Potomac Water-Quality Monitoring Program Quarterly Progress Report U.S. Geological Survey

Reporting Period	October 1, 2000 – December 31, 2000
Cooperating Agencies	Maryland Department of the Environment (MDE) and U.S. Geological Survey (USGS)
Project Personnel	

Brenda Feit Majedi, Project Chief, USGS		
Southern Maryland:	Josh Kempf and George Zynjuk, USGS	
Western Maryland/WVa:	Jim Jeffries, USGS;	
,	John Holt plus one, MDE	
Virginia:	Rick Ahlin, USGS	

Progress During Reporting Period

- 1. The following water-quality samples were collected during this reporting period: *Zekiah Swamp Run nr Newtown, MD (01660920)*
 - 3 base-flow samples
 - 1 replicate sample
 - 1 field blank sample

Goose Creek nr Leesburg, VA (01644000)

- 3 base-flow samples
- 1 replicate sample
- 1 field blank sample

Potomac River at Shepherdstown, WV (01618000)

3 base-flow samples
1 replicate sample
1 field blank sample
1 blank of DI water produced by Western Maryland Regional Lab, DHMH

Mattawoman Creek nr Pomonkey, MD (01658000)

3 base-flow samples 1 replicate sample

Piscataway Creek at Piscataway, MD (01653600)

- 3 base-flow samples 1 replicate sample
- 1 field blank sample

St. Clement Creek nr Clements, MD (01661050)

3 base-flow samples 1 replicate sample 1 field blank sample

Blacks Run at Rt. 726 at Harrisonburg, VA (01621410)

3 base-flow samples1 replicate sample1 field blank sample

Sideling Hill Creek nr Bellegrove, MD (01610155)

- 3 base-flow samples
- 1 replicate sample
- 1 field blank sample

Cacapon River at Great Cacapon, WV (01611500)

- 3 base-flow samples 1 replicate sample
- 2. Site construction and installation continued during this reporting period. The following lists the status of each site:

 Zekiah Swamp Run nr Newtown, MD (01660920):
 Station is real-time operational, at http://sunweb1.er.usgs.gov/rt-cgi/gen_stn_pg?station=01660920&style=new. No automatic sampler at this station.

- *Goose Creek nr Leesburg, VA (01644000):* Gage house installed; no electricity or phone yet; stage data is being collected; real-time and automatic sampler operational following installation of electricity and phone.
- Potomac River at Shepherdstown, WV (01618000): Station is real-time operational, at <u>http://sunweb1.er.usgs.gov/rt-cgi/gen_stn_pg?station=01618000&style=new</u>. No automatic sampler at this station.
- *Mattawoman Creek nr Pomonkey, MD (01658000):* Gage house installed; electricity and phone installed; stage data is being collected; real-time and automatic sampler installed by end of January.
- *Piscataway Creek at Piscataway, MD (01653600):* Phone and gage house installed; stage data is being collected; electricity, automatic sampler, and real-time installed by end of January.
- *St. Clement Creek nr Clements, MD (01661050):* Electricity and phone installed; stage data is being collected; real-time and automatic sampler installed by end of January.
- Blacks Run at Rt. 726 at Harrisonburg, VA (01621410): Phone and gage house installed; station is real-time operational, at <u>http://www-va.usgs.gov/rt-cgi/gen_stn_pg?station=01621050</u>. Electricity and automatic sampler installation scheduled for end of January.

- *Sideling Hill Creek nr Bellegrove, MD (01610155):* Gage house installed; electricity and phone installed; stage data is being collected; real-time and automatic sampler installed mid-January.
- *Cacapon River at Great Cacapon, WV (01611500):* Gage house installed; electricity and phone installed; station is real-time operational, at <u>http://www-wv.er.usgs.gov/rtcgi/gen_stn_pg?station=01611500&style=new</u>. Automatic sampler installed mid-January.
- 3. Automatic samplers arrived in mid December; will be operational in the field by end of January 2001.
- 4. Presented a poster for the project at the annual Maryland Water Monitoring Committee meeting in December.

Plans for Next Quarter

- 1. Continue water-quality sample collection.
- 2. Complete the project work plan and Quality-Assurance/Quality-Control Plan.
- 3. Get automatic samplers operational at each site.
- 4. Coordinate concurrent sampling with MDE in southern Maryland, for data comparison purposes.
- 5. Follow-up site visits to all 9 stations (February).
- 6. Create project web page.