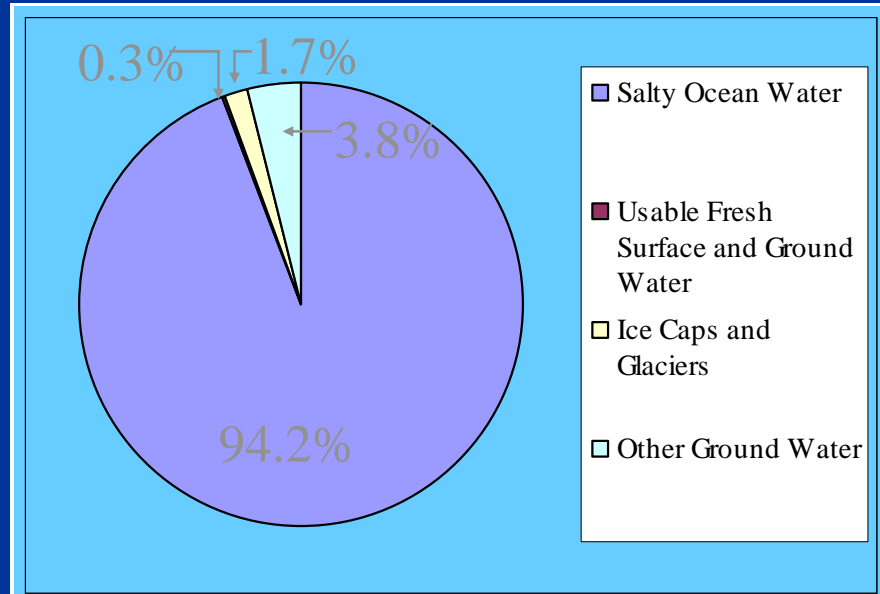


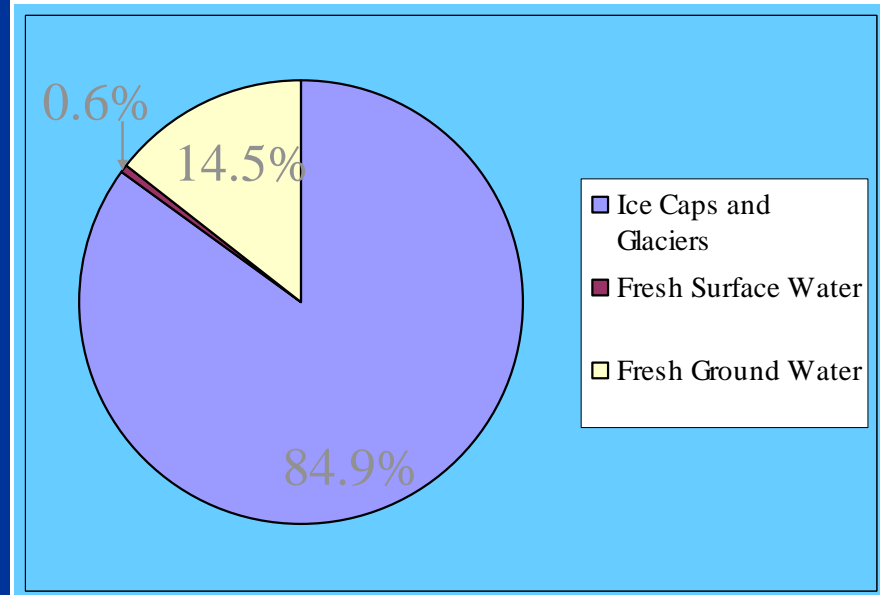


Water Availability and Use in the West

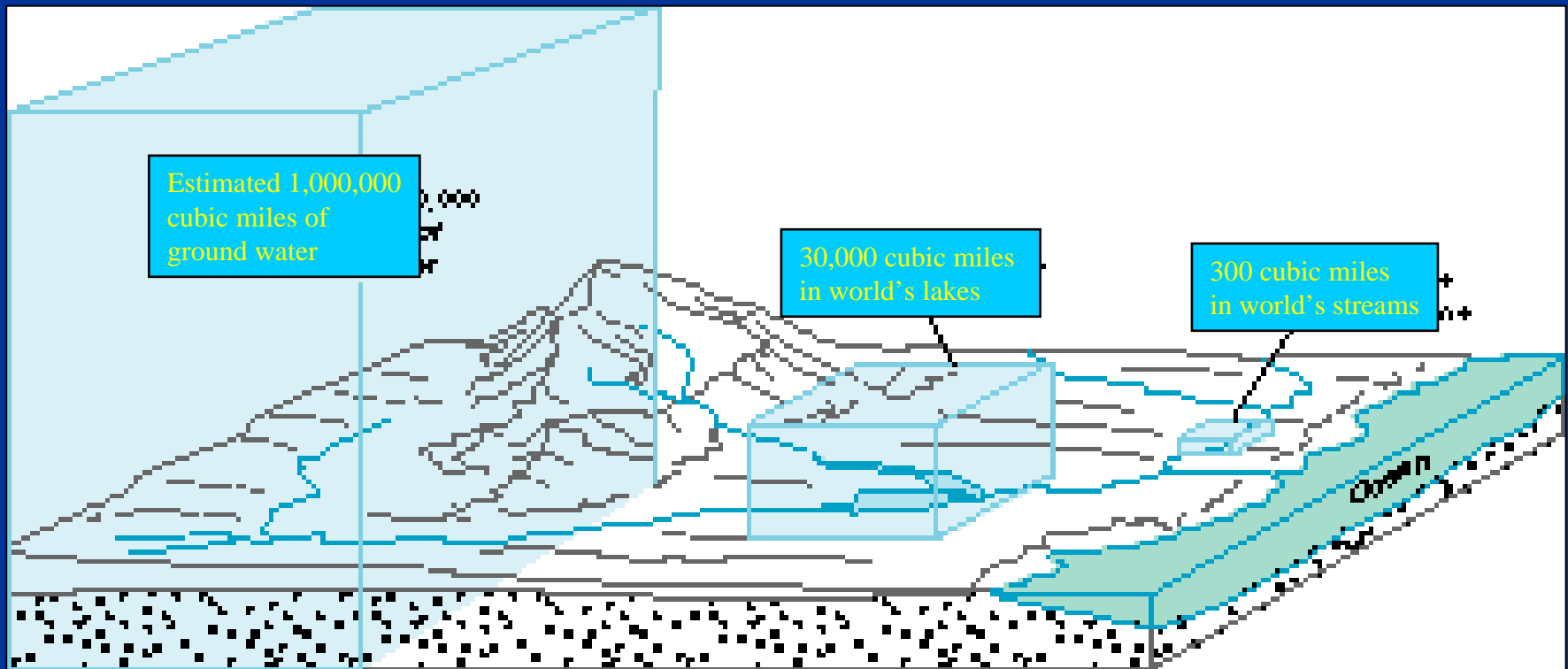
Total Water on the Planet



Total Fresh Water on the Planet



Distribution of the Earth's Fresh Water



Water withdrawals by category

Livestock



Less than 1 percent

Domestic



Less than 1 percent

Public Supply

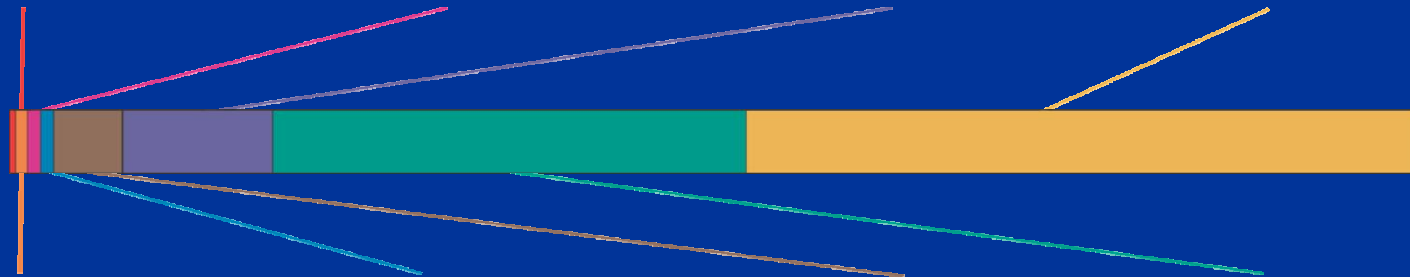


11 percent

Thermoelectric power



48 percent



Less than 1 percent



Mining

Less than 1 percent



Aquaculture

5 percent



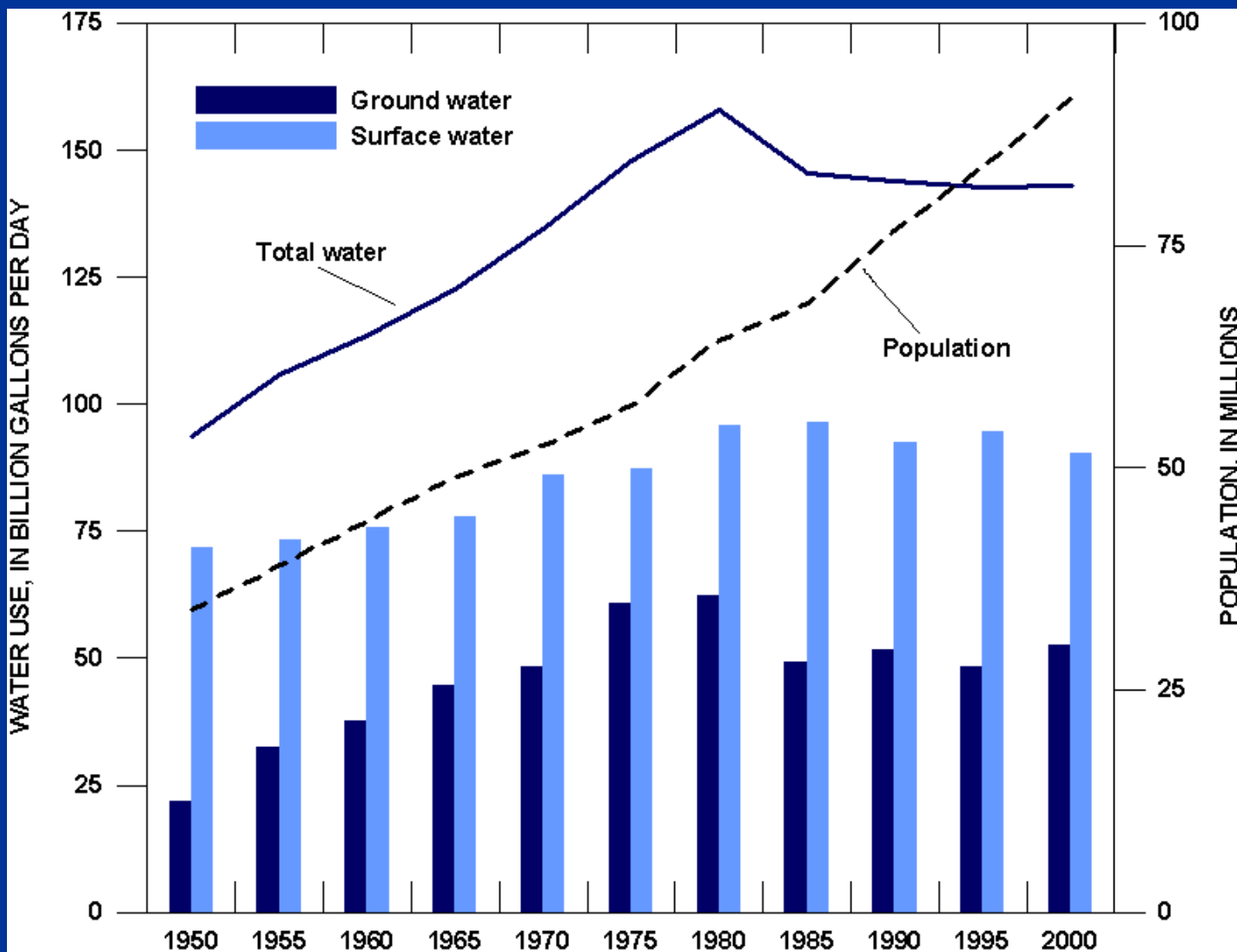
Industrial

34 percent



Irrigation

Water use and population in the West



Changes over the last 30 Years

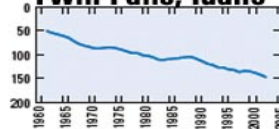
- Leveling off of water use
- Increased impacts of ground water use
- Increased importance of instream flow (ecosystem services)
- Recognition of the role of climate change
- Changes in technology (irrigation methods, water reuse)

Change In Storage

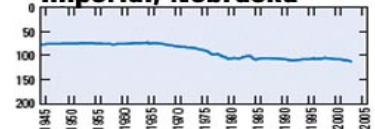
Colorado Springs, Colorado



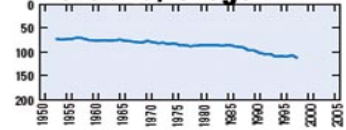
Twin Falls, Idaho



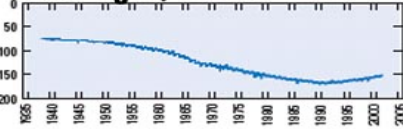
Imperial, Nebraska



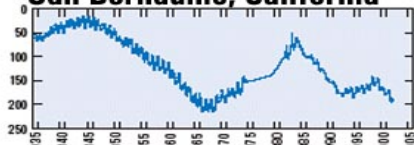
Portland, Oregon



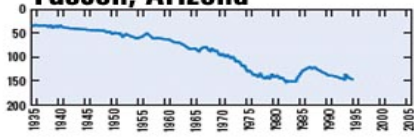
Las Vegas, Nevada



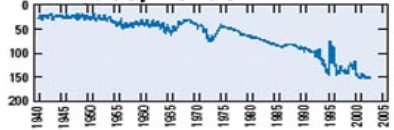
San Bernadino, California



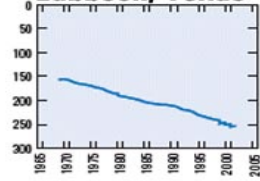
Tuscon, Arizona



El Paso, Texas

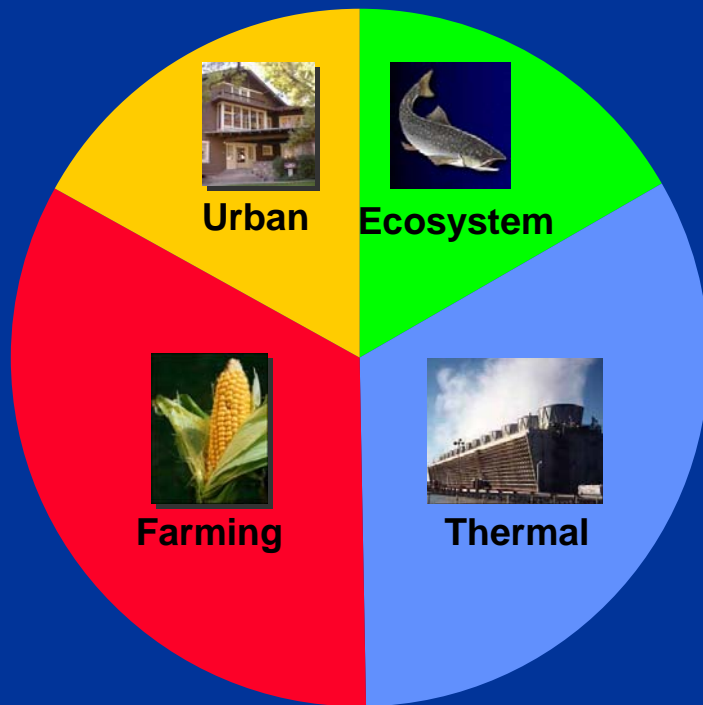


Lubbock, Texas



NOTE: All locations depict depth to water, in feet below land surface

The “pie” might be shrinking because ground water in storage is being depleted



Depletion impacts:

- Wells
- Streamflow
- Riparian vegetation
- Subsidence
- Water quality
- Future generations

Lake or wetland impacts

An example from a Florida lake: before and after ground-water development

