

Drought Conditions Update

NYSDEC

Division of Water

October 27, 2016

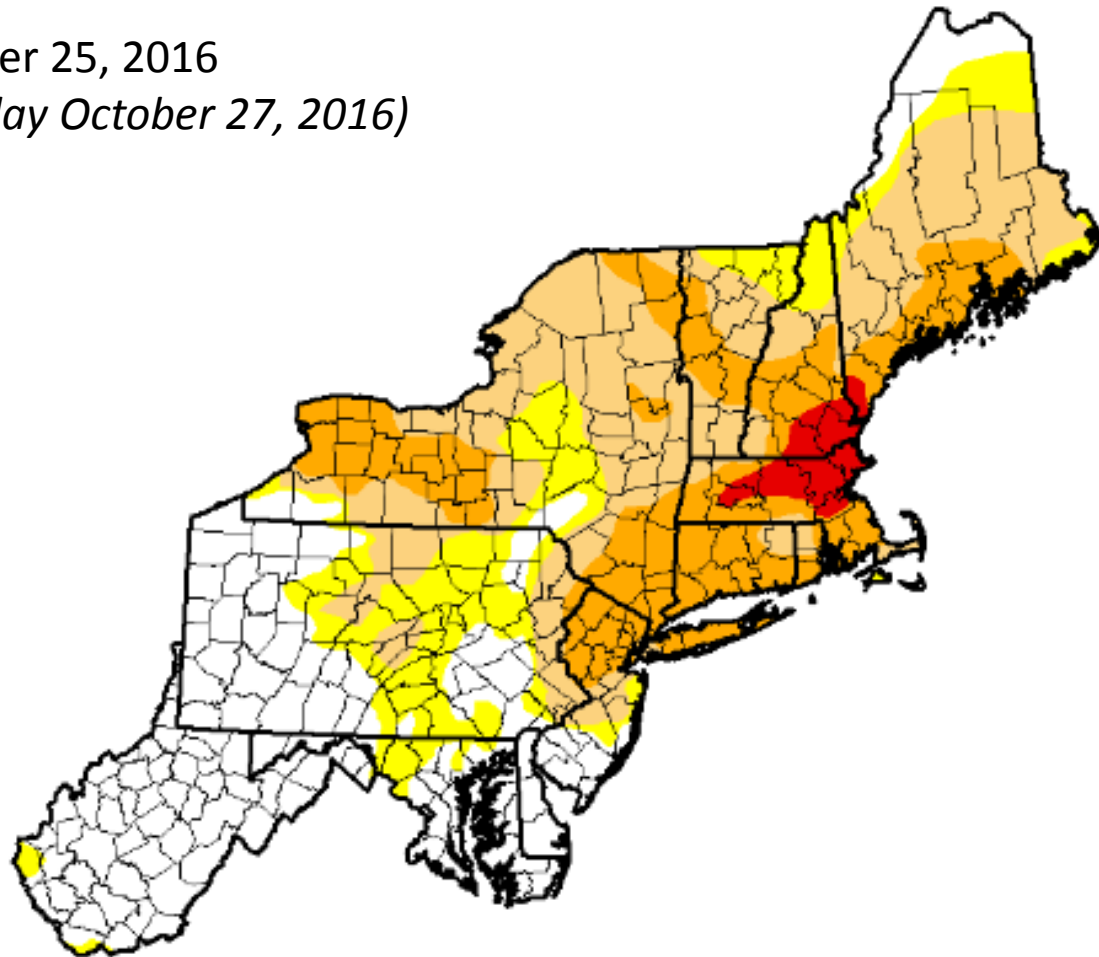
*Presented to an advisory committee of the DRBC.
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Water Management Advisory Committee.*

U.S. Drought Monitor

Northeast



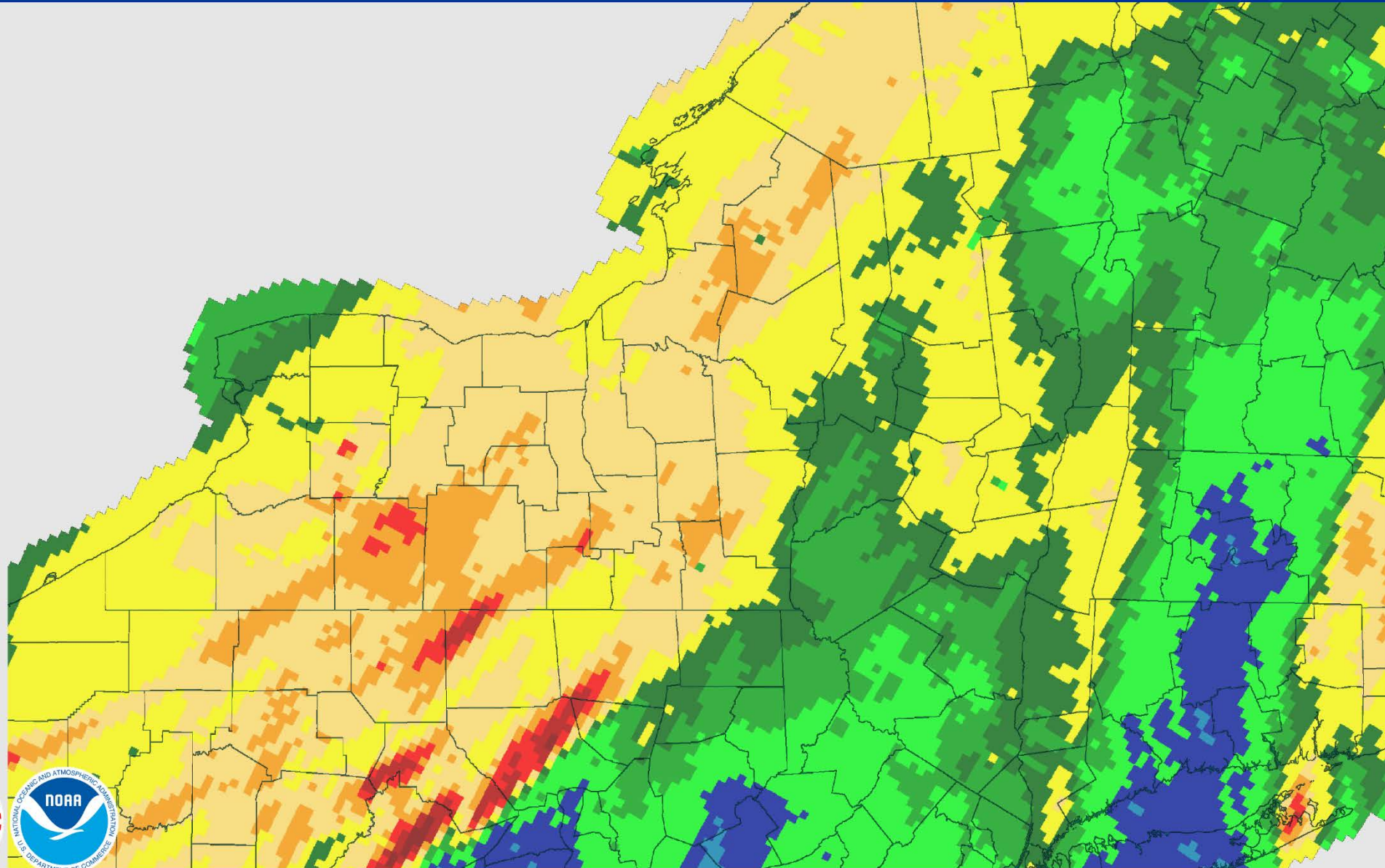
October 25, 2016
(Released Thursday October 27, 2016)



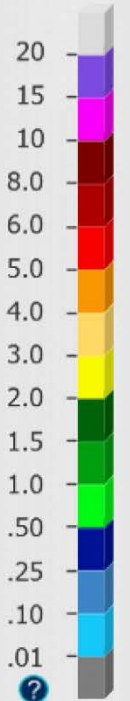
October 26, 2016 7-Day Observed Precipitation

Created on: October 27, 2016 - 13:17 UTC

Valid on: October 26, 2016 12:00 UTC

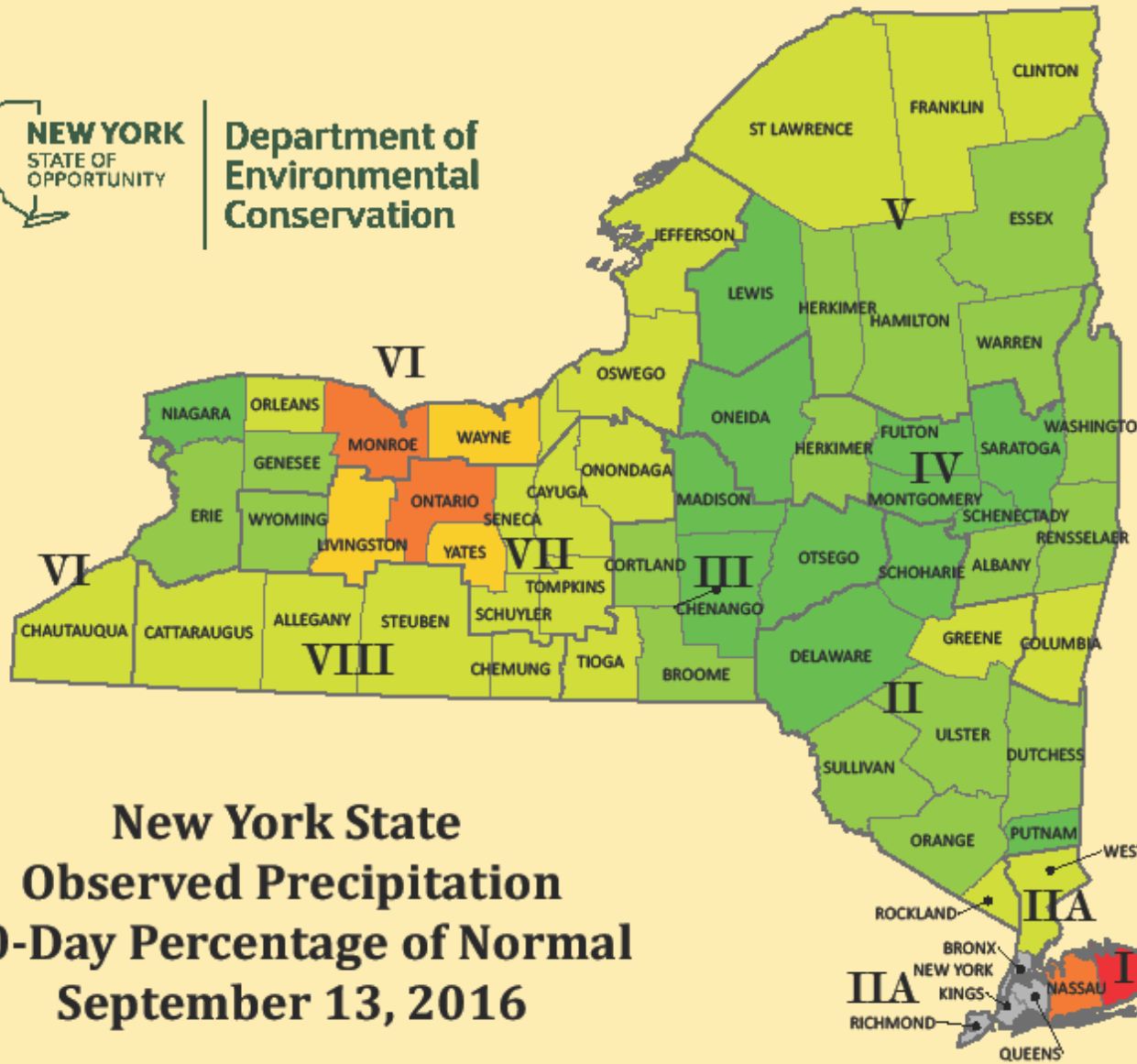


Inches





Department of Environmental Conservation



Drought Regions

- I Long Island
- IIA NYC/Westchester
- II Catskills
- III Susquehanna
- IV Mohawk/Upper Hudson
- V Adirondack
- VI Great Lakes
- VII Finger Lakes
- VIII Southern Tier

Percent of Normal

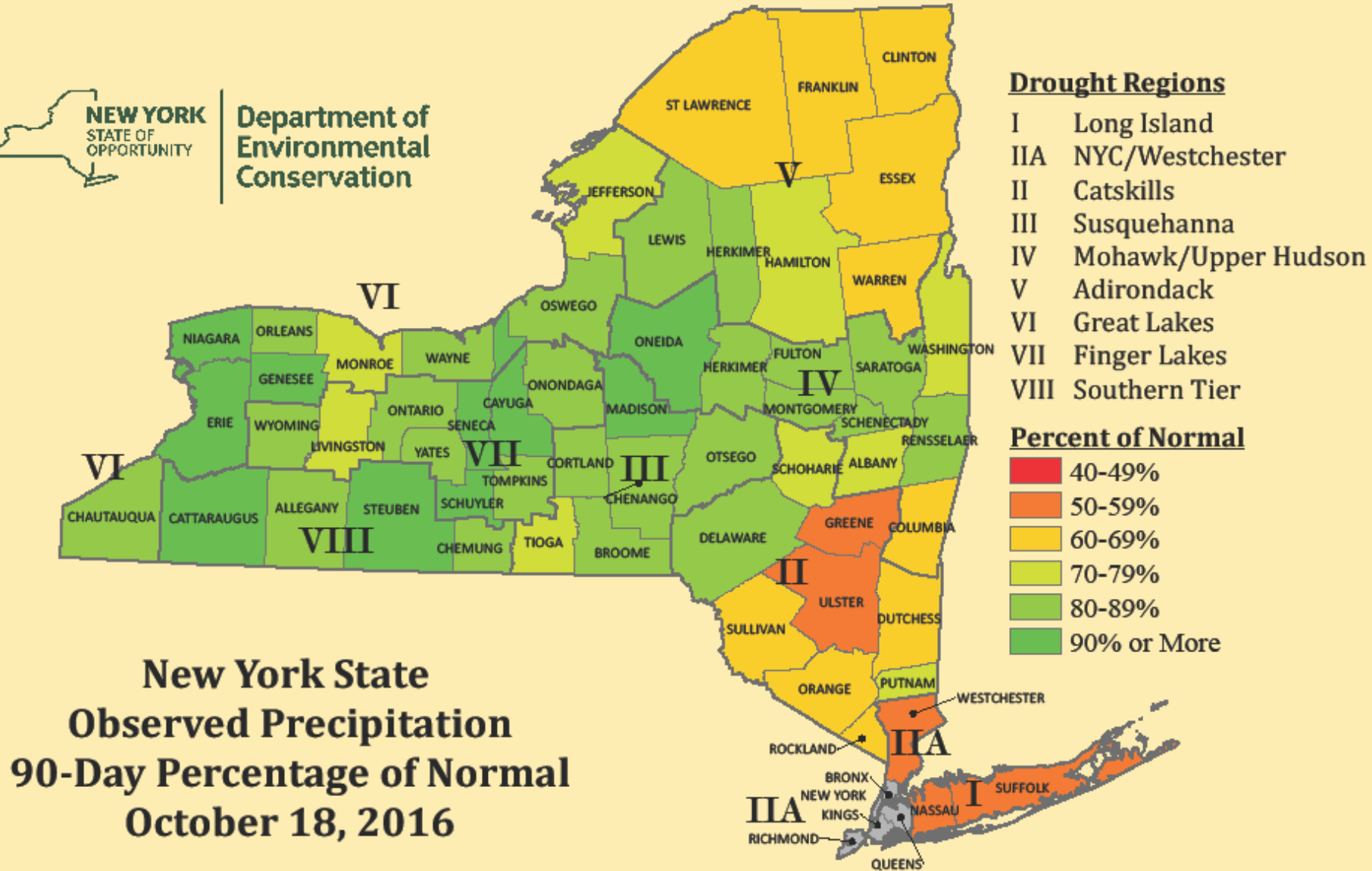
- 40-49%
- 50-59%
- 60-69%
- 70-79%
- 80-89%
- 90% or More

**New York State
Observed Precipitation
90-Day Percentage of Normal
September 13, 2016**

Department of Environmental Conservation



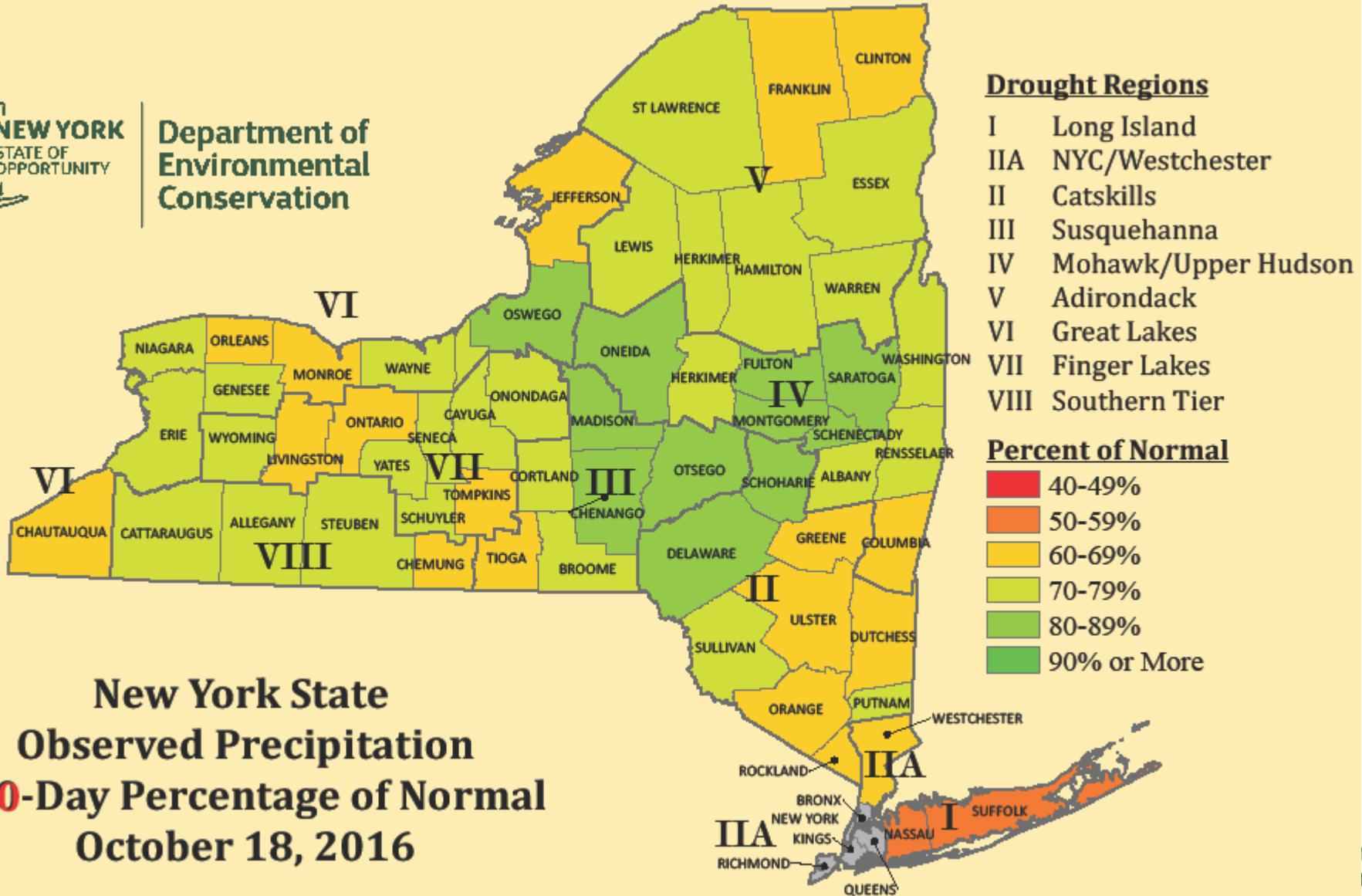
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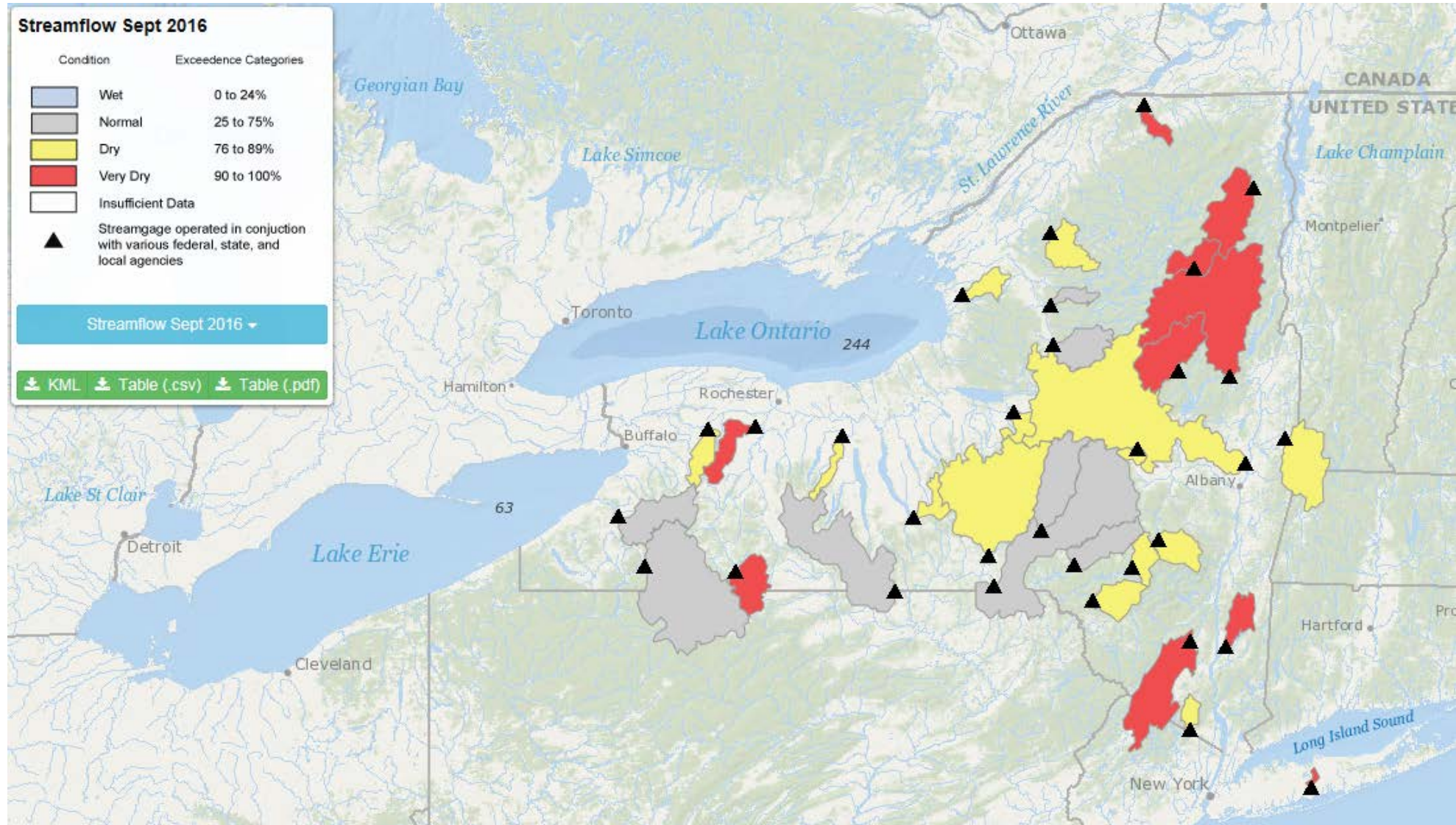
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New York State
 Observed Precipitation
180-Day Percentage of Normal
 October 18, 2016

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Mean Streamflow September 2016

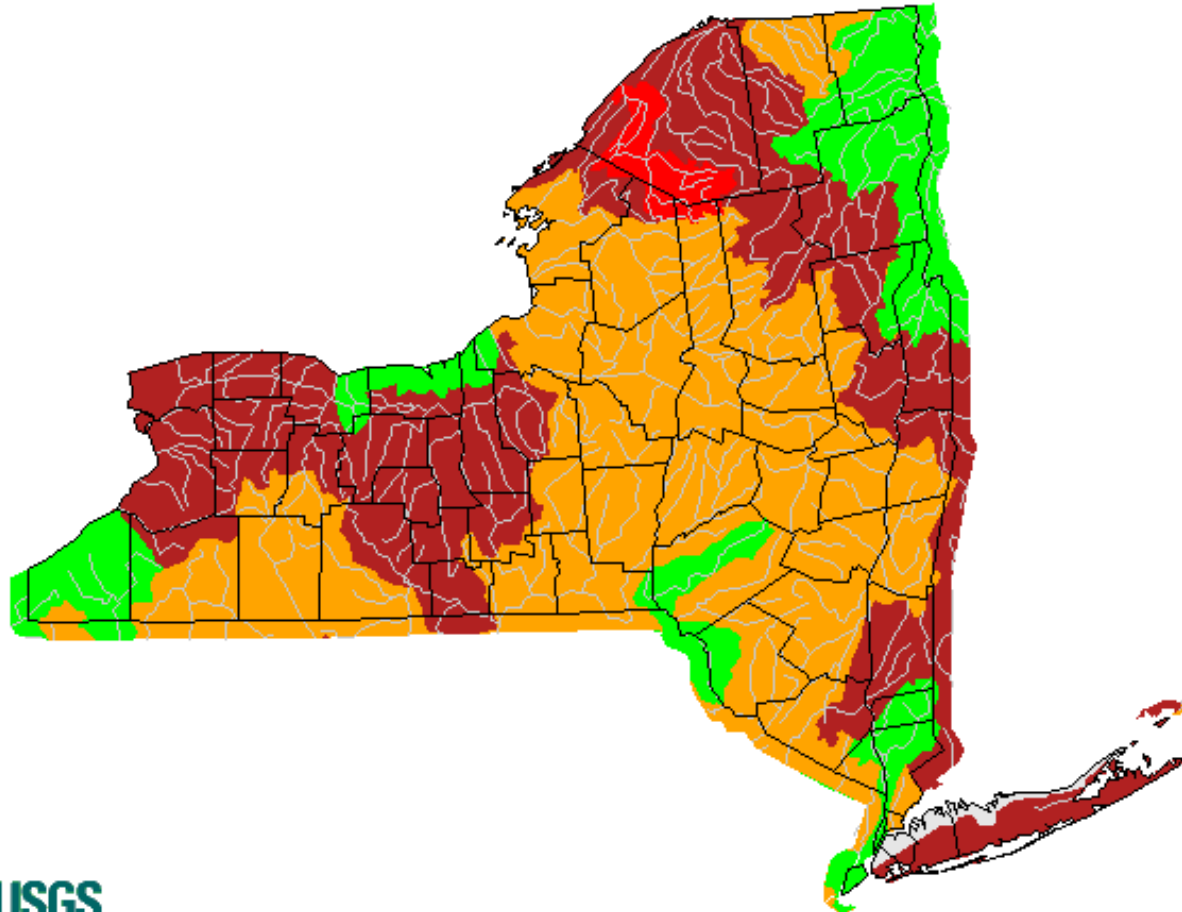


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Map of 28-day average streamflow compared to historical streamflow for the day of the year (New York)

New York ▼ or Water-Resources Regions ▼

Tuesday, October 18, 2016

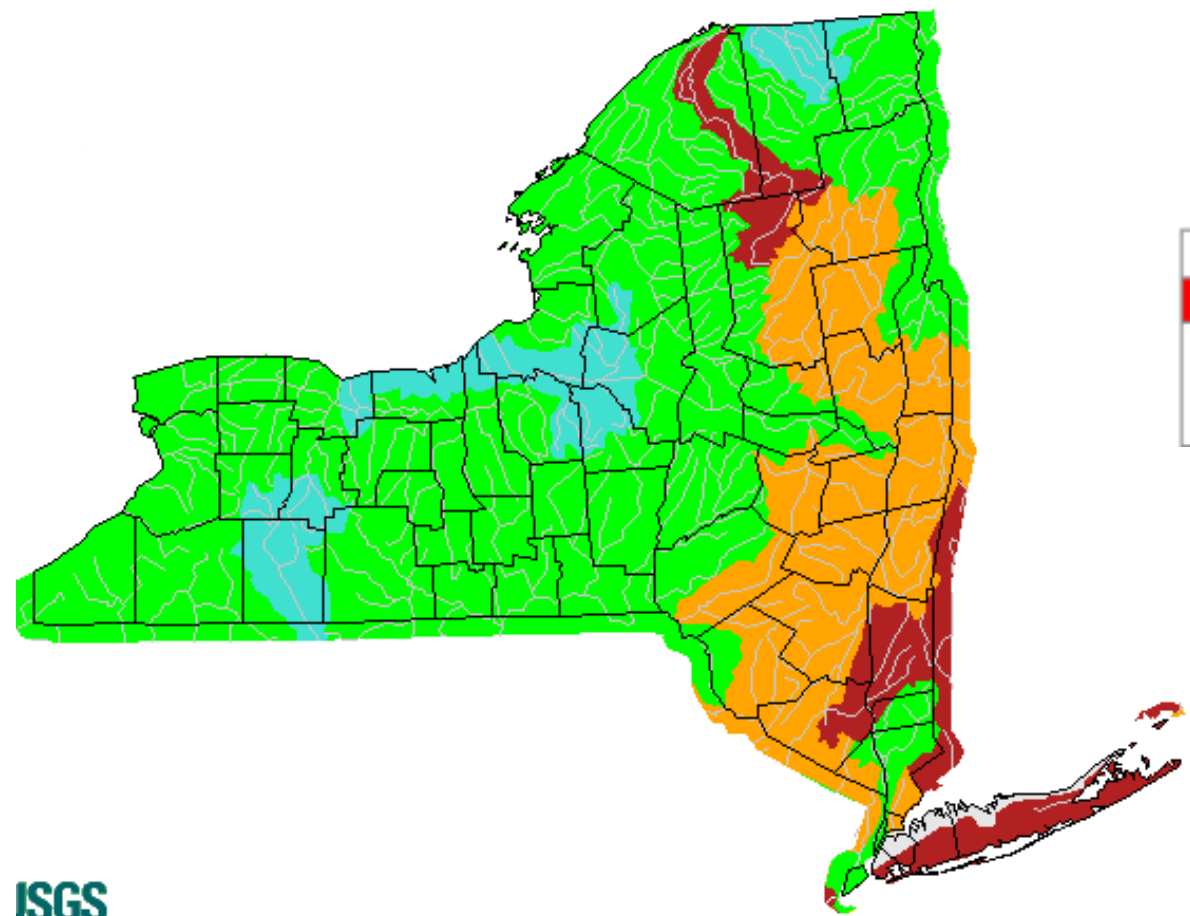


Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Map of 28-day average streamflow compared to historical streamflow for the day of the year (New York)

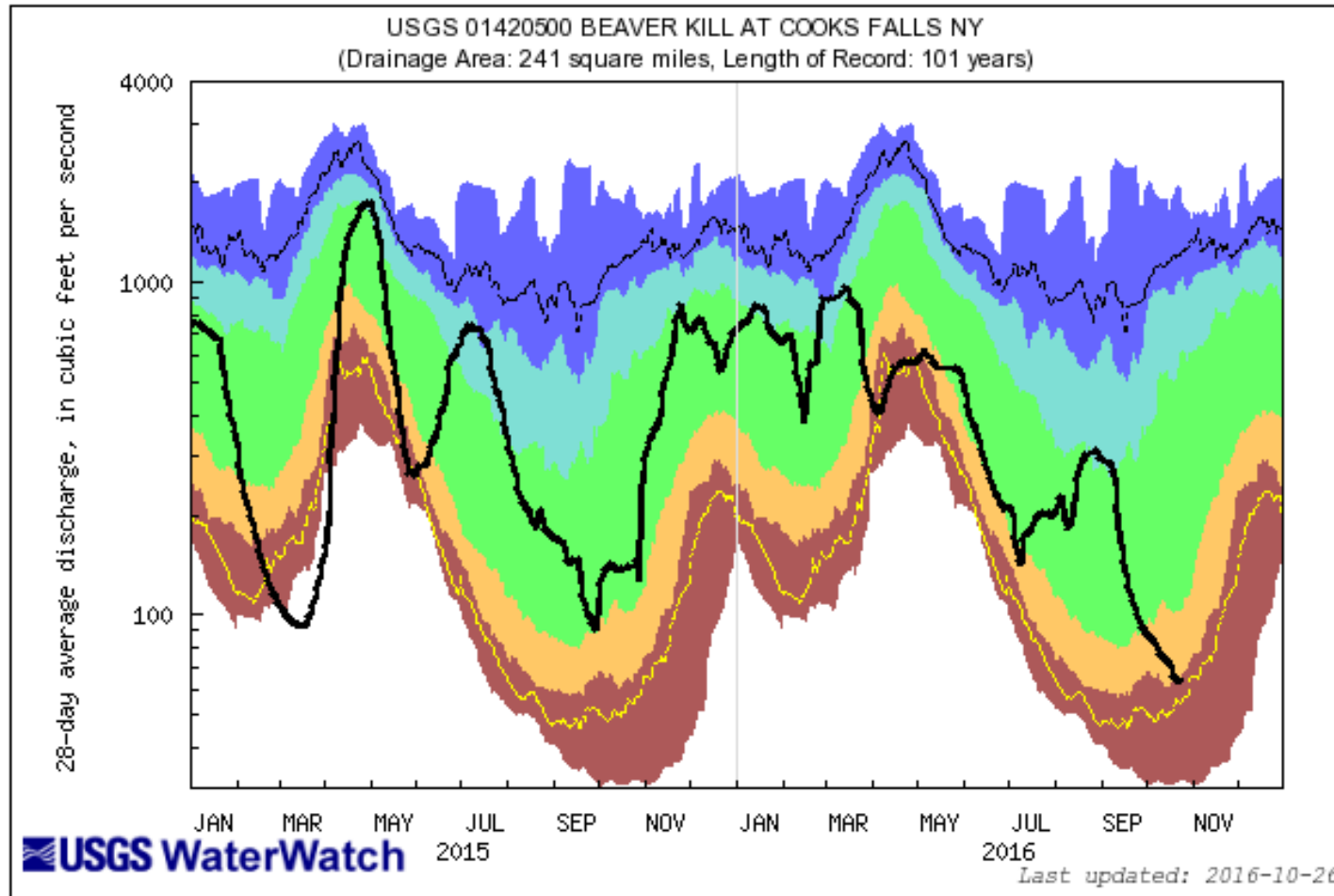
New York or Water-Resources Regions

Tuesday, October 25, 2016

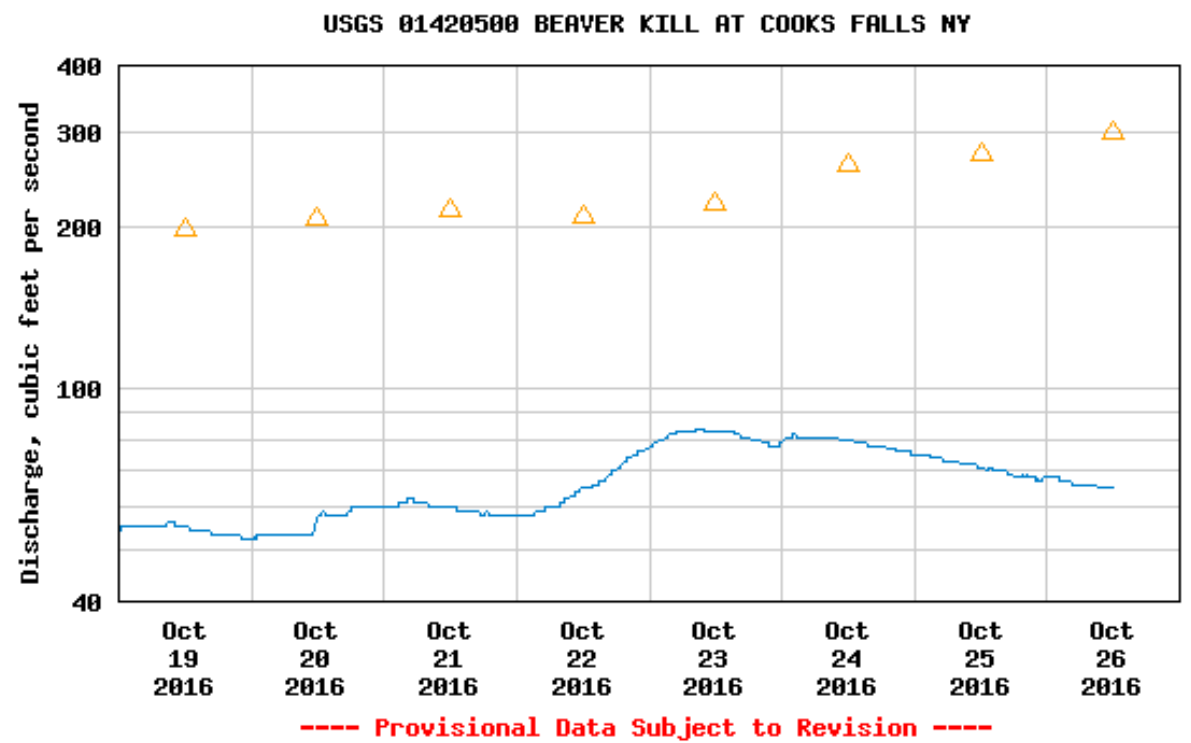


Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Beaver Kill at Cooks Falls – October 27, 2016



Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile - highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Flow



△ Median daily statistic (102 years) — Discharge

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Daily discharge, cubic feet per second -- statistics for Oct 26 based on 102 years of record [more](#)

Min (1965)	Most Recent Instantaneous Value Oct 26	25th percentile	Median	Mean	75th percentile	Max (2009)
29	65	126	301	482	652	3210



Groundwater Levels September 2016

USGS Hydrologic Conditions Mapper

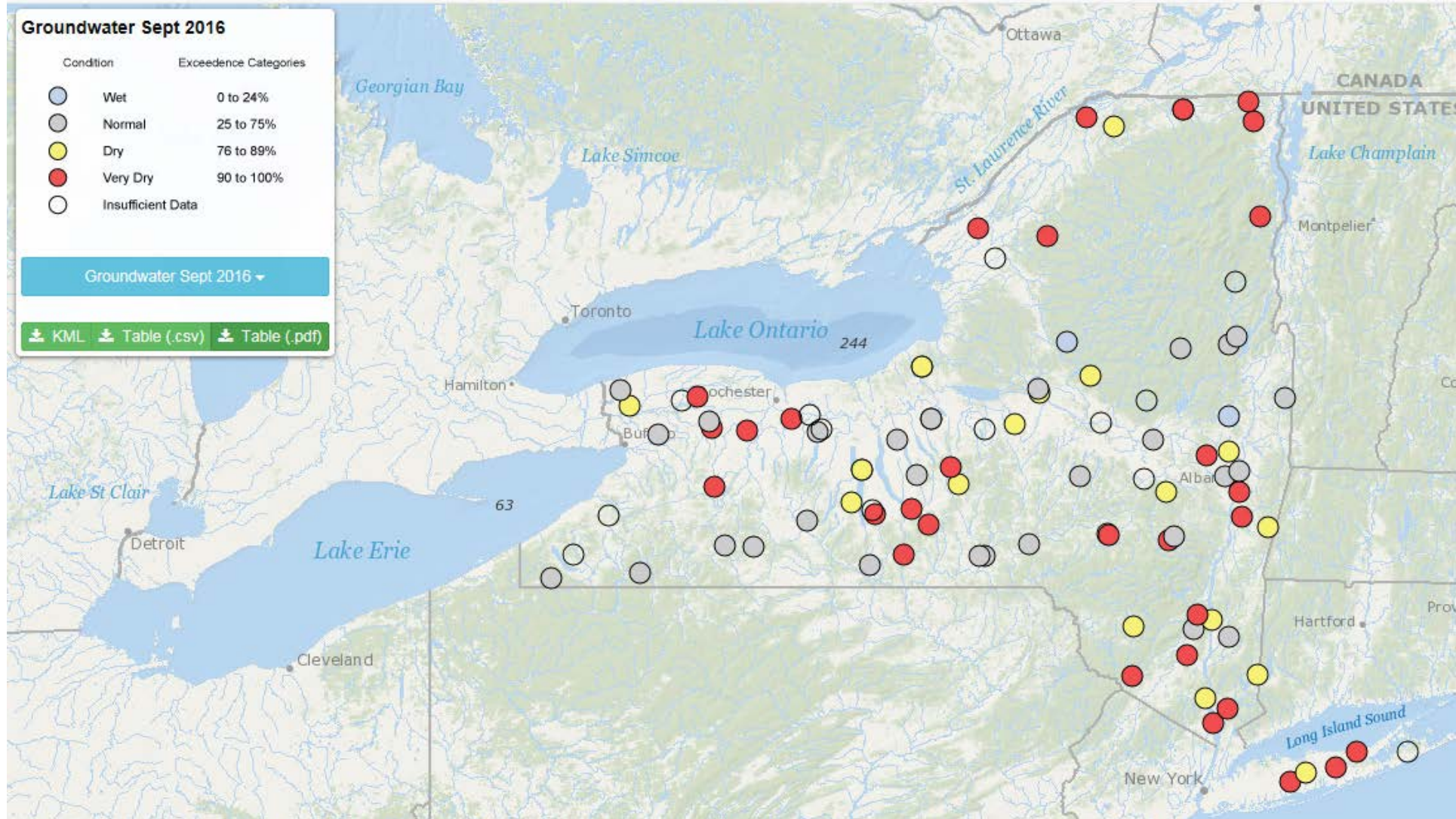


Groundwater Sept 2016

Condition	Exceedence Categories
 Wet	0 to 24%
 Normal	25 to 75%
 Dry	76 to 89%
 Very Dry	90 to 100%
 Insufficient Data	

Groundwater Sept 2016 ▾

[KML](#) [Table \(.csv\)](#) [Table \(.pdf\)](#)



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Conservation

Current Status – New York City



Cannonsville Reservoir
Capacity: 95.7B gallons
% of Capacity: 31.9

Pepacton Reservoir
Capacity: 140.2B gallons
% of Capacity: 63.2

Neversink Reservoir
Capacity: 34.9B gallons
% of Capacity: 67.8

Rondout Reservoir
Capacity: 49.6B gallons
% of Capacity: 92.6

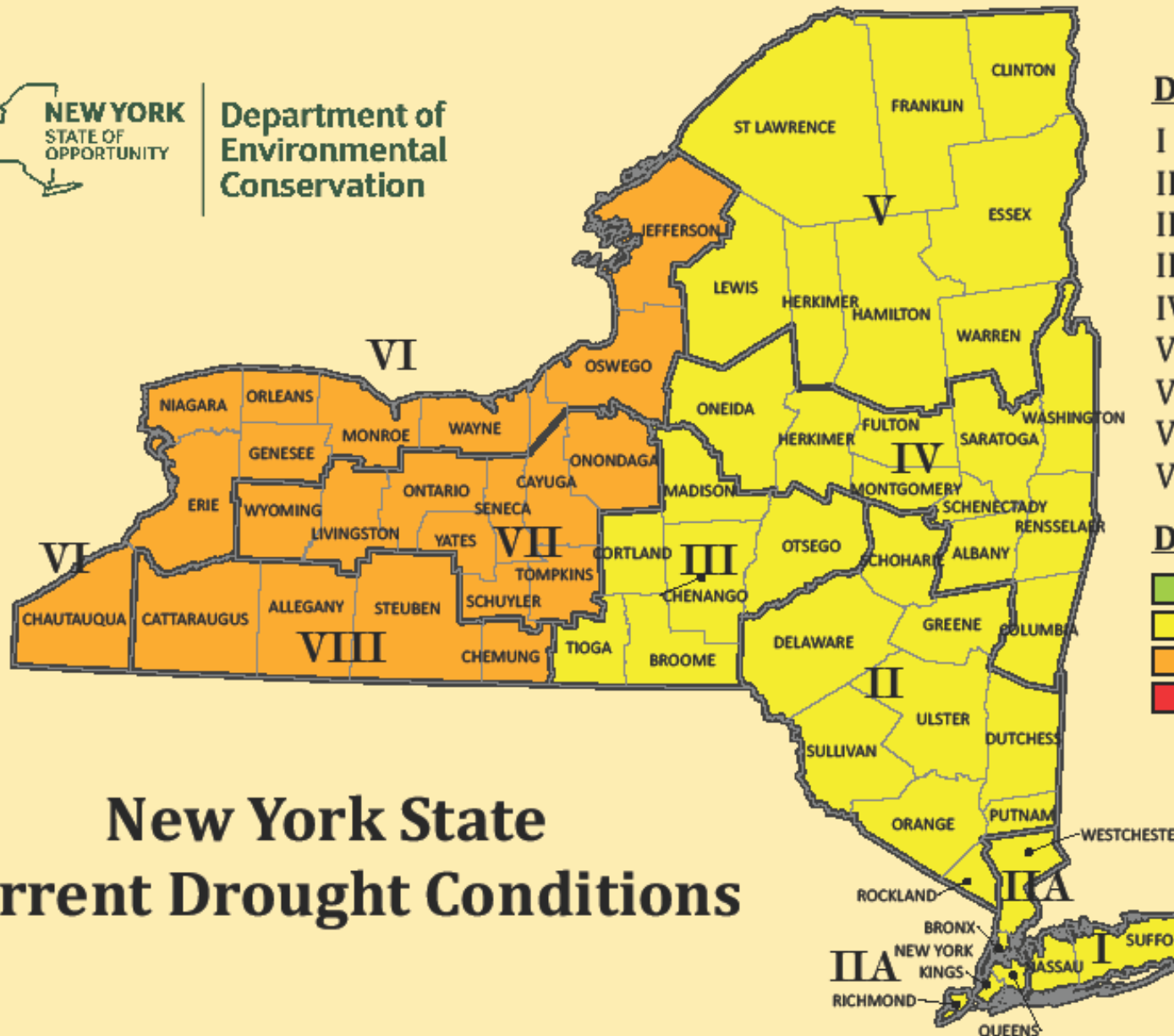


Current New York City Reservoir Storage October 26, 2016

Current 62.9%
Average 75.5 %



Department of Environmental Conservation



Drought Regions

- I Long Island
- IIA NYC/Westchester
- II Catskills
- III Susquehanna
- IV Mohawk/Upper Hudson
- V Adirondack
- VI Great Lakes
- VII Finger Lakes
- VIII Southern Tier

Drought Stage

- Normal
- Watch
- Warning
- Emergency

**New York State
Current Drought Conditions**

Department of Environmental Conservation

NYS Drought Regions in Drought Warning

VI - Great Lakes	Chautauqua, Erie, Jefferson, Monroe, Cayuga(northern), Oswego, Wayne	Genesee, Niagara, Orleans,
VII - Finger Lakes	Livingston, Onondaga, Schuyler, Seneca, Cayuga(southern), Wyoming, Yates	Ontario, Tompkins,
VIII - Southern Tier	Allegany, Cattaraugus, Steuben	Chemung,

Stage 1: Drought Watch – This first stage of a developing drought event is declared by the DEC based on the Drought Forecasting Plan (Appendix B). It is intended to give advanced notice of a developing drought. At this stage, the general public is urged to conserve water. Public water purveyors and industries are urged to update and begin to implement individual drought contingency plans.

Stage 2: Drought Warning - This second stage also is declared by DEC based on the Drought Forecasting Plan. It is a notice of impending and imminent severe drought conditions. A warning declaration includes stepping up public awareness and increasing voluntary conservation. Public water supply purveyors and industries are urged to continue to implement local drought contingency plans. Federal, state, and local water resources agencies are notified to prepare for emergency response measures.