

Overview of PEIR Alternatives - continued



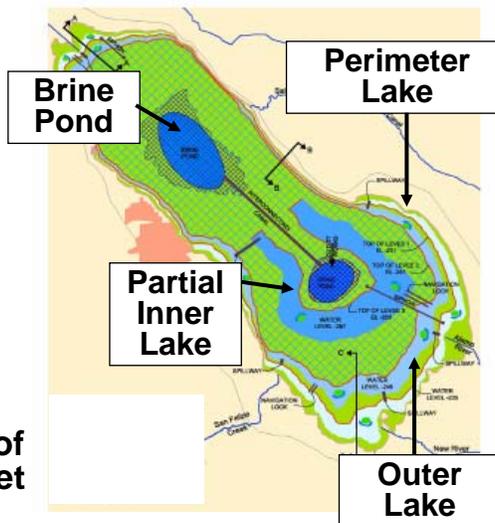
March 16, 2006
Los Angeles, California

Overview of Alternative 4 - Concentric Lakes Alternative



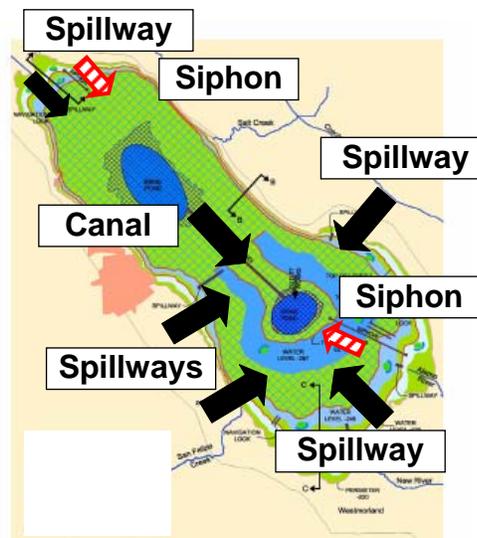
Concentric Lakes Alternative - Water Components

- ◆ **Perimeter Lake**
 - Elevation at -235 ft
 - Salinity - fresh to brackish
 - Pupfish connectivity
- ◆ **Outer Lake**
 - Elevation at -245 ft
 - Salinity - marine
- ◆ **Partial Inner Lake**
 - Could be higher salinity or Saline Habitat Complex
- ◆ **Water depths at toe of berms less than 6 feet**



Concentric Lakes Alternative - Conveyance

- ◆ **Rivers and creeks flow into Perimeter Lake**
- ◆ **Spillways**
 - Convey water to Outer Lake and Partial Inner Lake
- ◆ **Siphons**
 - Bypass river flows to control salinity in lakes
 - Irrigation water to exposed playa or brine pond
- ◆ **Canals**
 - Connect brine sinks



Concentric Lakes Alternative - Habitat

◆ Pufffish connectivity

- Drains extend into Perimeter Lake

◆ Partial Inner Lake

- Could be Saline Habitat Complex

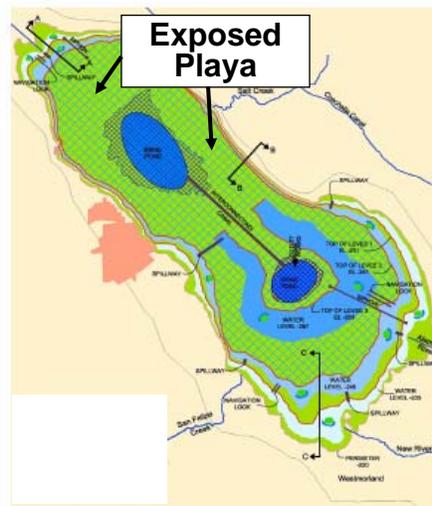
◆ Fish and Wildlife

- In Perimeter, Outer, and Partial Inner lakes
- Habitat islands and deep areas in lakes created by excavation

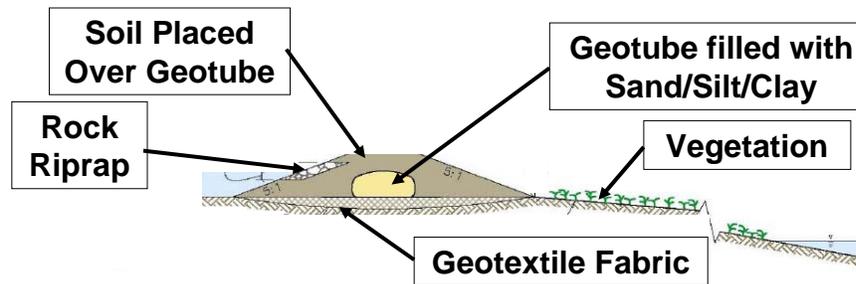
Concentric Lakes Alternative - Air Quality Management

◆ Exposed playa

- May be irrigated for Air Quality Management
- May be managed with Salt Crust
- 100,000 acre-feet of water allocated/year for management



Concentric Lakes Alternative - Berms



- ◆ Due to low height, design would not require Division of Safety of Dams review
- ◆ Geotextile fabric or Geogrid will be used as a foundation for berms
- ◆ 40 to 50 million cubic yards of excavated material
- ◆ 4 million cubic yards of rockfill import needed

Concentric Lakes Alternative - Other Features

- ◆ **Sediment Basins**
 - May be included in program
- ◆ **Recreational and Local Economic Opportunities**
 - Boating in Concentric Lakes with Navigation Locks between lakes
 - Could support municipal, commercial, and recreational development

Concentric Lakes Alternative - Summary

- ◆ **Perimeter Lake –
12,000 acres**
- ◆ **Outer Lake –
19,000 acres**
- ◆ **Partial Inner Lake –
20,000 acres**
- ◆ **Brine Pond –
still being calculated**
- ◆ **Exposed Playa with Air
Quality Mgt – still being
calculated**

