

# Castro Cove Case Study Cooperative NRDA

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California (Teale)  
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 NAD 83

## Castro Cove Vicinity Map



# Castro Cove



- Ongoing remediation by Chevron under Regional Water Quality Control Board
- Dredging to remove contaminated sediment
- Desire to resolve site issues including NRDA



# Key Issues for Trustees

- Appropriate Compensation for Injuries
- Transparency and Public Outreach
- Timely Resolution of Issues to Get to Restoration



# Key Issues for Chevron

- Manage Costs
- Consideration & Use of Baseline Data
- Focus on Restoration
- Public Outreach

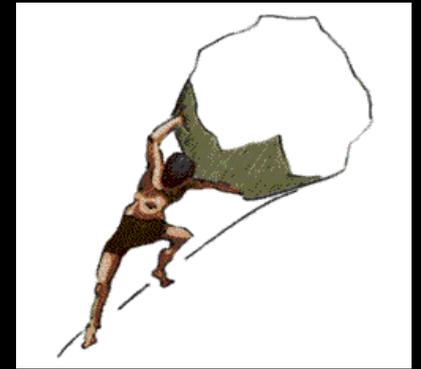


# Getting Organized

- Pre-Meetings with Trustees
  - Discussed Mutual Possible Concerns
  - Compiled & Shared Existing Data
  - Aligned on Moving Forward
  - Agreed to Focus on Restoration



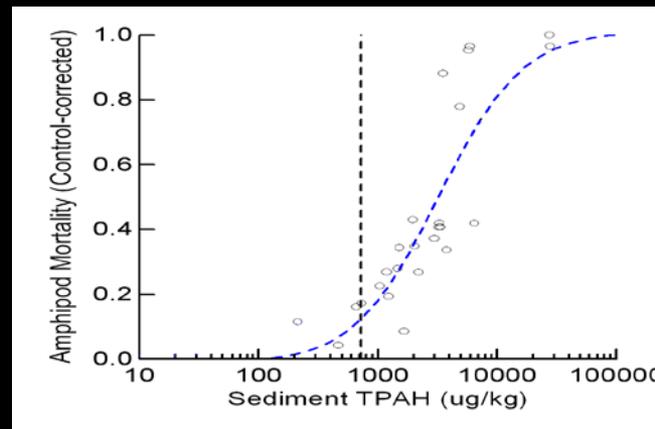
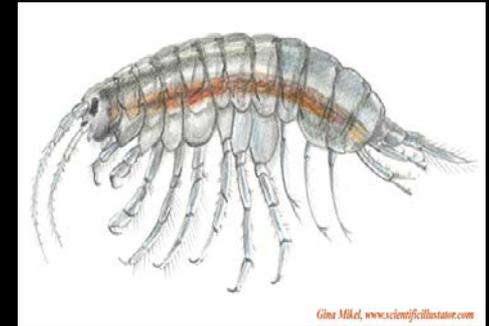
# Work Process



- Chevron Volunteered to Do Admin and Technical Work - Trustees Agreed
- Formed NRDA Technical Work Groups & Management Committee
- Site Visits: Castro Cove and Restoration Sites

# Injury Assessment

- Agreement on Proposed Approach
  - Available & Relevant Sediment Data
  - Application of Baseline and HEA
- Management of Uncertainty
  - Conservative Assumptions
  - Application of Screening Level Eco-risk Assessment
- Level of Injury vs. Level of Service Loss
  - Trade-offs of Assumptions & Studies



# Restoration Planning

- Start Early
- Screen Alternatives
  - Sort by Cost/Benefit/Connection
- Choices Can be Limited
  - Uncertain Cost/Limited Benefits at Proposed Breuner Marsh Site
  - Cullinan Ranch-Good Project, but in Different County
  - Research Projects
- Value of Visiting Potential Restoration Sites
- What We Learned About Cost Estimates



# Summary

- Prior, Positive Relationships Accelerated Process
- Pre-Meetings Valuable - Discuss Mutual Concerns
- Assessment Accounted for Baseline Data
- Focused on Restoration



# Questions? Comments?

- [restoration.doi.gov/Content.aspx?ContentId=64](http://restoration.doi.gov/Content.aspx?ContentId=64)
- [www.darrp.noaa.gov/southwest/castro/index.html](http://www.darrp.noaa.gov/southwest/castro/index.html)
- [www.dfg.ca.gov/ospr/Science/chevron\\_castro\\_cove.aspx](http://www.dfg.ca.gov/ospr/Science/chevron_castro_cove.aspx)