

CARCD 72<sup>nd</sup> Annual Conference  
“Dynamic Partnerships, Relevant Results”  
November 2017 – Sacramento, CA



RESOURCE  
CONSERVATION DISTRICTS

# Scott Creek

~~Bridge Replacement and Lagoon Restoration~~  
Lagoon and Marsh Restoration (with a bridge)



# Scott Creek Bridge

- Built in 1936
- Nearing end of its useful life
- CalTrans Worked on Replacement Project 2008-2012



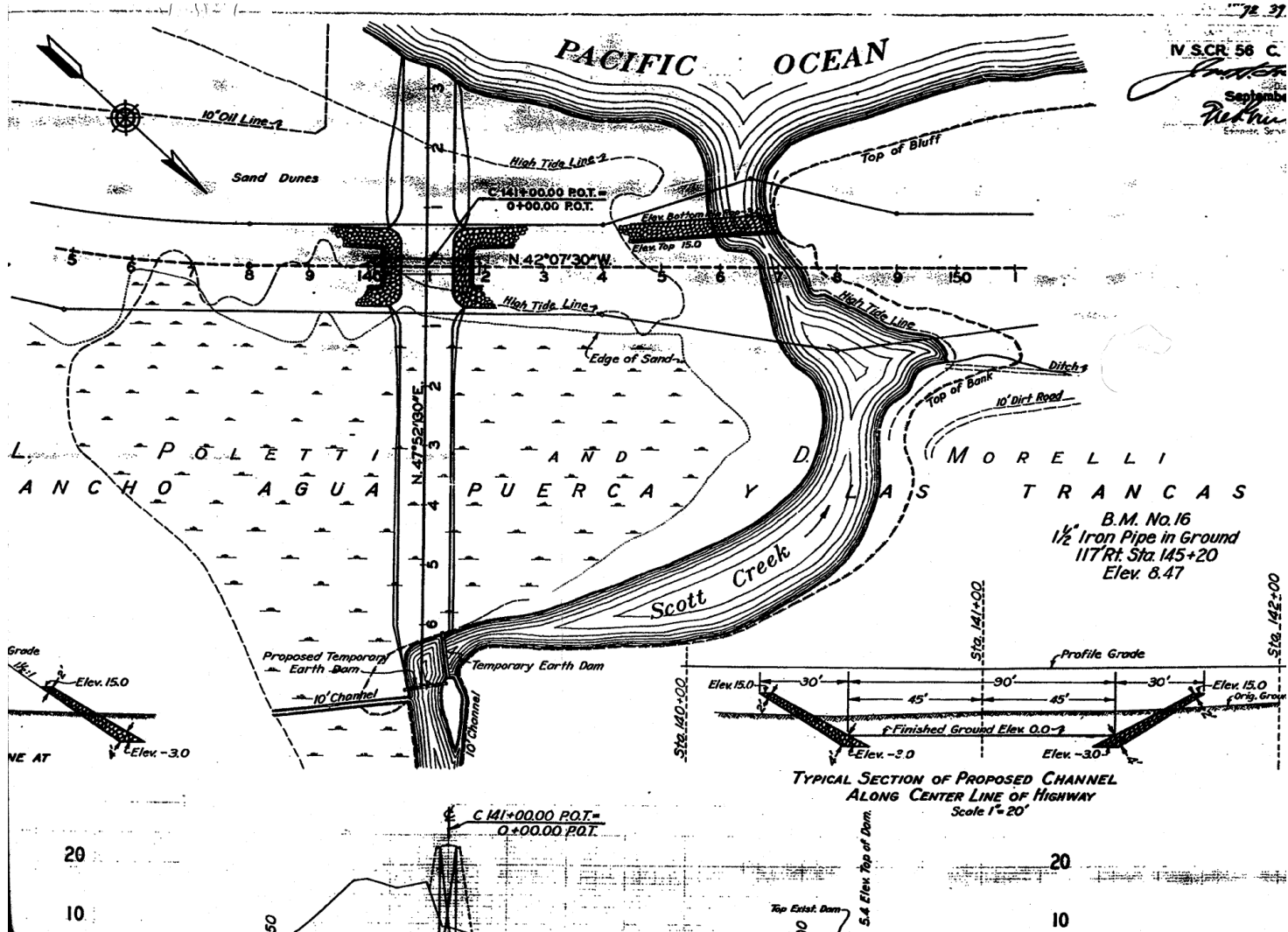


# Aerial photograph of Scott Creek in 1928.

Source: University of California Santa Cruz.



# As Built for Scott Creek Bridge



# Aerial photograph of Scott Creek in 1940.

Source: California Polytechnic University, San Luis Obispo.



# Scott Creek 2014

Source: Google Earth



# A Math Equation



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# Wait, there's more....



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CALIFORNIA  
COASTAL  
COMMISSION



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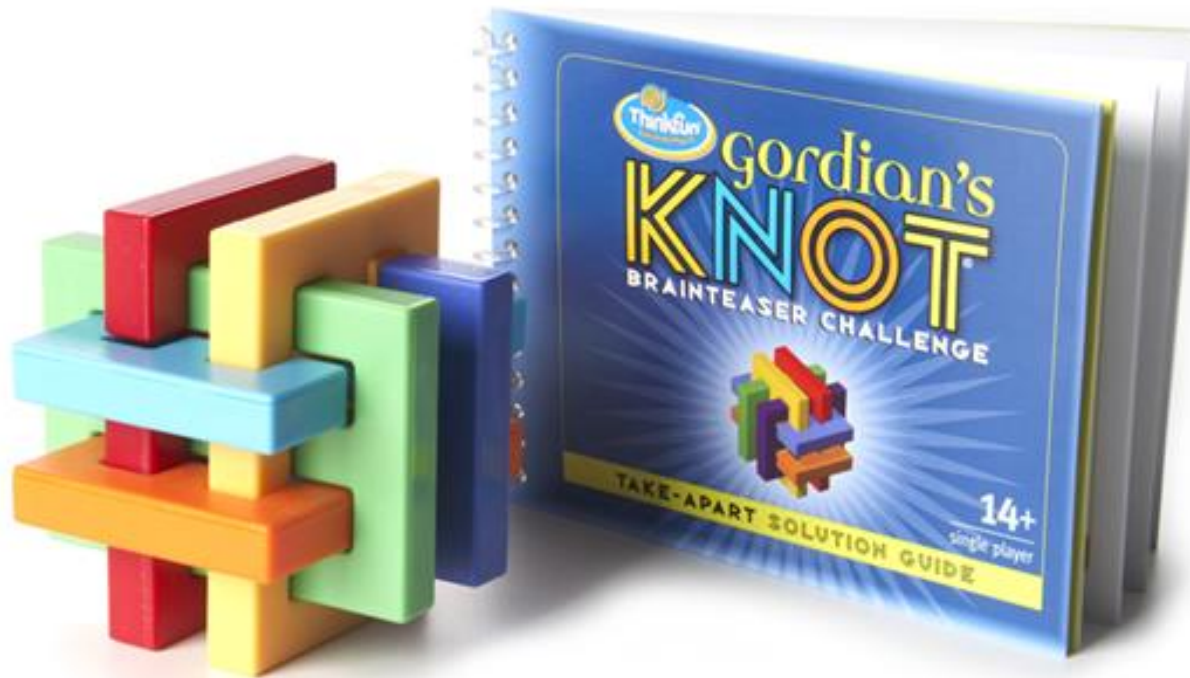
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# Next, Add In...



# Answers?





# Preferred Option





# Agencies *and* CalTrans Working Together w/ RCD Greasing the Wheel

- IWRP Model
- MOU signed in 2013
  - Resource Conservation District
  - County of Santa Cruz
  - Regional Transportation Commission
  - Cal Trans
  - Cal Poly Swanton Pacific
  - Advisory Group (Regulatory Agencies)
- Workshops held in Late 2013 and January 2014 to develop Design Criteria
- Preliminary agreement on Design Criteria
- **What does the lagoon / marsh complex need to restore function?**
- **Let's spend taxpayer dollars in the way they intended...**  
**(not on infighting, finger pointing, lawyers and duplicative work)**

# We Love Our Funders!!

- **U.S. Fish and Wildlife Service**
  - Walking the talk
- **CalTrans**
  - Effective use of mitigation dollars
- **State Coastal Conservancy**
  - The ‘venture capitalists’ of restoration and recovery
- **Wildlife Conservation Board**
  - Embracing opportunity and taking a risk

# What *does* the system need?

- Acronym soup of technical studies and modeling
  - QCM, HEC-RAS, X-Beach, SLAMM, 2-D, sediment transport...
  - Water quality, groundwater quality, sediment chronology
  - Physical processes::Ecological Responses
    - (if we do this it will have the effect of that...)
    - 60% PS &E
  - But the old battles keep coming up...

To be  
continued....