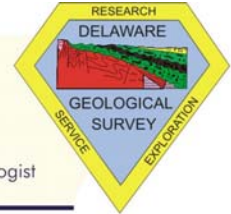


# Delaware Geological Survey

State of Delaware  
University of Delaware • Delaware Geological Survey Building  
Newark, Delaware 19716-7501

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Director and State Geologist



## *Analysis of Northern Delaware Drought Advisory Guidelines for October 2009*

### WATER CONDITIONS INDEX

October 2009: **16.32**

Drought Watch: 4.0 – 5.0

Drought Warning: 3.00 – 3.99

Drought Emergency: <3.00

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**PRECIPITATION (current running total):** 12-month: **+7.85"** 6-month: **+10.43"** 5-month: **+10.61"**

Drought Advisory Guidelines: 12-month running deficit

Drought Watch: -6.00 to -8.99"

Drought Warning: -9.00 to -11.99"

Drought Emergency: >-12.00"

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**STREAMFLOWS:** 30-day moving average

Brandywine at Wilmington: October 2 – October 30: **408.0 MGD**

Drought Watch: 85 MGD

Drought Warning: 70 MGD

Drought Emergency: 48 MGD

White Clay Creek at Stanton: [(RCC at Stanton) + (WCC near Newark \* 1.1)]: October 2 – October 30: **194.0 MGD**

Drought Watch: 42 MGD

Drought Warning: 37 MGD

Drought Emergency: 31 MGD

White Clay Creek at Newark: October 2 – October 30: **78.8 MGD**

Drought Watch: 19 MGD

Drought Warning: 16 MGD

Drought Emergency: 13 MGD

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**CHLORIDES**

UWD Monitoring

Drought Watch: Streamflows  $\leq 37$  mgd for 5 consecutive days on WCC at Stanton Intake

Drought Warning: >250 ppm/3 consecutive days/Christina River at Newport

Drought Emergency: >250ppm/3 consecutive days/Stanton Intake

Delaware River Salt Front (DRBC): September 29, 2009

Current Location: River Mile 72

Normal Location: River Mile 79

(The Delaware Memorial Bridge is located at River Mile 69, and the DE-PA state line is located at River Mile 78)

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**GROUND-WATER LEVELS**

DGS Well Db24-10: October, 2009: **12.30** (Normal)

Drought Watch: 14.00 to 14.99 ft below land surface

Drought Warning: 15.00 to 15.99 ft below land surface

Drought Emergency: >16.00 ft below land surface

Aquifer Storage and Recovery

Remaining water volume:  
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