Salton Sea Management Program

WRPI

April, 2016
Figure 5
Salton Sea Restoration Alternatives

Alternative 1
Saline Habitat Complex I
Construction Cost: $2.3 Billion

Alternative 2
Saline Habitat Complex II
Construction Cost: $3.3 Billion

Alternative 3
Concentric Rings
Construction Cost: $4.9 Billion

Alternative 4
Concentric Lakes
Construction Cost: $2.3 Billion

Legend:
- Shoreline Waterway
- Saline Habitat Complex
- Brine Sink
- Exposed Playa
- Marine Sea
- Recreational Saltwater Lake
Figure 5 (continued)

Salton Sea Restoration Alternatives

Alternative 5
North Sea
Construction Cost: $4.5 Billion

Alternative 6
North Sea Combined
Construction Cost: $5.9 Billion

Alternative 7
Combined North and South Lakes
Construction Cost: $5.2 Billion

Alternative 8
South Sea Combined
Construction Cost: $5.8 Billion

Legend:
- Recreational Estuary Lake
- IID Freshwater Reservoir
- Perimeter Dike/Berm
- Pupfish Channel
SALTON SEA MANAGEMENT PROGRAM ORGANIZATION CHART

- Governor's Salton Sea Task Force
- CA State Water Board
- Secretary California Natural Resources Agency
- CNRA Legal/Leg
- Assistant Secretary Salton Sea Policy
- Agency Stakeholder Advisory Group
- Advisory Committees
  - Long Range Planning
  - Environmental Compliance
  - Funding
  - Air Quality
  - Project Management
  - Outreach
- CNRA Coordinator
- Science Oversight Committee
- Project Development Work Group
- Federal Agencies
- DFW
- DWR
- IID
- Salton Sea Authority
- Consulting Support

Federal Agencies

Public
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
SHORE SIDE
SHORE SIDE WILL BE WET AS THE WATER LEVEL IS FILLED

SEA SIDE
SEA SIDE WILL DRY OUT AS THE WATER LEVEL RECEDES

RIP-RAP SLOPE ARMOR
SAND BEACH
30 FEET
CLASS II ROAD BASE
DREDGED FILL
WOVEN GEOTEXTILE

ELEVATION

450 FEET

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 RECEDES

ROCK FILL
CLASS II ROAD BASE
VINYL SHEET PILE

ELEVATION

280 FEET

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