

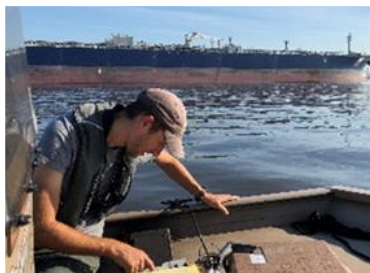
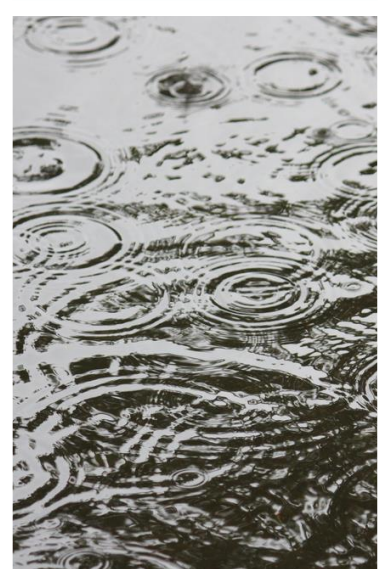
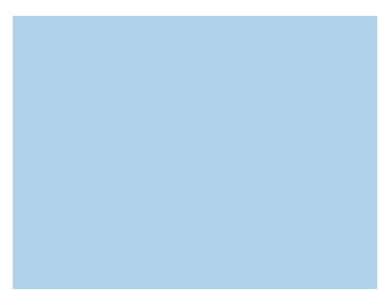


Hydrologic Conditions in the Delaware River Basin

Amy Shallcross, P.E.
Manager Water Resource Operations

December 17th, 2024
Advisory Committee on Climate Change

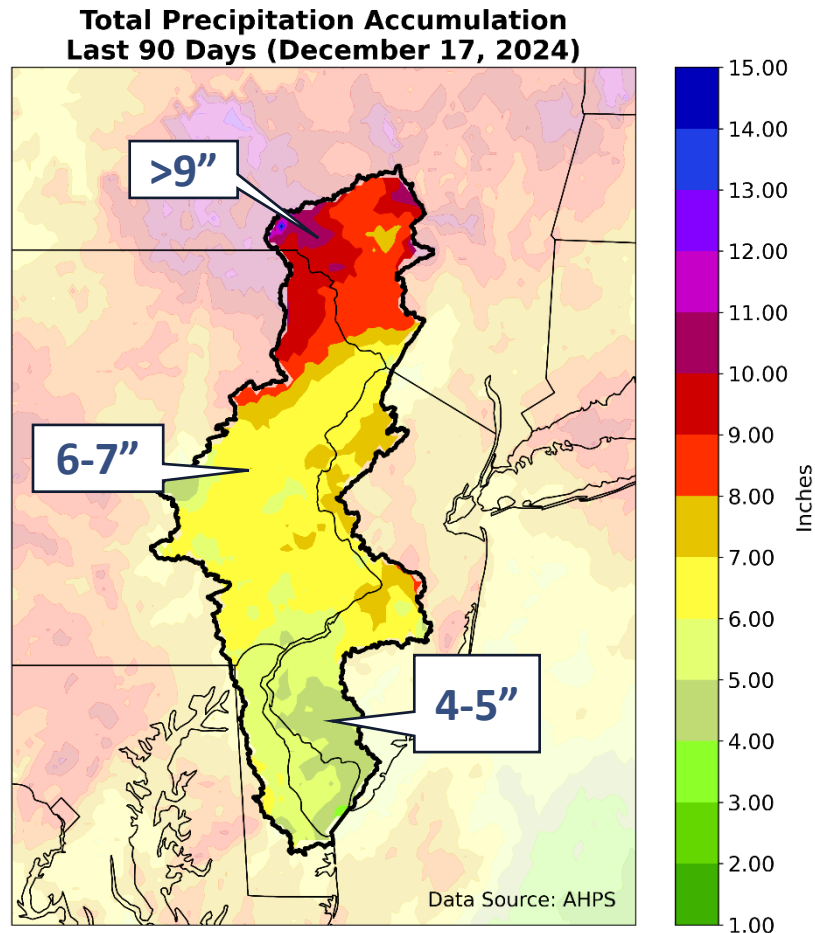
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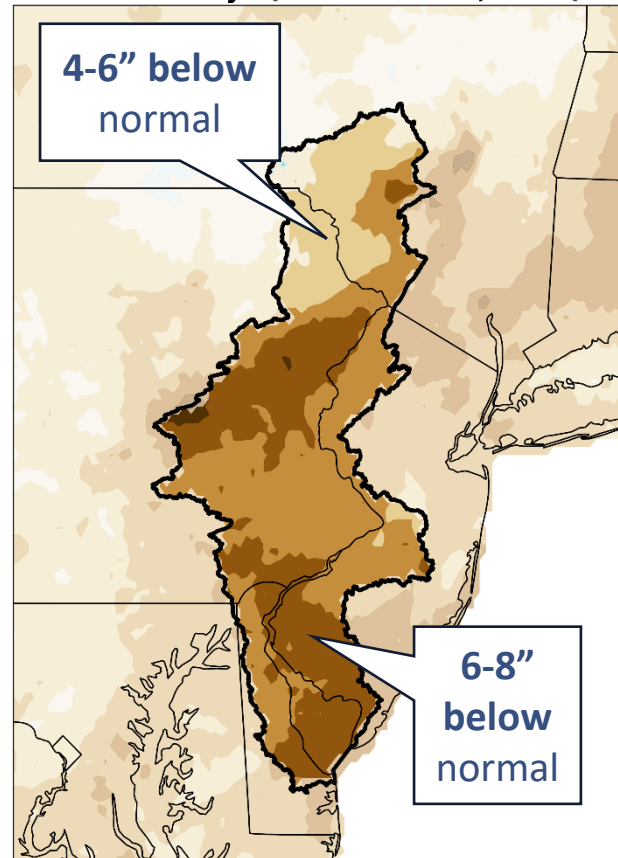
Precipitation – 90 days

Recent rainfall has reduced the precipitation deficit, but more is needed.

Yesterday

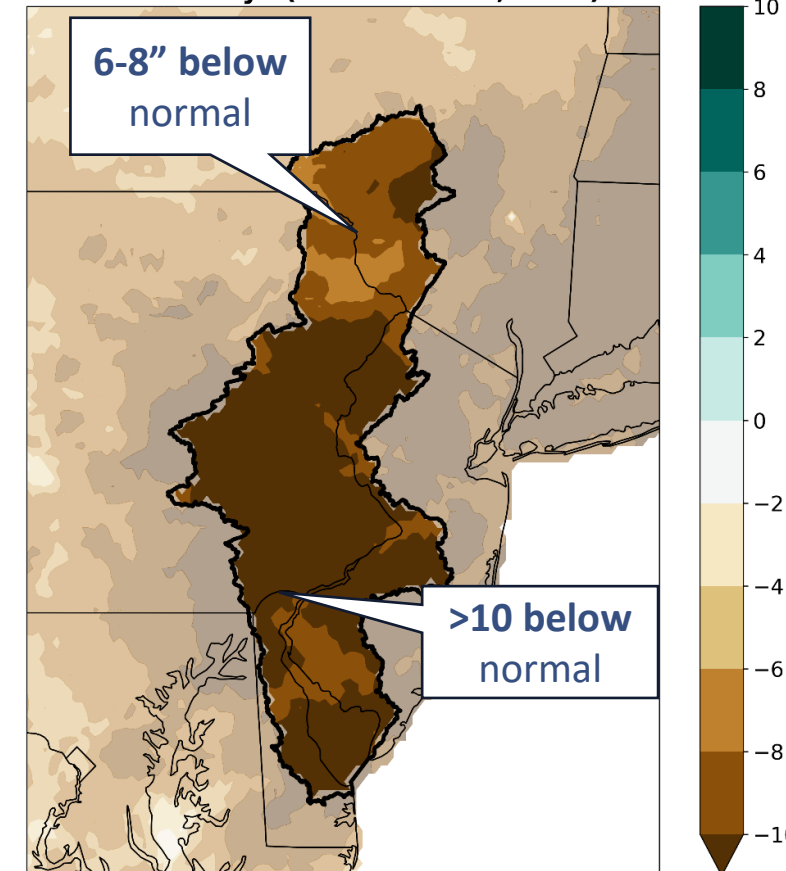


**Departure from Normal Precipitation
Last 90 Days (December 17, 2024)**



Pre-Thanksgiving

**Departure from Normal Precipitation
Last 90 Days (November 18, 2024)**



Releases to meet flow objectives

Flows have increased drastically since Monday.

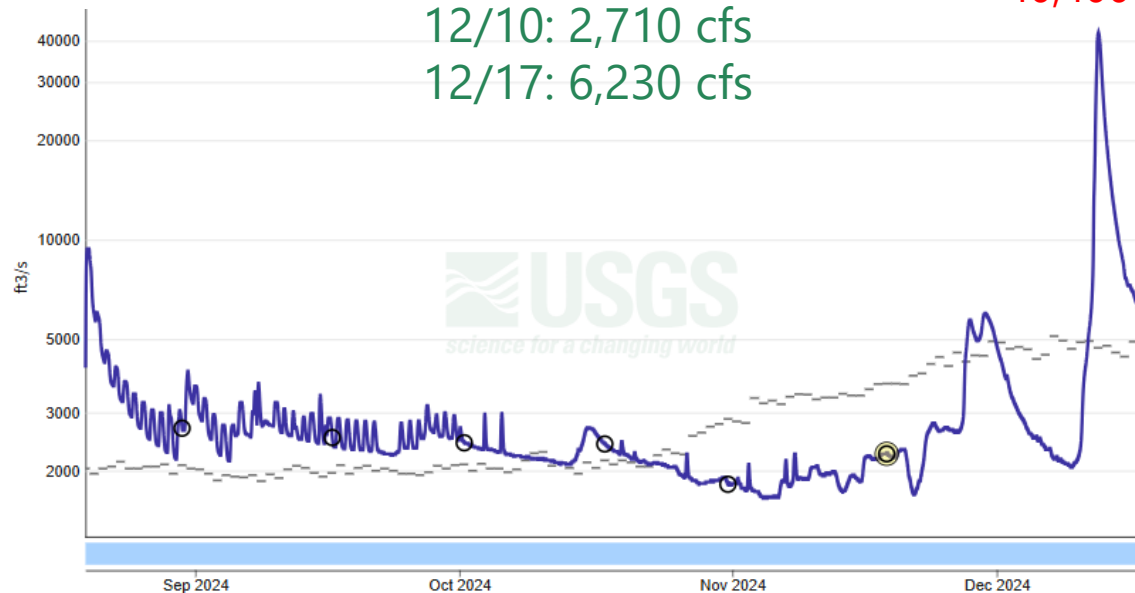
scales are different

MONTAGUE

12/10: 2,710 cfs

12/17: 6,230 cfs

40,400 cfs



(ODRM 8/29 – 11/21)
48.3 BG (77 days)
Includes conservation

TRENTON

12/10: 3,560 cfs

12/17: 11,400 cfs

39,700 cfs



(DRBC - 10/26 - 11/17 intermittent)
Beltzville - 3.03 BG (21 days)
TEFO Bank (from NYC) - 1.87 BG (9 days)

Delaware River at Trenton



Associated Press

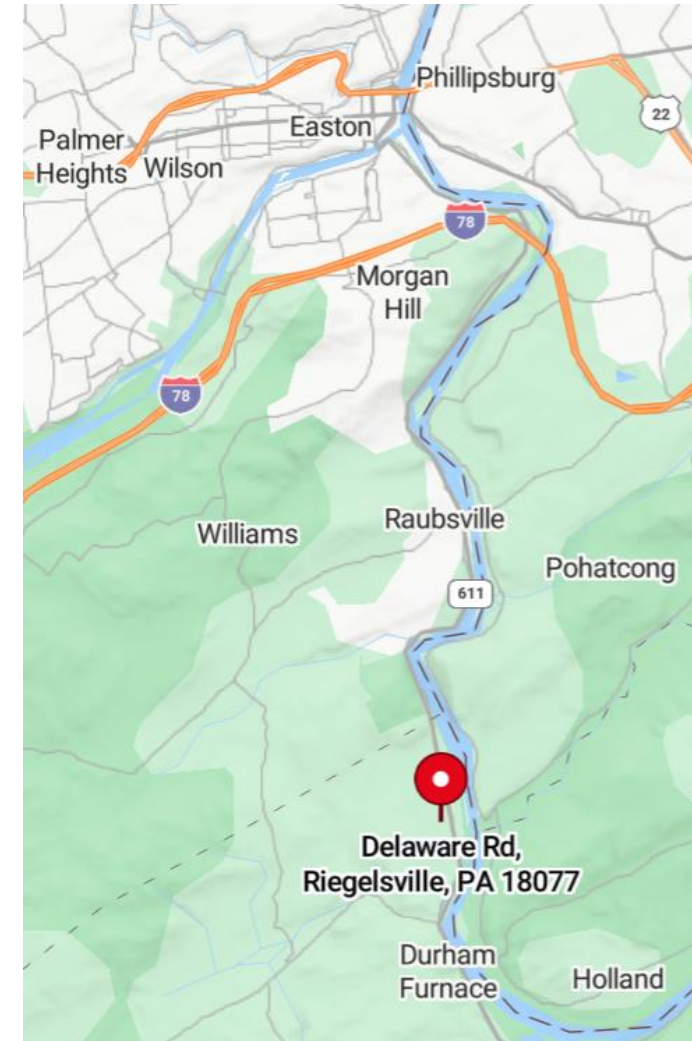
Raub's Island – near Riegelsville, PA

Large area of riverbank was exposed after no rain in October.

NOV 6
Trenton
2,900 cfs



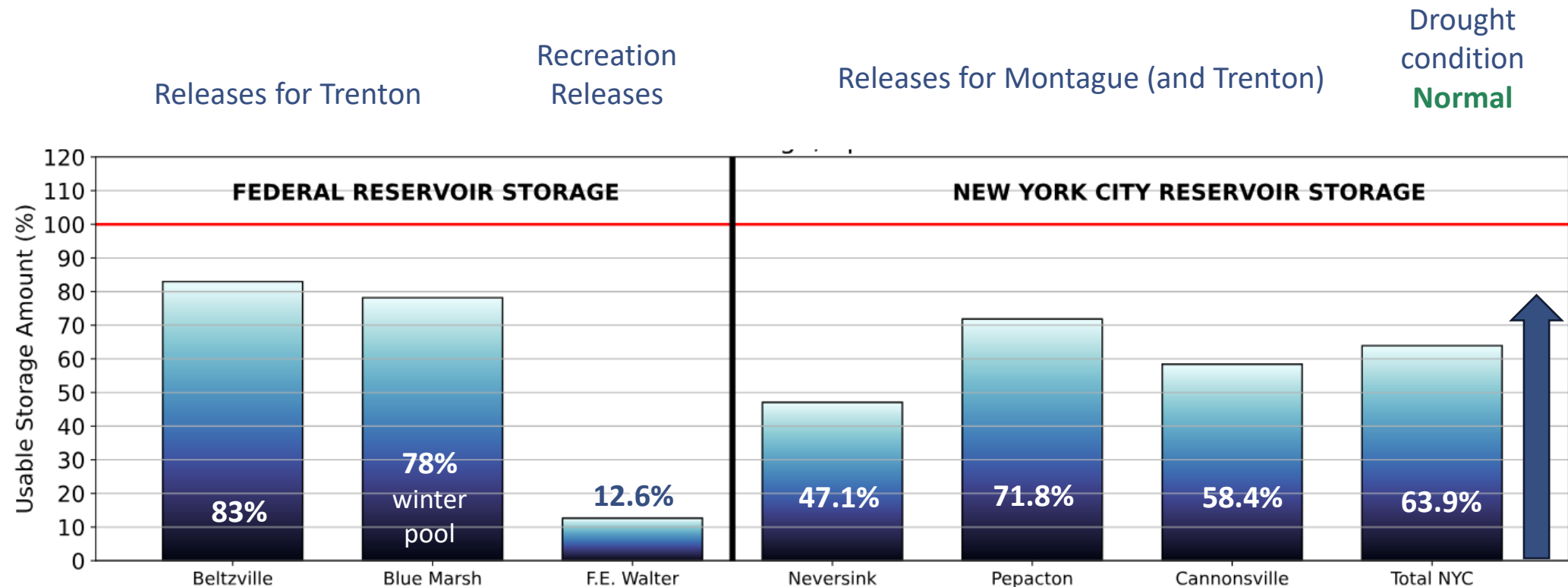
NOV 30
Trenton
8,010 cfs



Reservoir Storage for Flow Management

The drought rule curve increases daily by 0.53 BG. Storage is increasing faster.

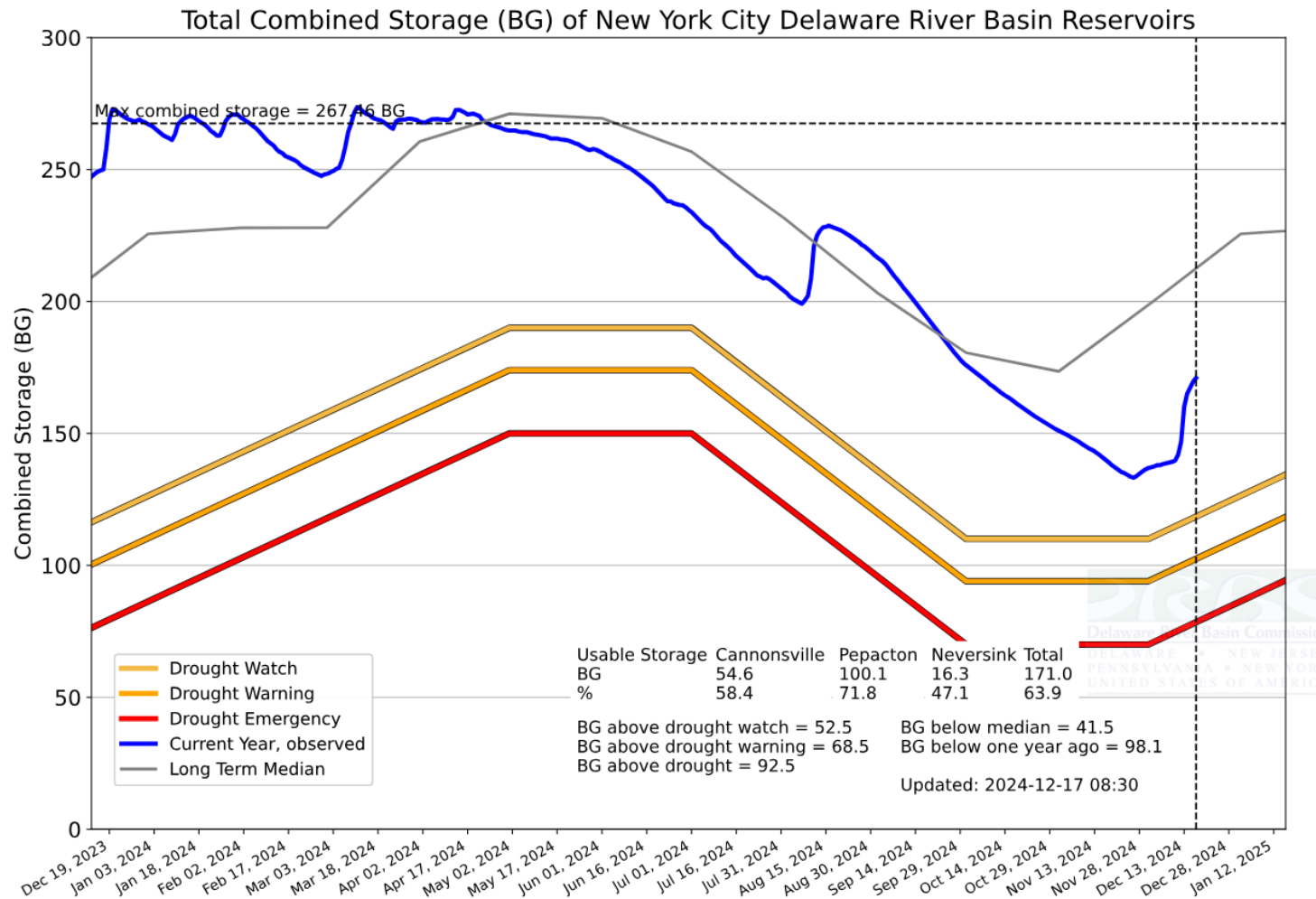
Releases from Lower and Upper Basin Reservoirs are used to meet flow objectives.



Blue Marsh is 77.4 percent of full summer pool and 100 percent of its winter pool. FE Walter is percent of summer pool.

New York City Reservoir Storage

The combined storage is 53.4 BG above drought watch.



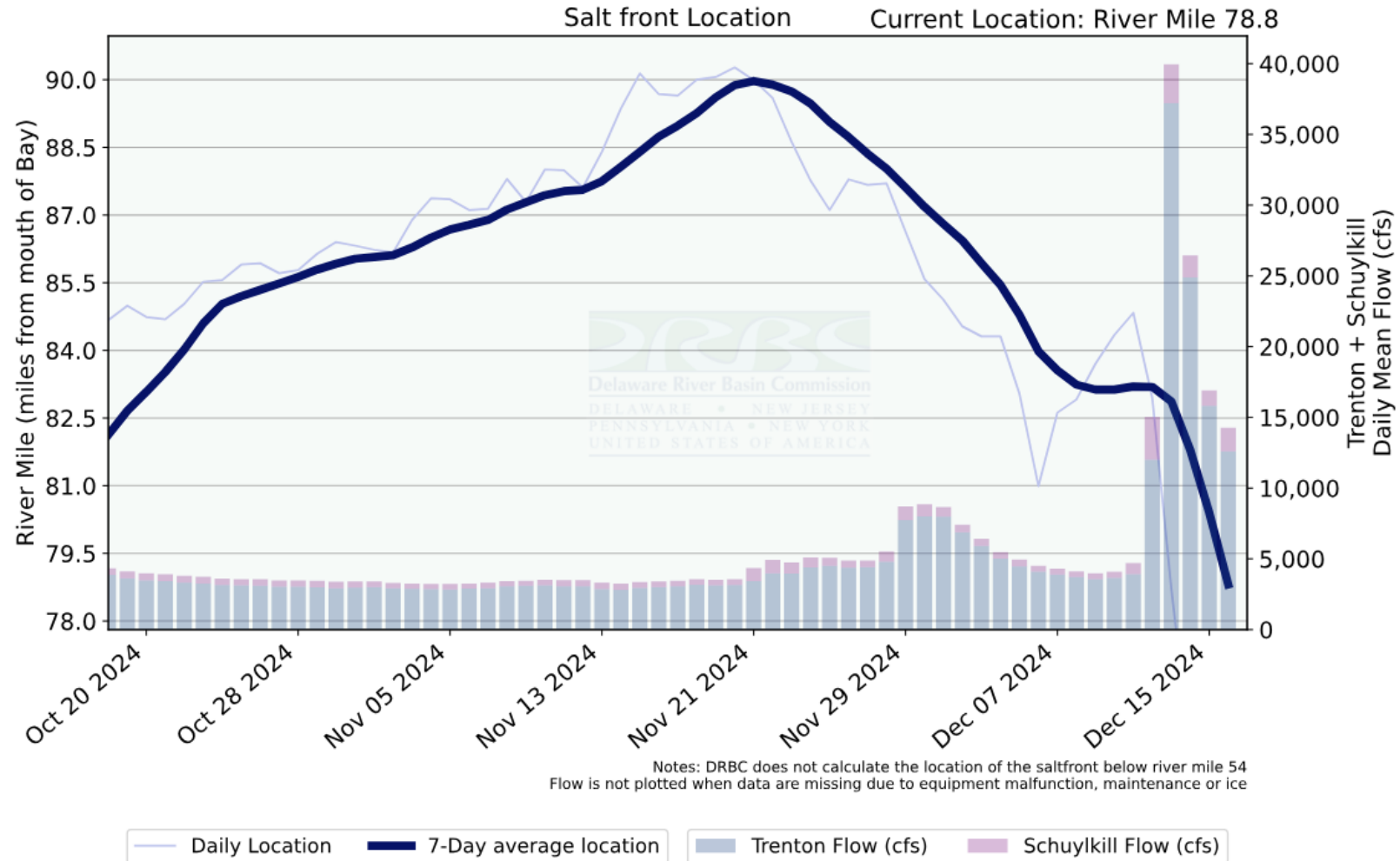
11/ 25: Minimum Storage was 133.3 BG (49.9%)
12/17: 171.9 BG (64.3%)

Current diversion: 450 mgd

Drought watch curve increases by 0.53 BG/d

Salinity repulsion and the salt front

The salt front is at RM 78.8 - DE/PA. Most upstream location (11/21) - airport.



Next Steps