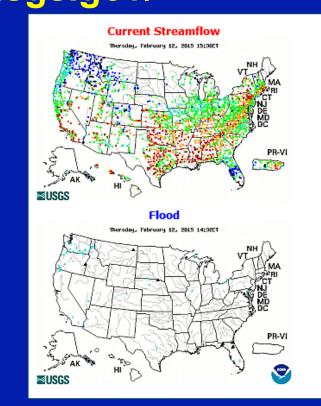
### Selected USGS Drought Activities

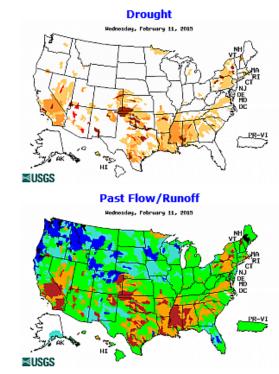
- Data Systems
  - NWIS Web real time SW, GW, WQ monitoring data
    - http://waterdata.usgs.gov/nwis
  - WaterWatch & Water Alert
  - Groundwater Watch
  - Open Water Data demonstration
- Interpretive Products/Tools
  - Drought synthesis
  - Drought probability
  - Coastal Drought Index
  - GW/SW Interaction
  - Remote sensing drought index VegDRI

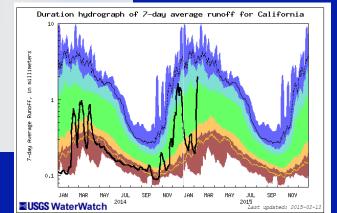


# Water Watch – percentiles to "normal" http://waterwatch.usgs.gov/









- Animations
- Duration hydrograph builder
- Streamgage statistics
- WaterAlert http://water.usgs.gov/ wateralert/



Toelkit

Toolkit (internal)

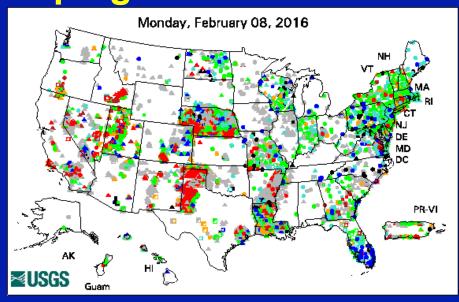
Annual Summaries

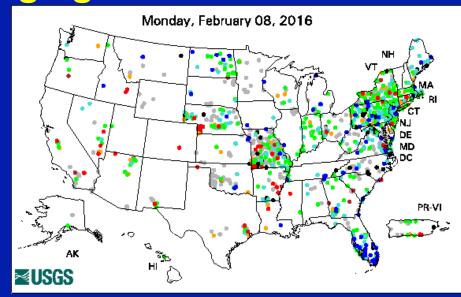
About WaterWatch

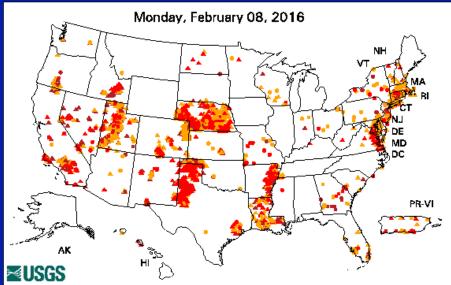
Additional Information

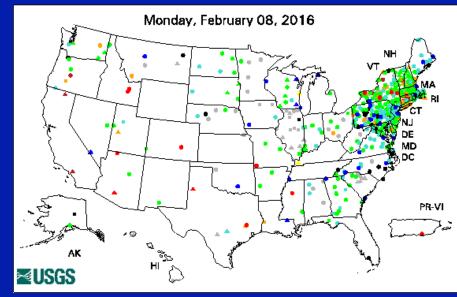
## Groundwater Watch - percentiles to "normal"

http://groundwaterwatch.usgs.gov/

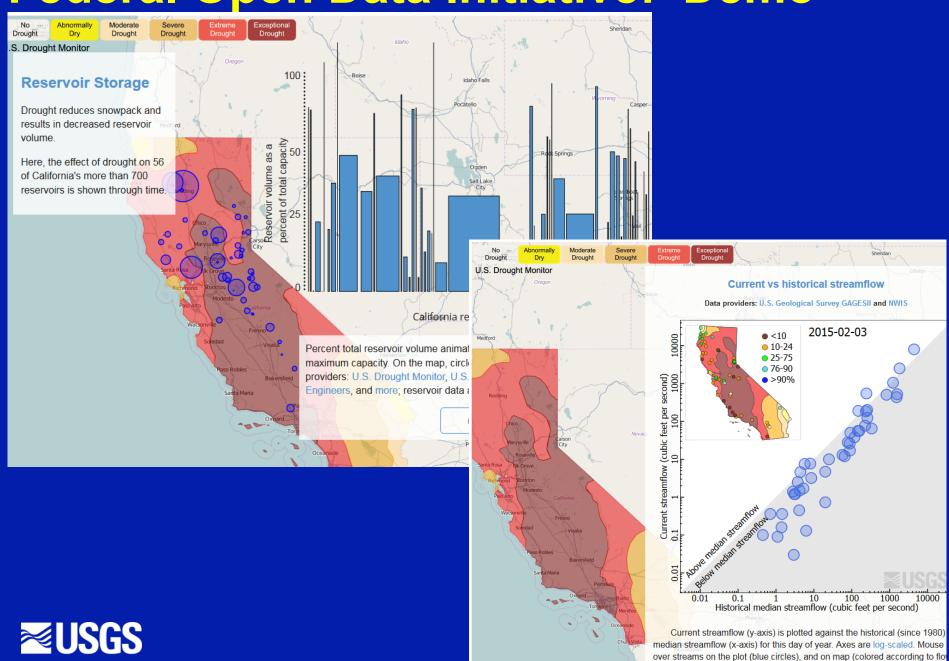








## Federal Open Data Initiative: Demo



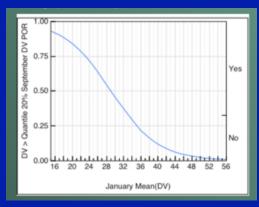
#### **Interpretive Products/Tools**

Drought Synthesis: U.S. Hydrological Drought

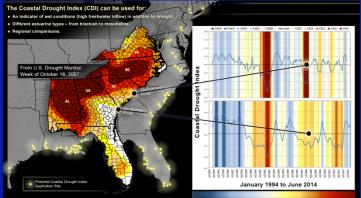
Variability and trends



Drought Probability
Maximum likelihood logistic regression



Coastal Drought Index





#### Interpretive Products/Tools

• GSFLOW: Improving low-flow forecasting (PRMS and MDOFLOW)

Groundwater Toolbox:
HYSEP, Baseflow Index, others



 Remote Sensing Drought Index: VegDRI

