaus River: Caswell Rotary Screw Trap



- Documents juvenile salmonid migration and abundance trends
- Documents juvenile Chinook salmon response to flow
- Found variable juvenile life history patterns
- Years 1 and 2 trends complete



Habitat Modeling

Merced River: Robinson Reach PHABSIM/2D Post-Restoration Modeling



- Assess restoration benefits at Robinson Reach using PHABSIM and 2D modeling
- Pre project and first year postproject data collection complete
- Data analysis in progress



Habitat Modeling

Merced River Temperature Modeling



- Model reservoir operations in the Merced River to optimize temperatures for Chinook salmon
- Compiled physical specifications, operating strategies, and biological monitoring activities