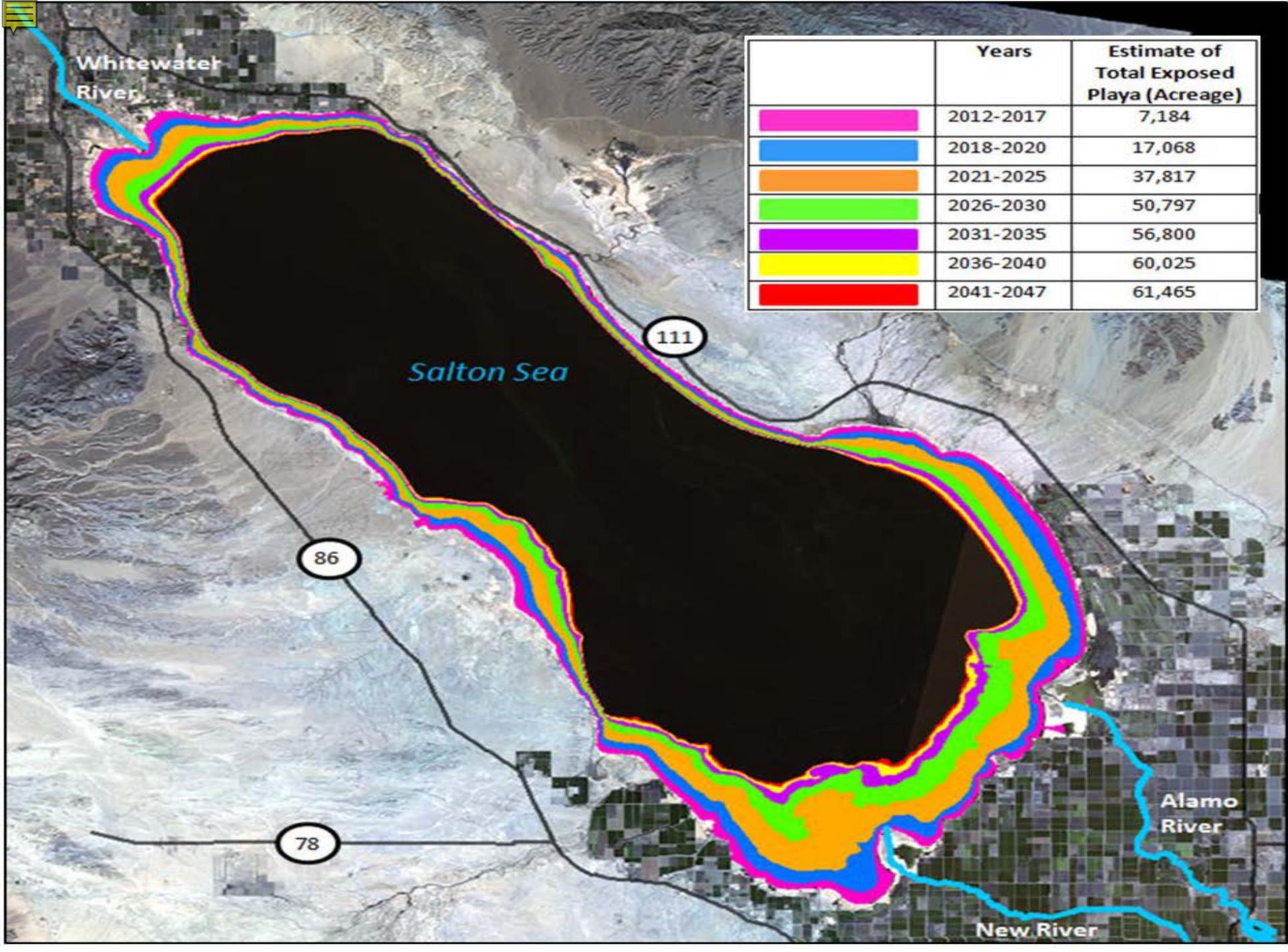


Salton Sea Management Program

WRPI

April, 2016

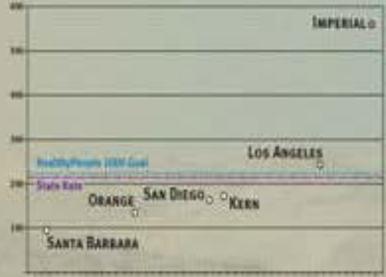






1999 PM_{2.5}
 Annual average of 24-hour measurements from air quality management district monitoring stations in micrograms per cubic meter (µg/m³)

- Green circle: White standards (less than 35.0 µg/m³)
- Orange circle: Current state standards (50.0 - 150.0 µg/m³)
- Red circle: Exceed federal and state standards greater than 150.0 µg/m³



Childhood Asthma Hospital Discharge Rates
 Number of asthma related discharges per 100,000 people for children aged 0 to 19 by County, 1997 - 1999

- White: less than 100 children
- Light Orange: 101 - 200
- Orange: 201 - 300
- Dark Orange: 301 - 400
- Red: more than 400 children

Imperial County

San Diego

Los Angeles

Riverside

Bakersfield

Sacramento

San Francisco

Redding

LOS ANGELES

ORANGE

SAN DIEGO

KERN

SANTA BARBARA

IMPERIAL

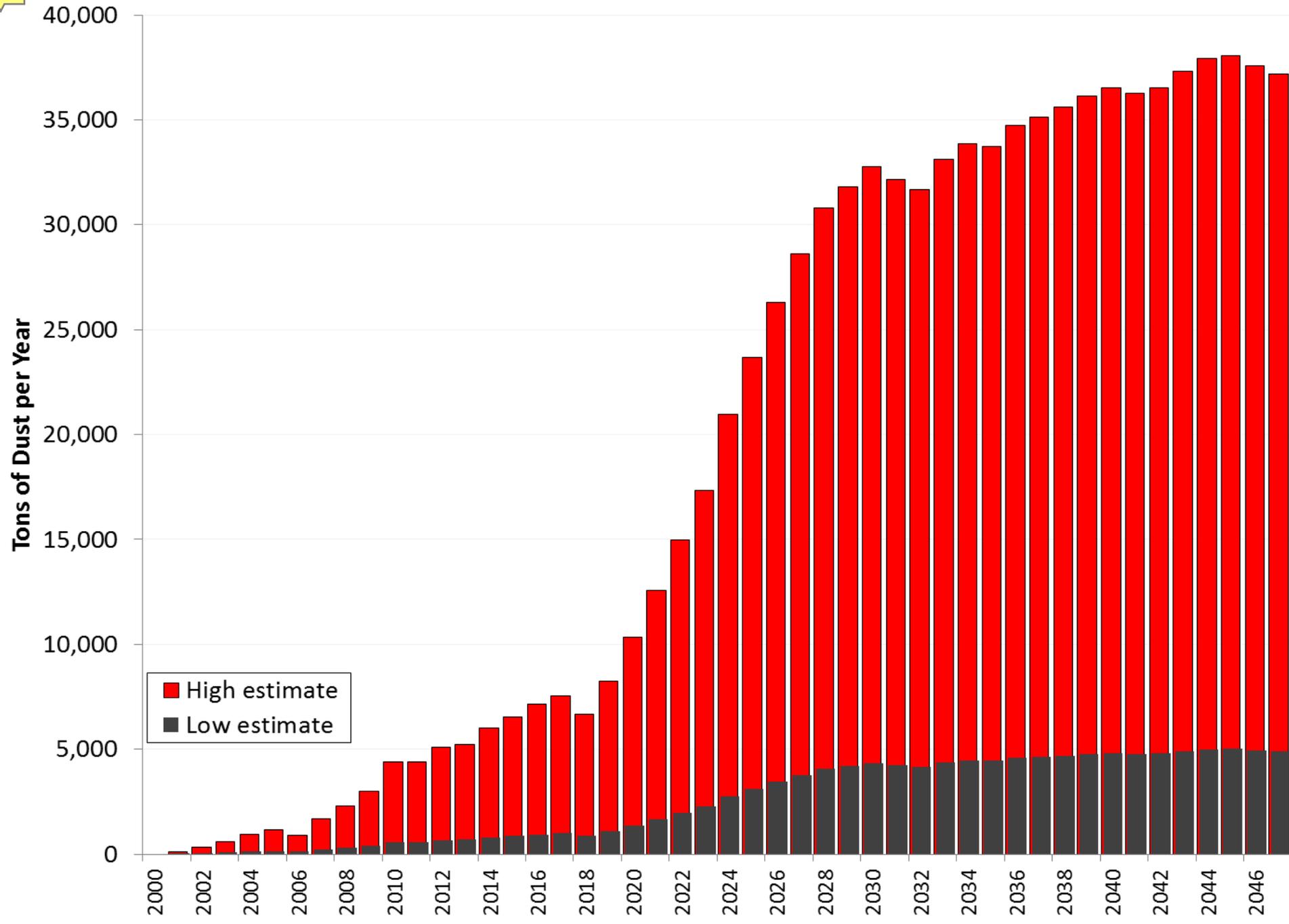


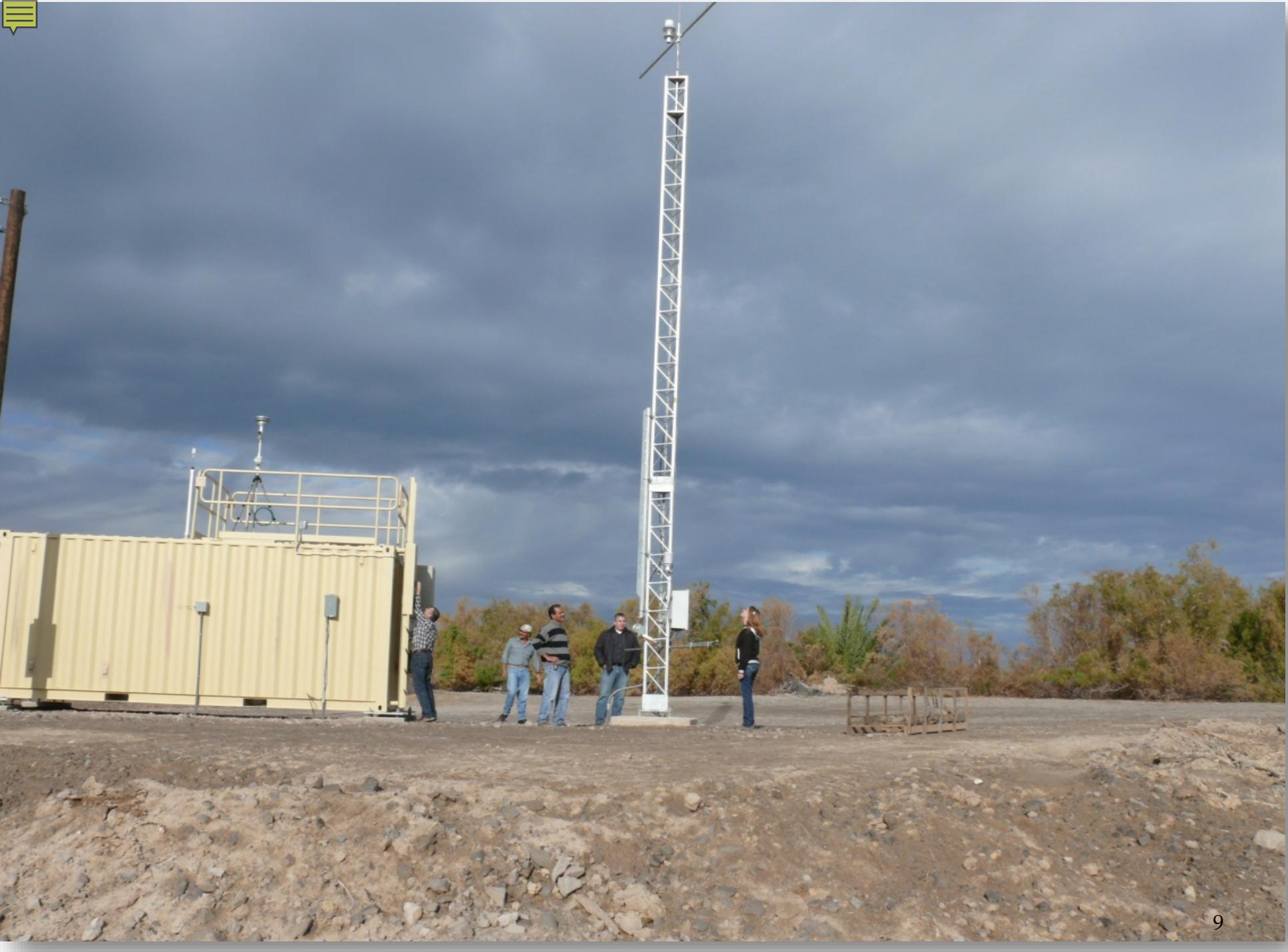


01.13.2010



01.13.2010









06/21/2011

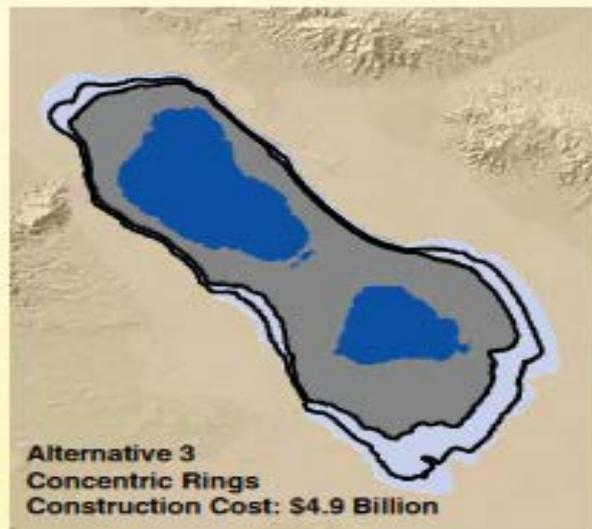
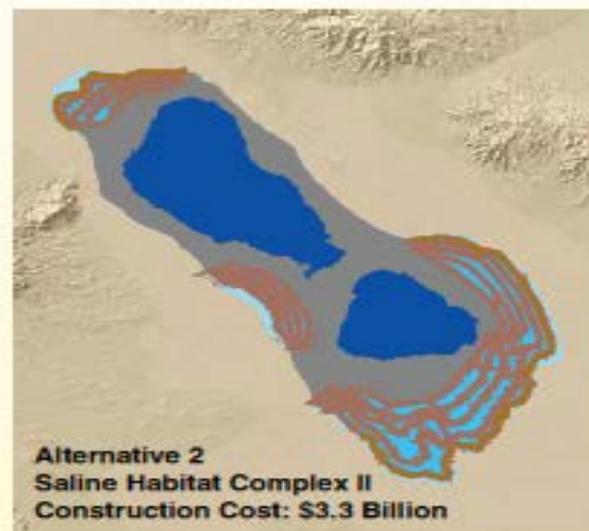






Figure 5

Salton Sea Restoration Alternatives

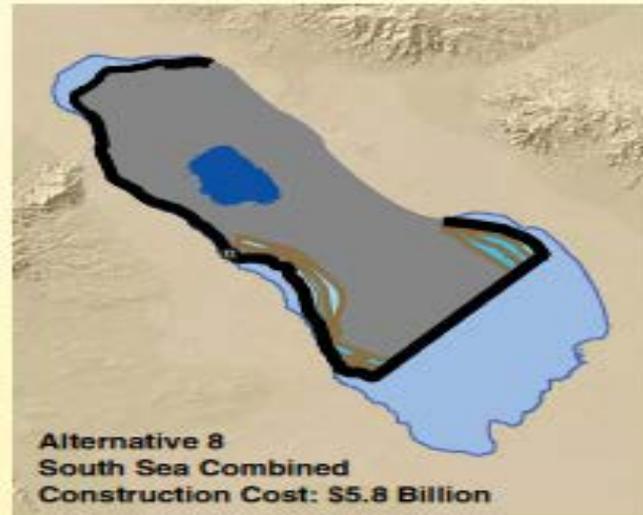
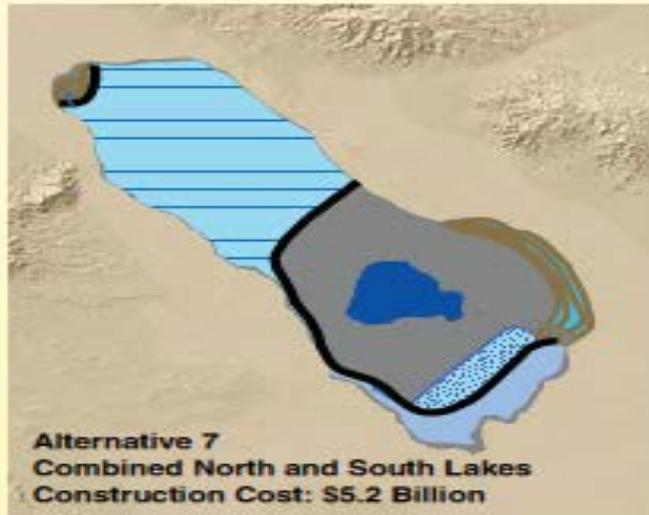
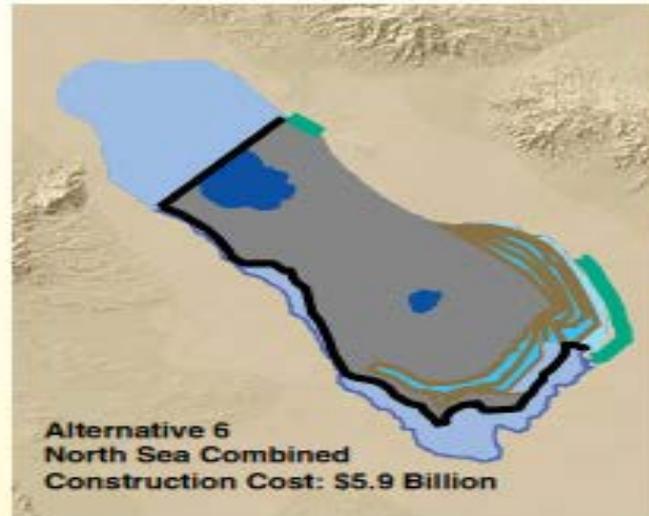


 Shoreline Waterway
 Marine Sea

 Saline Habitat Complex
 Brine Sink

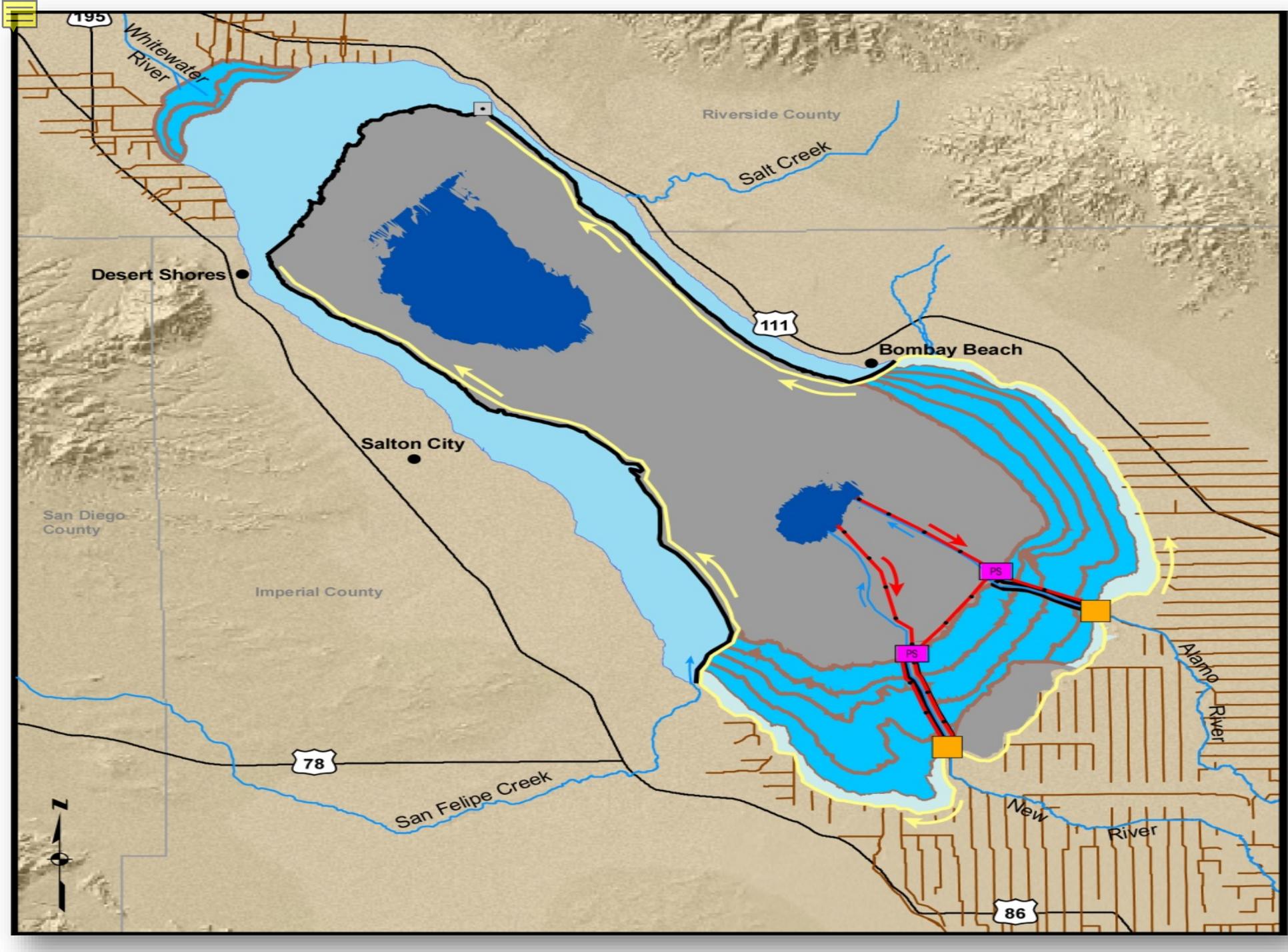
 Exposed Playa
 Recreational Saltwater Lake

Salton Sea Restoration Alternatives

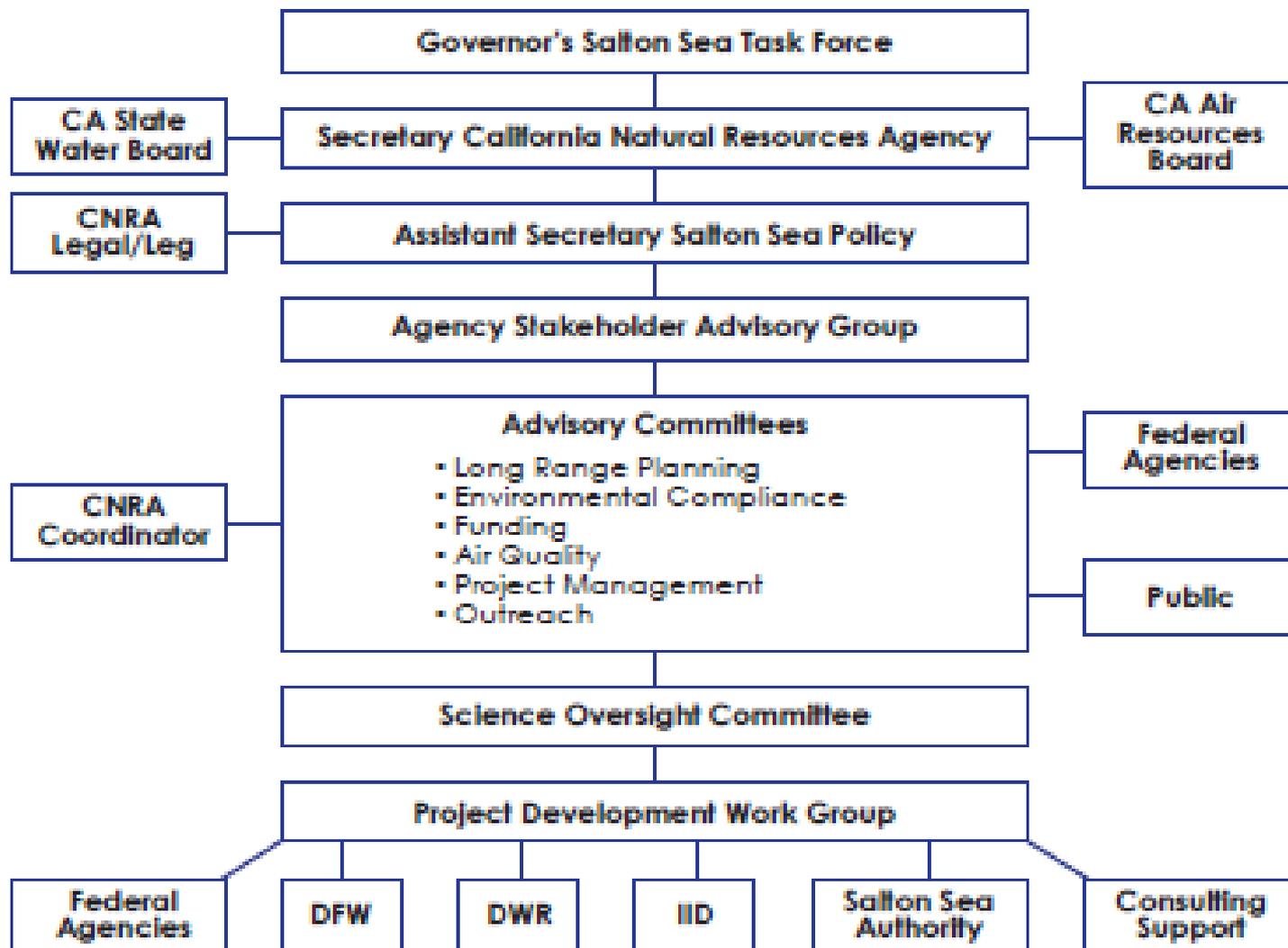


-  Recreational Estuary Lake
-  IID Freshwater Reservoir
-  Perimeter Dike/Berm
-  Pupfish Channel

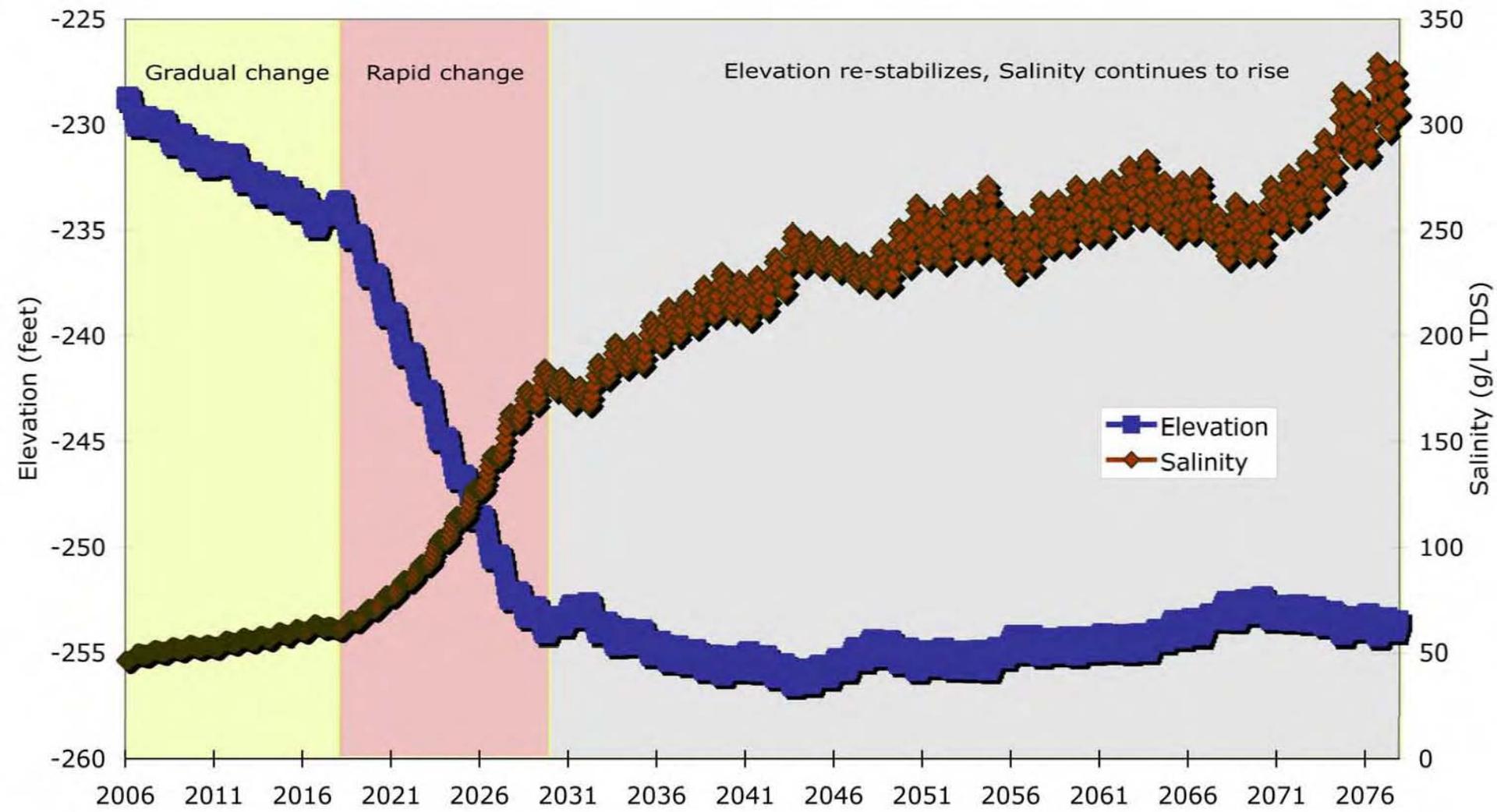




SALTON SEA MANAGEMENT PROGRAM ORGANIZATION CHART



Salton Sea Elevation and Salinity

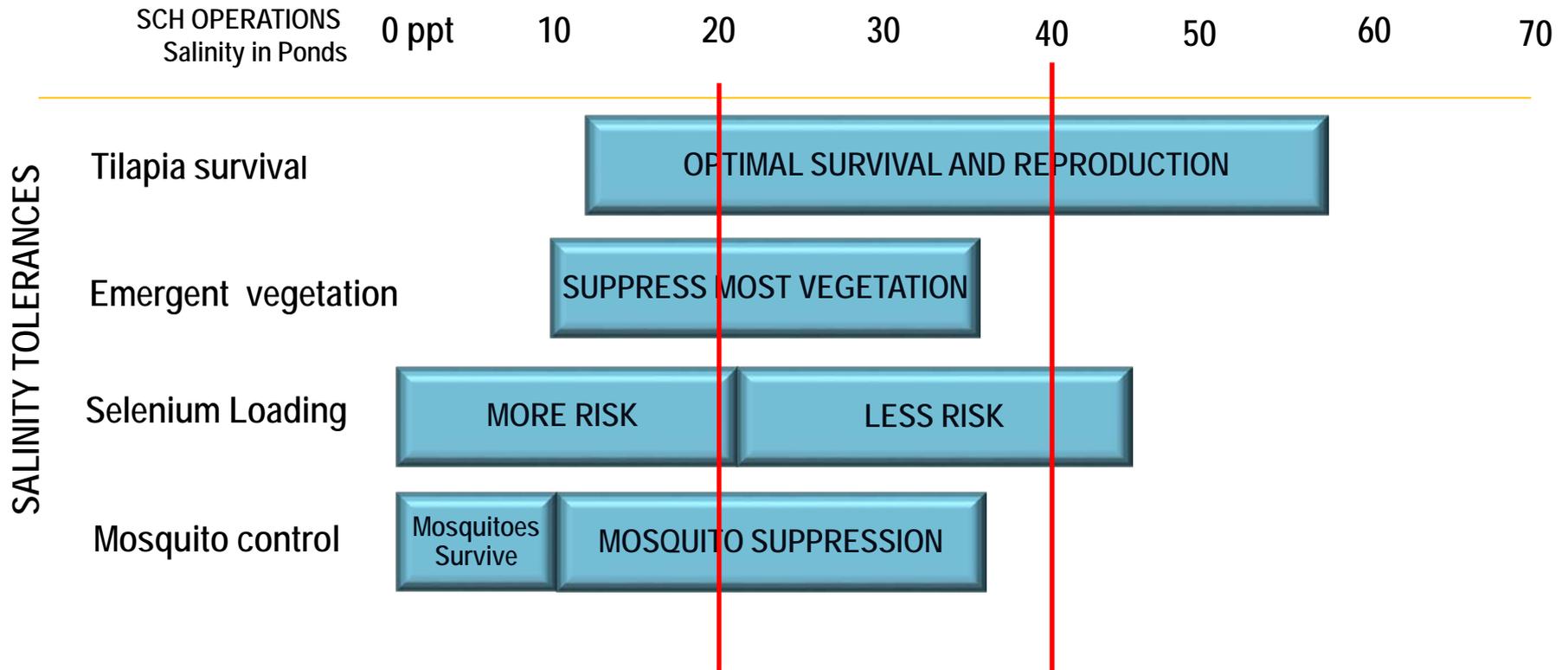


Effect of No- Action on Salinity and Lake Elevation.

From Cohen and Hyun, 2006. Hazard: The Future of the Salton Sea with No Restoration Project

Salinity Constraints and Thresholds

California Department of Water Resources



Salton Sea Management Program Projects Locations

SSA/Torres Martinez Wetland

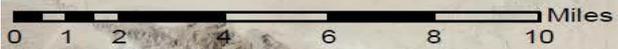
Backbone/
Initiative

Red Hill
Bay

IID/
Sephton

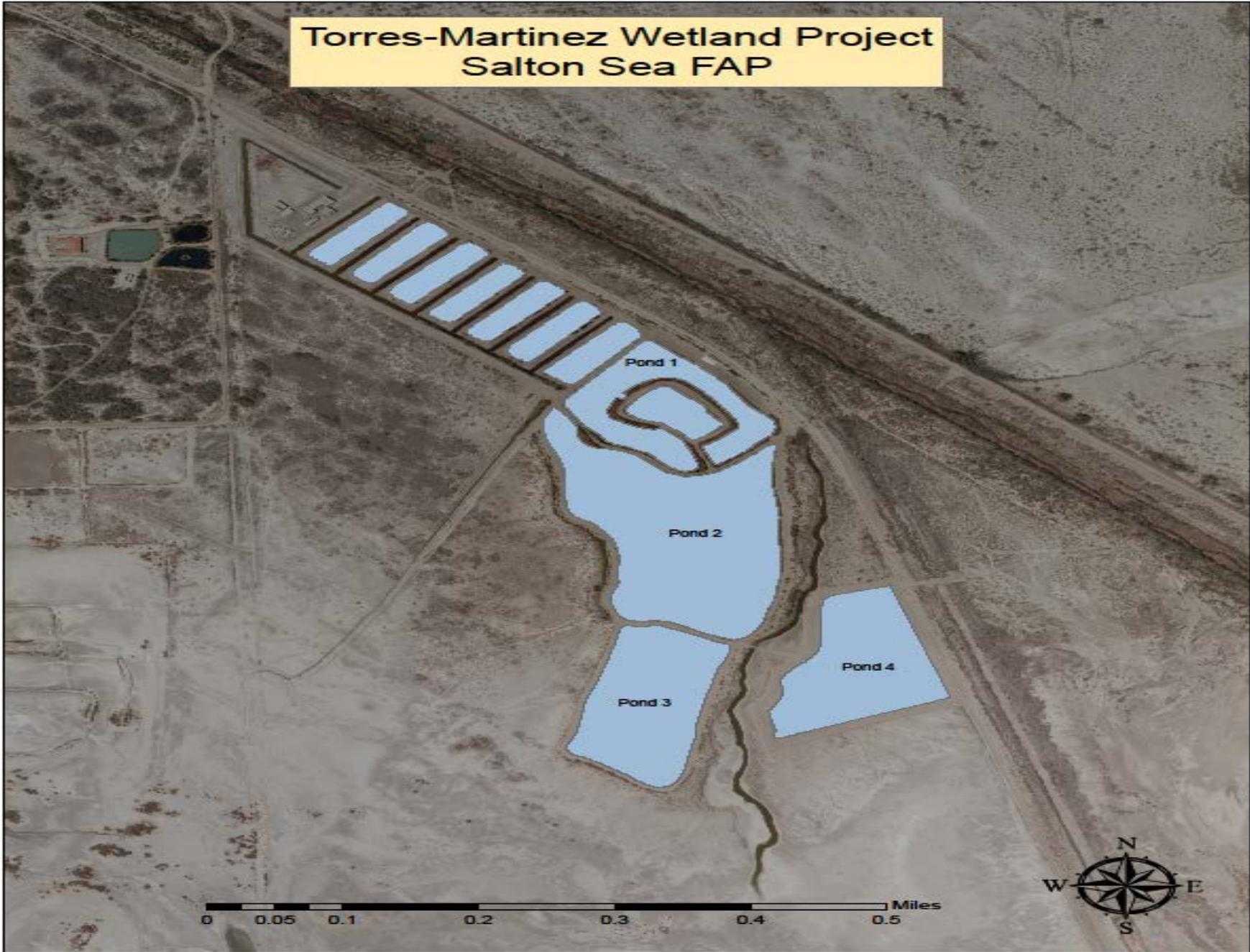
SCH

New River West

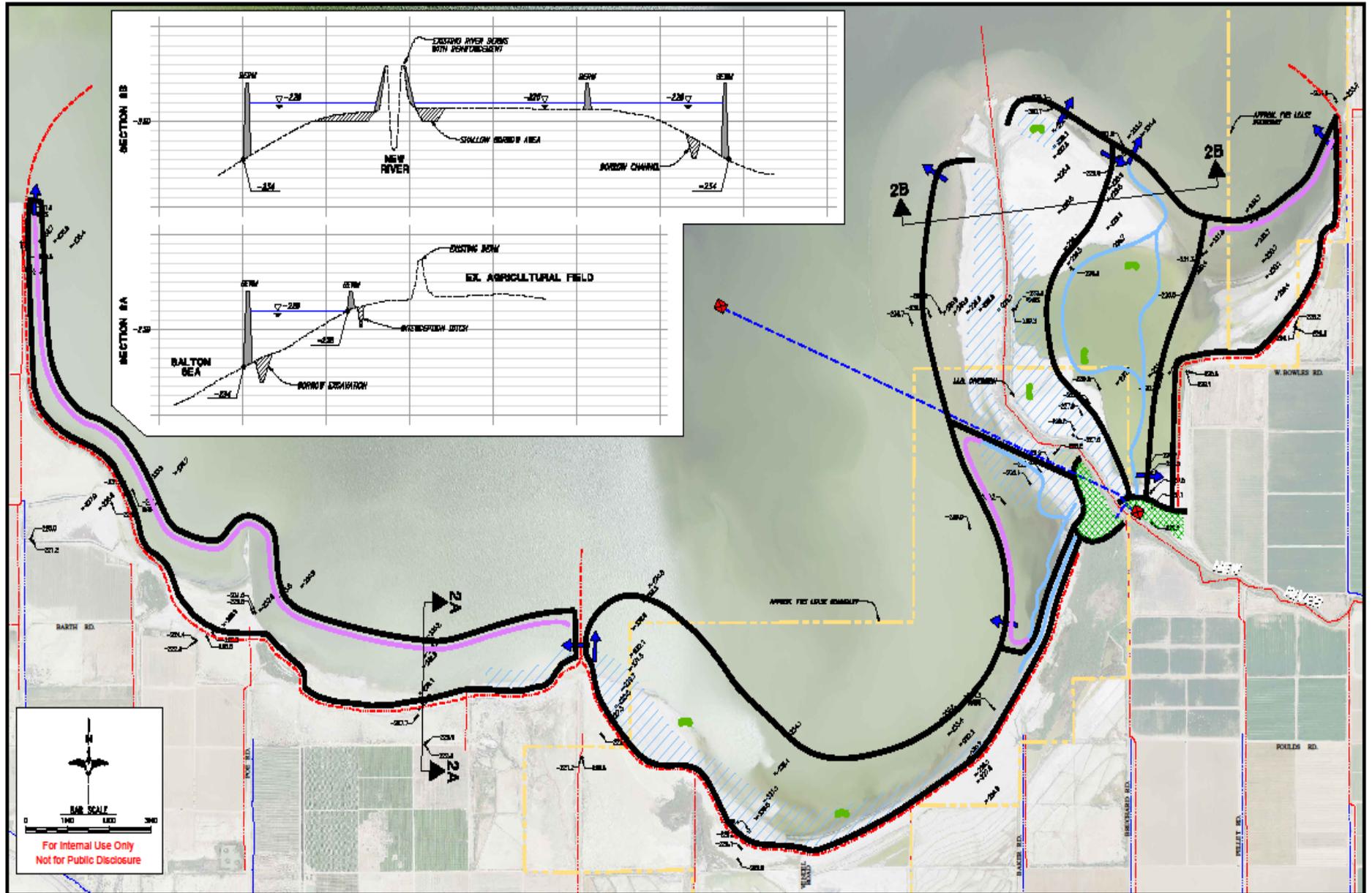




**Torres-Martinez Wetland Project
Salton Sea FAP**







- | | | | | | |
|---|-------------------------|---|---|---|------------------------|
|  | Water Control Structure |  | Sediment Basin / Sediment Disposal Site |  | Dike |
|  | Pump Station |  | Shallow Borrow Area |  | Borrow Excavation |
|  | Water Supply Pipeline | | |  | Borrow Swale / Channel |
|  | Approx. Canal Location | | |  | Island |
|  | Approx. Drain Location | | | | |

Species Conservation Habitat
 Concept Alternatives
 Plan & Sections

ALTERNATIVE #2
NEW RIVER I, P & D
 NOVEMBER 24, 2010

MATERIAL STOCKPILE AREA

CONSTRUCT NEW DRAINAGE DITCH
WATER CONTROL STRUCTURES
SEE SHEETS D-1..D-5

SALTON SEA

BORROW AREA #1
SEE SHEET C-4

CONSTRUCT NEW ISLANDS
SEE SHEETS C-17..C-21

DREDGING SPOILS DISPOSAL AREA

CONSTRUCT NEW BERM

DREDGING SPOILS DISPOSAL AREA

CONSTRUCT NEW DRAINAGE DITCH

WEST POND

WCS03

OUTER BERM

WCS02

CONSTRUCT NEW BERM

EAST POND

EX. TREES TO REMAIN

CE#1

CONTROL POINT
BL = -2221.18'
N: 8736468.2230
E: 1987154.1180

CONSTRUCTION ACCESS ROUTE,
SEE SHEET C-22..C-24 FOR
IMPROVEMENT DETAILS

SALTON SEA

WEST SEDIMENT BASIN

EAST SEDIMENT BASIN

MAINTENANCE PAD AREA,
RIVER WATER PUMP STATION
SEE SHEETS C-13..C-16
& PR SHEETS

CONSTRUCT NEW BERM

SALINE WATER FORCE MAIN PIPE
SEE PS SHEETS

EX. TREES TO REMAIN

BORROW AREA #3
SEE SHEET C-4

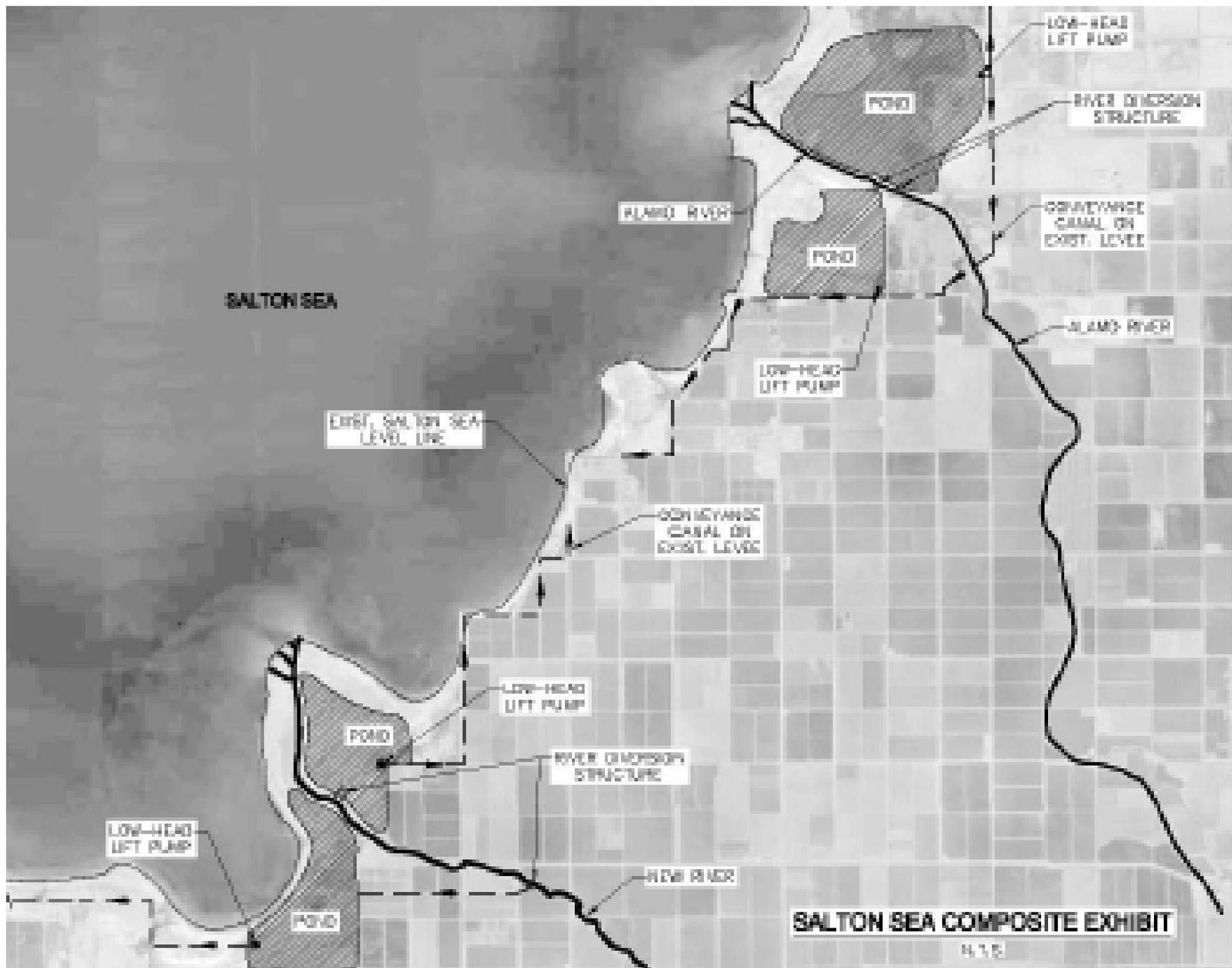
INITIAL CONSTRUCTION
STAGING AREA
SEE SHEET C-25

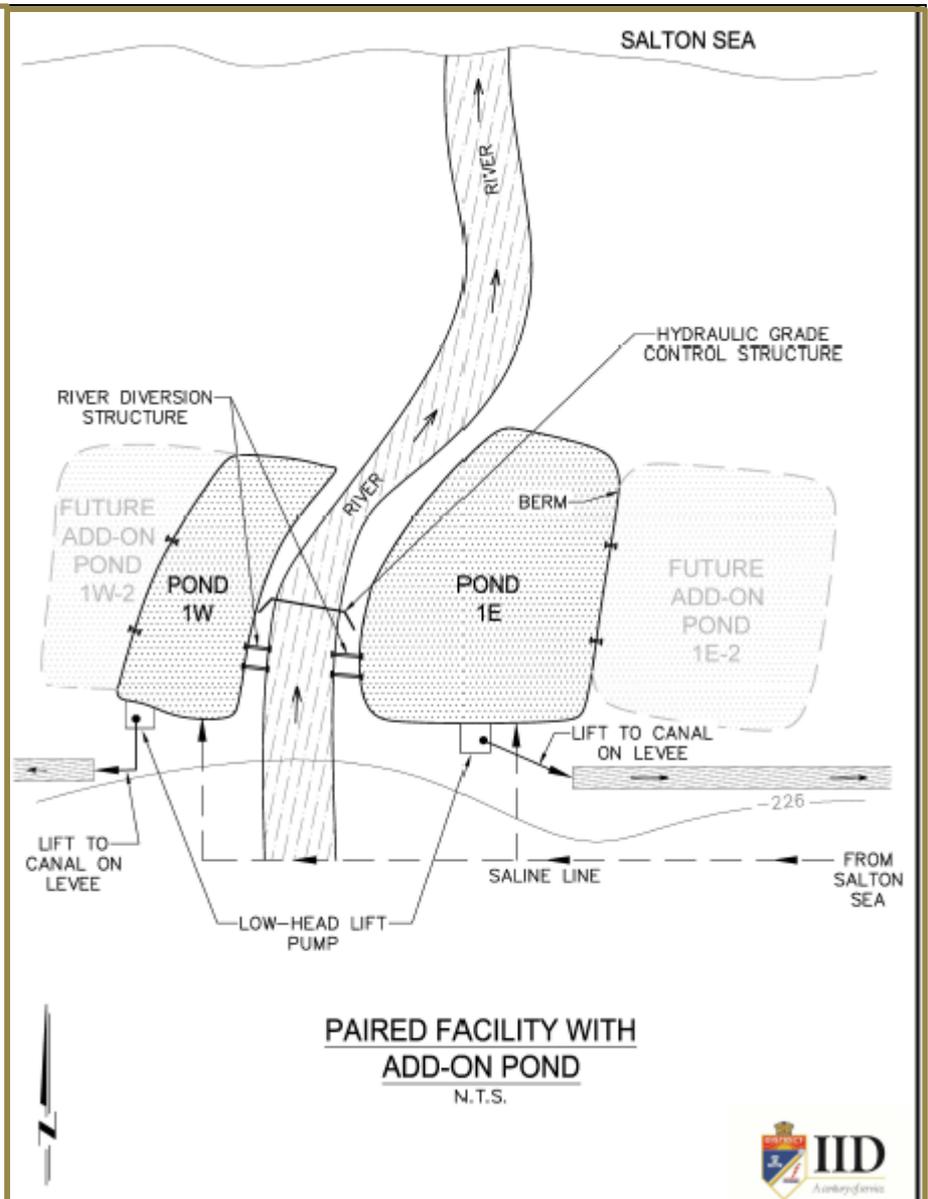
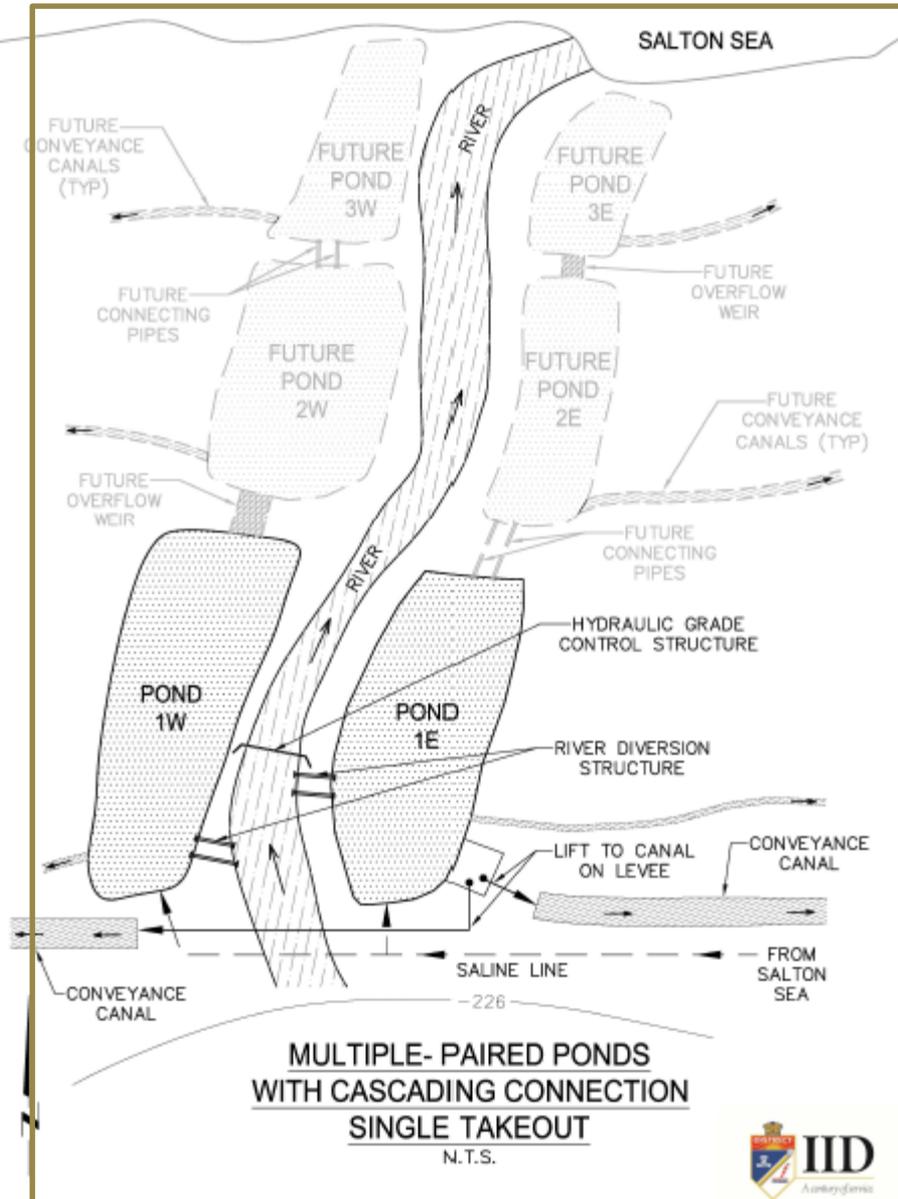
MATERIAL STOCKPILE AREA

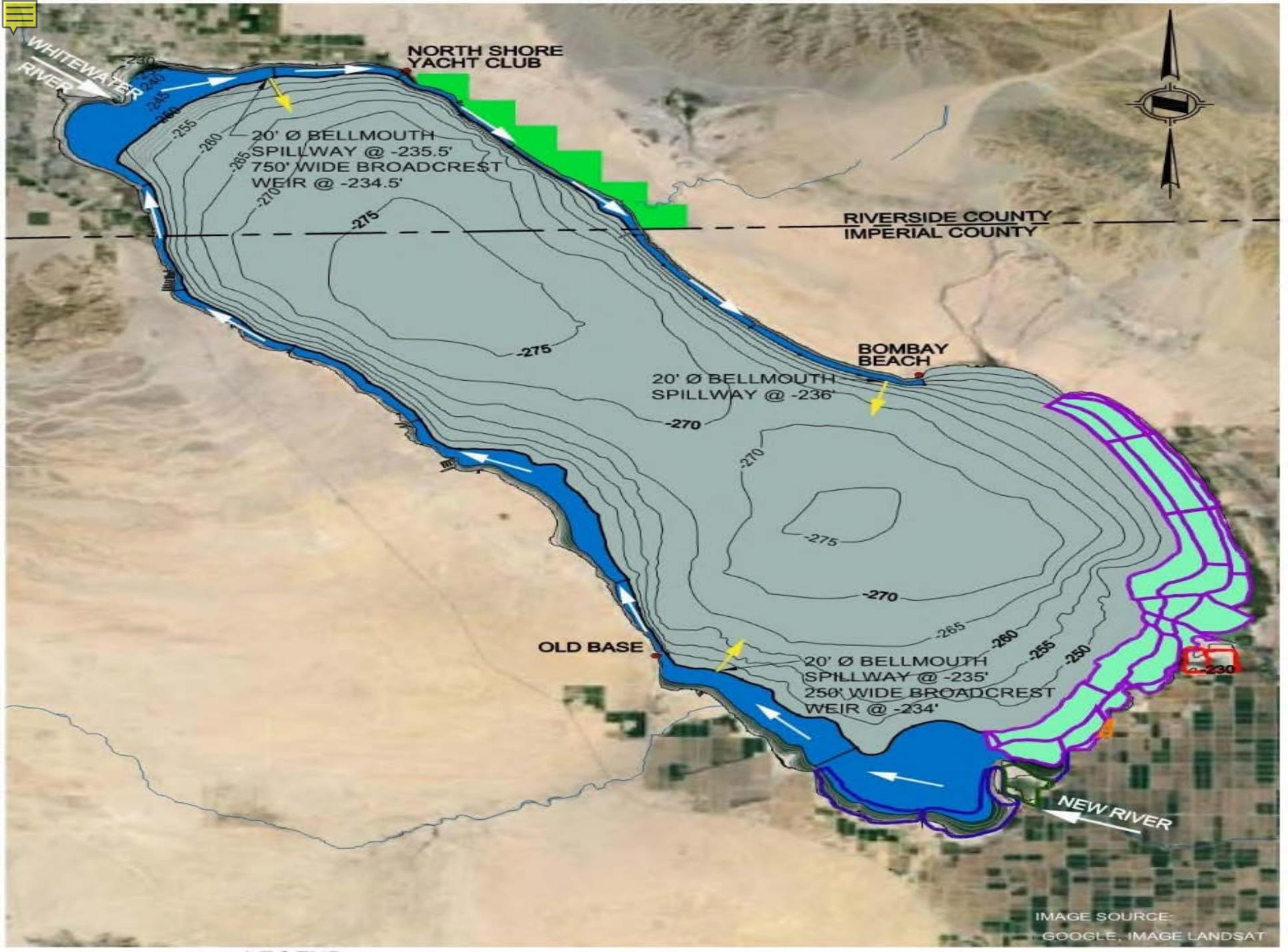


BAR SCALE

500 1000 1500







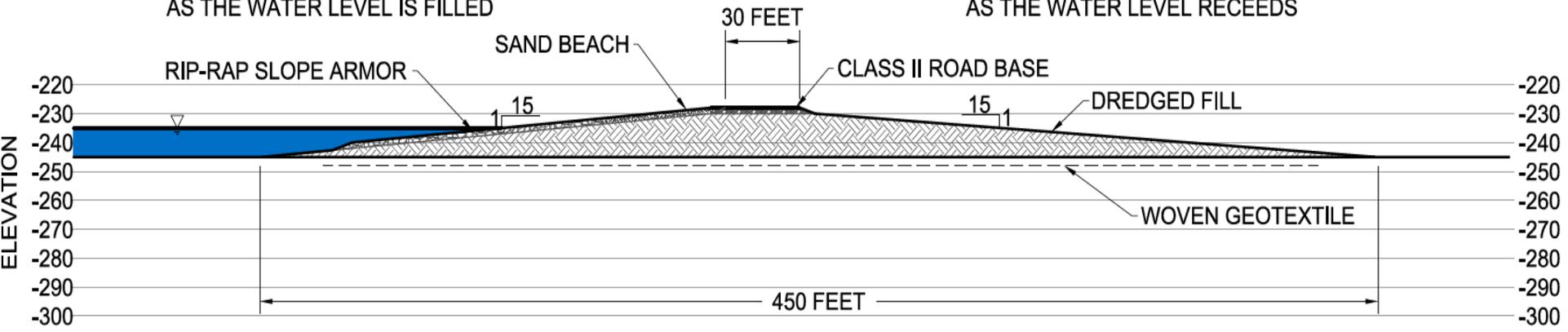


SHORE SIDE

SHORE SIDE WILL BE WET
AS THE WATER LEVEL IS FILLED

SEA SIDE

SEA SIDE WILL DRY OUT
AS THE WATER LEVEL RECEEDS



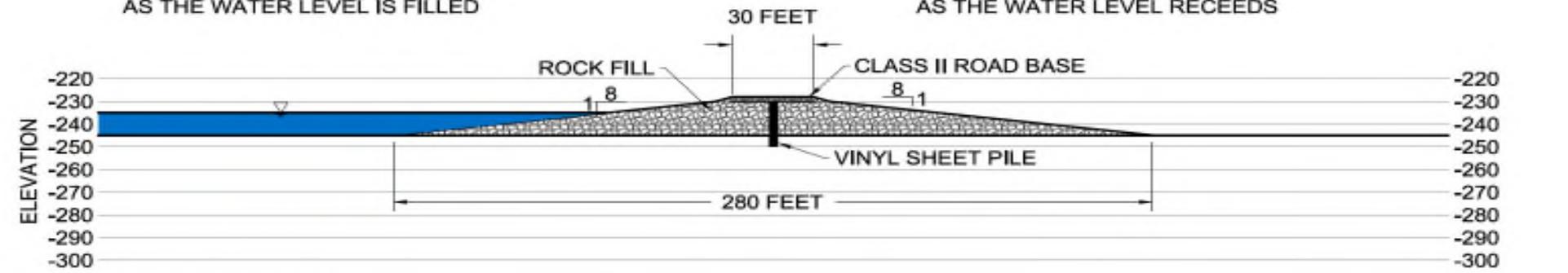
TOP OF BERM ELEV: -230.00
 SEALEVEL ELEV: -235.00
 SEAFLOOR ELEV: -245.00

SHORE SIDE

SHORE SIDE WILL BE WET
AS THE WATER LEVEL IS FILLED

SEA SIDE

SEA SIDE WILL DRY OUT
AS THE WATER LEVEL RECEEDS



TOP OF BERM ELEV: -230.00
 SEALEVEL ELEV: -235.00
 SEAFLOOR ELEV: -245.00

