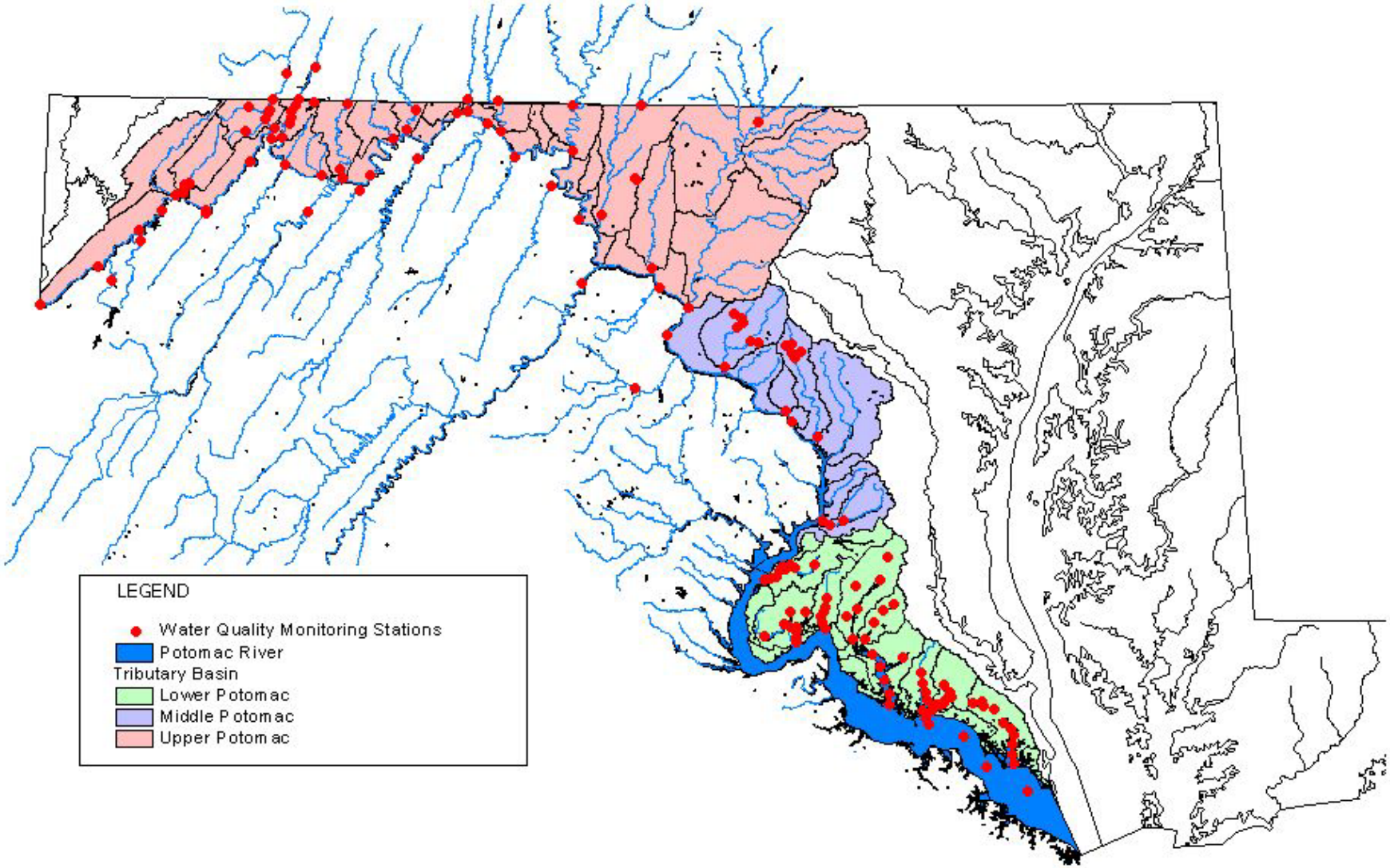
Potomac River Monitoring 2000-2002

MDE
Field Operations Program

GENERAL SUMMARY - Year 1

- **120 stream and estuarine sites were located within the Lower, Middle, and Upper Potomac Tributary Basins.**
- **Emphasis was placed on locations that represent the major reaches of the impaired water bodies while allowing for adequate segmentation of the model.**
- **USGS gage stations were located at approximately 23 sites.**
- **Surveys were conducted monthly from October 2000 – September 2001.**
- **An additional 6 collections were conducted under high-flow (March, April, May 2001) and low-flow (July, August, September 2001) conditions.**

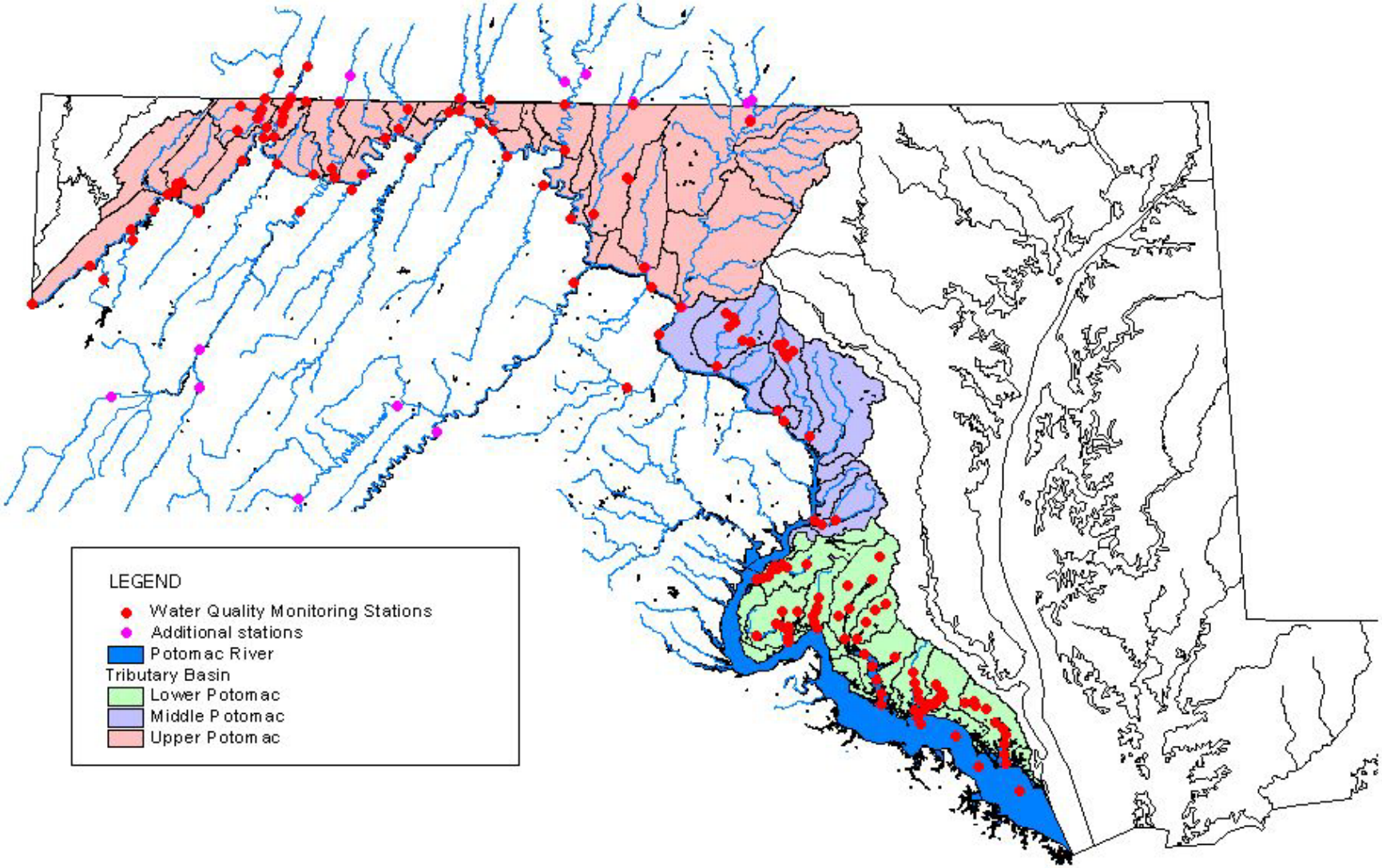
POTOMAC WATER QUALITY MONITORING STATIONS - YEAR 1



FIELD ACTIVITIES

- Characterize land use of basin.
- Measure stream flow/record stream gage.
- Measure stream channel geometry (performed only once).
- Record physical measurements.
- Collect and process water samples.
- Deliver samples to analytical laboratories.

GENERAL SUMMARY - Year 2

- Continue monitoring of existing 120 sites in Potomac basin from October 2001-September 2002.
- An additional 100 stream sites will be sampled in the free-flowing portions of Middle and Upper Potomac Tributary Basins.
- 20 of these additional sites will be sampled monthly to capture conditions throughout the annual hydrologic cycle.
- 80 of the additional sites will be sampled three times during high flow and three times during low flow in six major tributary basins..
- Emphasis was again placed on model segmentation, land use, and access for flow measurements.

POTOMAC WATER QUALITY MONITORING STATIONS - YEAR 2