

San Dieguito Wetlands Restoration Project

2004 Update

David Kay
Manager, Environmental Projects
Southern California Edison Company

Key Points


- Review of Project Design
- EIR upheld by Court of Appeals
- Final Design and Engineering Underway
- Permitting and Construction

Information Resources

www.villageswetlands.com/links

- JPA Website
- SCE Website
- EIR
- Final Restoration Plan
- Supplemental Studies

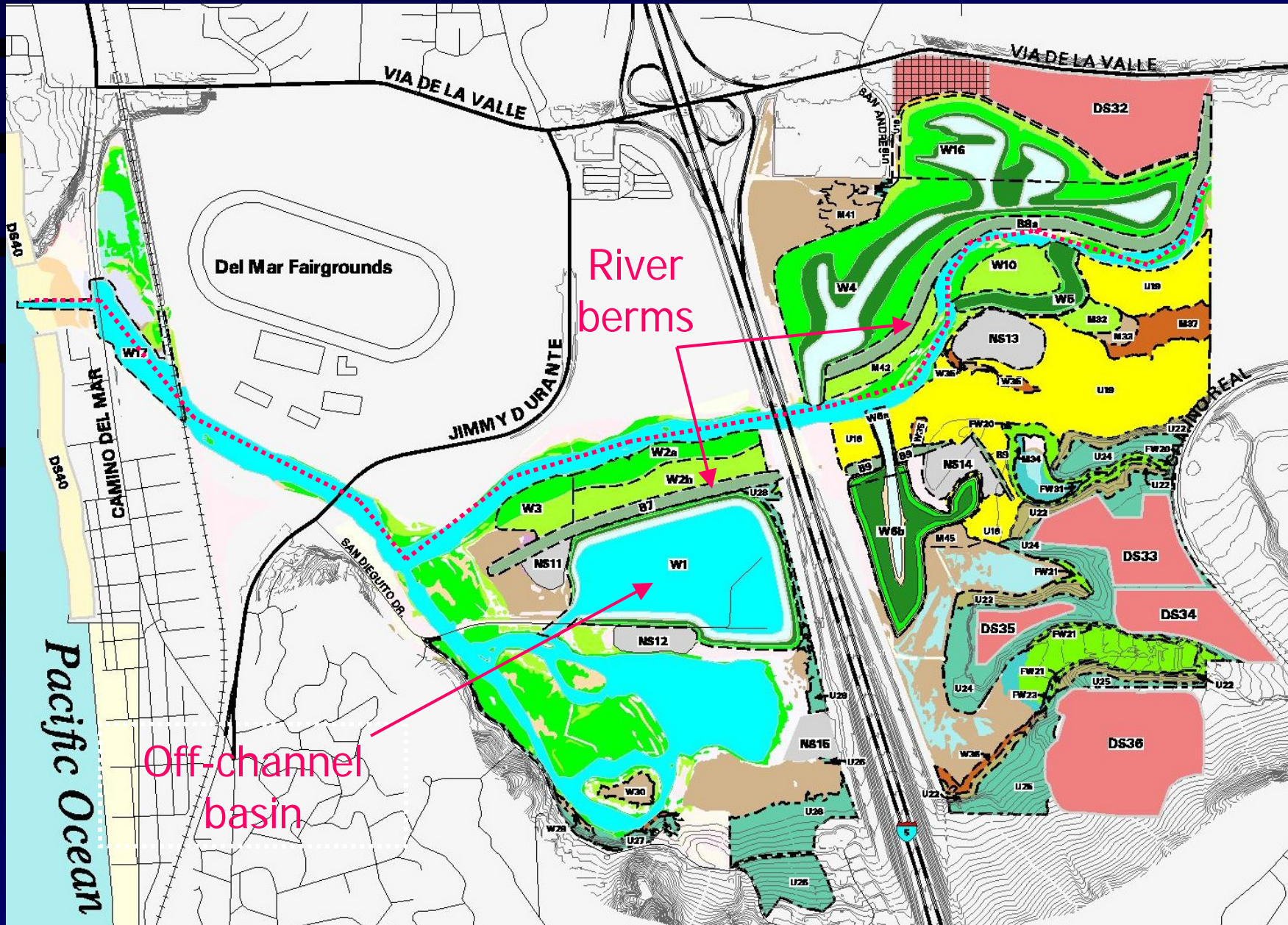
Project Design Review

- Mandatory design criteria:
 - No increase in river scour or flood risk
 - Maintain open ocean inlet
 - No loss of beach sand
 - Off-channel tidal basins
 - Airfield, Behind Albertson's
 - Create wetland habitat, increase tidal volume
 - River Bank Berms
 - Facilitate sand transport to beach
 - Prevent sedimentation of tidal basins
- 

Wetlands Project Area



Wetlands Project Plan View







Project Design and the Court

- Design was modeled by experts, reviewed by more experts, peer reviewed again by still more experts
 - Conclusions: No scour, flooding or beach erosion
 - Modeling as certain and reliable as science allows
 - Incorporated into EIR
- Del Mar Sandy Lane Assn. challenged conclusions
- Appeals Court Upholds EIR (August 2003)
 - EIR approval was based on substantial evidence from credible sources
 - Evidence shows opposite of plaintiffs' claims, validates design
 - Beach sand enhancement, **not** erosion

Open Inlet – Normal Conditions



Channel:

-2 feet, 60 feet wide at bridge,

-1 foot at berm

Ebb Shoal

Sand
Movement



Ebb Shoal

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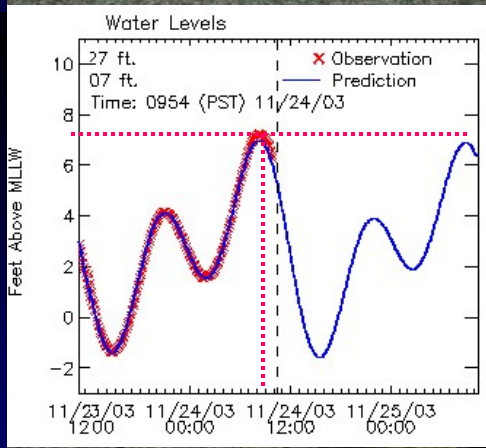
Post-EIR Studies of Beach Erosion

Additional Assurance

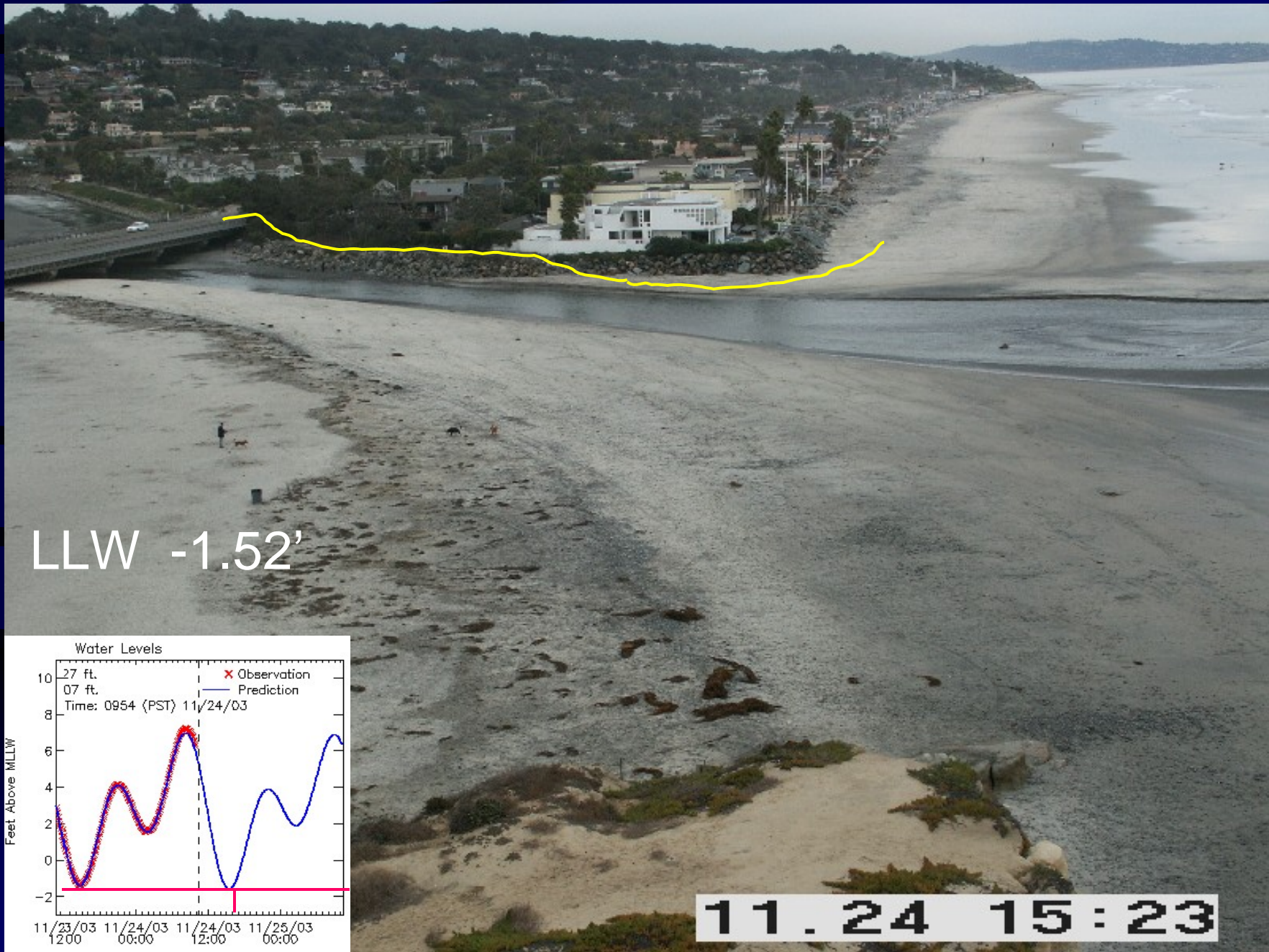
- Supplement to be published by JPA
- Elwany, Flick and Hamilton (2003):
 - Analyzed 17 artificial and 5 flood-induced inlet openings over 23 years
 - No difference in beach width or sand thickness before vs. after opening
 - No difference near or far from inlet
- Jenkins, Wasyl and Elwany (2003)
 - Re-modeled effect of project on inlet and beach condition
 - Existence of bypass bar (ebb shoal) reaffirmed
 - Project (open inlet) will increase sand volume of Del Mar beaches by 23,000 cubic yards



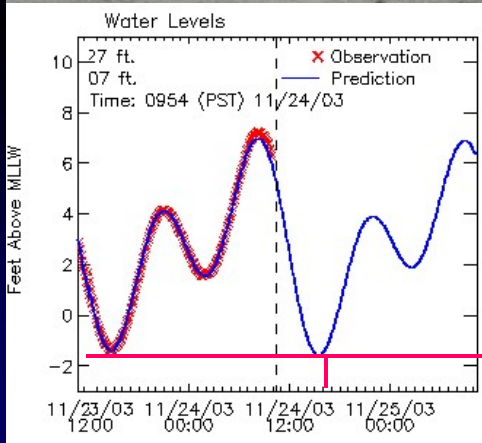
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LLW -1.52'



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Mitigation for Beach Access Impact

- Inlet will be maintained "open" – water will always be present
- EIR Mitigation: Improve footpath to PCH



Looking Forward – 2004-05

- Final design & engineering: Present – July 2004
 - Verify final design
 - Produce construction docs
- Secure various permits: Present - Summer 2005
 - Opportunity for Public Comment
 - Opportunity to Propose Conditions
- Begin Construction: Summer 2005
 - 3-year phased construction







The End