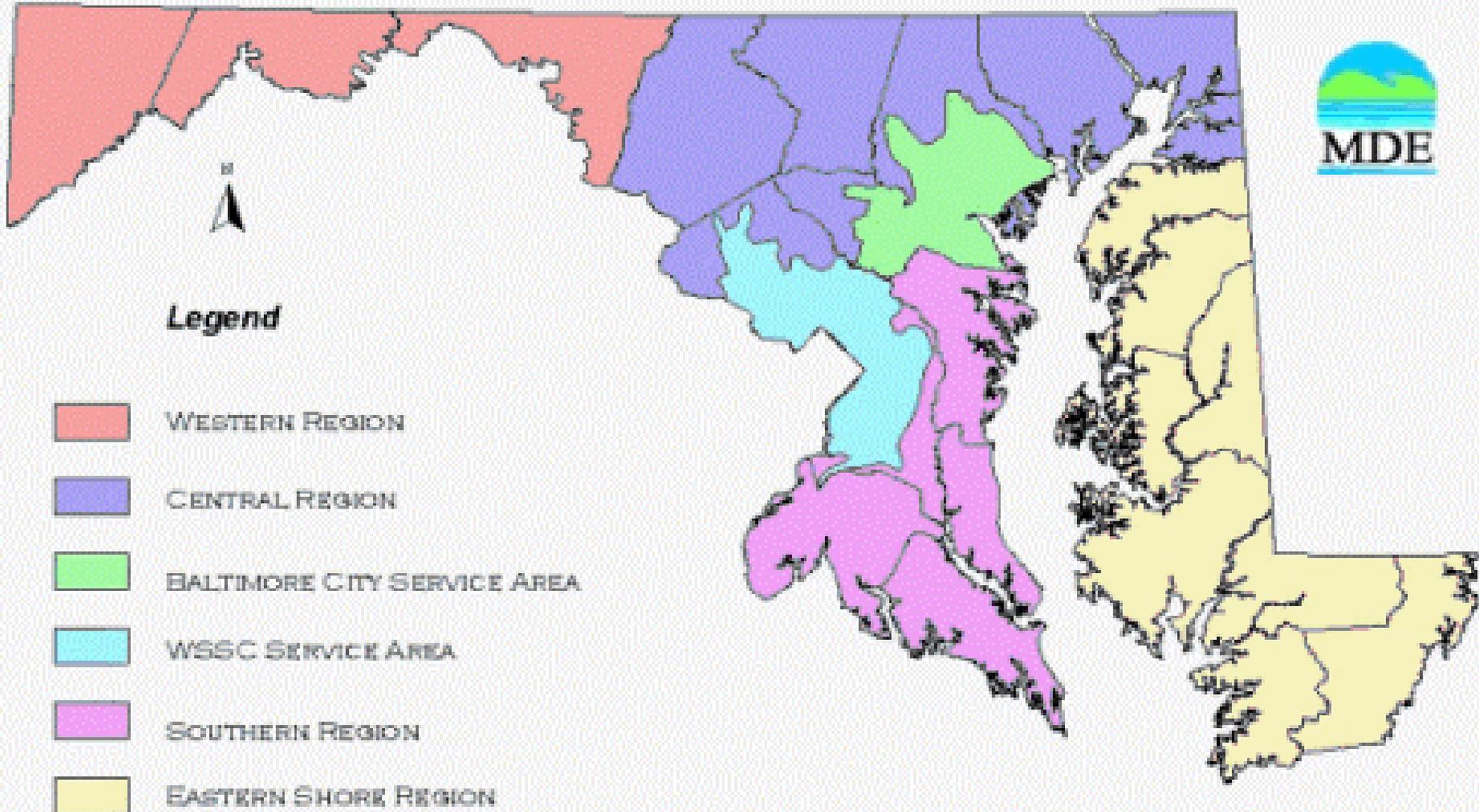


Drought and Water Conservation in Maryland

October 30, 2002



Maryland's Regions for Drought Monitoring



Hydrologic Indicators

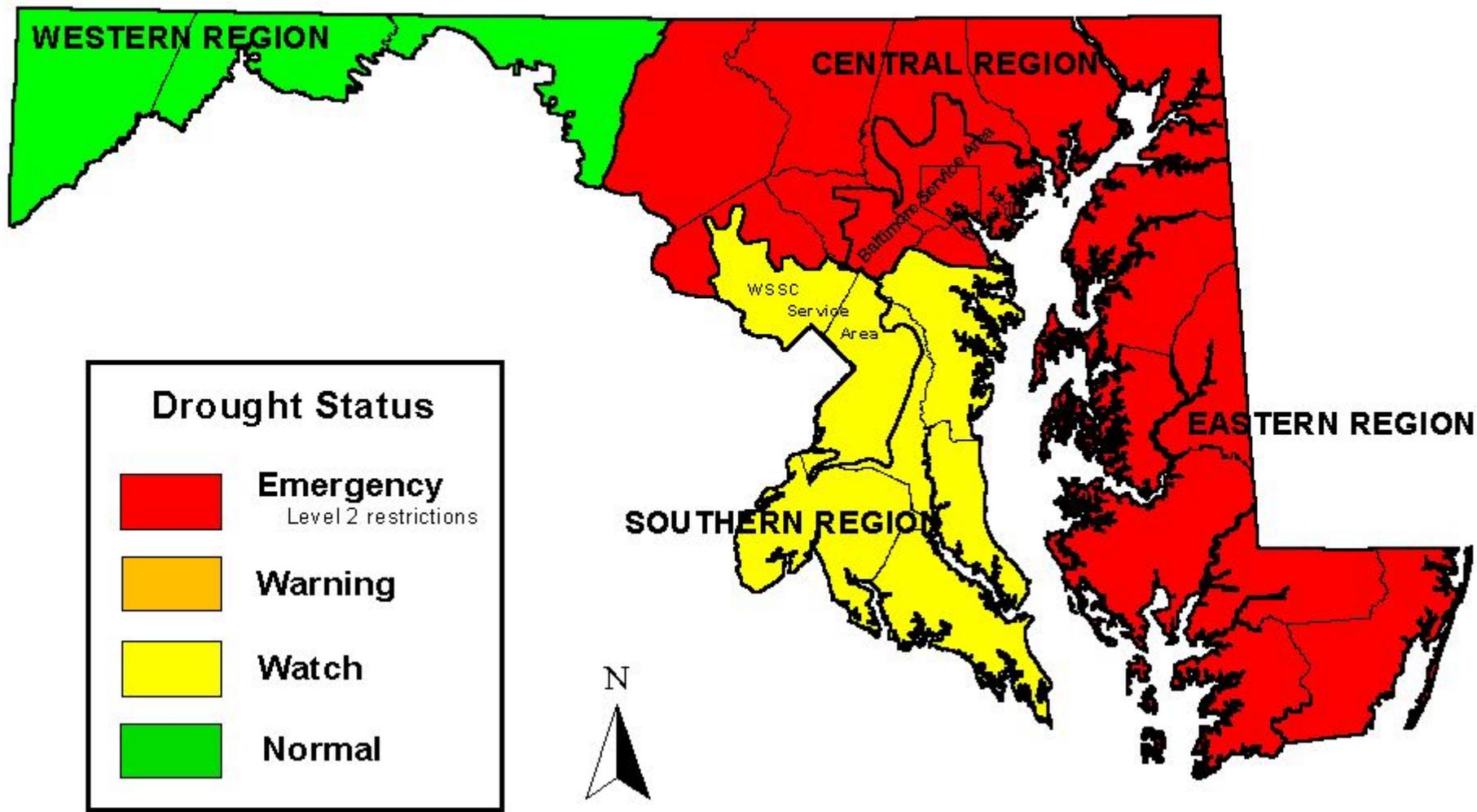
- Precipitation
- Stream Flow
- Ground Water Levels
- Reservoirs

Other Indicators

- Water Supply Conditions
- Time of Year
- Temperature
- Soil Conditions

Drought Status in Maryland

As of September 30, 2002



Overall Drought Status Oct 22, 2002

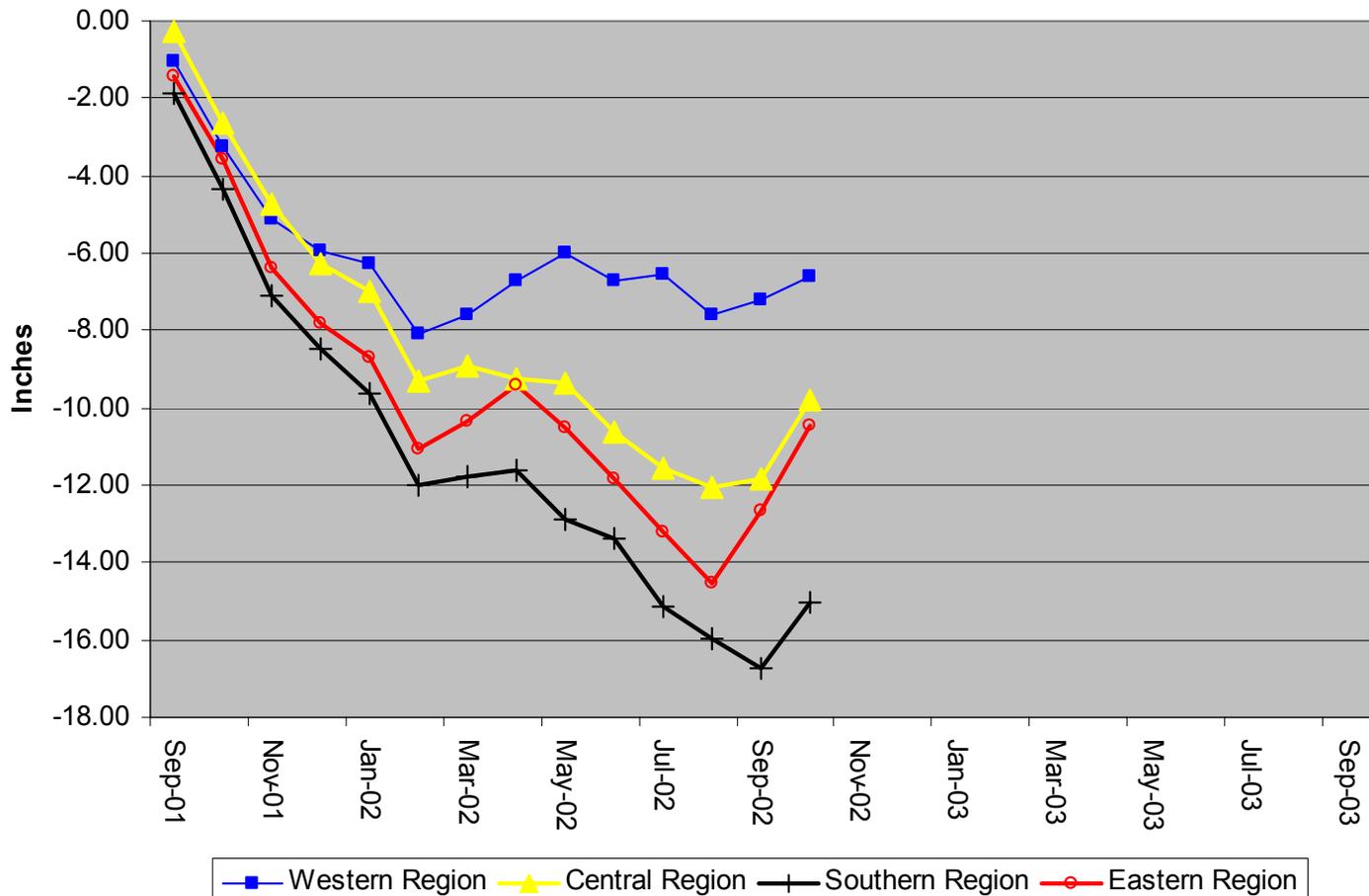
Overall Hydrologic Status for Maryland

Summary of Hydrologic Indicators for October 22, 2002

Region	Rainfall	Stream Flow	Groundwater	Reservoirs	Overall Status
Western	Normal	Normal	Normal	Normal (9/30)	Normal (9/30)
Central	Watch	Normal	Emergency	Watch (9/30)	Emergency [1]
Eastern	Watch	Normal	Normal	N/A	Emergency [1]
Southern	Warning	N/A	Watch (9/30)	N/A	Watch (9/30)

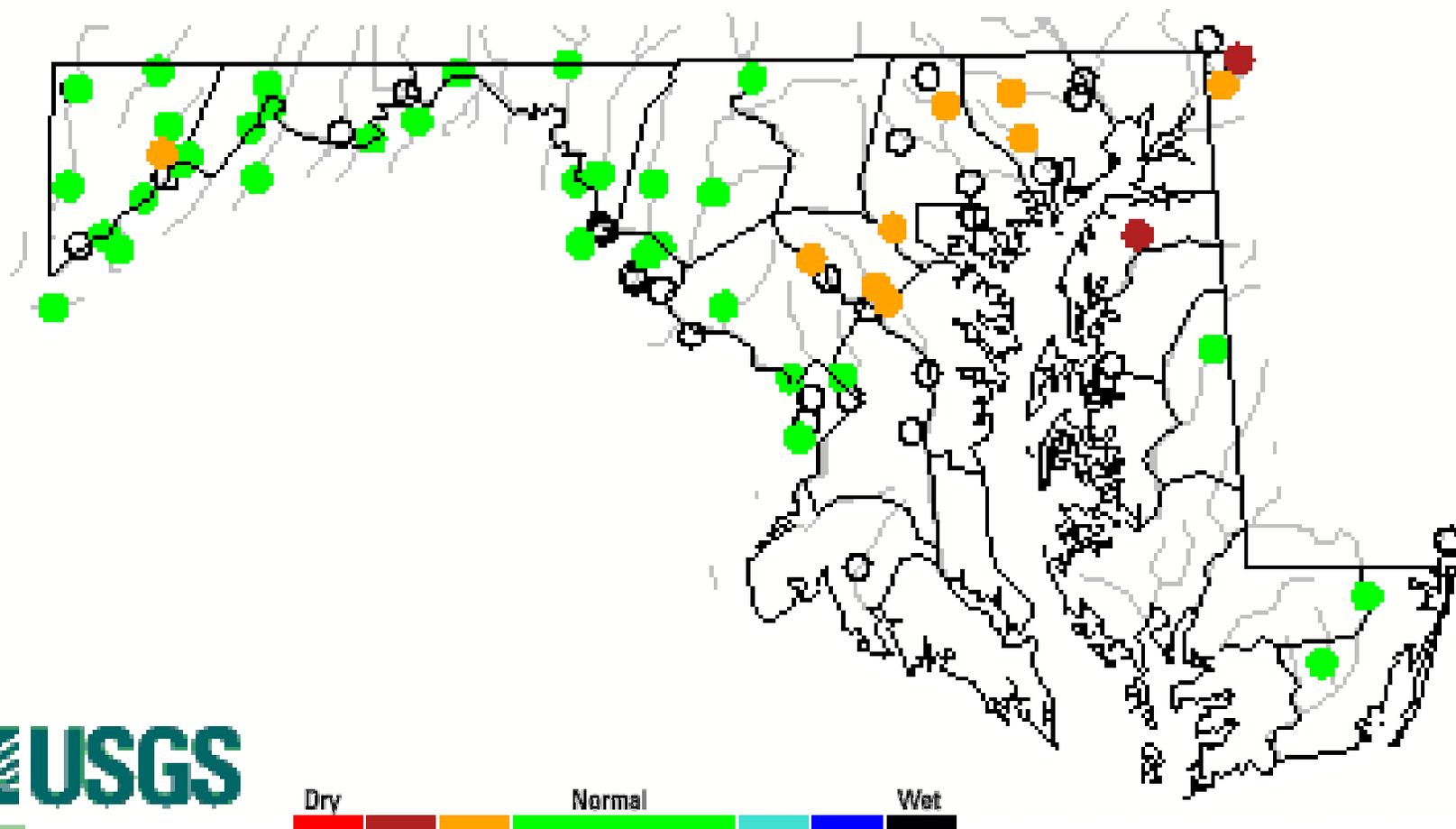
Precipitation

Cumulative Precipitation - Departure From Normal Since September, 2001

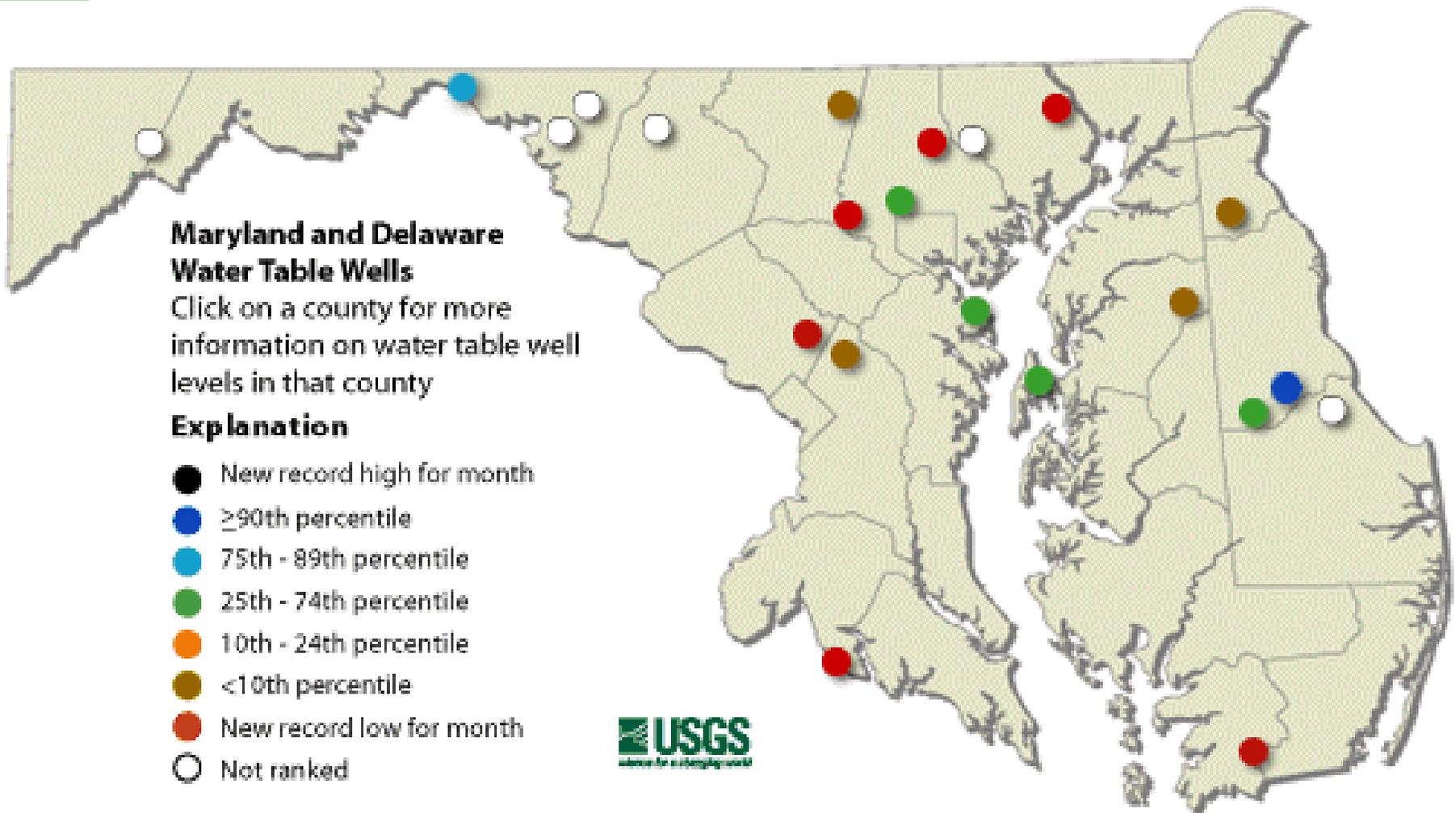


Stream Flow

Thu., Oct. 24, 2002 09:39ET



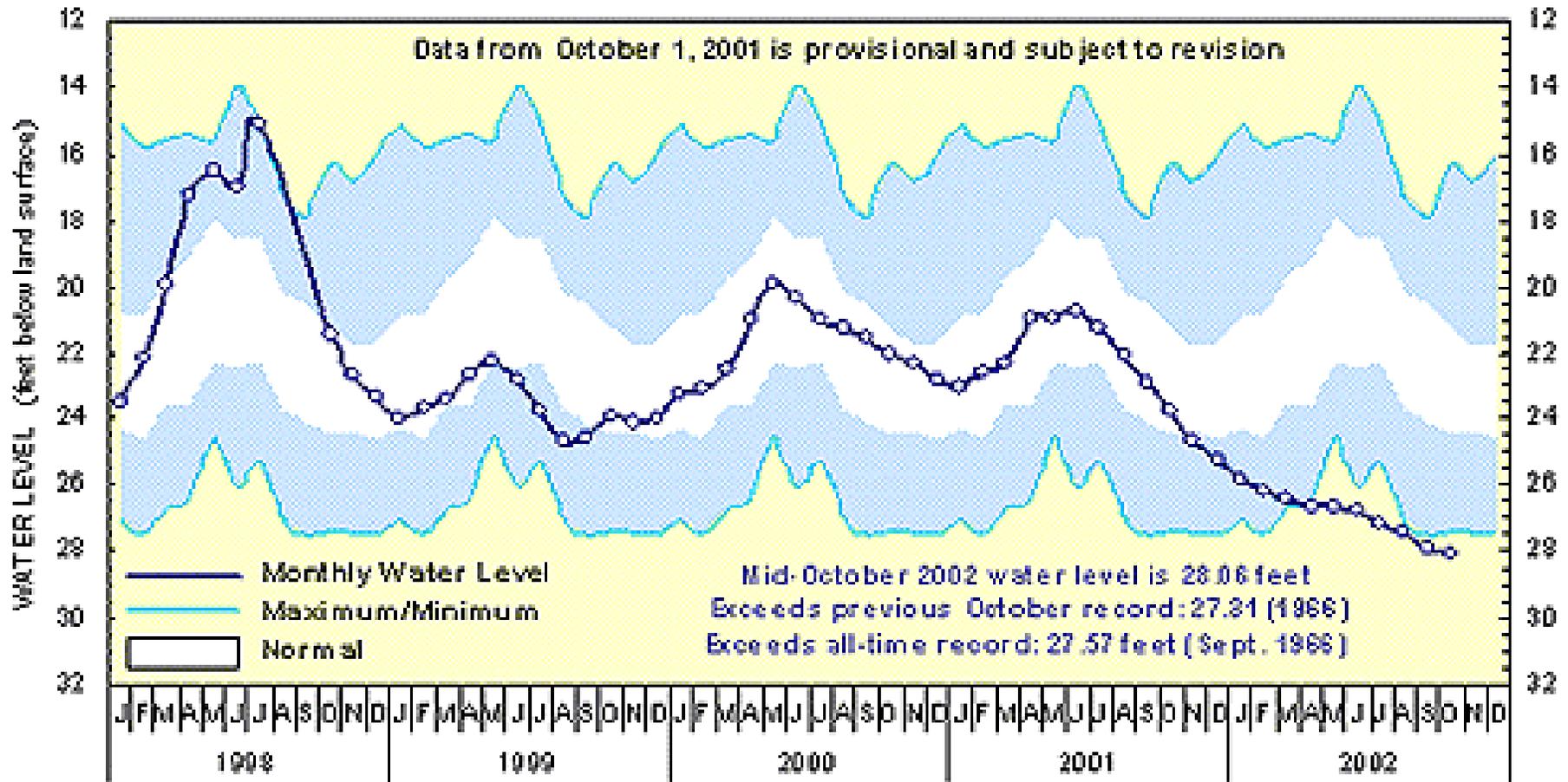
Ground Water



Aquifer: Woodstock Granite
 Location: Granite, Baltimore County, MD
 Topographic setting: Hillside
 Length of record: November 1958-present

BA Ea 18

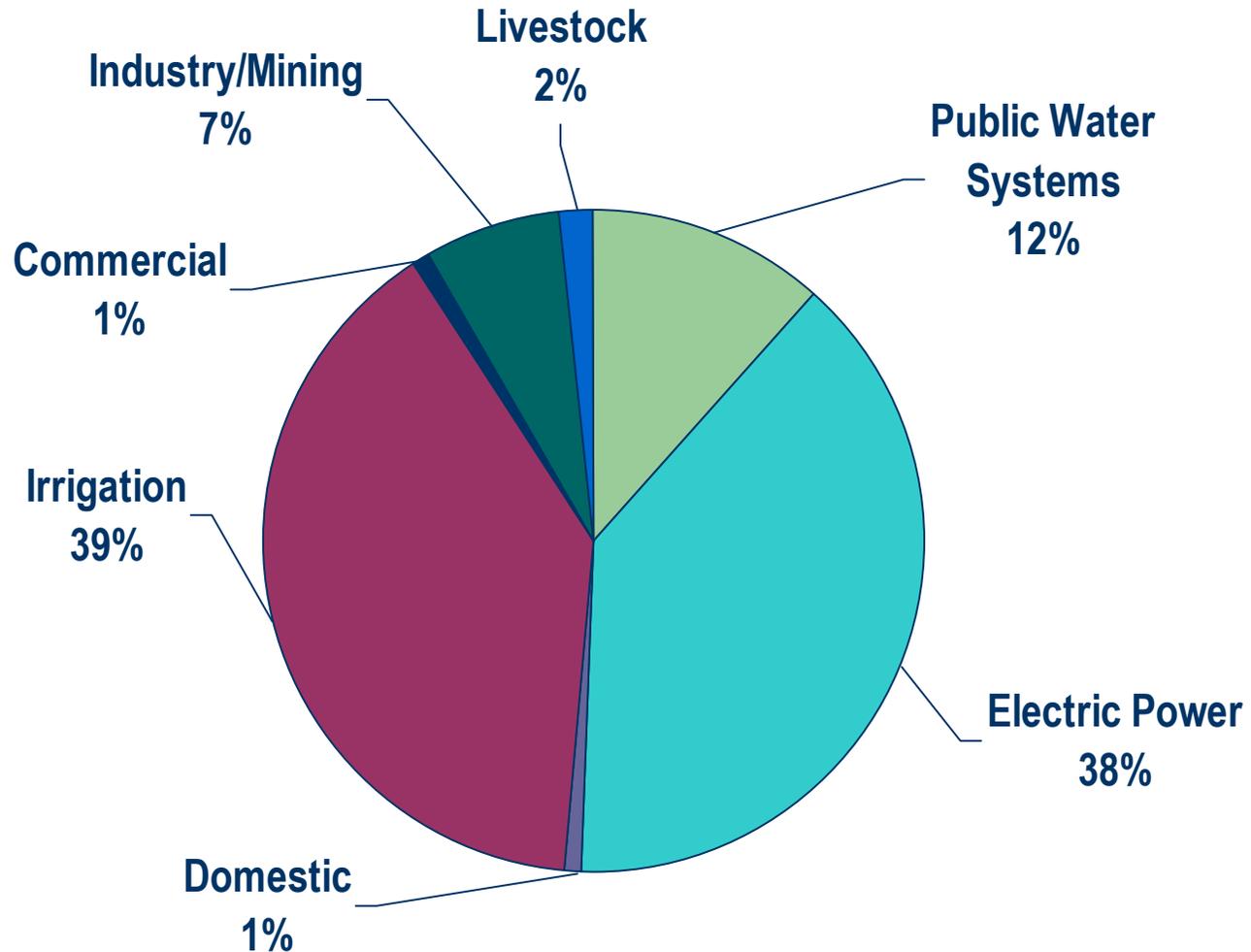
Water-table well



5-YEAR HYDROGRAPH
JANUARY 1998 THROUGH DECEMBER 2002



Water Use by Category in the U.S.



Why Conserve?

- **More resilient during times of drought**
- Increasing growth and development burdening resources
- Reduce or eliminate need for building new infrastructure
 - Water AND Wastewater
- Reduce maintenance on water and wastewater treatment plants
- **Saves \$\$ on water & power bills, operating costs**
- Easy and Inexpensive

Maryland's Water Conservation Program

- State Facilities
- Water Utilities
- Public Education and Outreach

Conduct a Water Audit

- How much water is being used?
- Where is it being used?
- Look for leaks
- Evaluate fixtures and appliances
- Evaluate processes/landscape needs
- Look for ways to reduce
- Calculate potential costs/benefits/payback time

Where to save

- Cooling Systems
 - Savings in water, chemical costs
- Heating Systems
- Process Water
- Commercial Kitchens
 - Savings in water, energy costs
- Laundries
- Leaks

Drought status and applicable water restriction information

www.mde.state.md/water/drought

1-877-4-DROUGHT (1-877-437-6844)

A cartoon illustration of three green frogs with white bellies sitting on a green lily pad. The lily pad is in a blue pond with black wavy lines representing water. Each frog has a speech bubble above it. The frog on the left has a speech bubble with the word 'SAVE' in all caps. The frog in the middle has a speech bubble with 'Waa..' in a simple font. The frog on the right has a speech bubble with 'terr' in a cursive font.

SAVE

Waa..

terr