TC 10138-18

DRAFT
FIGURES TO ACCOMPANY

SALTON SEA RESTORATION PROJECT ENVIRONMENTAL IMPACT STATEMENT/ ENVIRONMENTAL IMPACT REPORT

January 2000

Prepared for:

Salton Sea Authority
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and

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Prepared by:

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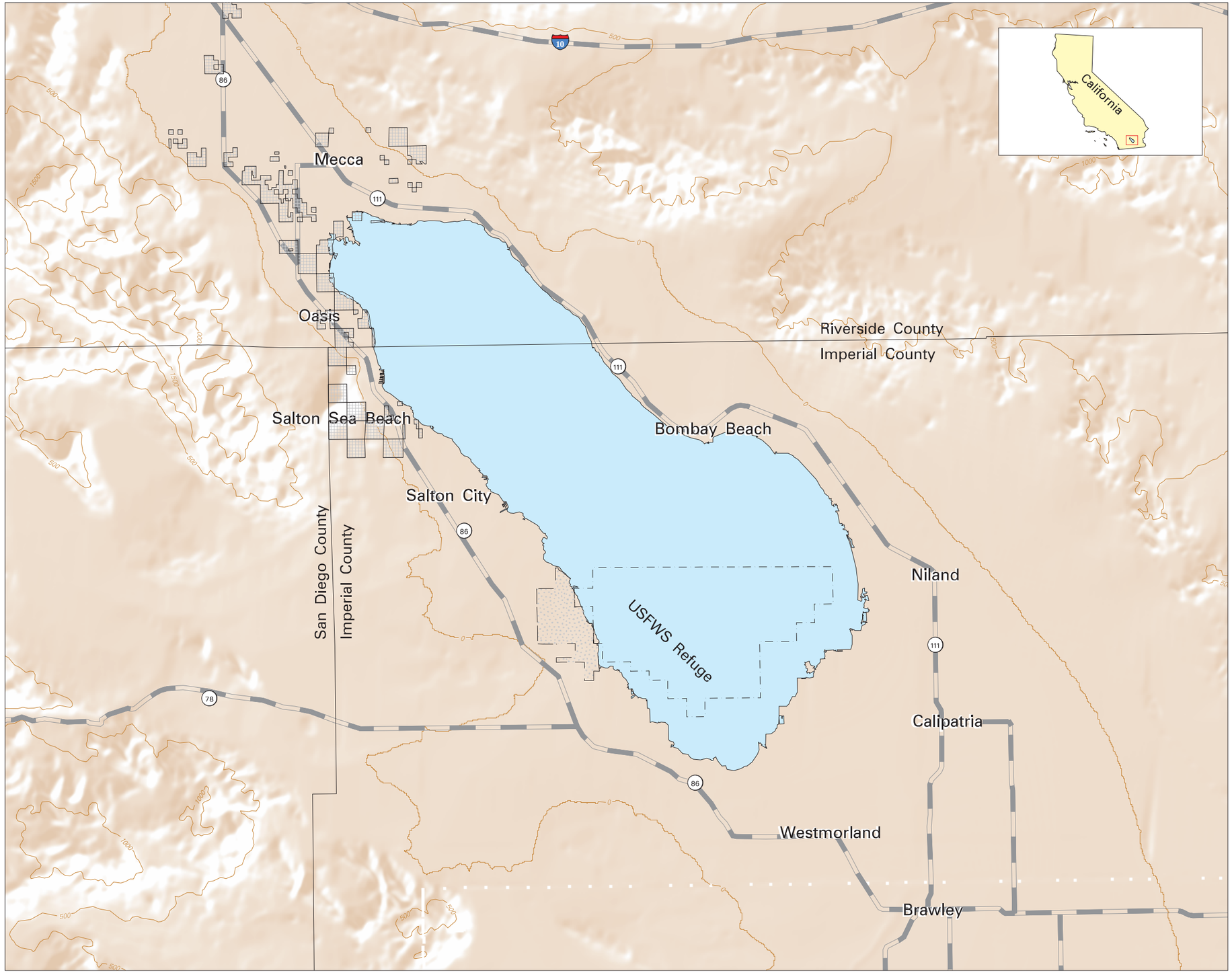
Salton Sea Area

Salton Sea, California

Figure 2.1-1



Legend:

- Highways
- Lakeshore at -227 Feet Mean Sea Level
- Indian Lands
- Test Base

Explanation:

N

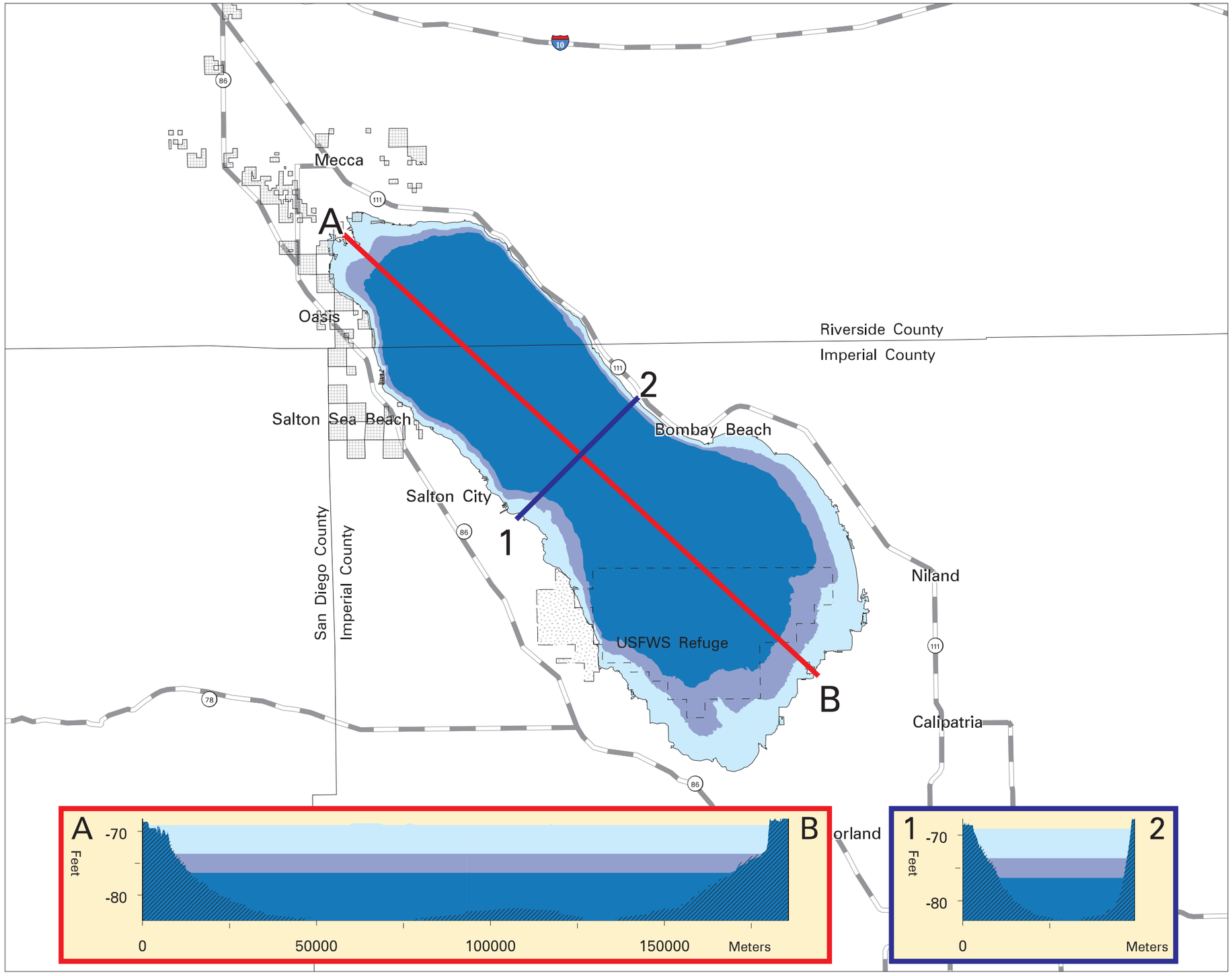
0 5 10

Scale in Miles

Possible Shorelines With No Action Alternative

Salton Sea, California

Figure 2.4-1



Legend:

- Highways
- Lakeshore at -227 Feet Mean Sea Level
- Lakeshore at -242 Feet Below Mean Sea Level
- Lakeshore at -251 Feet Below Mean Sea Level
- Indian Lands
- Test Base

Explanation:

If inflow is reduced to 1.046 million acre ft (maf) from current 1.346 maf inflow, water level would drop to -242 ft below sea level, exposing 56,827 acres. If inflow is reduced to 0.846 maf, elevation would drop to -251 ft, exposing 88,164 acres.

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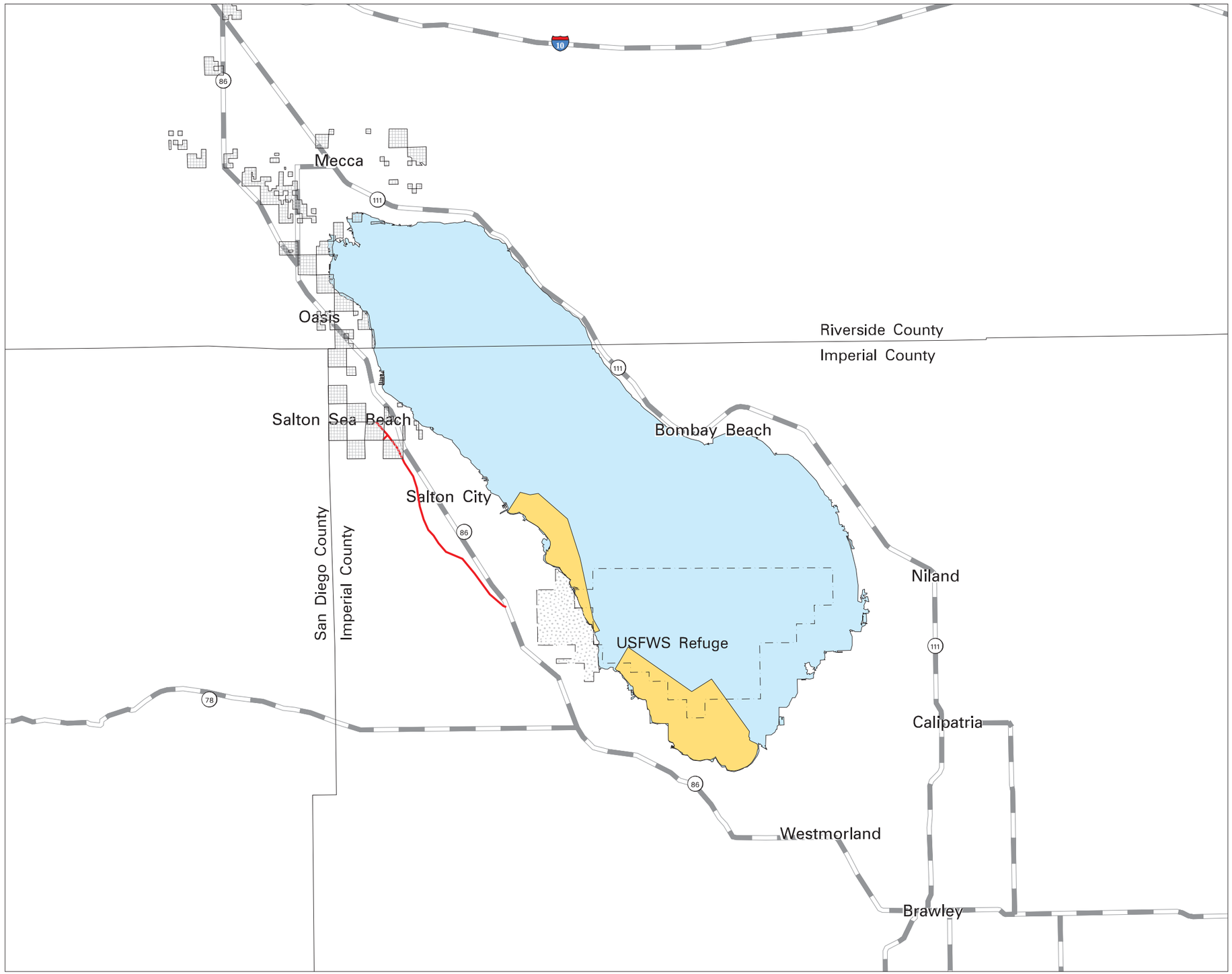
Scale in Miles

Evaporation Ponds Used in Alternatives 1 and 4

Salton Sea, California

Figure 2.5-4



Legend:

- Highways
- Lakeshore at -227 Feet Mean Sea Level
- Proposed Sites for Evaporation Ponds
- Haul Road
- Indian Lands
- Test Base

Explanation:

Ponds would be constructed adjacent to the Salton Sea Test Base Site.
Source: Bureau of Reclamation

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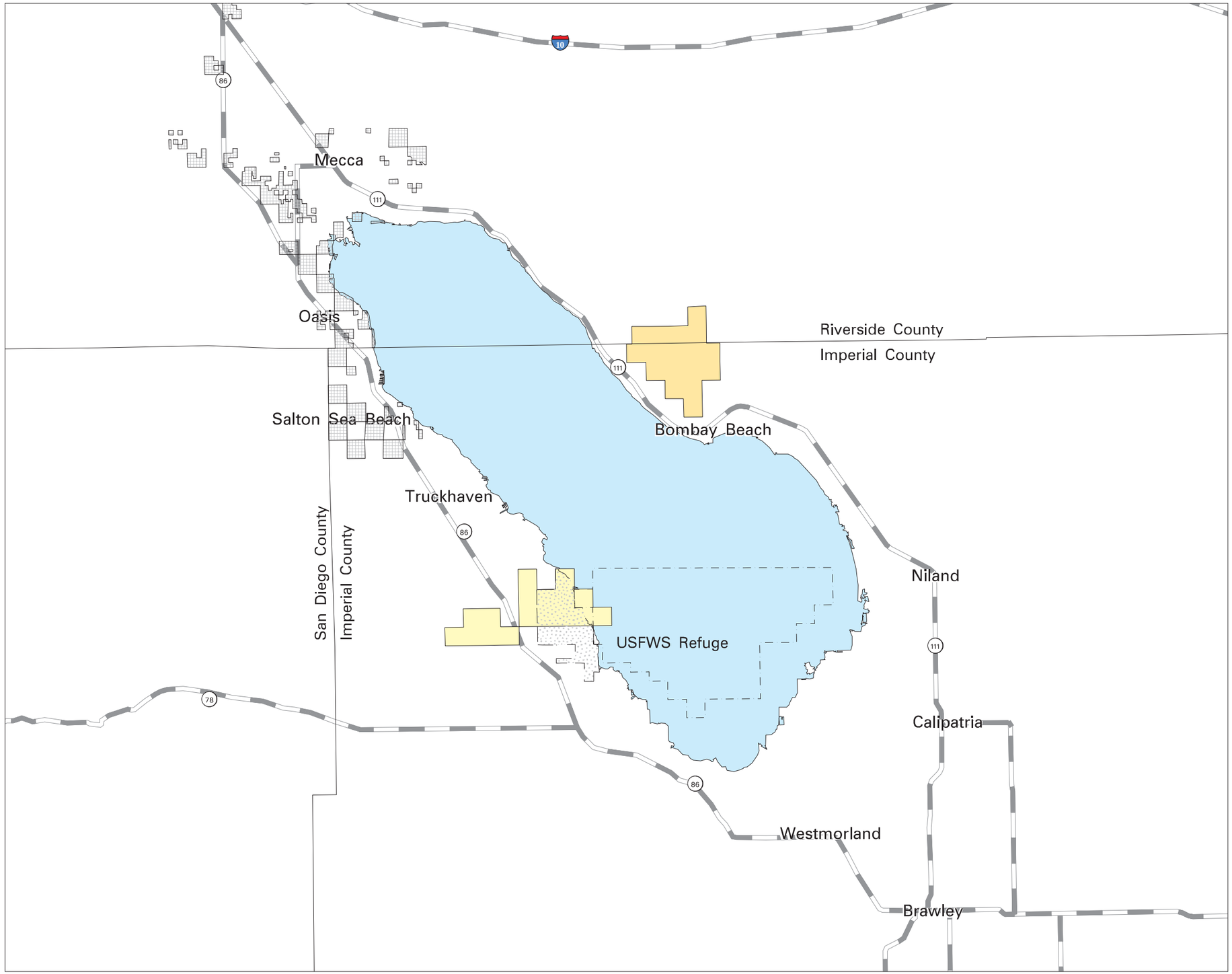
Scale in Miles

EES Facilities

Salton Sea, California

Figure 2.5-8



Legend:

- Highways
- Lakeshore at -227 Feet Below Sea Level
- EES Location Used for Alternatives 3 and 4
- EES Locations Used for Alternative 2 and 5
- Indian Lands
- Test Base

Explanation:

Proposed locations for EES sites near the Salton Sea Test Base and Bombay Beach. Map based on Bureau of Land Management proposed engineering alternatives for Salton Sea restoration efforts.

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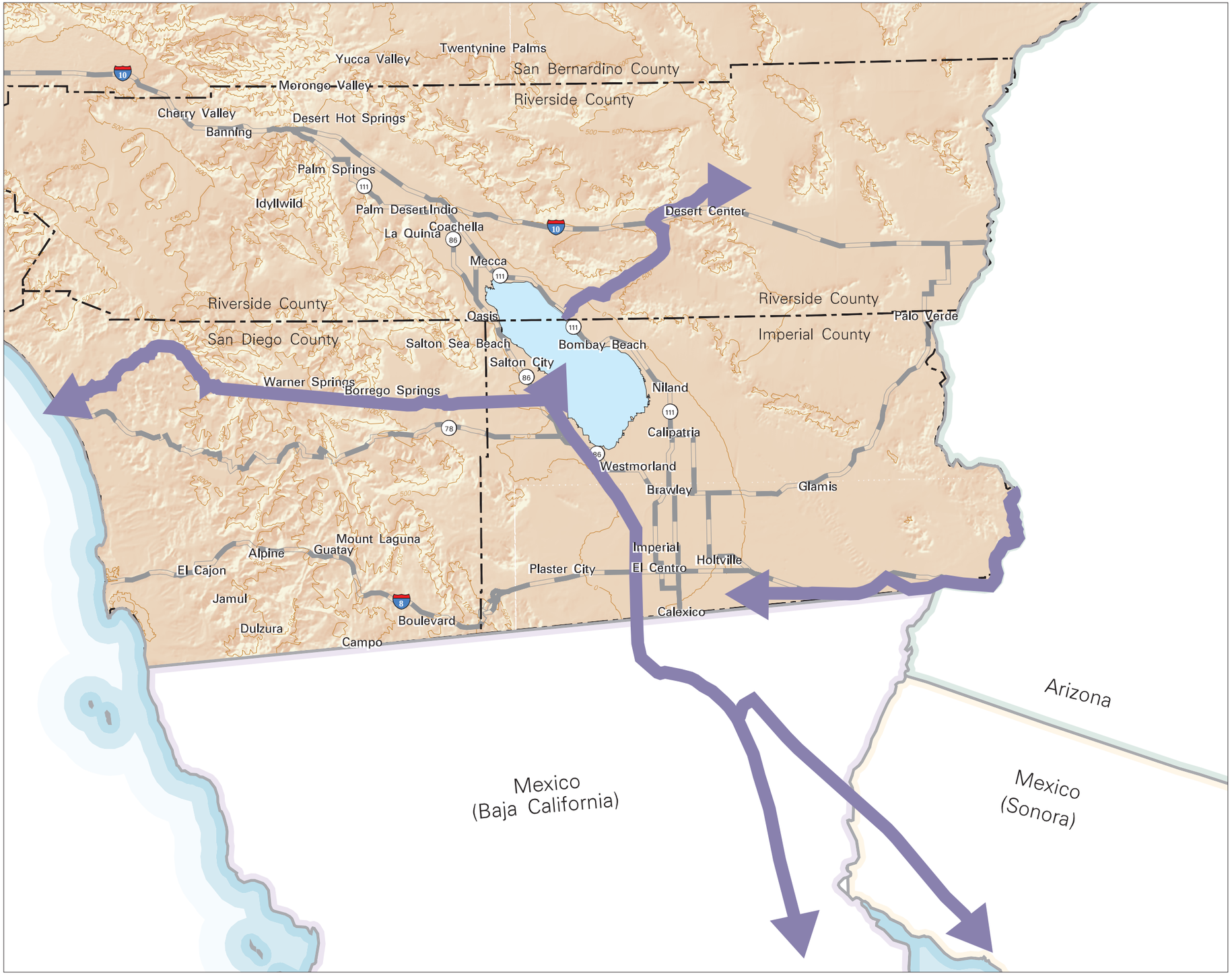
Scale in Miles

Pipeline Locations

Salton Sea, California

Figure 2.6-1



Legend:

- Lakeshore at -227 Feet Mean Sea Level
- Highways
- Proposed Pipeline Locations

Explanation:

Proposed pipeline alternatives provided by Bureau of Reclamation.

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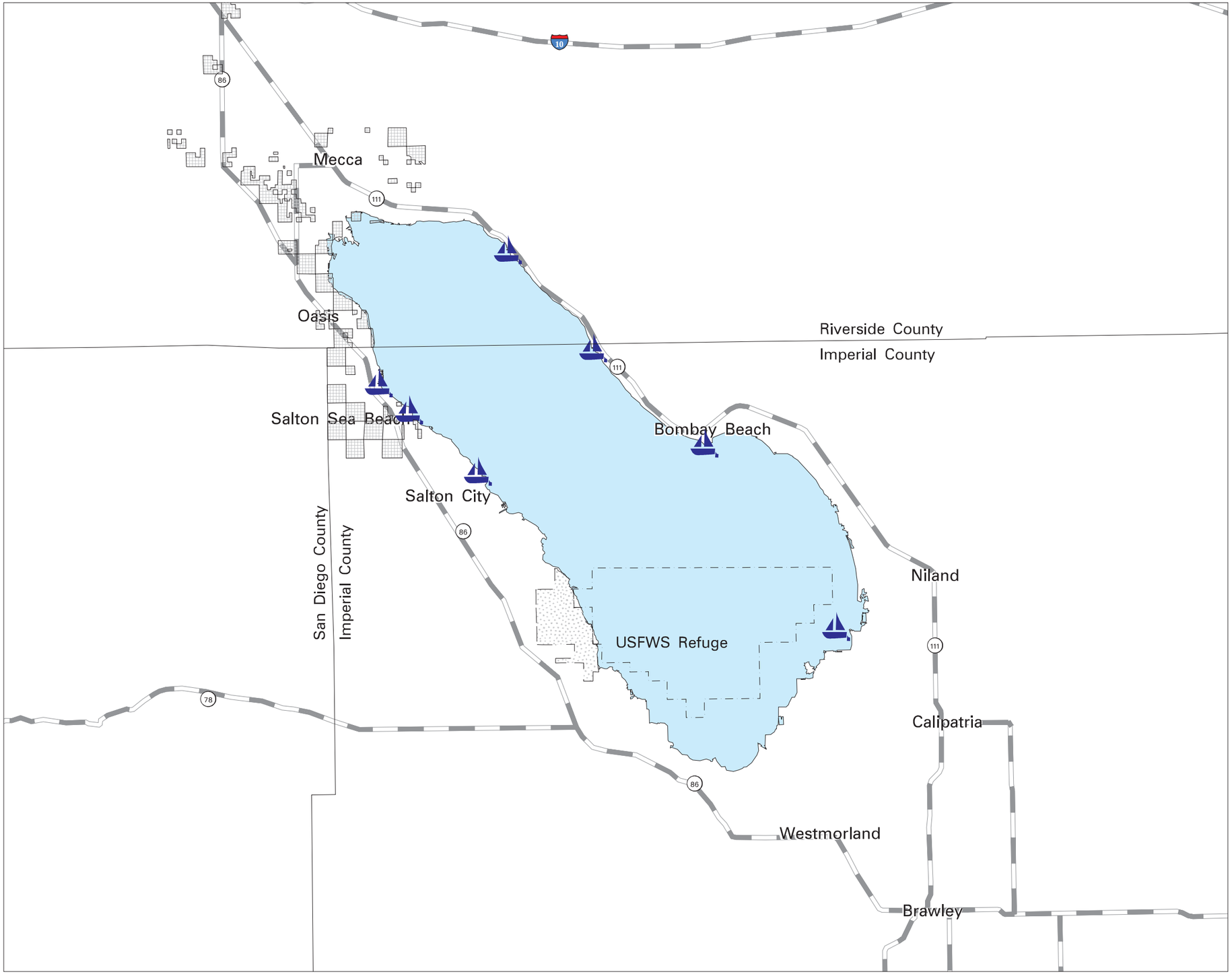
Scale in Miles

Existing Public Boat Docks

Salton Sea, California

Figure 2.6-2



Legend:

- Highways
- Lakeshore at -227 Feet Mean Sea Level
- Boat Launches
- Indian Lands
- Test Base

Explanation:

Boat launch locations along the Salton Sea shoreline. Map based on data from the Stephen P. Teale Data Center.

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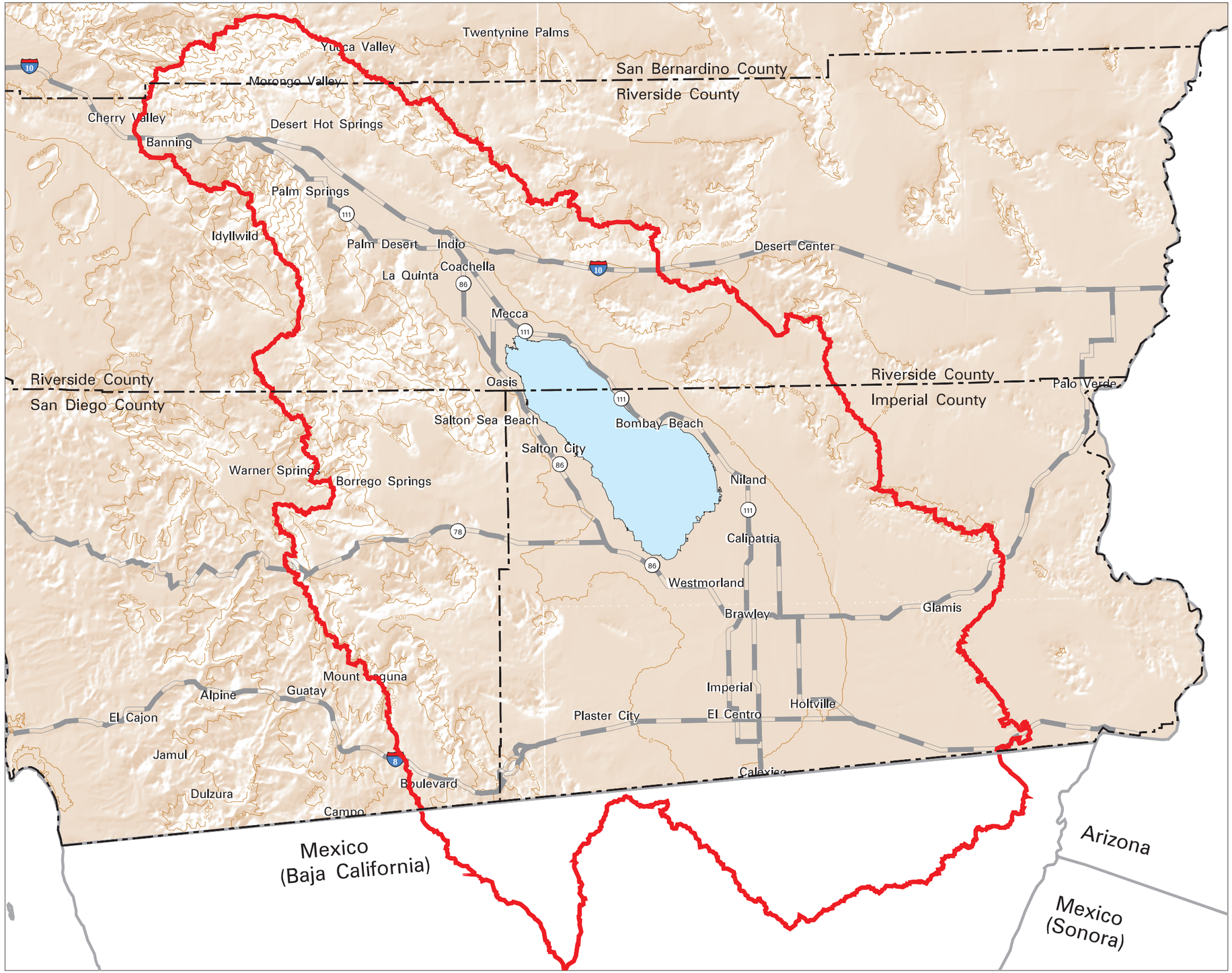
Scale in Miles

Watershed Boundary

Salton Sea, California

Figure 3.1-1



Legend:

- Lakeshore at -227 Feet Mean Sea Level
- Highways
- Watershed Boundary

Explanation:

This map displays the Salton Sea watershed study area generated from drainage models developed from a 90-meter DEM. Source: Salton Sea Database Program.

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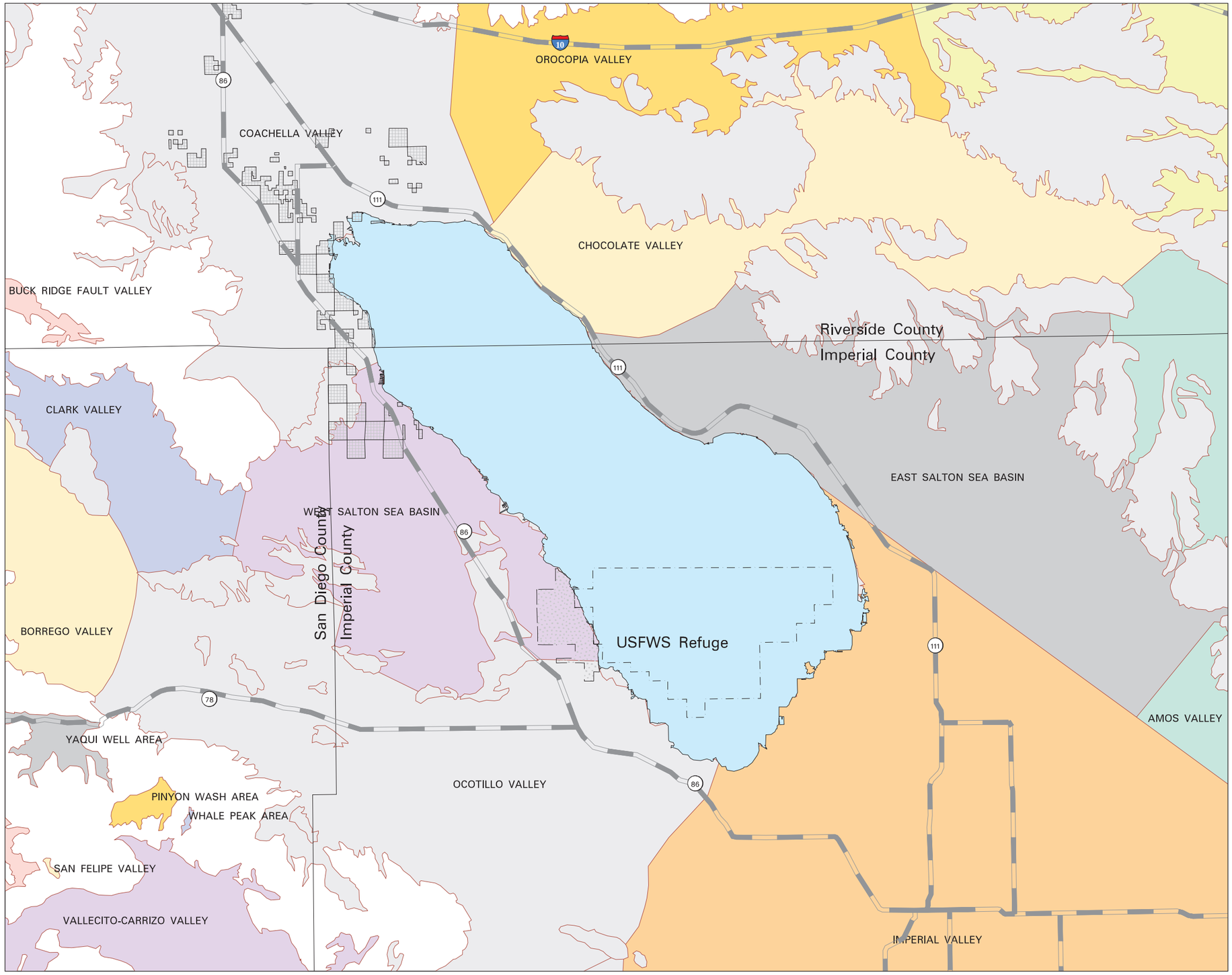
Scale in Miles

Ground Water Basins

Salton Sea, California

Figure 3.2-1



Legend:

- Lakeshore at -227 Feet Mean Sea Level
- Indian Lands
- Test Base
- Highways

Explanation:

Groundwater basin data is provided by the Teale Data Center. Groundwater basins are determined by California Department of Water Resources classifications.

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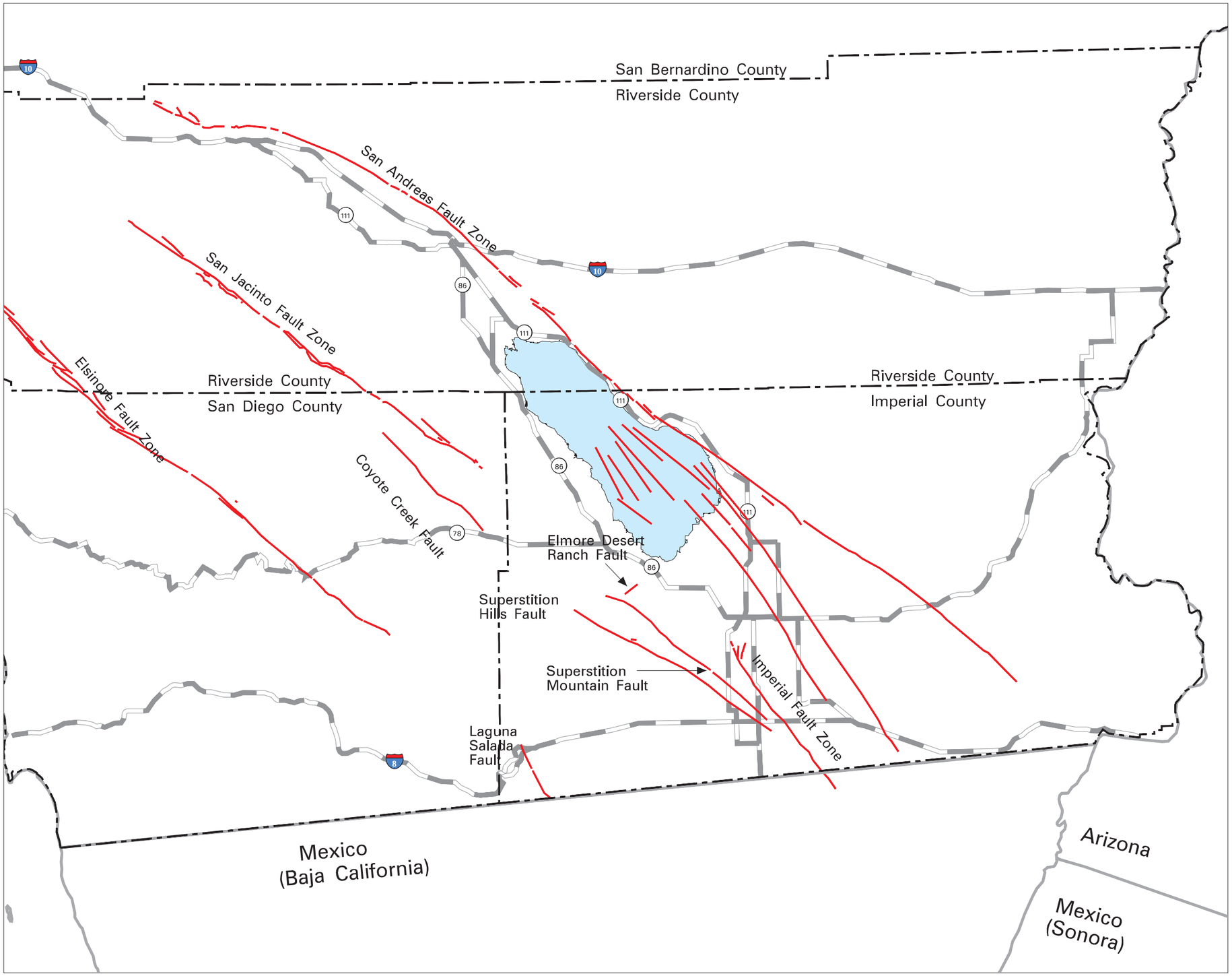
Scale in Miles

Fault Map

Salton Sea, California

Figure 3.3-1



Legend:

- Lakeshore at -227 Feet Mean Sea Level
- Highways
- Faults

Explanation:

This data provides a regional overview of fault zones located in the Salton Sea region. Map based on United States Geological Survey data.

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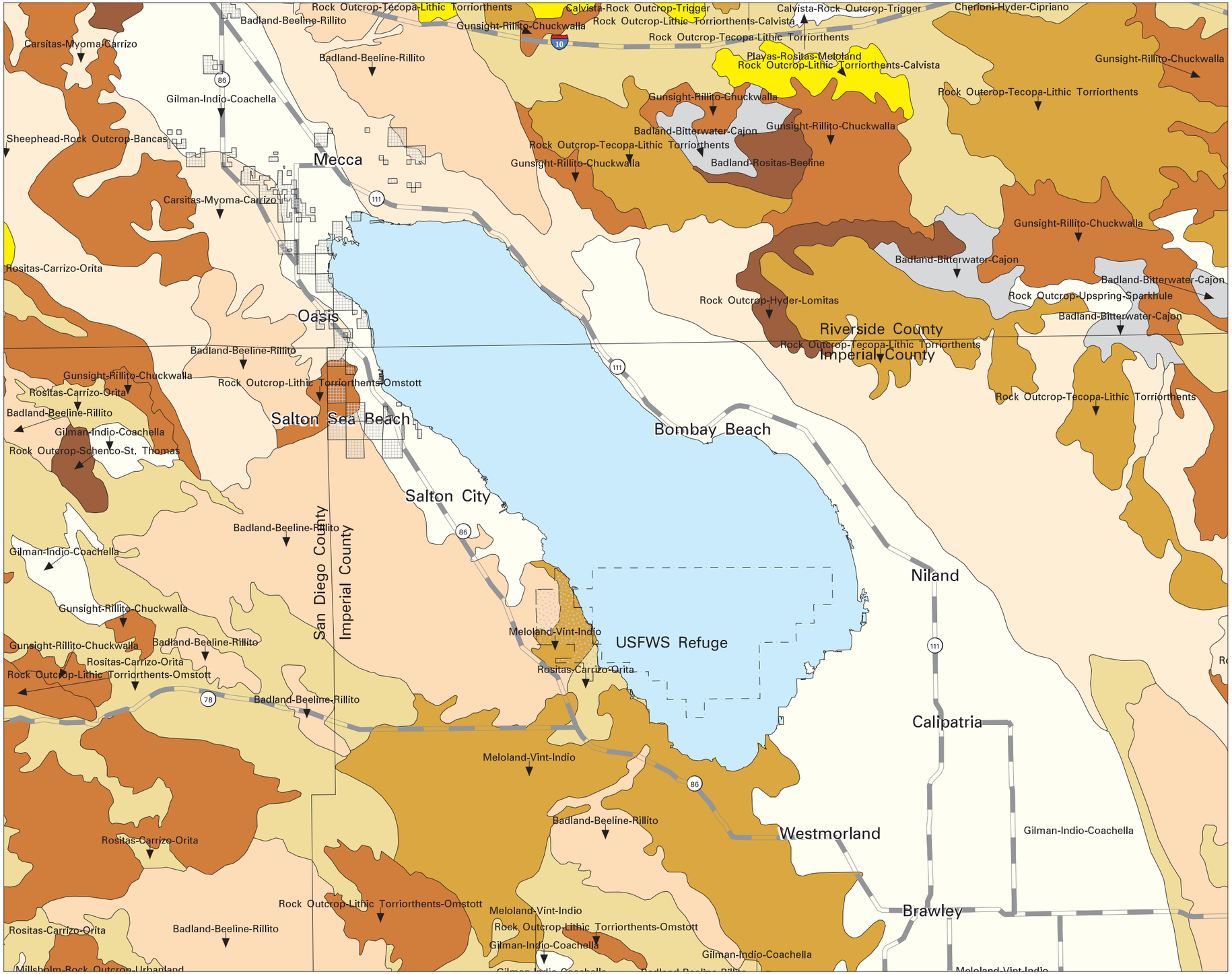
Scale in Miles

Soil Associations

Salton Sea, California

Figure 3.3-2



Legend:

- Highways
- Lakeshore at -227 Feet Mean Sea Level
- Indian Lands
- Test Base

Explanation:

This map is a general soil association map developed by the National Cooperative Soil Survey. It consists of a broad based inventory of soils and nonsoil areas that occur in a repeatable pattern on the landscape.

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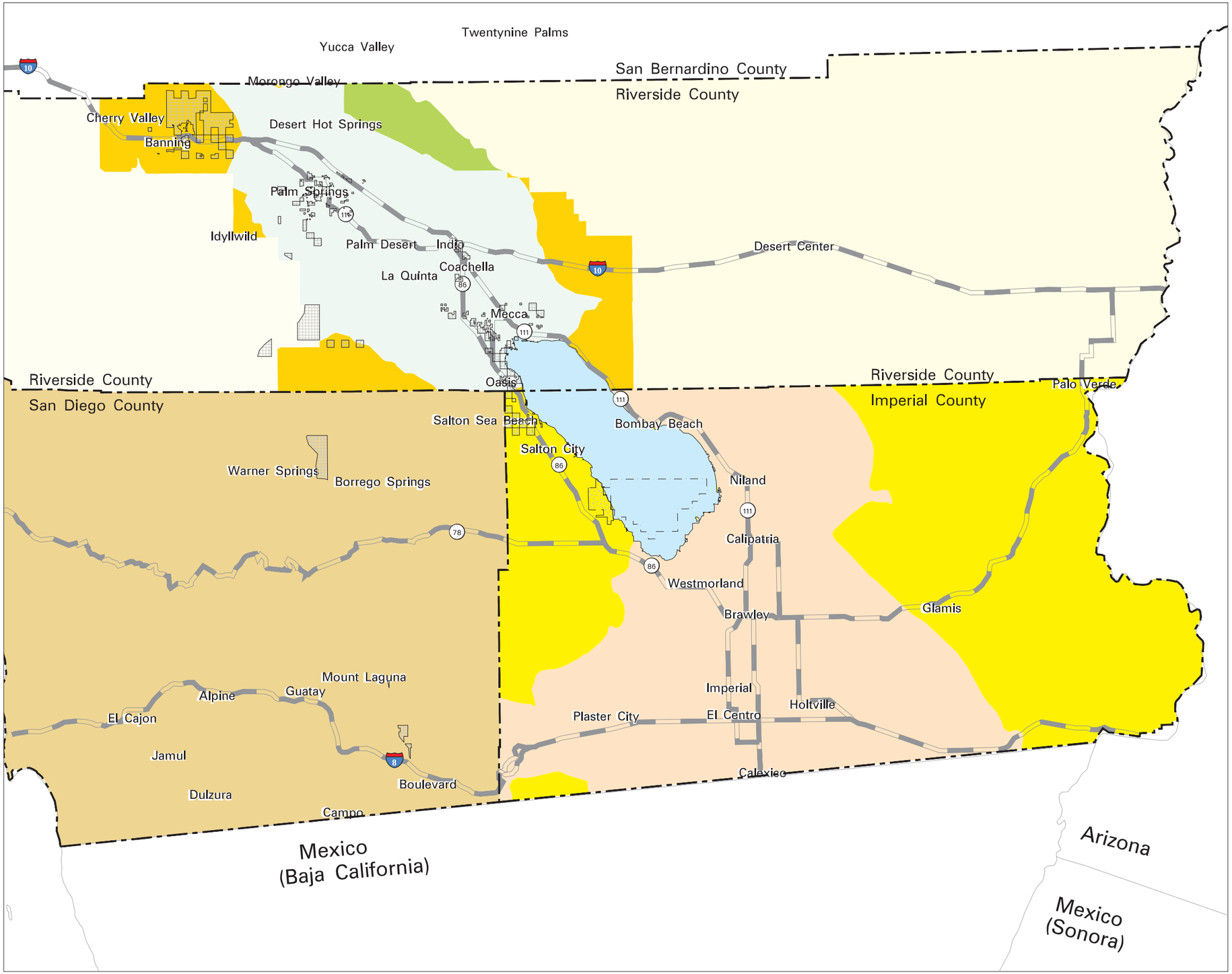
Scale in Miles

Federal Air Quality Nonattainment Designations

Salton Sea, California

Figure 3.4-1



Legend:

- South Coast Air Basin, Riverside County. Extreme ozone nonattainment, serious CO nonattainment, NO2 nonattainment, & serious PM10 nonattainment.
- Air Quality Management Area, Riverside County. Severe ozone nonattainment.
- Air Quality Management Area & Coachella Valley Planning Area, Riverside County. Severe ozone nonattainment & serious PM10 nonattainment.
- Coachella Valley Planning Area, Riverside County. Serious PM10 nonattainment.
- Remainder of Riverside County. Attainment for all Federal standards.
- Imperial Valley Planning Area, Imperial County. Moderate PM10 nonattainment.
- Imperial County. Transitional ozone nonattainment.
- San Diego County. Serious ozone nonattainment.
- Lakeshore at -227 Feet Mean Sea Level
- Highways

Explanation:

Federal ozone & PM10 nonattainment designations affect most of the Salton Sea Basin. Nonattainment designations are made separately for ozone and PM10 which have different severity designations in different portions of counties.

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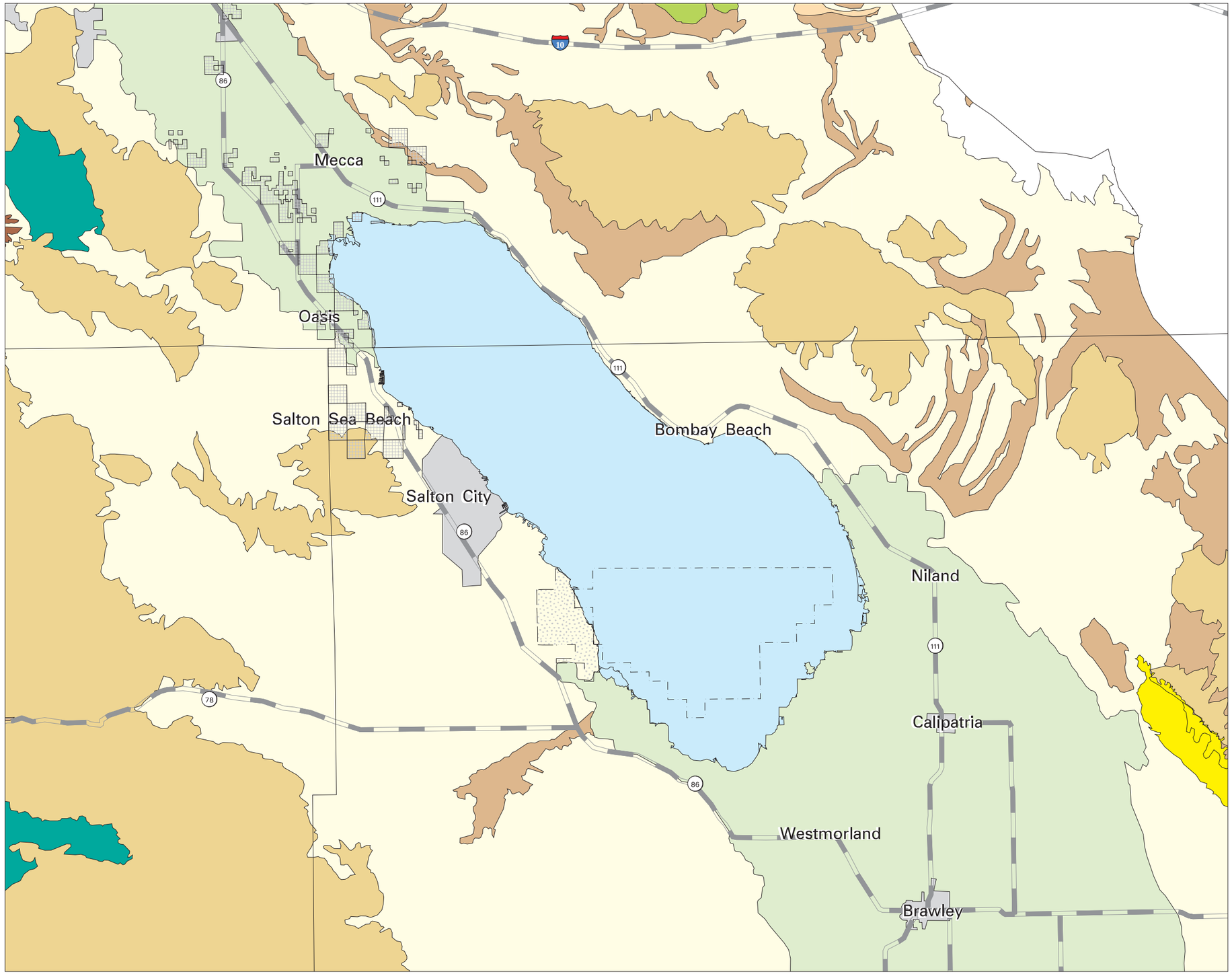
Scale in Miles

Vegetation & Habitat

Salton Sea, California

Figure 3.8-1



Legend:

- Agriculture
- Mojave Mixed Woody Scrub
- Pinyon Juniper Woodland
- Unknown
- Creosote Bush Scrub
- Alkali Plya Communities
- Sonoran Desert Mixed Scrub
- Desert Dry Wash Woodland
- Mixed Chaparral Scrub Communities
- Urban
- Highways
- Lakeshore at -227 Feet Mean Sea Level
- Indian Lands
- Test Base

Explanation:

The map represents vegetation in the Salton Sea watershed. The data was distributed by California Gap Analysis Project and the University of California, Santa Barbara.

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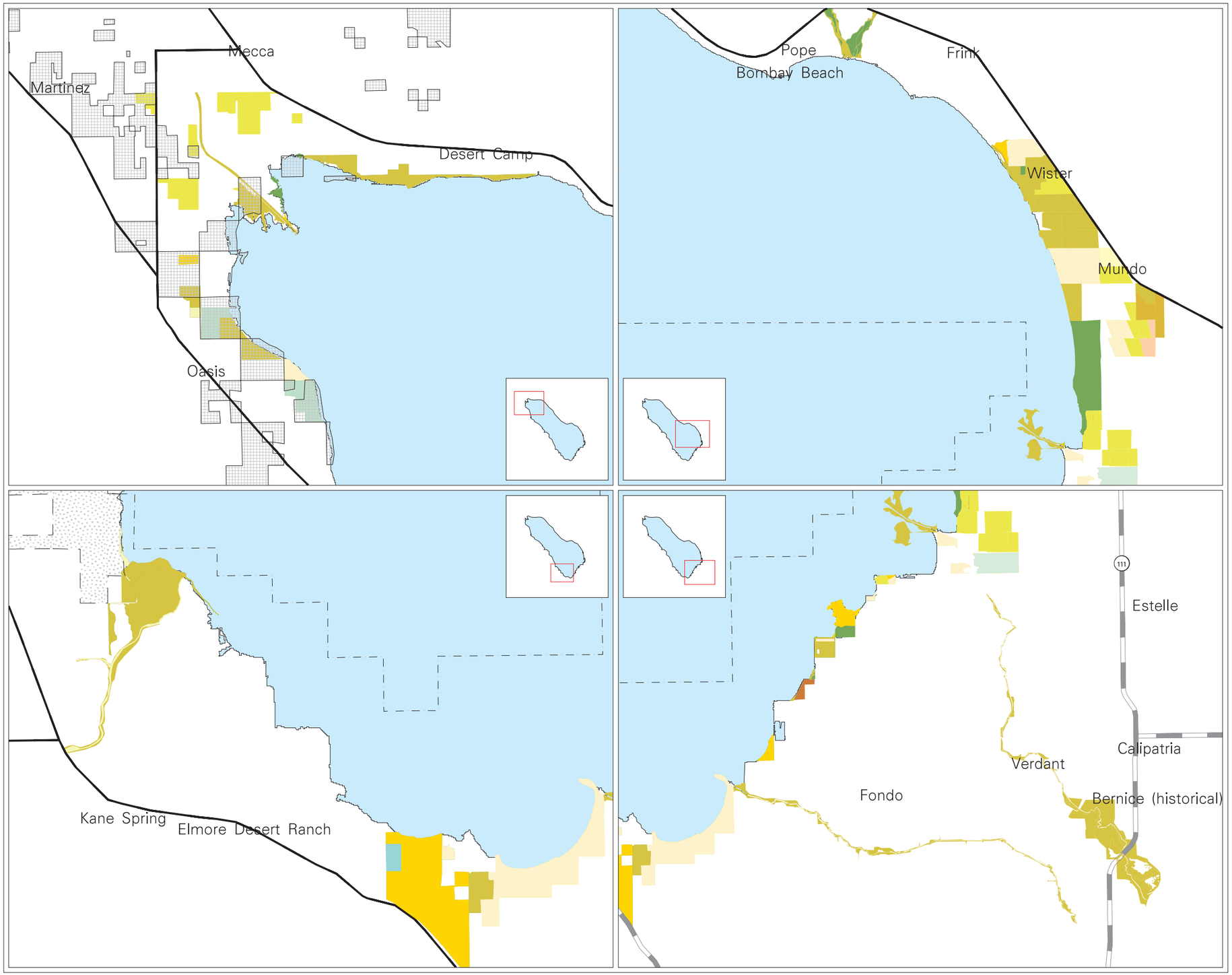
Scale in Miles

Wetlands Vegetation

Salton Sea, California

Figure 3.8-2



Legend:

- Lakeshore at -227 Feet Mean Sea Level
- Iodine Bush
- Safflower
- Mixed Halophytic Species
- Barley
- Common Reed
- Adjacent Wetland
- Mesquite
- Bulrush
- Sea-blite
- Tamarisk
- Broad-leaf Cattail
- Managed Wetland
- Mudflats
- Indian Lands
- Test Base
- Highways

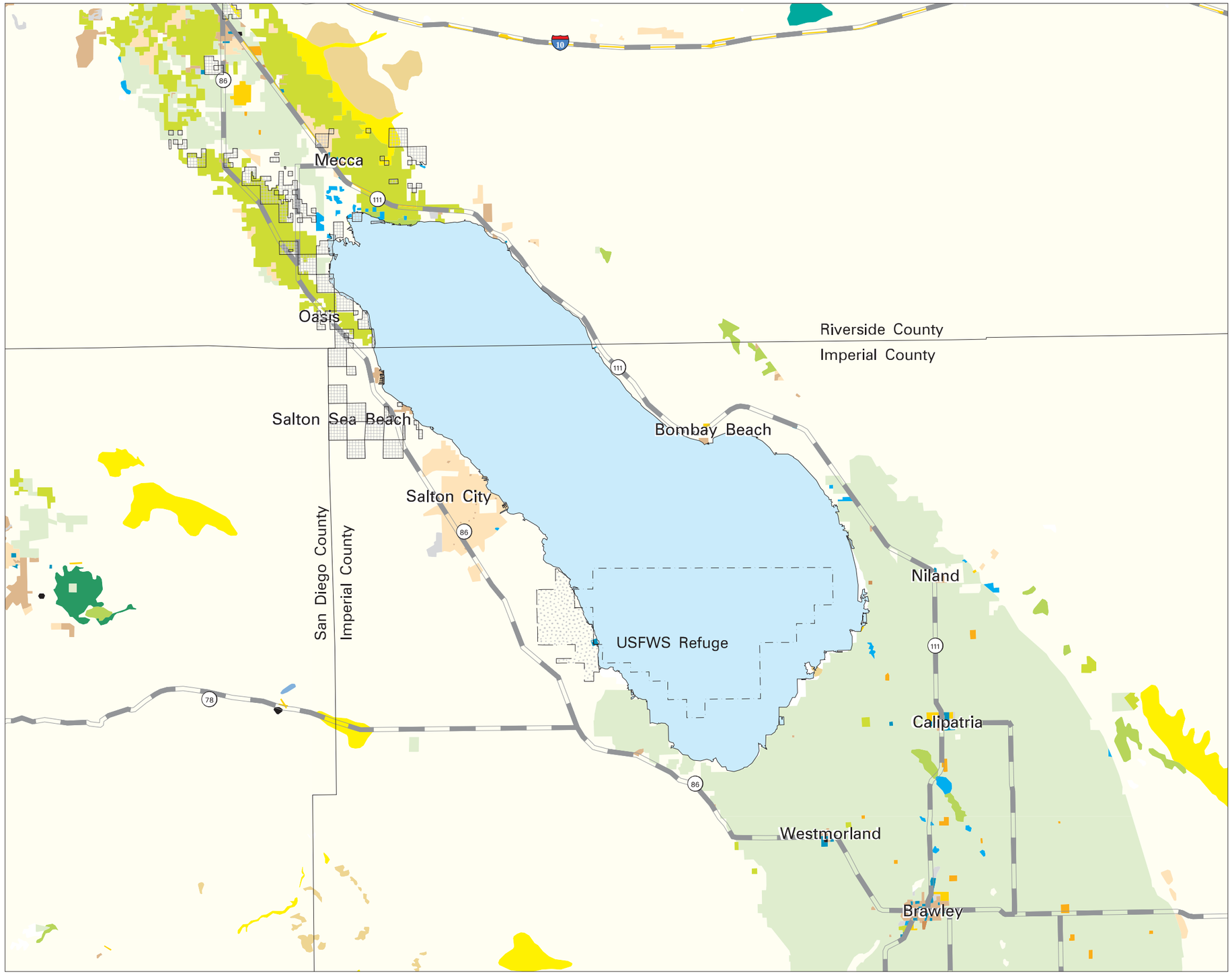
Explanation:

A combined vegetation and wetlands coverage has been produced utilizing digital orthophotograph quarter-quadrangles.

Land Use

Salton Sea, California

Figure 3.10-1



Legend:

- Bare Exposed Rock
- Commercial and Services
- Confined Feeding Operations
- Nonforested Wetlands
- Dry Salt Flats
- Industrial
- Mixed Forest Land
- Mixed Rangeland
- Mixed Urban or Built Up Land
- Other Urban or Built Up Land
- Reservoirs
- Residential
- Sandy Areas (not beaches)
- Shrub and Brush Rangeland
- Transitional Areas
- Transportation, Communication, or Utilities
- Cropland and Pasture
- Orchards, Groves, Vineyards, or Nuseries
- Highways
- Lakeshore at -227 Feet Mean Sea Level
- Indian Lands
- Test Base

Explanation:

Land use areas are determined by Anderson Land Classifications. Data was provided by the United States Geological Survey.

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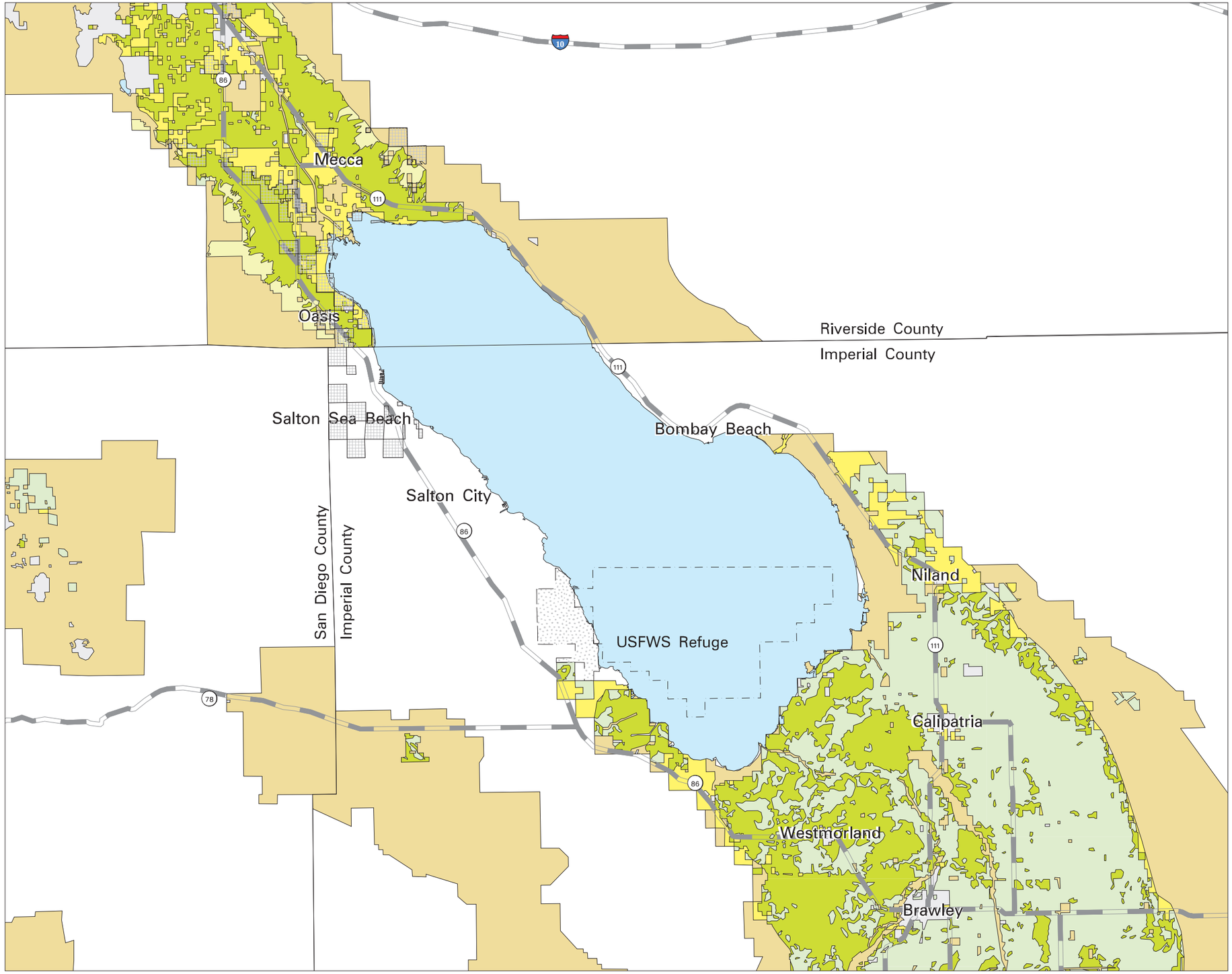
0 5 10

Scale in Miles

Farmland

Salton Sea, California

Figure 3.11-1



Legend:

- Area Not Mapped
- Farmland of Local Importance
- Farmland of Statewide Importance
- Prime Farmland
- Unique farmland
- Urban & Built Up Land
- Water
- Other Land
- Highways
- Lakeshore at -227 Feet Mean Sea Level
- Indian Lands
- Test Base

Explanation:

Farmland data was created by the California Division of the Land Resource Protection Agency. Additional modifications, Tetra Tech 1999.

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0 5 10

Scale in Miles