



U.S. Drought Monitor



Integrates Key Drought Indicators:

- Palmer Drought Index
- SPI
- KBDI
- Modeled Soil Moisture
- 7-Day Avg. Streamflow
- Precipitation Anomalies

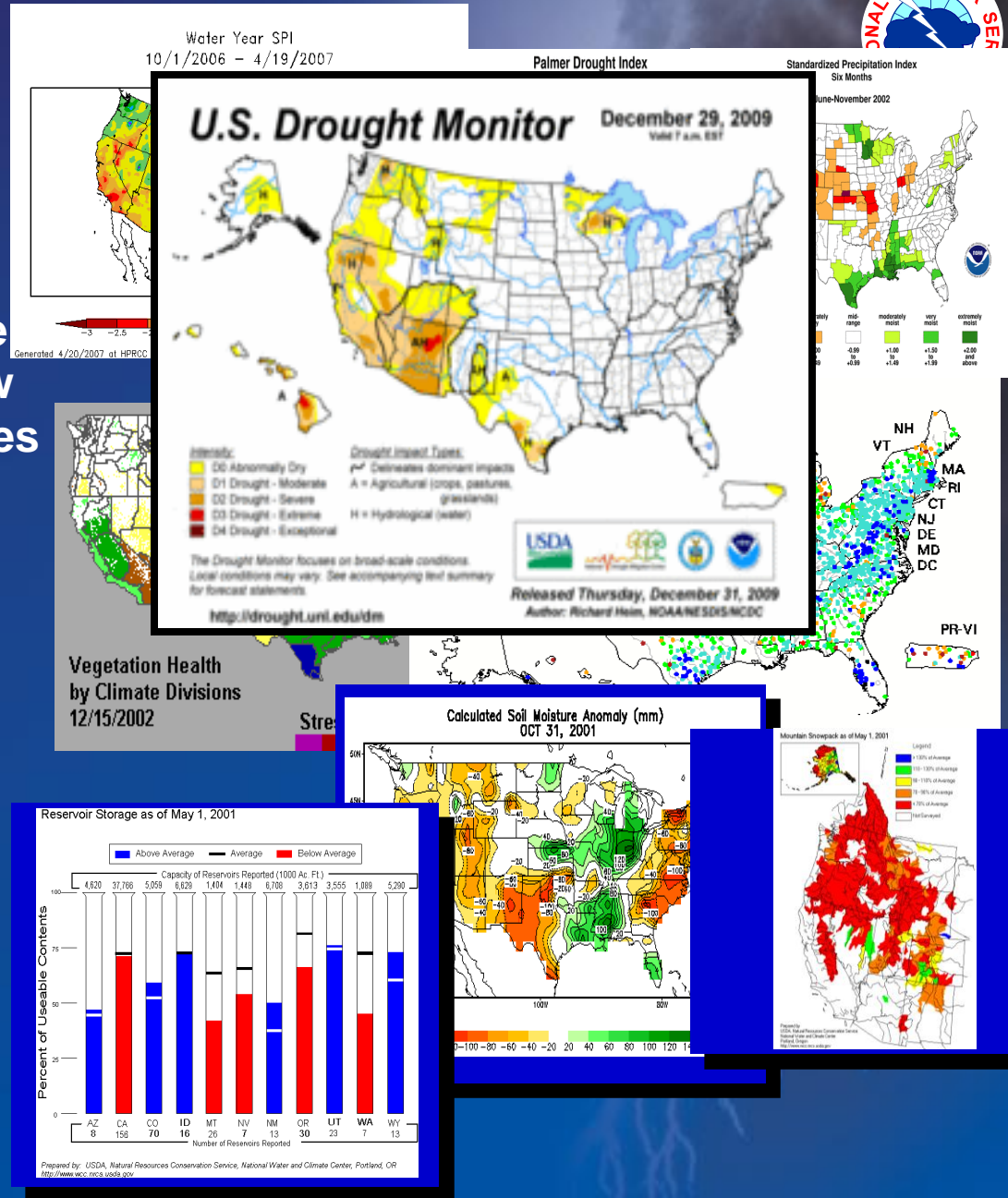
Growing Season:

- Crop Moisture Index
- Sat. Veg. Health Index
- Soil Moisture
- Mesonet data

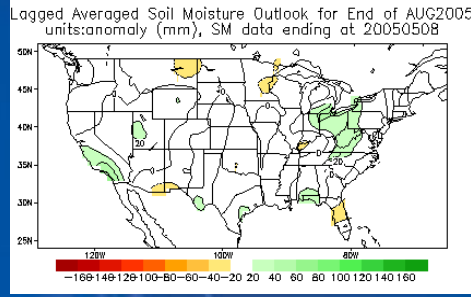
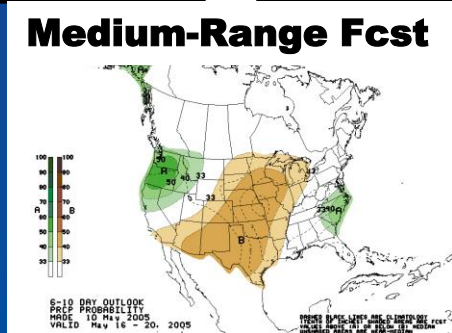
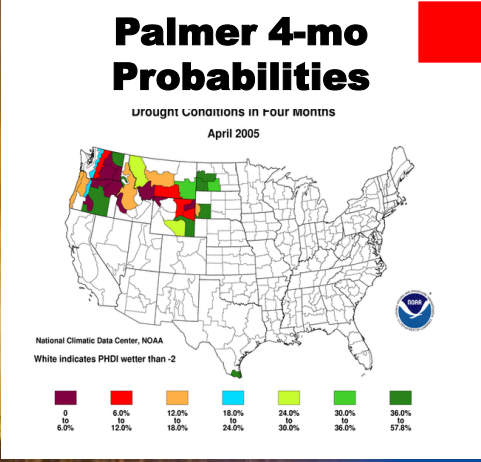
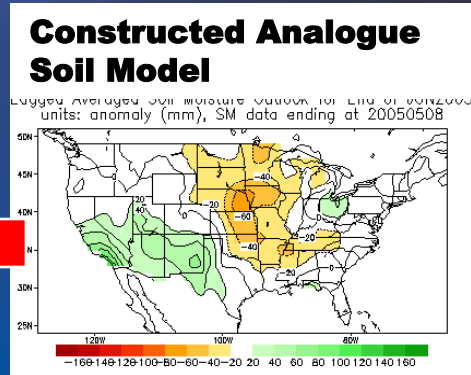
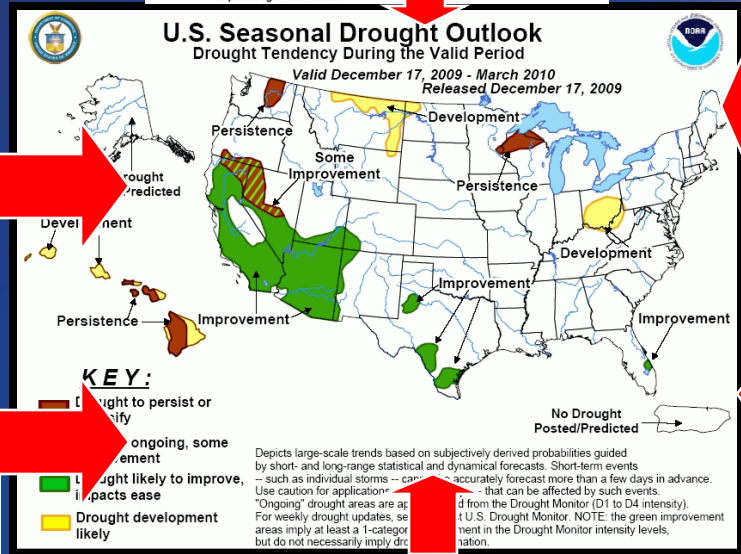
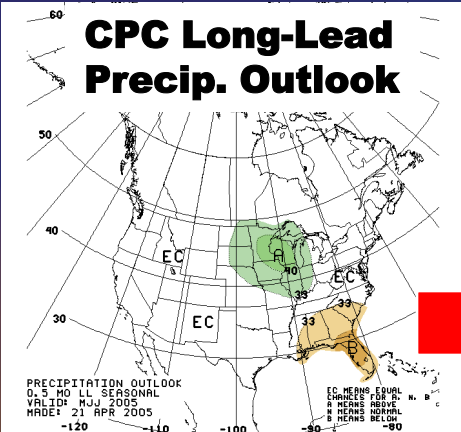
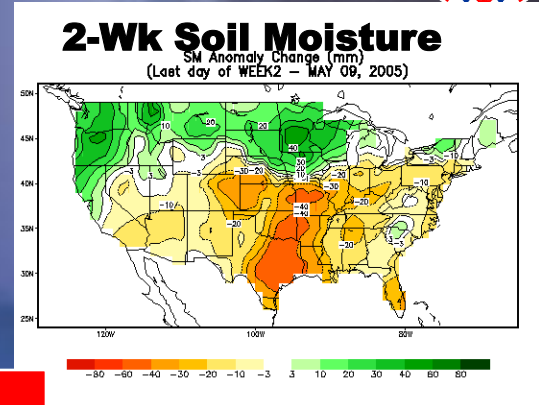
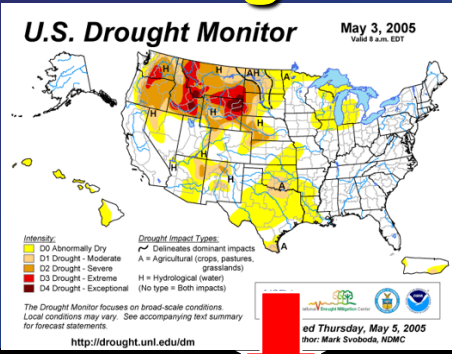
In The West:

- SWSI
- Reservoir levels
- Snowpack
- Streamflow

Created in ArcGIS



U.S. Seasonal Drought Outlook: Integrates Short and Long-term Forecasts





Goal: Suite of Probabilistic Seasonal Drought Forecasts



Total Column 2-m Soil Moisture

Probability of Drought



Change in soil moisture percentiles

Change Map



Total Drought

Top 40 cm or root zone soil moisture

Probability of Ag. Drought



Change in soil moisture percentiles

Change Map



Agricultural (Short-term) Drought

Probability of Runoff or Streamflows

Probability of Hydro Drought



Change in runoff or streamflow percentiles

Change Map



Hydro (Long-term) Drought