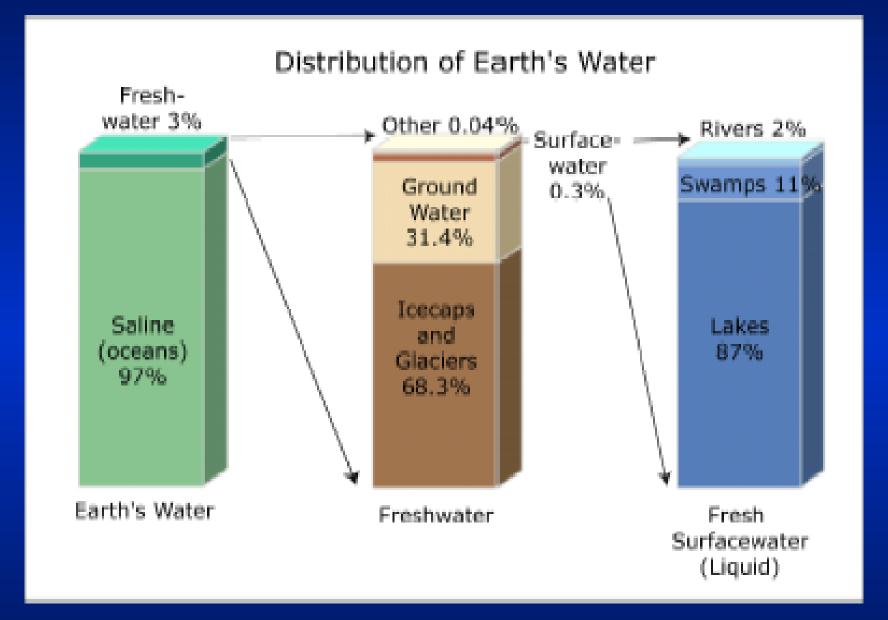
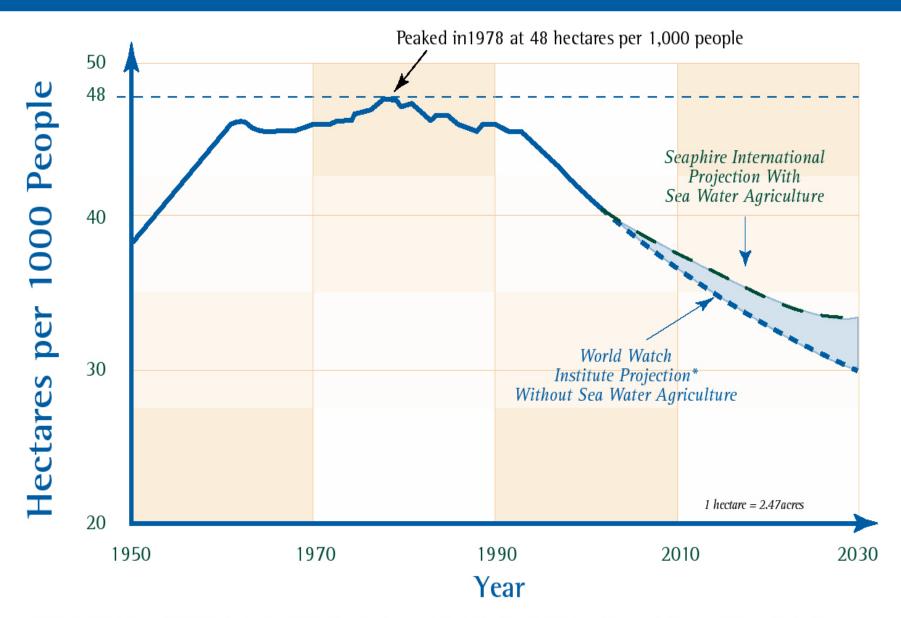


Where is Earth's water located and what form does it exist?



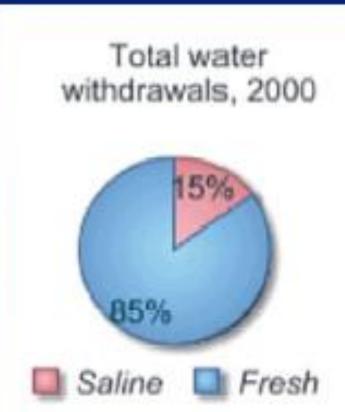


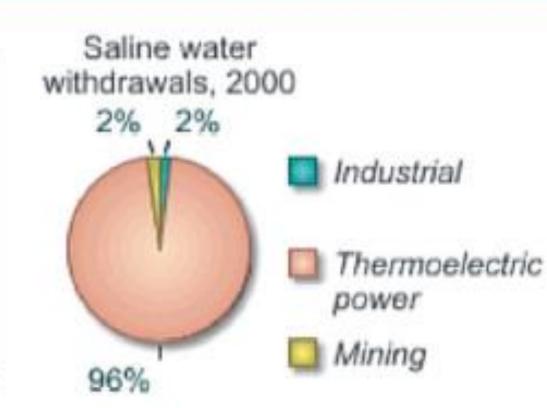
World Irrigated Area Per 1,000 People, 1950-95 with Projections to 2030



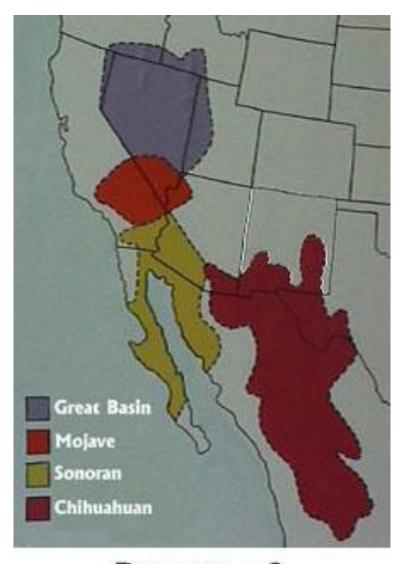
^{*} World Watch Paper 136, "The Agricultural Link: How Environmental Deterioration Could Disrupt Economic Progress," Brown, Lester R., (Worldwatch Institute, Washington DC, August 1997, page 30-31, figure 9)

Saline water use









Deserts of North America

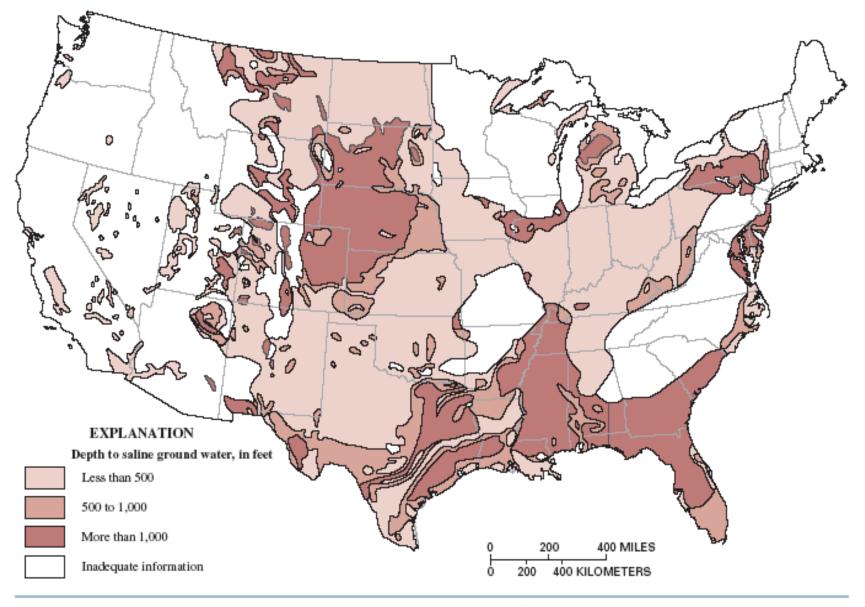


Figure 1. Depth to saline ground water in the United States (generalized from Feth and others, 1965)

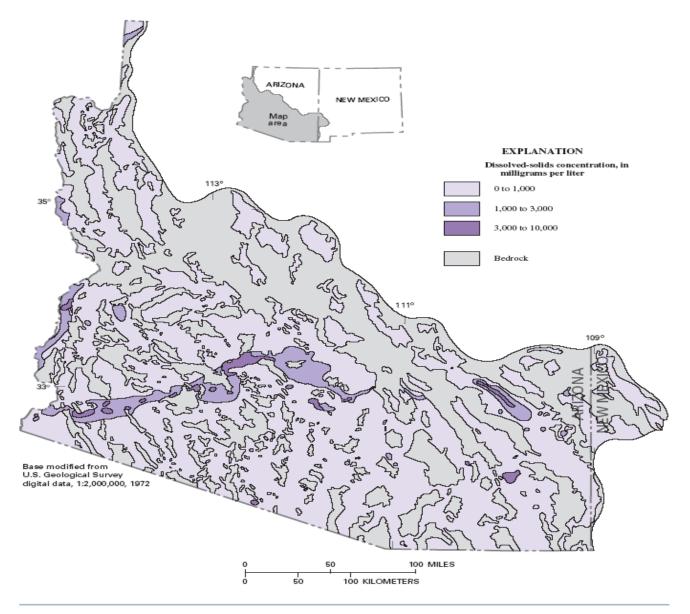
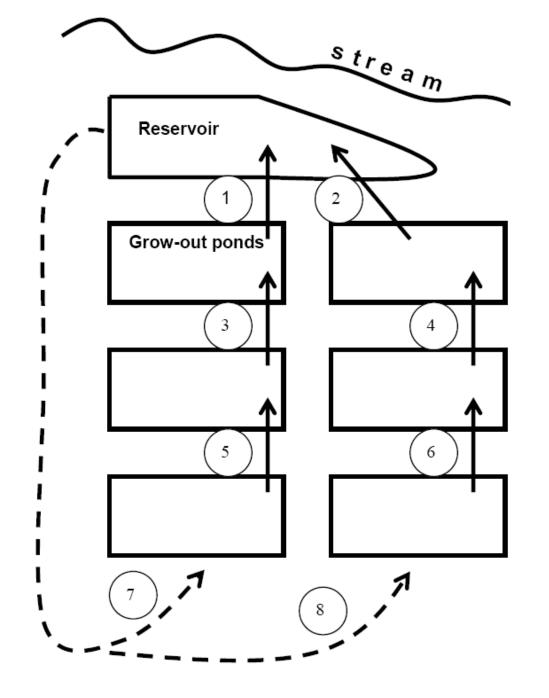


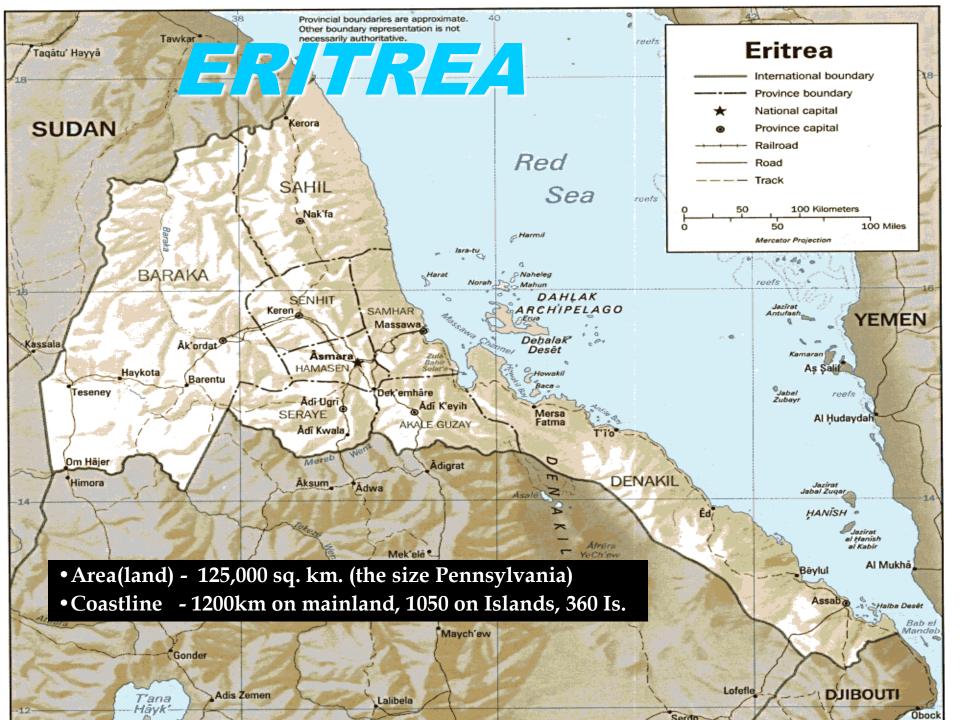
Figure 2. Dissolved-solids concentrations in basin-fill aquifers in Arizona and New Mexico are typically less than 1,000 mg/L, but can be much higher. Areas of higher concentrations include low parts of some basins where dissolved solids are concentrated by evapotranspiration from shallow ground water, basins with smaller fluxes of water naturally circulating through the ground-water system, near deposits of saline minerals, and in some areas of salt buildup from intensive irrigation. (modified from Kister, 1973; Robson and Banta, 1995)

Table 1. Typical analysis of saline ground water for use in culture of marine shrimp in inland ponds in Alabama.

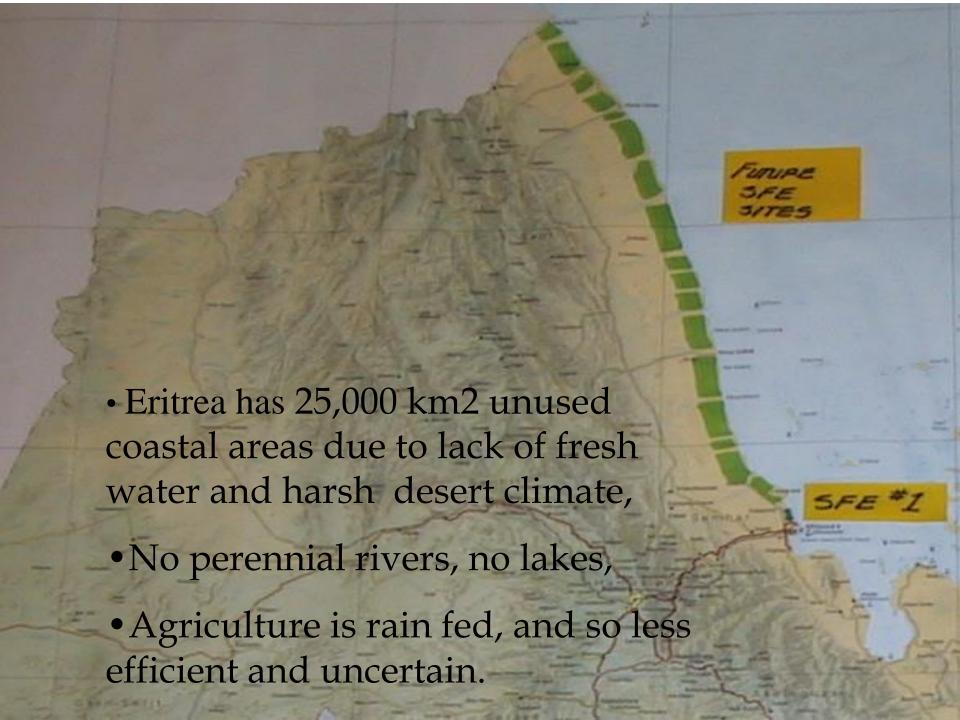
Salinity	3.88 ppt	Calcium	86 ppm
Bicarbonate	105 ppm	Magnesium	21 ppm
Chloride	2,274 ppm	Potassium	8 ppm
Sulfate	2 ppm	Sodium	1,393 ppm









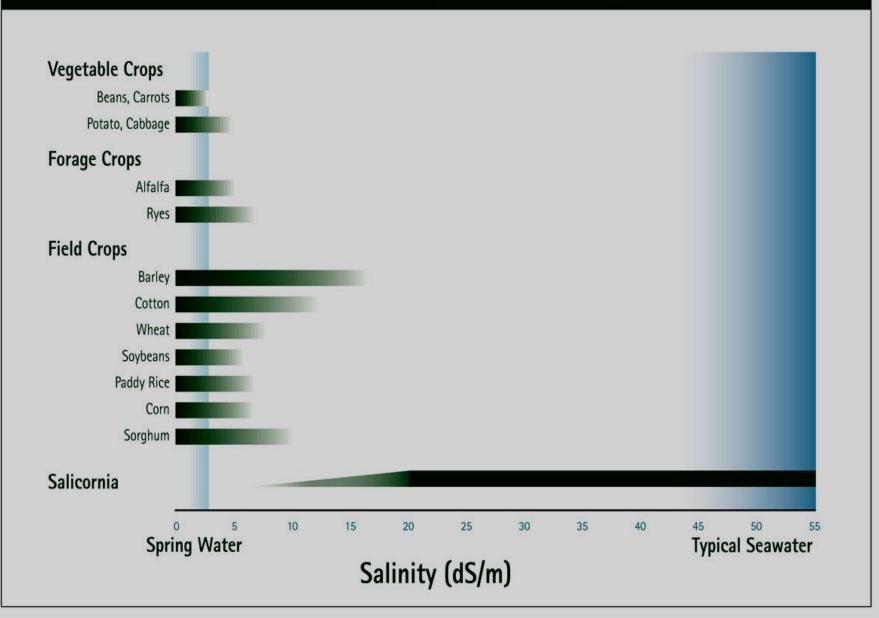


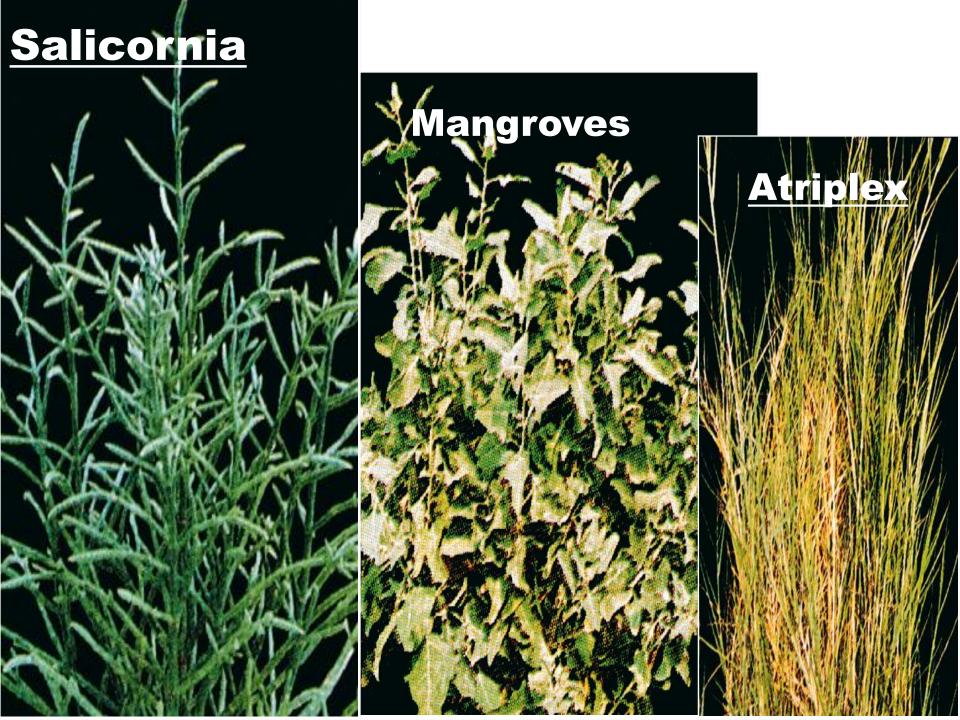






Salt Tolerance of Various Crops





ECONOMIC USES OF SALICORNIA

production of edible oil, food raw material for cosmetics forage, firewood fiberboard for construction pulp for paper industry



Oil extracted from Salicornia



Products of Salicornia seeds





