

Watershed MANAGEMENT



Drought Information Center

November 9, 1999

For the period November 5 to 8, the Commonwealth has had very little precipitation. The exception is some very widely scattered light rain over extremely small areas. During the past 24-hour period there again was very widely scattered light rain over small areas which account for less than 10% of the area of the state.

All streams in the Delaware River Basin show a flow recession since November 5 except Frankford Creek and Crum Creek that are holding about even. The mainstem Delaware River is down from 12,100 to 7,730 cfs. at Trenton. The Lackawaxen River is down from 260 to 168 cfs. at Hawley. The Lehigh River is down from 3,460 to 1,900 cfs. at Bethlehem. The Schuylkill River is down from 2,680 to 1,760 cfs. at Philadelphia and the Brandywine Creek is down from 272 to 231 cfs. at Chadds Ford. About 70% of the stream gauges in the Delaware River Basin are at above normal flow for this date.

Flow recession is also the general rule for the Susquehanna River Basin over the last four days. The exceptions here are the mainstem Susquehanna River from Harrisburg downstream, which shows gauge increases, the Chemung River Basin with mixed gauge changes, and the Codorus Creek Basin which is holding fairly even. The Susquehanna River is down from 5,480 to 3,090 cfs. at Towanda, down from 6,710 to 5,310 cfs. at Wilkes-Barre, and up from 11,800 to 13,600 cfs. at Harrisburg. The West Branch Susquehanna River is down from 3,330 to 1,310 cfs. at Lock Haven, down from 2,830 to 2,170 cfs. at Williamsport, and down from 2,970 to 2,860 cfs. at Lewisburg. The Juniata River is down from 3,020 to 1,400 cfs. at Newport and the Conestoga River is down from 438 to 321 cfs. at Conestoga. About 90% of the stream gauges in the Susquehanna River Basin are at below normal flow for November 9.

The Ohio River Basin shows flow recessions at nearly all gauges since Friday. The Allegheny River is down from 23,700 to 12,200 cfs. at Natrona. The mainstem Ohio River is down from 37,200 to 18,600 cfs. at Sewickley. The Kiskiminetas River is down from 1,660 to 611 cfs. at Vandergrift. The Monongahela River is down from 12,000 to 4,550 cfs. at Braddock and the Beaver River is down from 2,950 to 881 cfs. at Beaver Falls. About 75% of the stream gauges in the Ohio River Basin are at below normal flow for today's date.

Since November 5, 27 counties with monitoring wells show water level rises for 12 counties and drops for 14. The Snyder County reading remains unchanged. Water level rises range from 0.02 to 2.19 ft. with an average increase of 0.29 ft. Decreases range from 0.03 to 3.16 ft. (Pike County) with an average drop of 0.69 ft. The well reading for Wayne County was taken yesterday, November 8. Although no precipitation is expected for Pennsylvania for the next 24 hours, an average of somewhat

over a half-inch of rain is expected over the entire state for the period November 10 to 13. An additional inch of precipitation is expected statewide for the period November 13 to 18, with somewhat higher amounts to the north. Temperatures for the next ten days are expected to be above normal early in the period, and below normal from November 14 to 19.