

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

Reporting Period April 1, 2002 – June 30, 2002

Cooperating Agencies Maryland Department of the Environment (MDE) and
U.S. Geological Survey (USGS)

Project Personnel

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Progress During Reporting Period

1. The following water-quality samples were collected during this reporting period:

Mattawoman Creek nr Pomonkey, MD (01658000)

Four base-flow samples, two in April and one in May and June, were collected and analyzed for nutrient and suspended-sediment concentrations. No storm samples were collected during this reporting period.

Piscataway Creek at Piscataway, MD (01653600)

Eleven samples were collected and analyzed for nutrient and suspended-sediment concentrations, including four monthly base-flow and six stormflow samples, as well as one storm replicate.

St. Clement Creek nr Clements, MD (01661050)

Three base-flow samples were collected and analyzed for nutrient and suspended-sediment concentrations. No storm samples were collected during this reporting period.

Zekiah Swamp Run nr Newtown, MD (01660920)

Three base-flow samples were collected and analyzed for nutrient and suspended-sediment concentrations. No storm samples were collected during this reporting period.

Progress During Reporting Period (continued)

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

Thirteen samples were collected and analyzed for nutrient and suspended-sediment concentrations, including three monthly base-flow and ten stormflow samples.

Goose Creek nr Leesburg, VA (01644000)

Three base-flow samples were collected and analyzed for nutrient and suspended-sediment concentrations. No storm samples were collected during this reporting period.

Potomac River at Shepherdstown, WV (01618000)

Eight samples were collected and analyzed for nutrient and suspended-sediment concentrations, including three monthly base-flow and four stormflow samples, as well as one comparison of the weighted-bottle sampler to the DH-95 sampler.

Sideling Hill Creek nr Bellegrove, MD (01610155)

Six samples were collected and analyzed for nutrient and suspended-sediment concentrations, including three monthly base-flow and three stormflow samples.

Cacapon River at Great Cacapon, WV (01611500)

Eleven samples were collected and analyzed for nutrient and suspended-sediment concentrations, including four monthly base-flow and six stormflow samples, as well as one storm replicate.

2. Three of the Southern Maryland sites went to zero flow during the last week of June (Mattawoman Creek, Zekiah Swamp Run, and St. Clements Creek), and Piscataway Creek fell to near zero flow during that same week.

Plans for Next Quarter

1. Continue water-quality sample collection. St. Clement Creek and Zekiah Swamp Run in Southern Maryland and Goose Creek in Virginia are priority sites for sample collection during storm events.
2. Complete the outline of the project's data report and begin report writing.