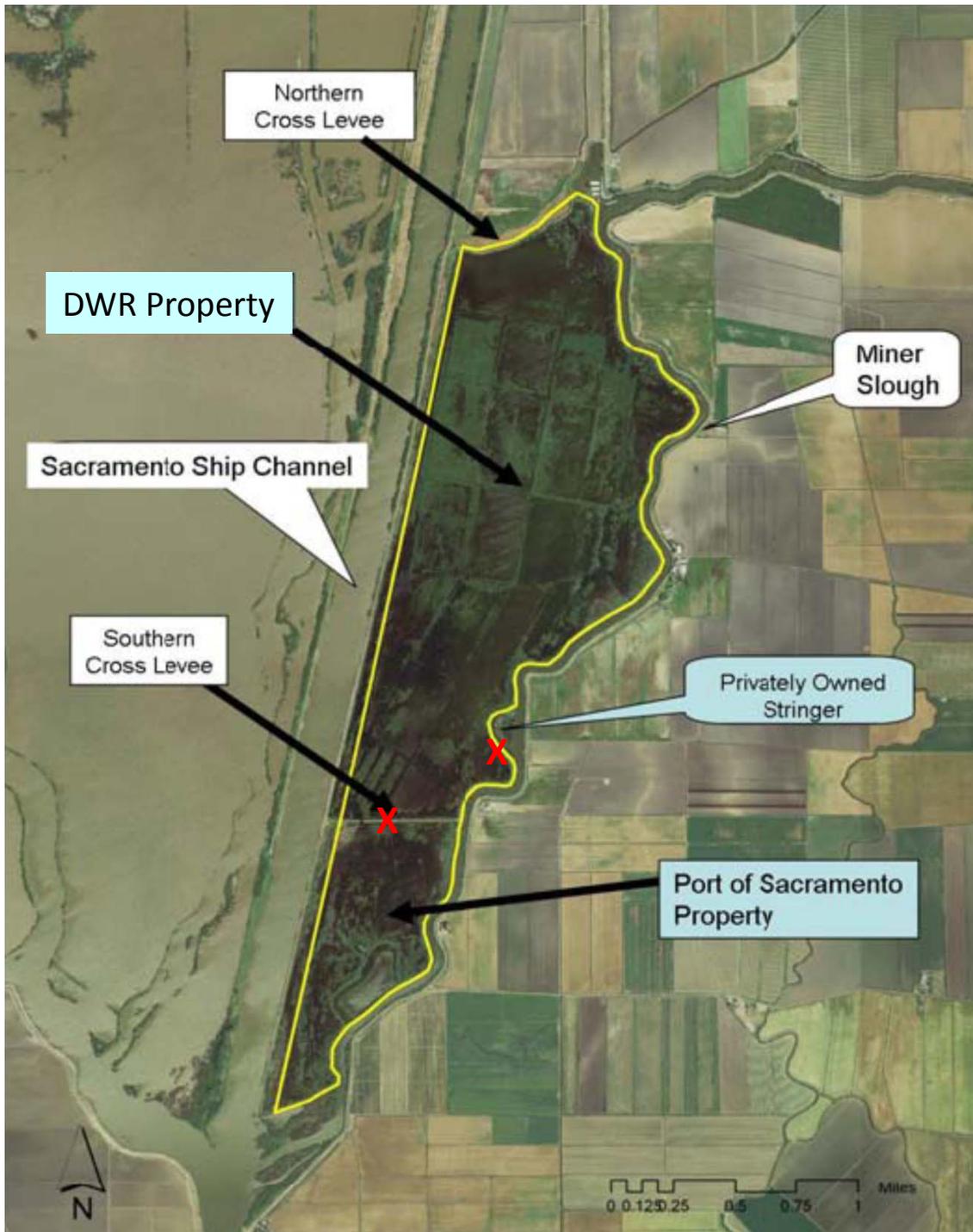


PROSPECT ISLAND RESTORATION



Prospect Island





Prospect Island

- Historically farmed
- Part of Yolo Bypass
- Bought by USBR in 1994 for NDNWR
- 2000 – Congress fails to authorize NDNWR
- **X** – 2007 breaches
- 2009 – Federal Govt. makes available via PBC process
- Northern 3/4 of the island acquired by DWR in 2010

Prospect Island Existing 'Feral' Vegetation



Alternatives Selected for Modeling

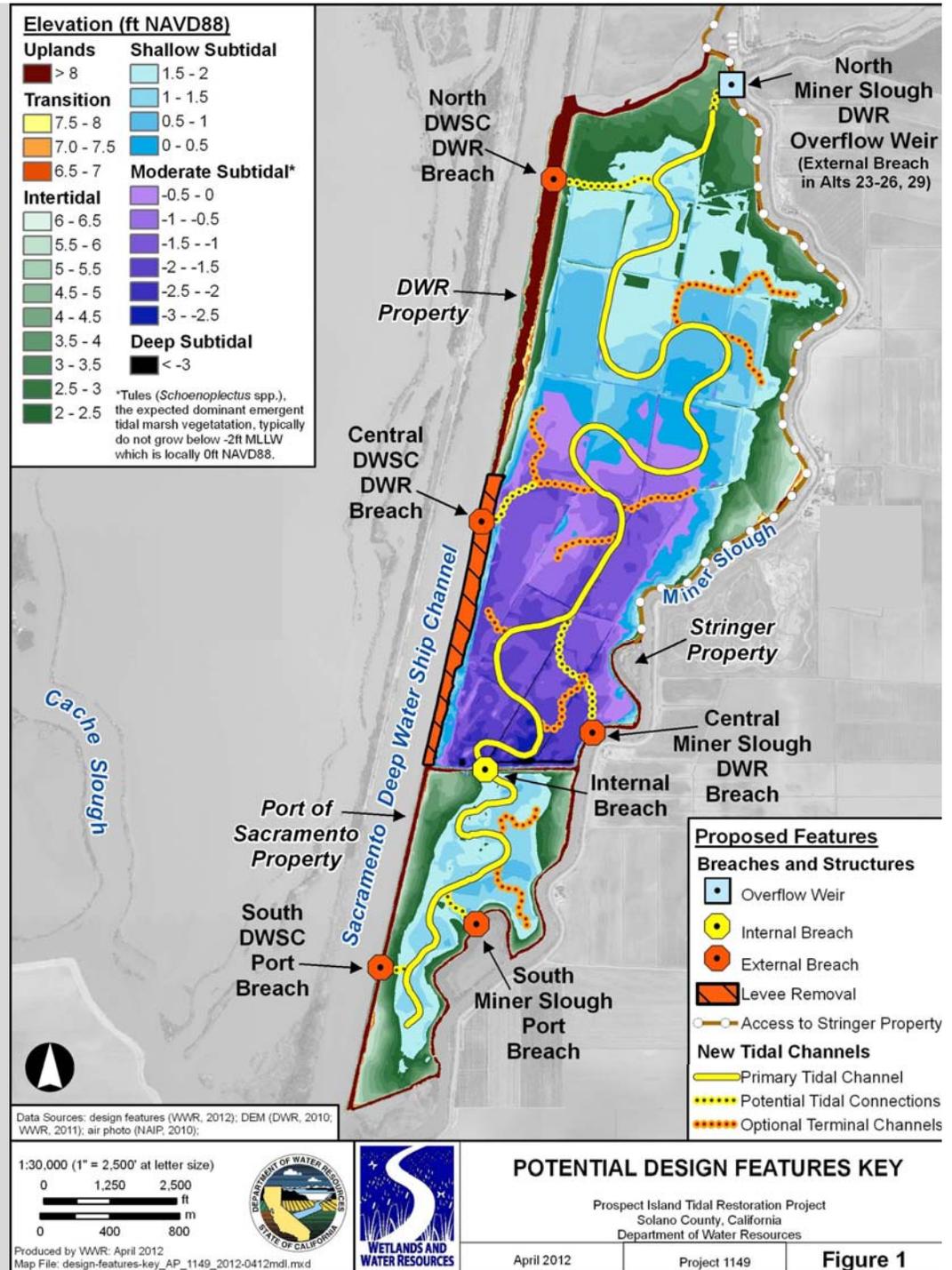
- 30 restoration alternatives formulated to represent *broad range* of ecological outcomes
- 15 chosen for screening-level modeling and assessment based on attributes anticipated to result in *broad range* of outcomes

Key approach: maximize differences across selected alternatives to assess greatest contrasts

Conceptual Alternatives

Design Features Key

- Breaches
- Overflow weir
- Primary channels
- Secondary branch channels
- Connecting channels depending on selected breaches
- DWR and Port properties
- Adjacent property access



Current Issues

- DWR access
- Property owner easements
- Seepage
- Vandalism
- Illegal hunting



Interim Land Management

- Attempted RD resurrection
- Levee clearing
- Inspection
- Repair

RECLAMATION

Managing Water in the West

Prospect Island Miner Slough Levee Inspection Report



U.S. Department of the Interior
Bureau of Reclamation
Mid-Pacific Region

Inspected on February 27, 2008

Levee Maintenance



Station 95+65 – Sloughing on levee crest



USBR Prospect Island Miner Slough Levee Inspection Report - Feb 2008

Station 62+50 – Sloughing at water's edge



USBR Prospect Island Miner Slough Levee Inspection Report - Feb 2008

Priority 1 (Severe) – Station 120+00 – Steep slope with a hole over 9 feet deep:



USBR Prospect Island Miner Slough Levee Inspection Report - Feb 2008

Special Thanks To:

- Dennis McEwan
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- Gina Benigno
- Ling Chu
- Pam Lindholm

Laura Flournoy



*Blacklock Levee Breach, Oct 2006
Photo: S. Siegel*