Figures

FIGURE 3.
Salton Sea Level Comparisons Comparison, 2000 through 2020

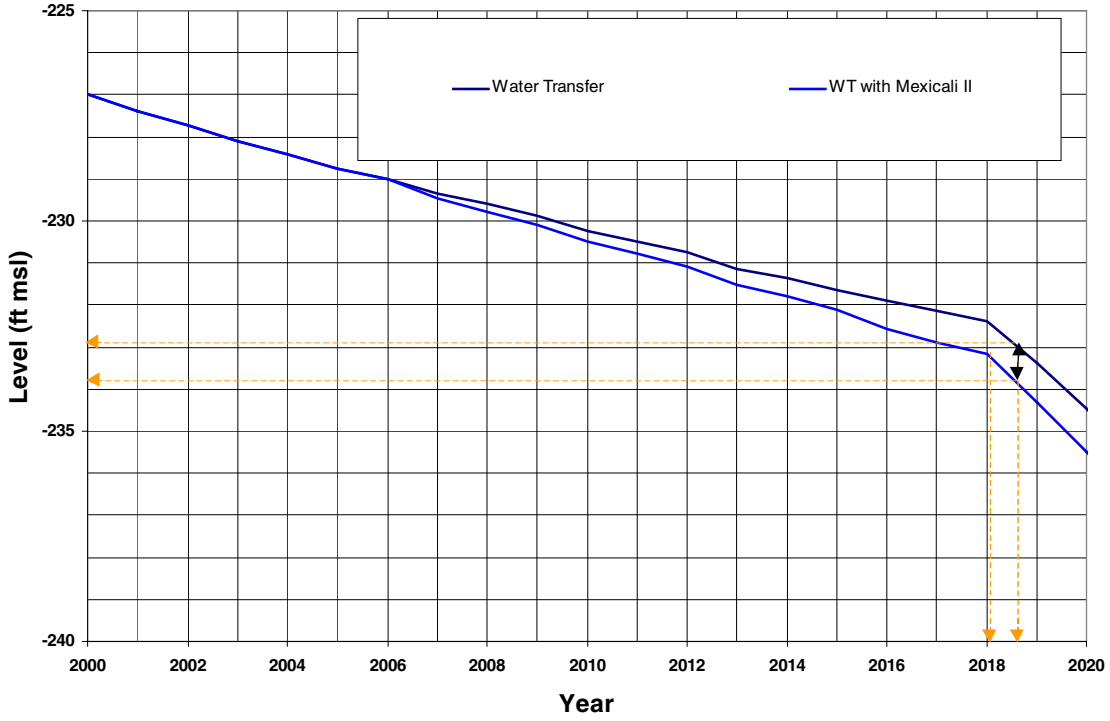


FIGURE 5.
Salton Sea Salinity Comparison, 2000 through 2020

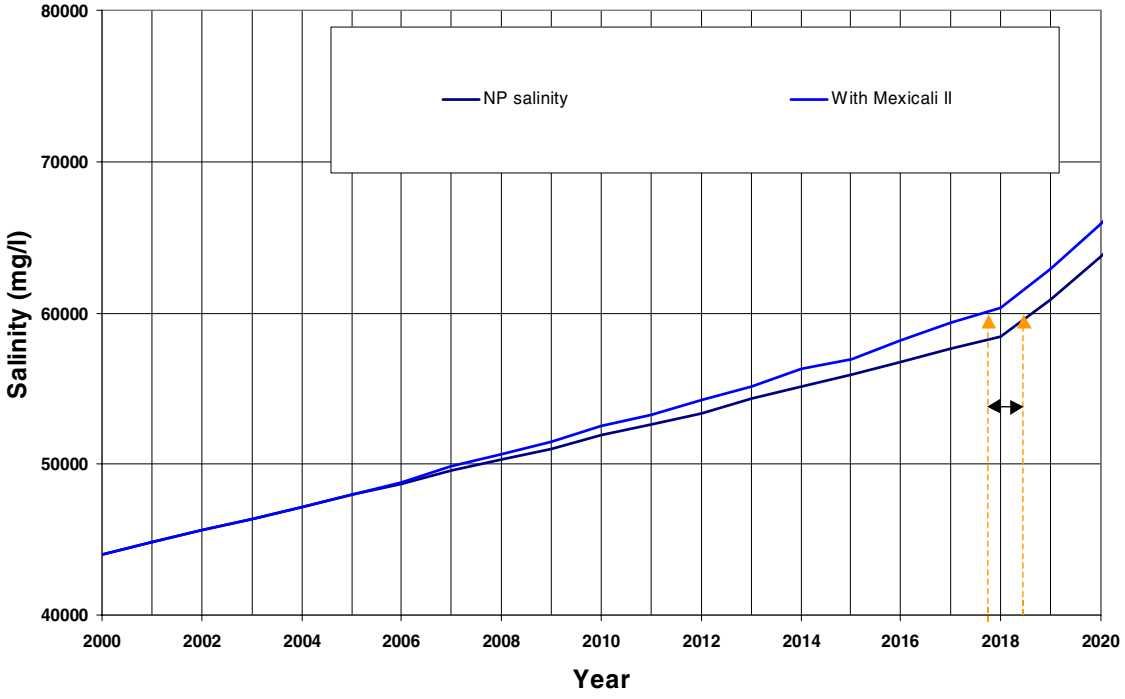


FIGURE 6.
Salton Sea Area Comparison, 2000 through 2074

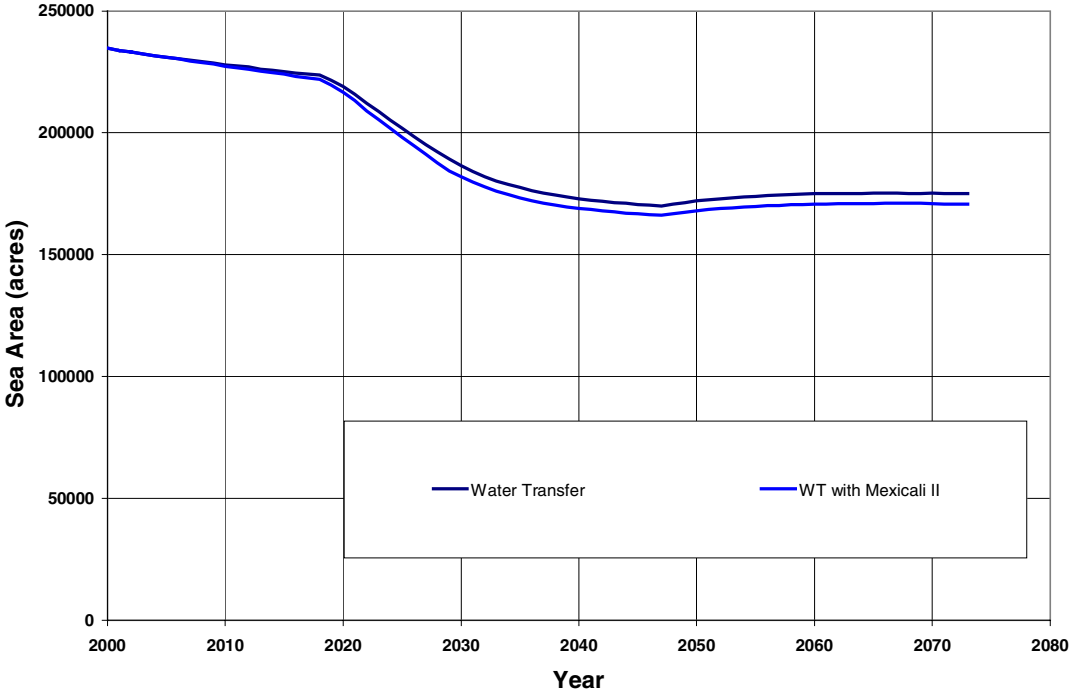
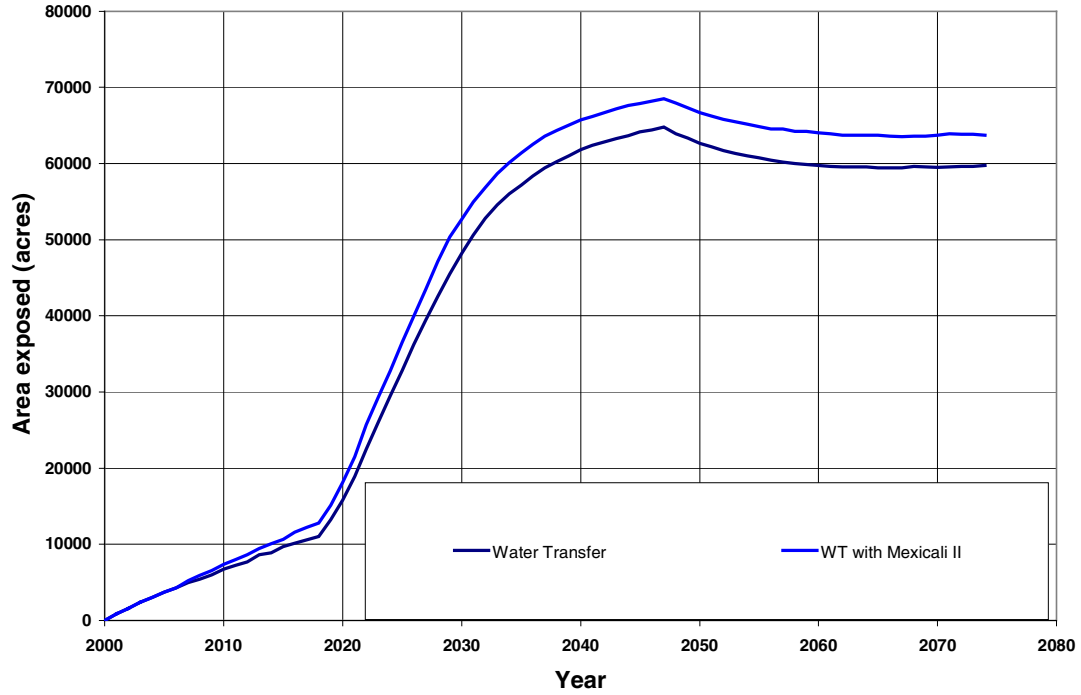


FIGURE 7.
Salton Sea Playa Area Exposure Comparison, 2000 through 2074



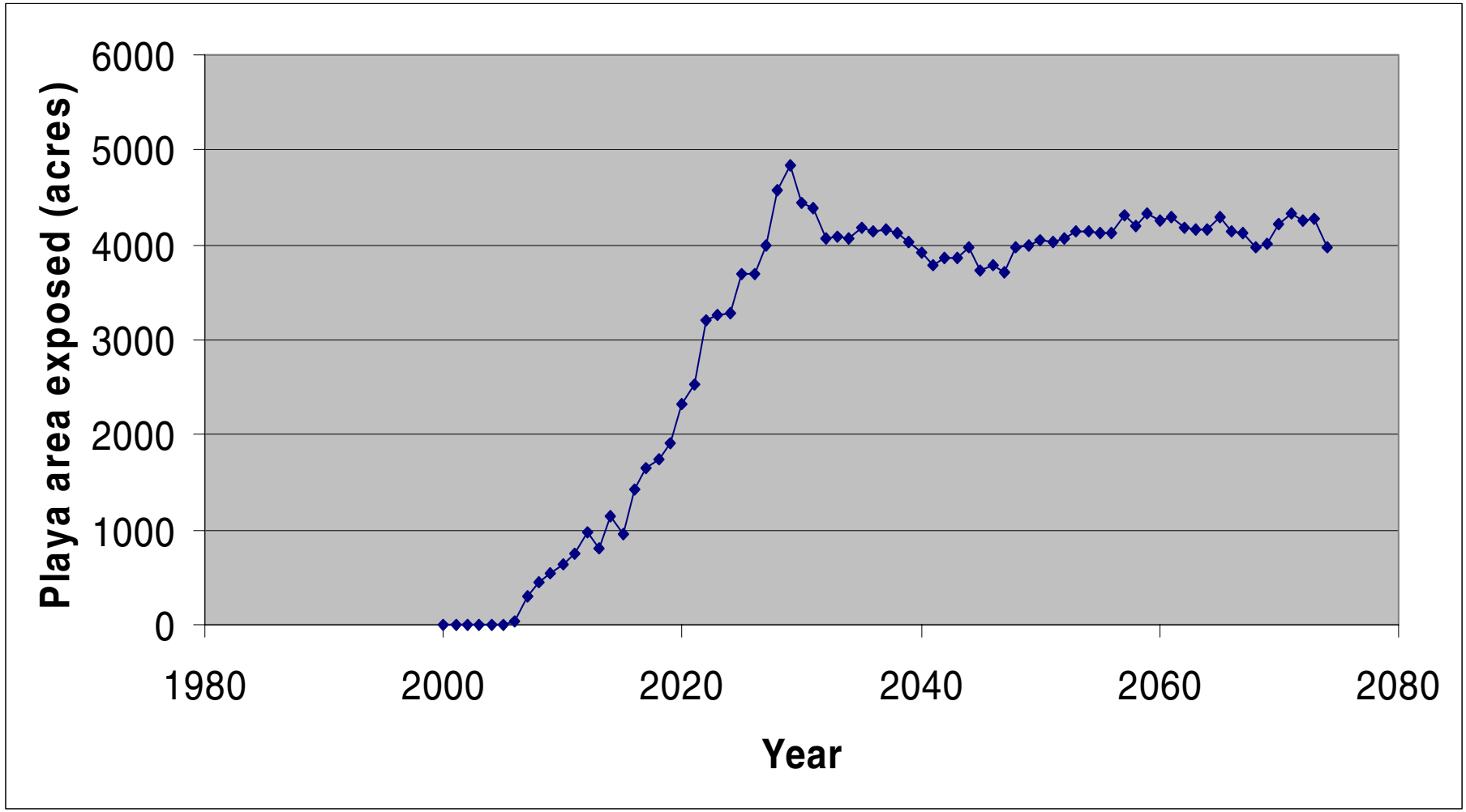


FIGURE 8
Additional Salton Sea Playa Area Exposure, 2000 through 2074

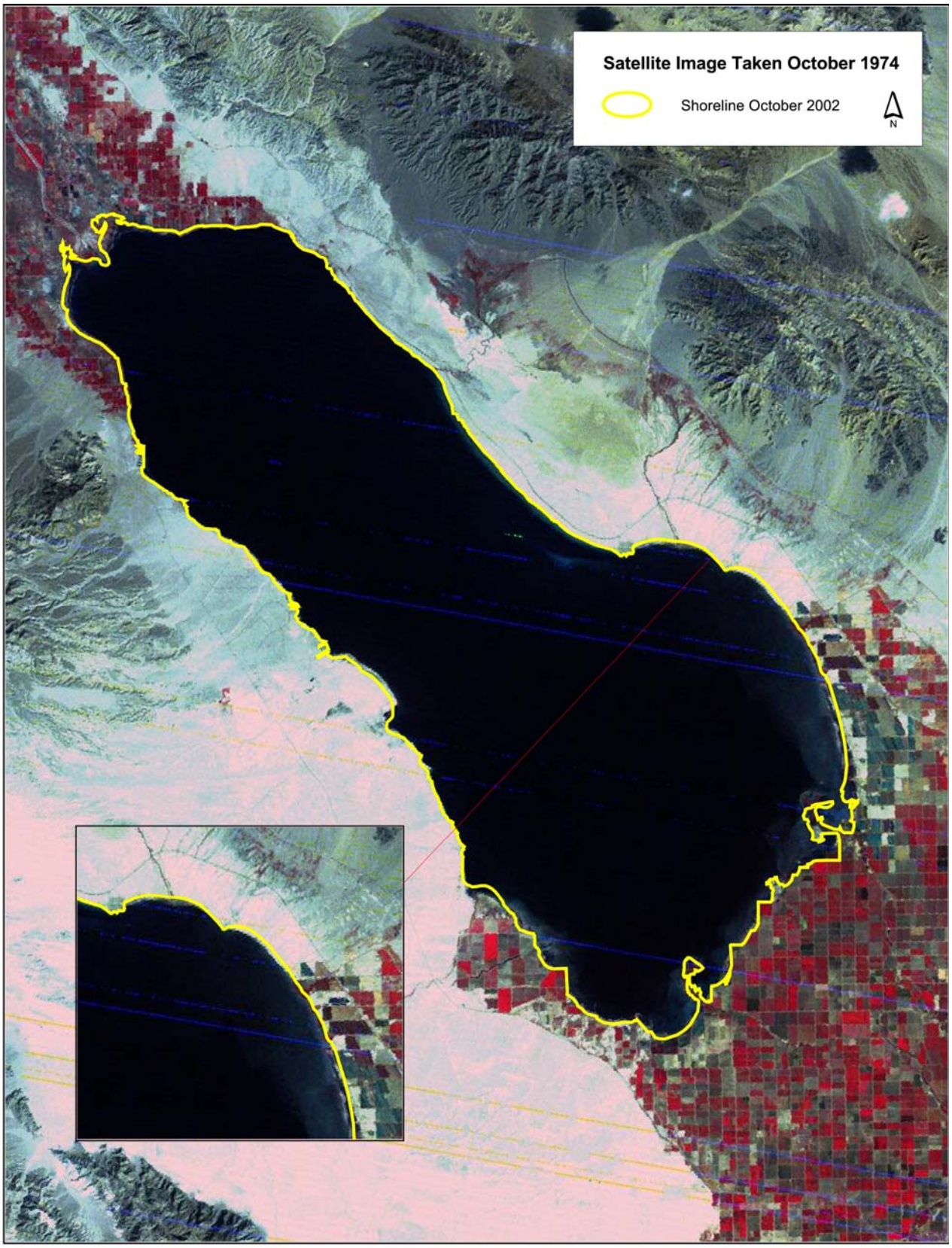


FIGURE 9
Exposed Playa Along the Sea Margin, Showing Difference Between Sea Coverage Between 1974 (low) Levels and 2002 (high) Levels

FIGURE 10

Historic Fluctuations in Sea Level

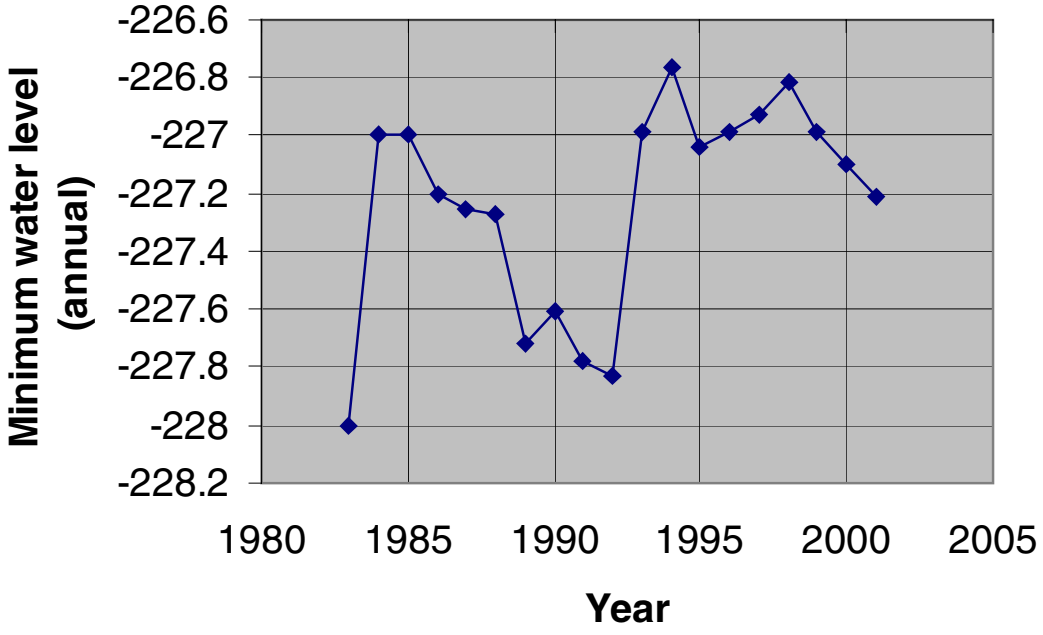


FIGURE 11
Imperial County Dust Emissions Plotted Against Relative Sea Playa Exposure.
1994 exposure is set at 0, with other years calculated relative to 1994.

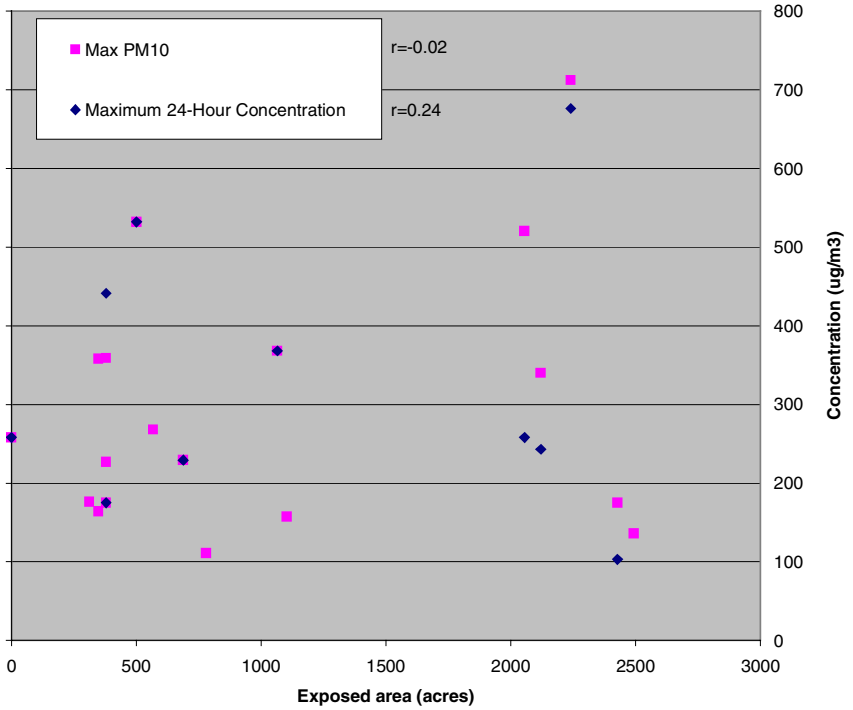


FIGURE 12
Imperial County Dust Emissions Plotted Against Relative Sea Playa Exposure.
1994 exposure is set at 0, with other years calculated relative to 1994.

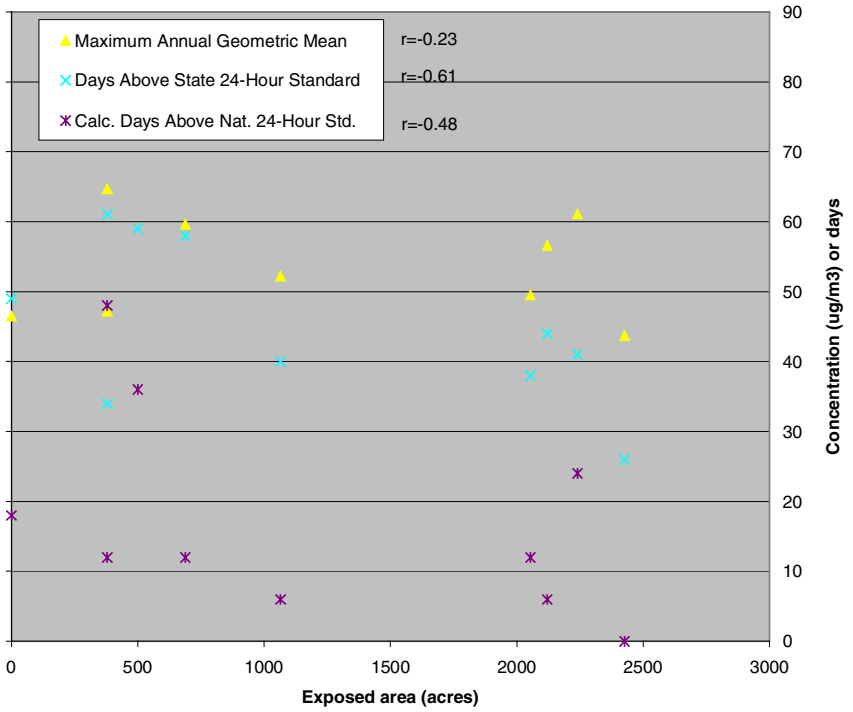


FIGURE 13
Riverside County Dust Emissions Plotted Against Relative Sea Playa- Exposure
1994 exposure is set at 0, with other years calculated relative to 1994

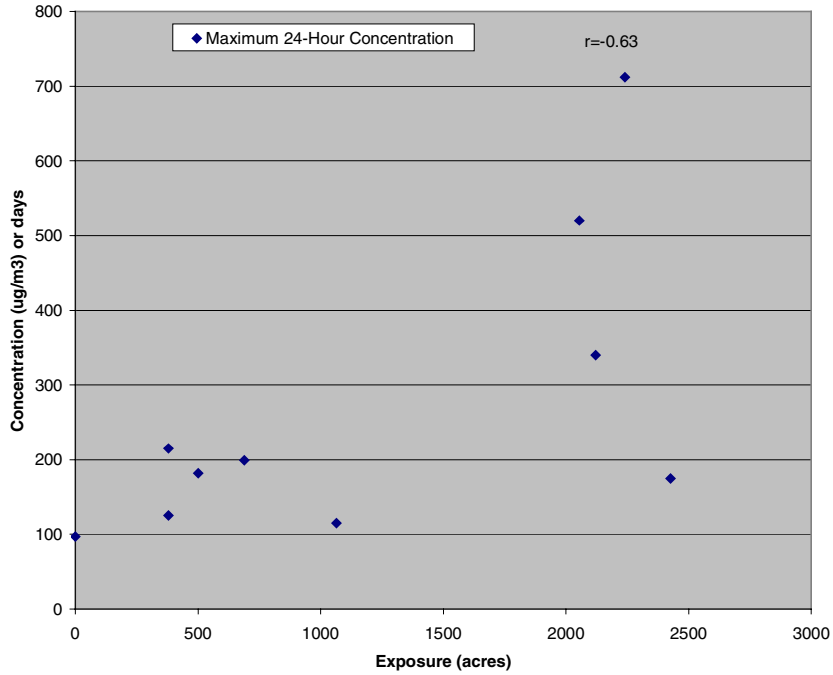


FIGURE 14
Riverside County Dust Emissions Plotted Against Relative Sea Playa- Exposure
1994 exposure is set at 0, with other years calculated relative to 1994

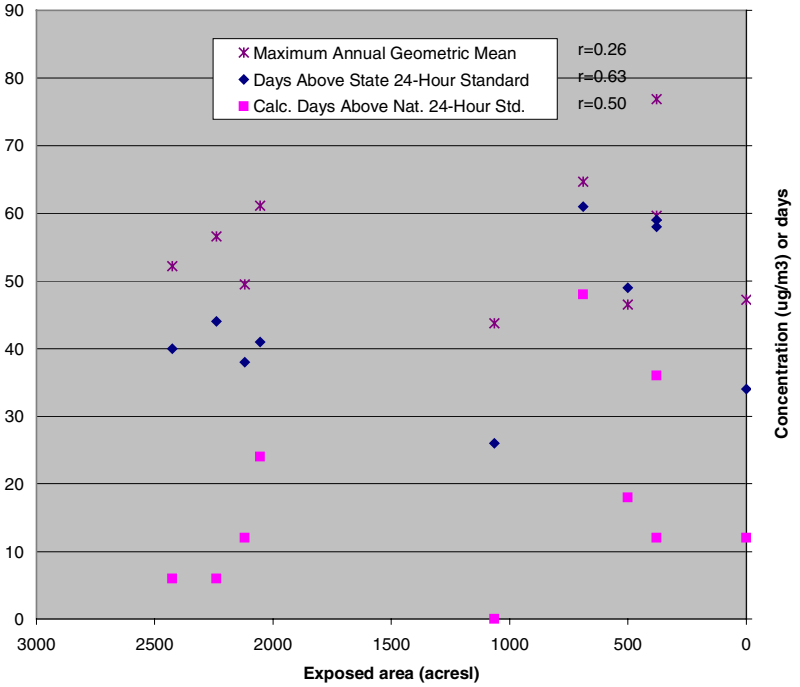


FIGURE 15
Salton Sea Bathymetric Map

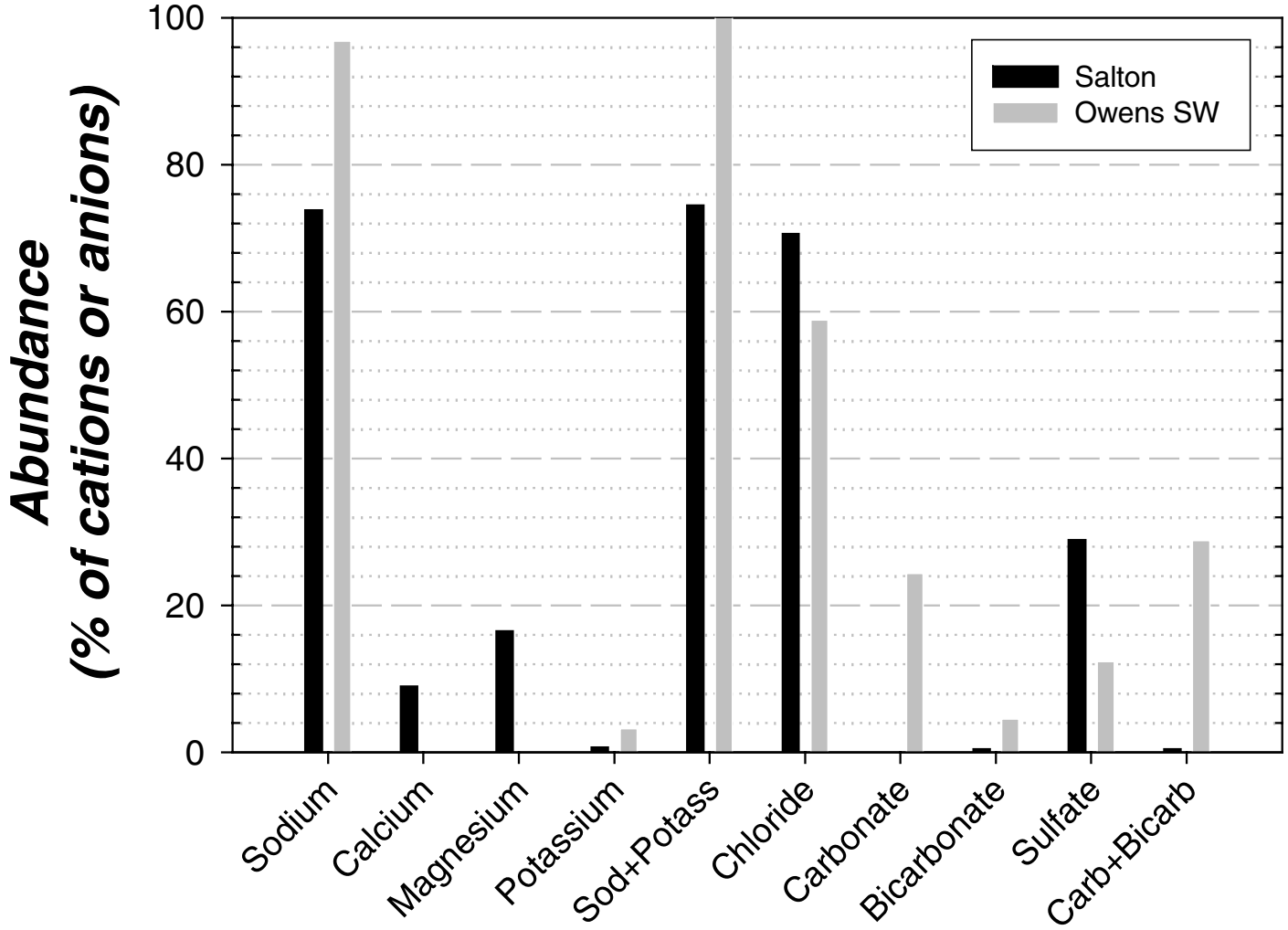


FIGURE 16

Relative Abundance of Major Cations and Anions at Salton Sea (Bertram Station, 1996-2001) and in Subsurface Drainage Water at Owens Lake (Agrarian and Tree Rows Sites, October 1998). Abundance for cations (sodium, calcium, magnesium, and potassium) is given as a percentage of the total cations, and for anions (chloride, carbonate, bicarbonate, and sulfate) as a percentage of total anions (milliequivalents/liter).

Source: IID Water Conservation and Transfer Draft EIS EIR

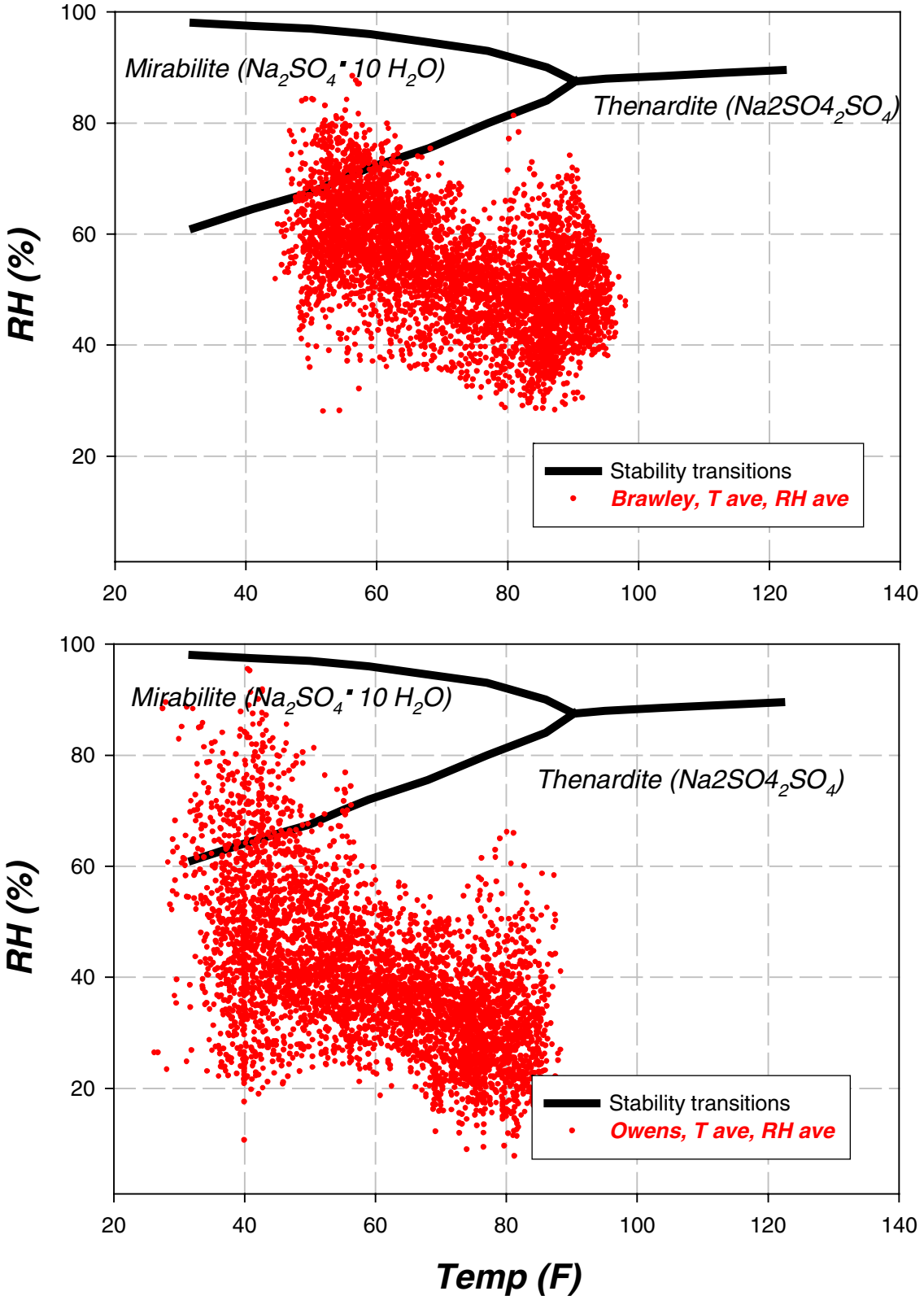


FIGURE 17
Temperature and Relative Humidity, 5-day Moving Averages for Brawley and Owens Lake. Shown Relative to Stability Threshold for Transition Between Mirabilite and Thenardite.

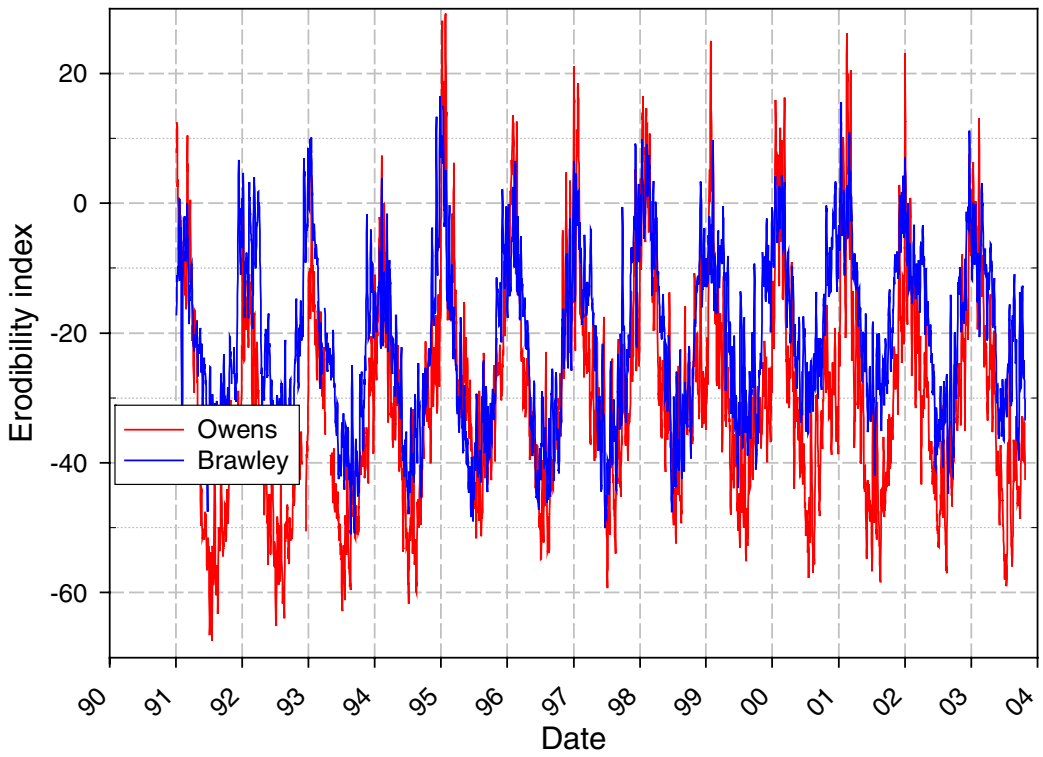


FIGURE 18
Erodibility Index at Brawley and Owens Lake over about 12 Years

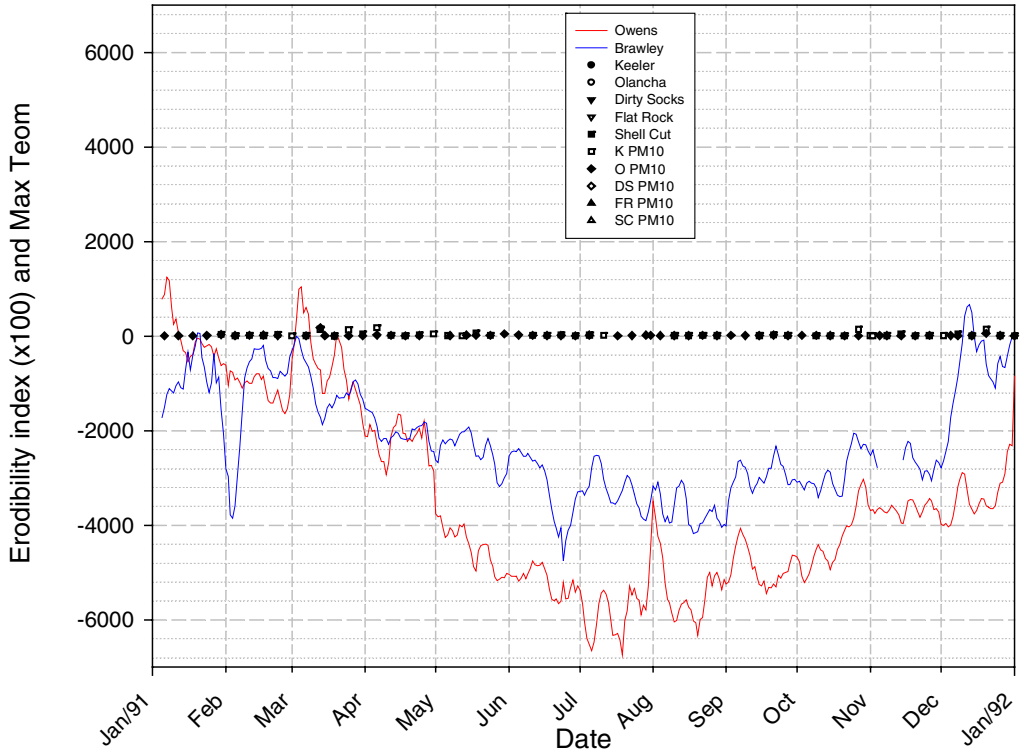


FIGURE 19
Erodibility Index at Owens Lake and Brawley, as well as PM_{10} Measurements from Owens Lake, 1991

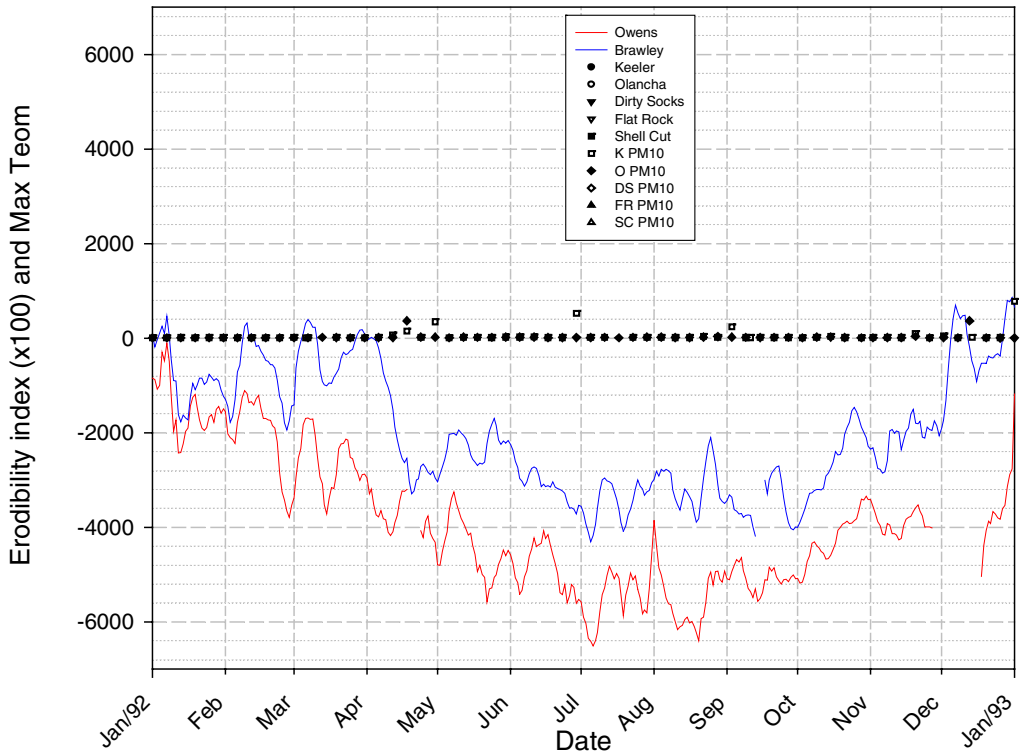


FIGURE 20

Erodibility Index at Owens Lake and Brawley, as well as PM_{10} Measurements from Owens Lake, 1992

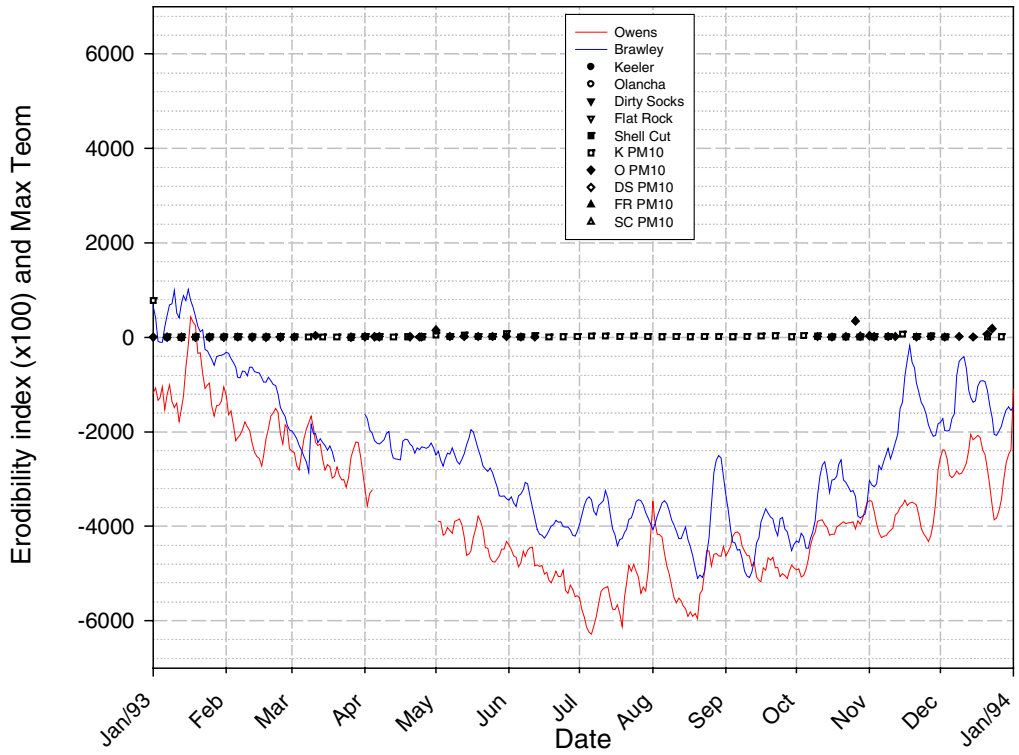


FIGURE 21

Erodibility Index at Owens Lake and Brawley, as well as PM_{10} Measurements from Owens Lake, 1993

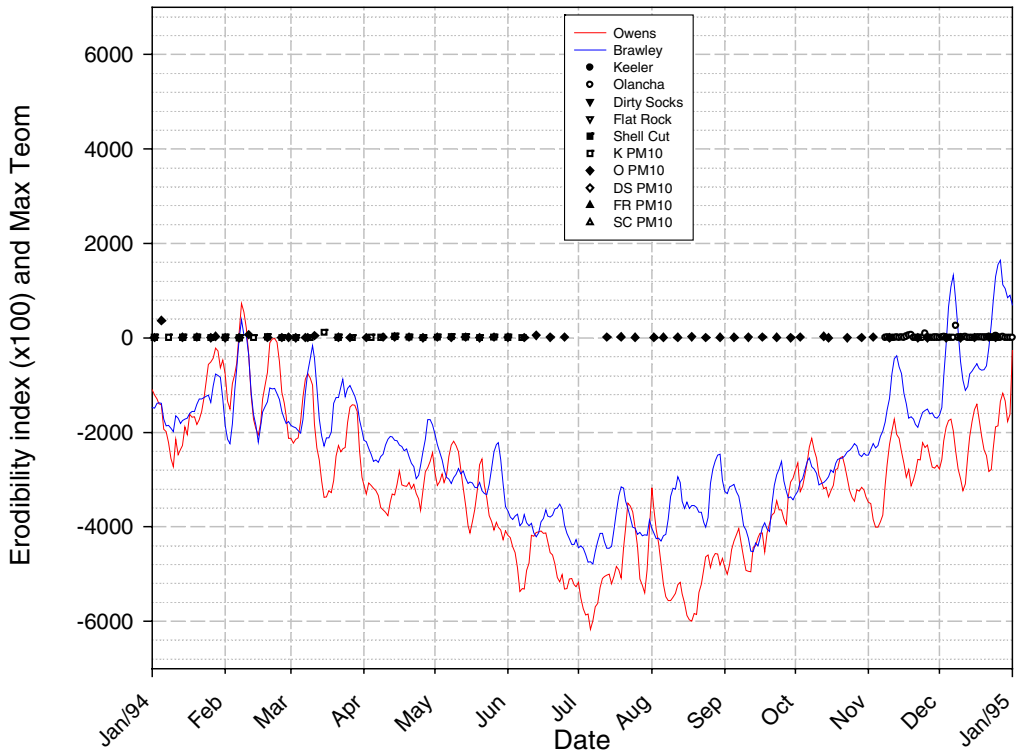


FIGURE 22

Erodibility Index at Owens Lake and Brawley, as well as PM_{10} Measurements from Owens Lake, 1994

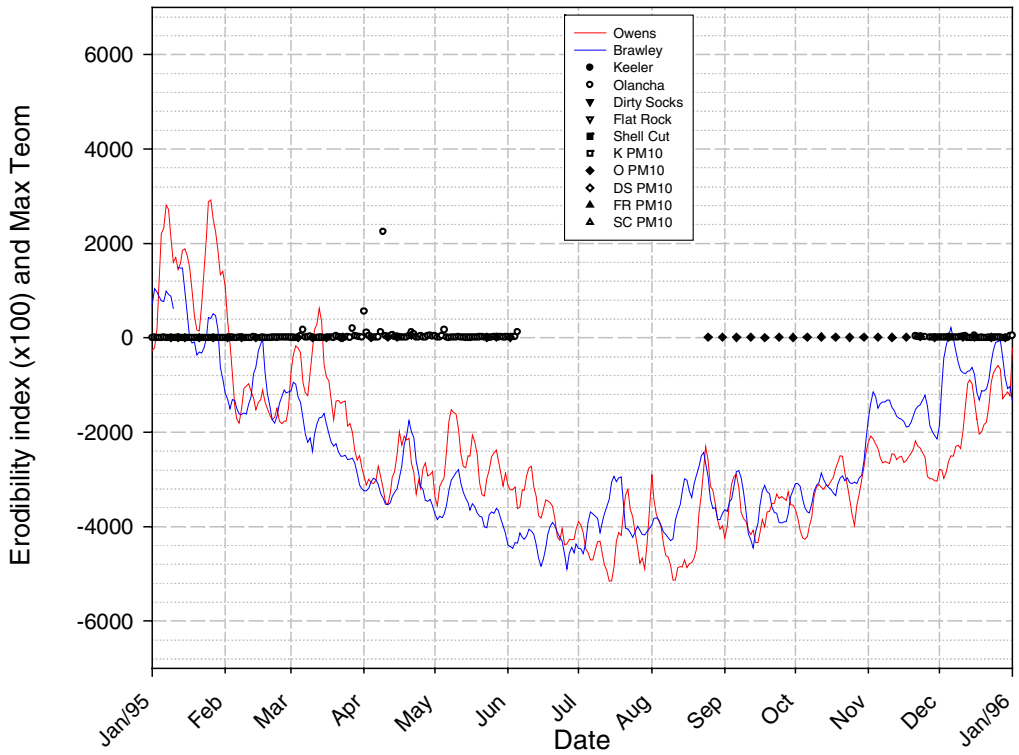


FIGURE 23

Erodibility Index at Owens Lake and Brawley, as well as PM_{10} Measurements from Owens Lake, 1995

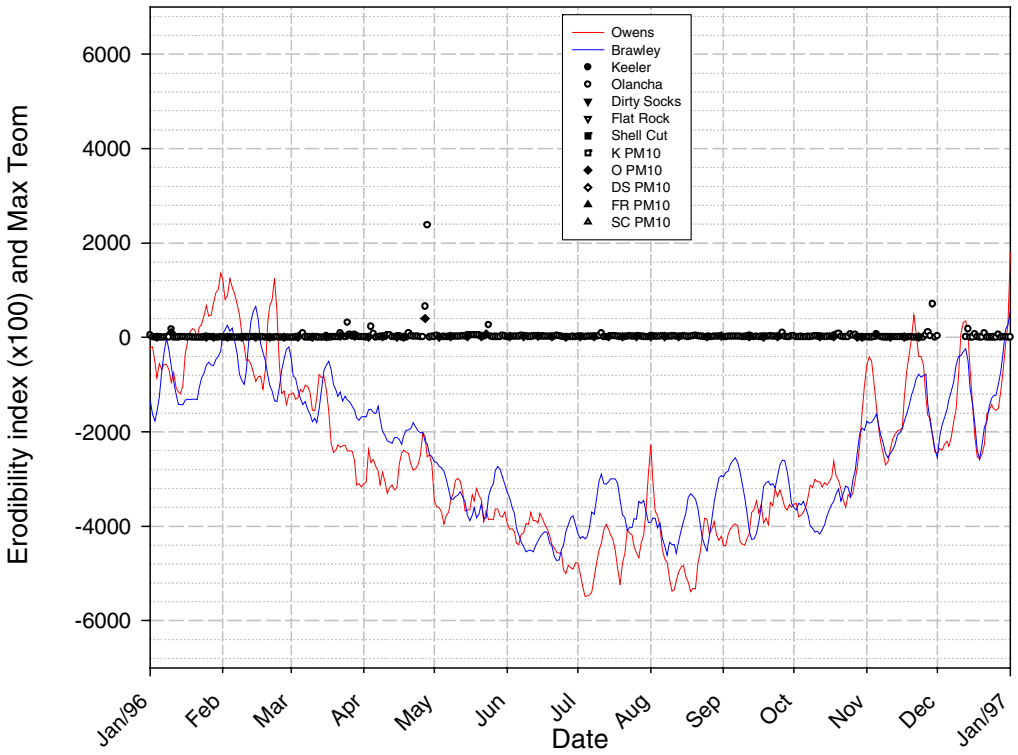


FIGURE 24

Erodibility Index at Owens Lake and Brawley, as well as PM_{10} Measurements from Owens Lake, 1996

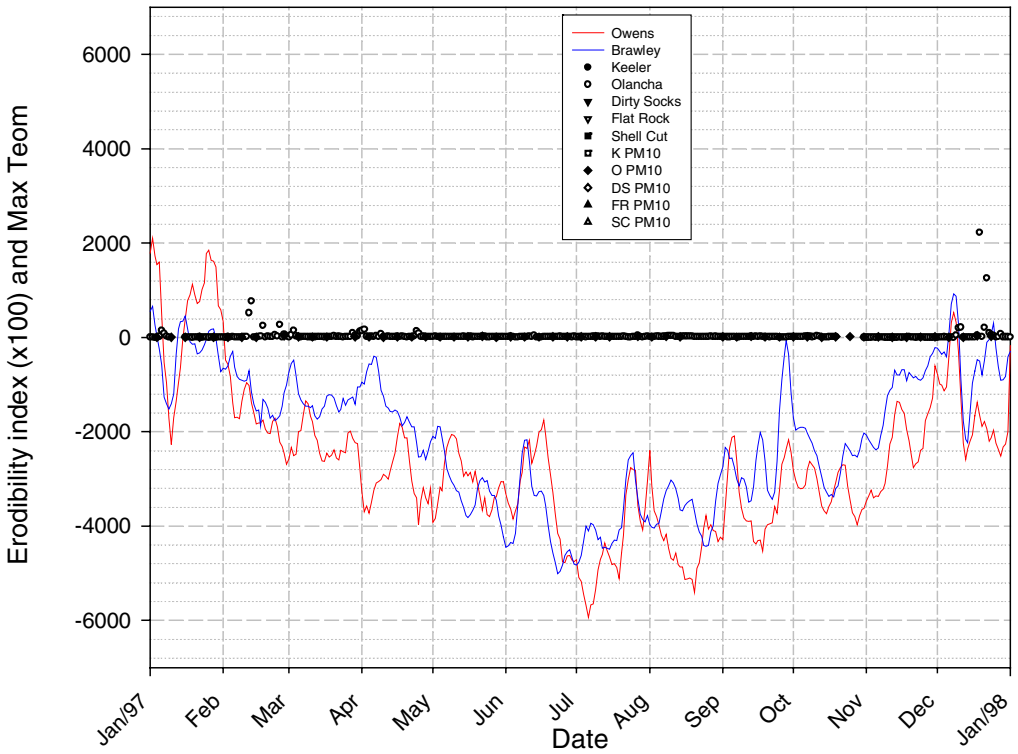


FIGURE 25

Erodibility Index at Owens Lake and Brawley, as well as PM_{10} Measurements from Owens Lake, 1997

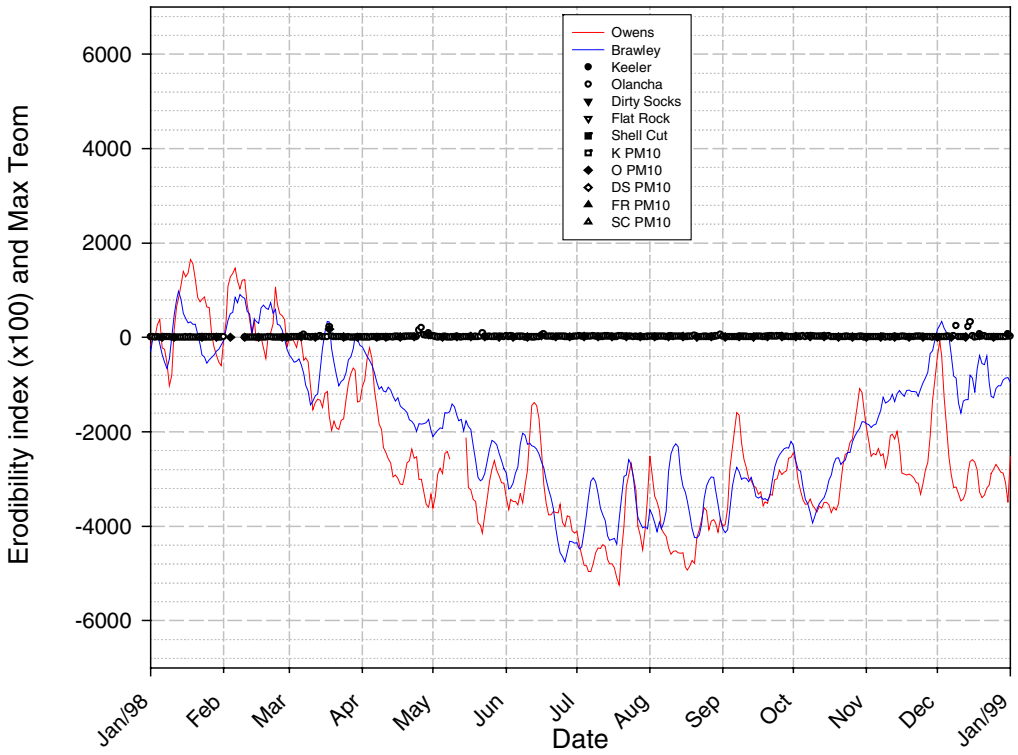


FIGURE 26

Erodibility Index at Owens Lake and Brawley, as well as PM_{10} Measurements from Owens Lake, 1998

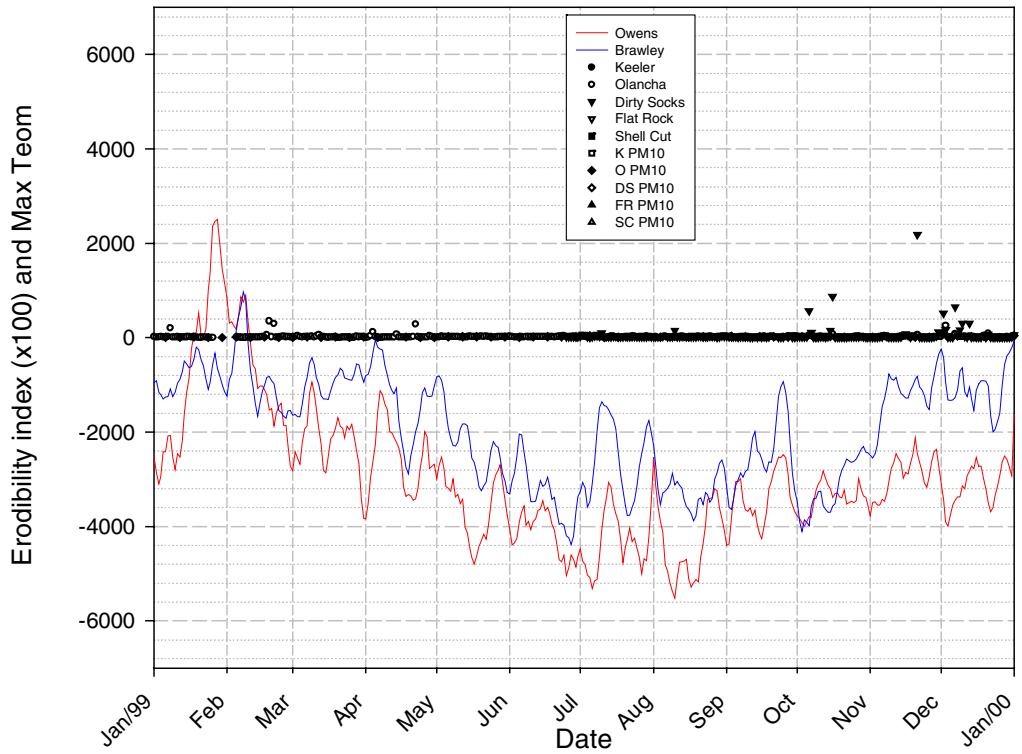


FIGURE 27

Erodibility Index at Owens Lake and Brawley, as well as PM_{10} Measurements from Owens Lake, 1999

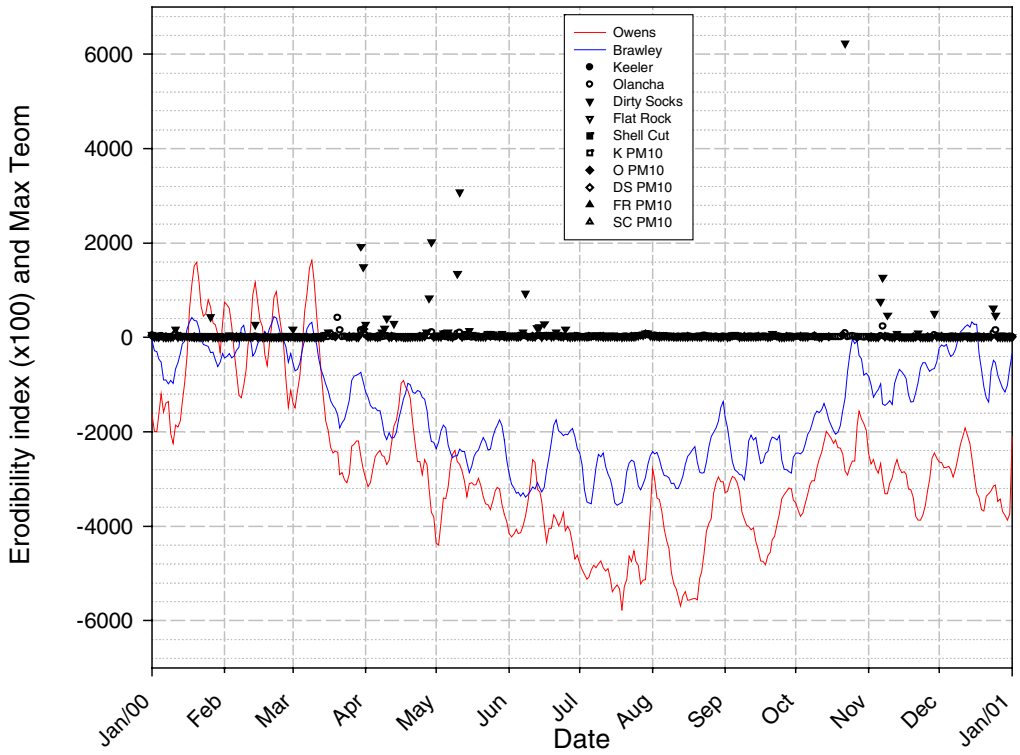


FIGURE 28

Erodibility Index at Owens Lake and Brawley, as well as PM_{10} Measurements from Owens Lake, 2000

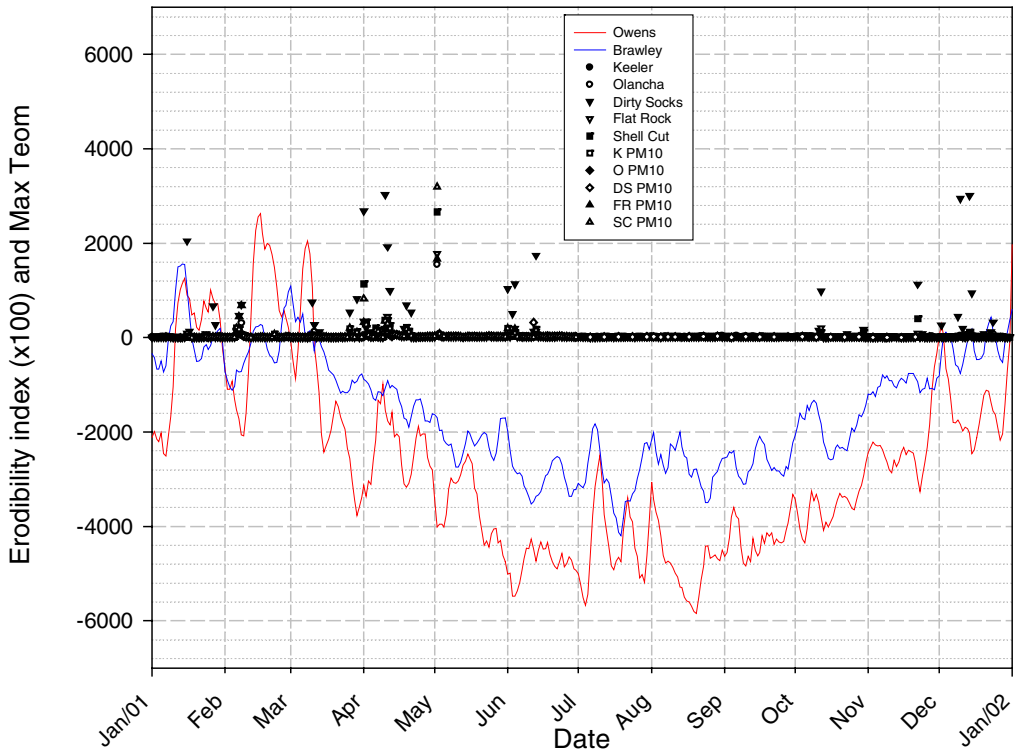


FIGURE 29

Erodibility Index at Owens Lake and Brawley, as well as PM_{10} Measurements from Owens Lake, 2001

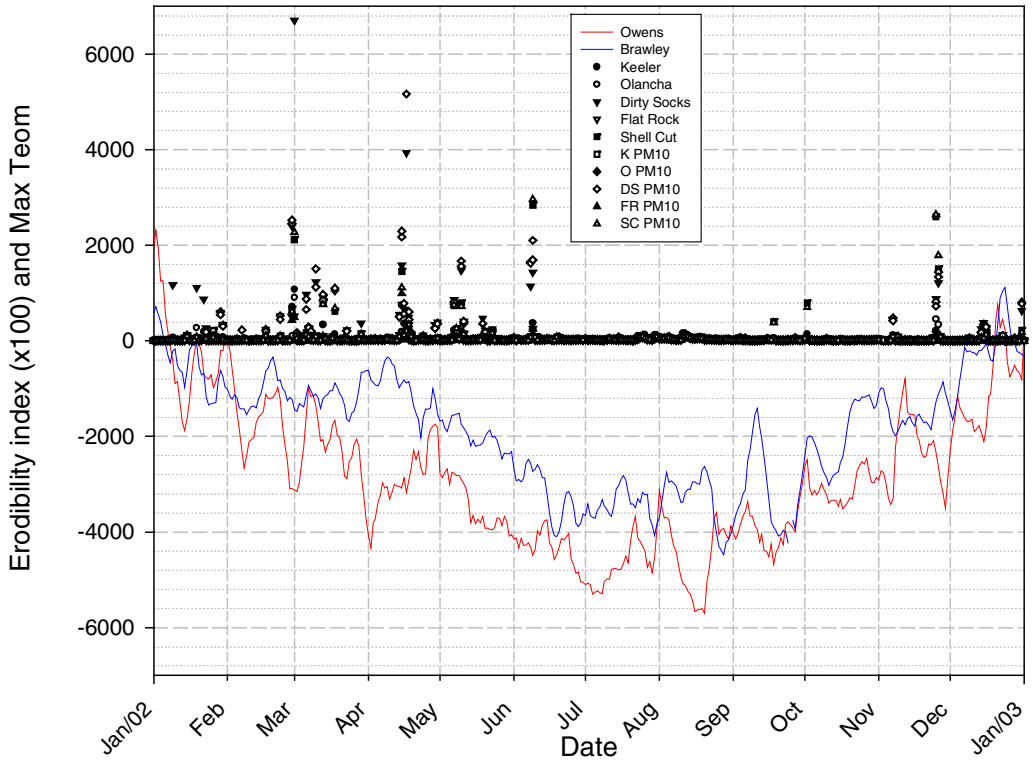


FIGURE 30
Erodibility Index at Owens Lake and Brawley, as well as PM_{10} Measurements from Owens Lake, 2002

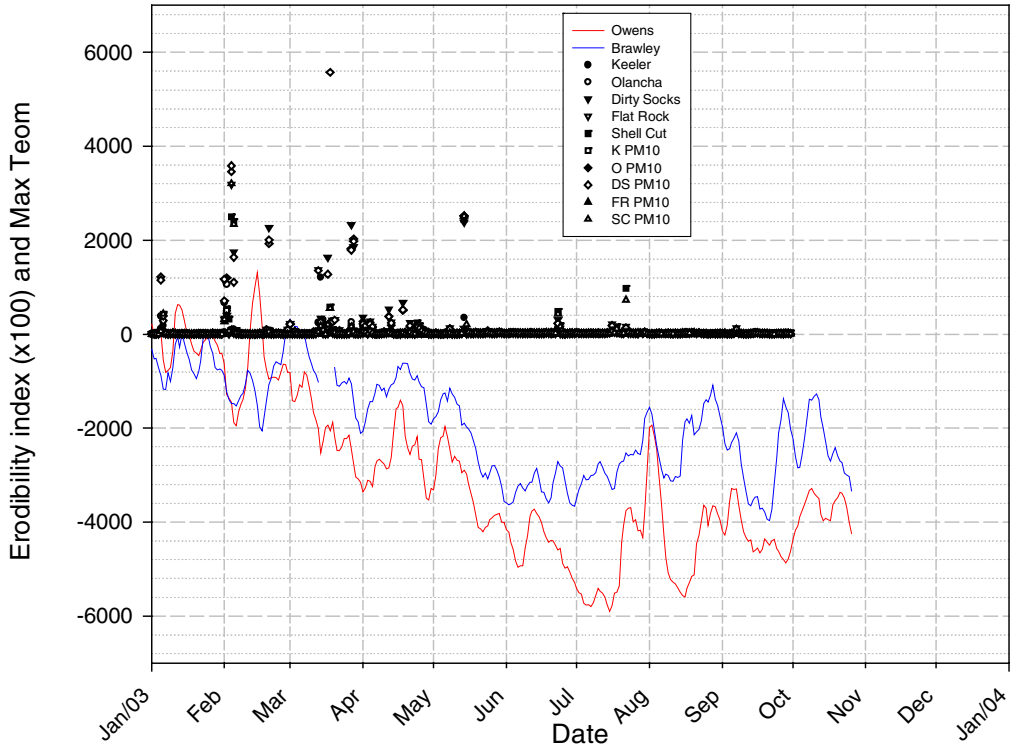


FIGURE 31
Erodibility Index at Owens Lake and Brawley, as well as PM_{10} Measurements from Owens Lake, 2003

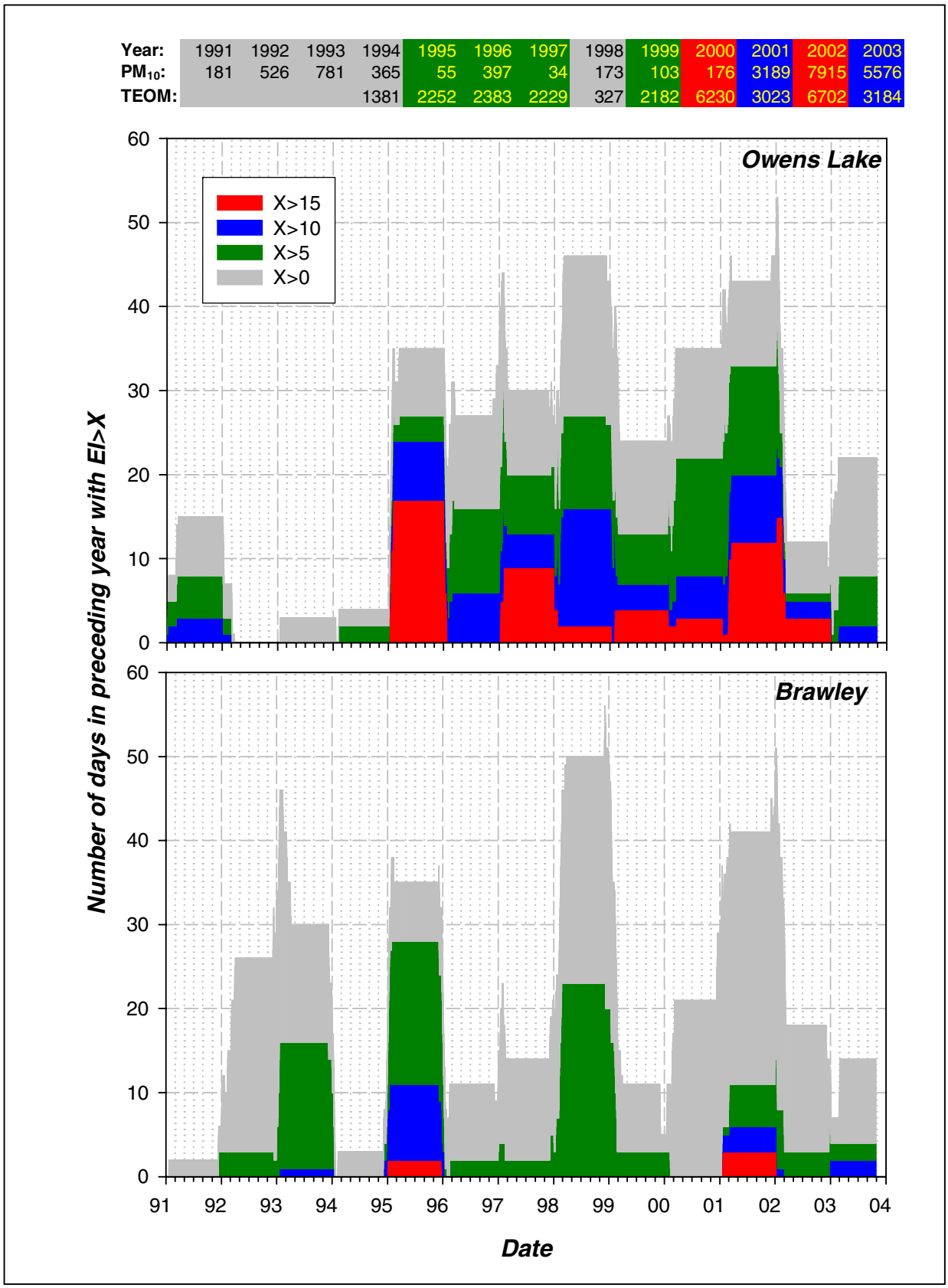


FIGURE 32

Frequency of High Erodibility Index at Salton Sea and Owens Lake;
Maximum PM_{10} Concentration Measured at Owens Lake

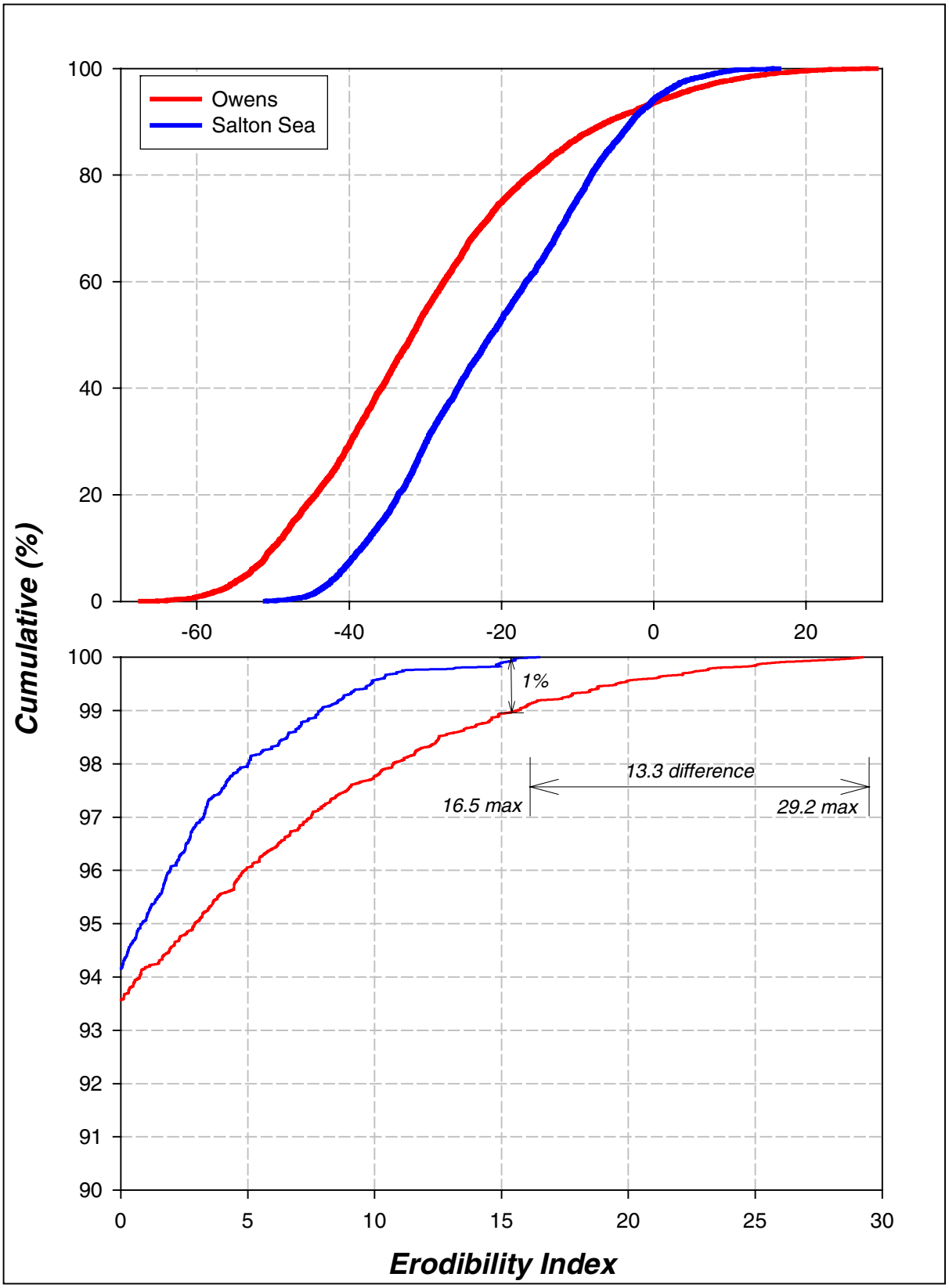


FIGURE 33
Distribution of Erodibility Indices for Owens Lake and Brawley, 1991 through 2003, Including only Days for which Data were Available for both Sites

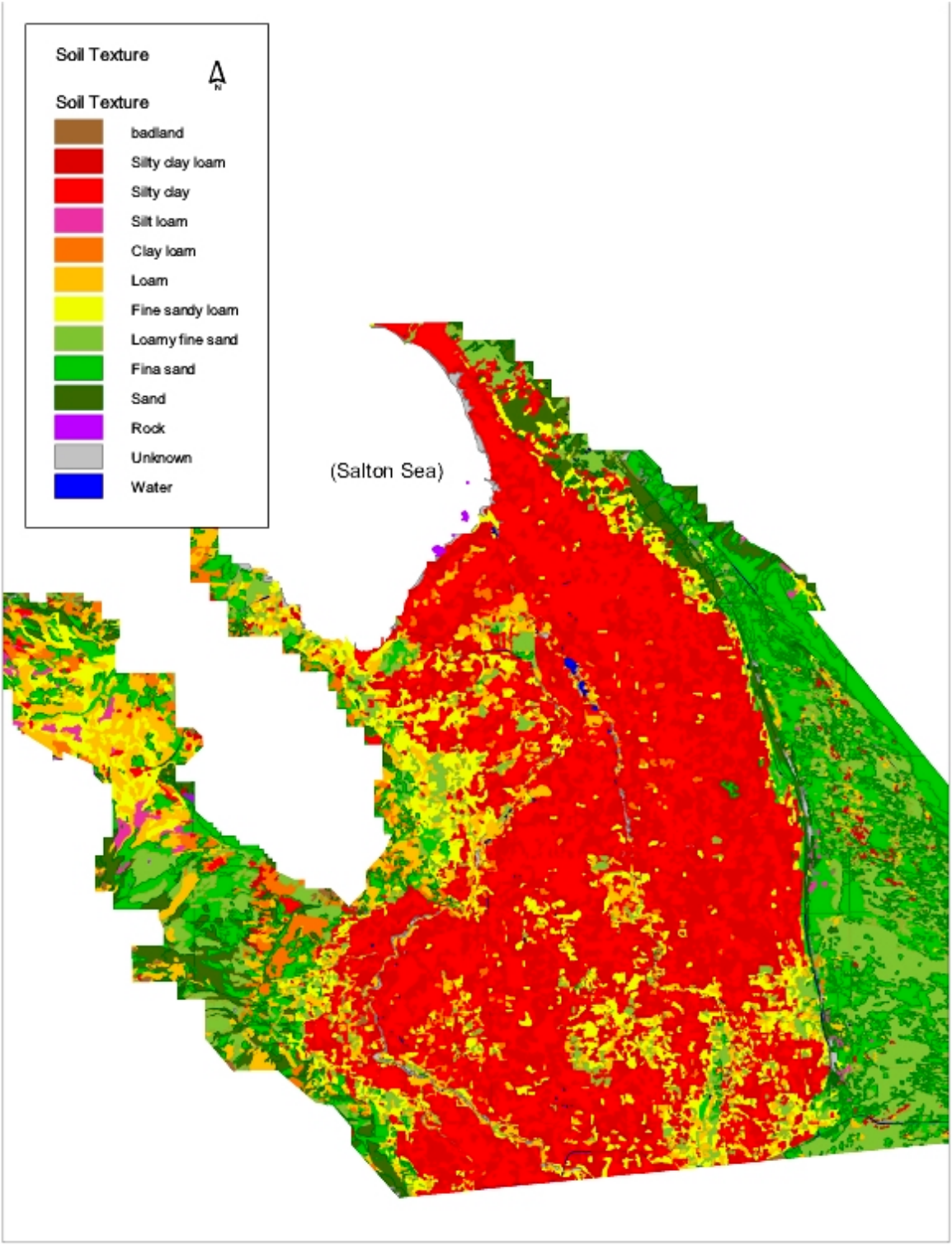


FIGURE 34
Soil Textural Map of Salton Sea Vicinity

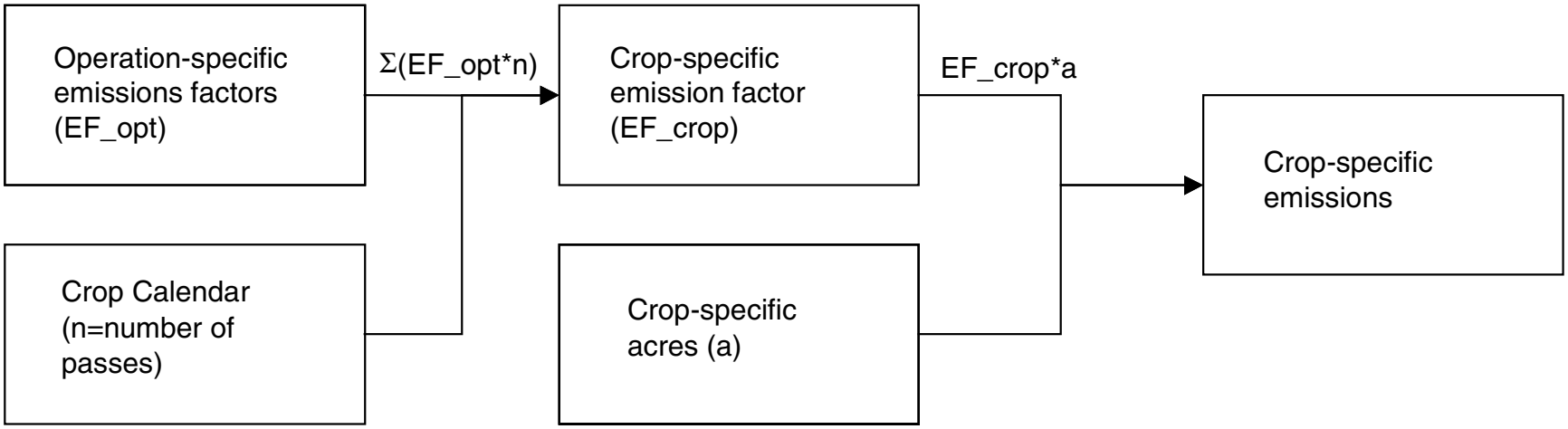


FIGURE 35
Schematic of Crop-Specific Emissions Factor Development Procedure.