

# Watershed MANAGEMENT



## Drought Information Center

**February 1, 2000**

No precipitation data is available from the web this morning. Snowfall data downloaded yesterday shows from three to 12 inch accumulations for the eastern part of the state. Although the latest winter storm also struck the western counties, this area had considerably less snow.

In the Delaware River Basin, most streams are showing little or no change since last Thursday. Flow enhancements are seen in Neshaminy Creek and Chester Creek basins while the mainstem Delaware River shows receding flows. The Lackawaxen River and Schuylkill River basins have mixed gauge changes. The mainstem Delaware River is down from 17,200 to 14,000 cfs. at Trenton. The Lackawaxen River is down from 671 to 649 cfs. at Hawley. The Lehigh River is holding almost steady from 1,370 to 1,380 cfs. at Bethlehem. The Schuylkill River is down from 1,410 to 1,310 cfs. at Philadelphia and the Brandywine Creek is up from 241 to 309 cfs. at Chadds Ford. About 70% of the stream gauges in the Delaware River Basin are at below normal flow for February 1.

Since January 27, the most common flow trend for the Susquehanna River Basin seems to be rather small changes in discharge. Wapwallopen Creek and Conestoga River basins show flow enhancements while the mainstem Susquehanna River, Fishing Creek, Lackawanna River, Penns Creek, Juniata River and Conodoguinet Creek basins show flow recessions. Mixed gauge changes are seen in the Chemung River, West Branch Susquehanna River and Swatara Creek basins. The mainstem Susquehanna River is down from 6,450 to 4,480 cfs. at Towanda, down from 29,600 to 23,800 cfs. at Wilkes-Barre, and down from 53,200 to 42,000 cfs. at Harrisburg. The West Branch Susquehanna River is almost even from 2,310 to 2,340 cfs. at Lock Haven, down from 4,670 to 3,380 cfs. at Williamsport, and down slightly from 4,890 to 4,770 cfs. at Lewisburg. The Juniata River is down from 4,870 to 3,550 cfs. at Newport and the Conestoga River is up from 353 to 557 cfs. at Conestoga. About 65% of the stream gauges in the Susquehanna River Basin are at below normal flow for this date.

The Ohio River Basin shows mainly flow recessions over the past five days. Mixed gauge changes are seen in the Allegheny River Basin while Oil Creek, Crooked Creek, Mahoning Creek, Kiskiminetas River, Buffalo Creek and Chartiers Creek basins are holding rather steady. Raccoon Creek and Kinzua Creek basins show flow enhancements. The Allegheny River is down from 9,120 to 6,250 cfs. at Natrona. The Kiskiminetas River is up from 1,320 to 1,870 cfs. at Vandergrift. The Monongahela River is down from 3,530 to 3,260 cfs. at Braddock and the Beaver River is down from 1,510 to 1,440 cfs. at Beaver Falls. About 90% of the stream gauges in the Ohio River Basin are at below normal flow for today's date.

Since January 27, 27 counties with monitoring wells show water level rises for five counties and drops for 22. Increases range from 0.02 to 0.14 ft. (Allegheny County) with an average rise of 0.07 ft. Decreases range from 0.01 to 3.13 ft. (Carbon County) with an average fall of 0.49 ft.

Between one and five-tenth inches of precipitation is forecast for mainly western and northwestern counties over the next five days encompassing only about 40% of the area of the state. For the period February 6 to 11, essentially no precipitation is expected for Pennsylvania. Temperatures are expected to be close to normal for the next few days. Extended temperature forecast data is missing this morning.