


Bacteria TMDL Monitoring

Other states are using alternate indicators to address TMDLs. In Maryland, alternate indicators are being used to assist in identifying non-point source pollution and to determine bacterial loadings. Alternate indicators have also been used successfully in Virginia as a component of a TMDL and are being made a component of routine water quality monitoring. Similarly, New Jersey is applying these alternate indicators to develop more meaningful microbial TMDLs. In 2004, for example, the BFBM and BMWB jointly began a statewide bacterial source trackdown study for the Department's TMDL program, using the RNA Coliphage and MAR indicators in addition to the more traditional bacterial indicators. During 2004 and 2005, 152 sites were sampled statewide as part of this study. In 2006 and 2007 an additional 69 sites will be sampled.


New Jersey's Bacterial TMDL Study 2005

WATERSHED MANAGEMENT AREAS

1. Upper Delaware
2. Wallkill
3. Pompton, Wanaque, Ramapo
4. Lower Passaic and Saddle
5. Hackensack and Pascack
6. Upper Passaic, Whippany and Rockaway
7. Arthur Kill
8. North and South Branch Raritan
9. Lower Raritan, South River and Lawrence
10. Millstone
11. Central Delaware
12. Monmouth
13. Barnegat Bay
14. Mullica
15. Great Egg Harbor
16. Cape May
17. Maurice, Salem and Cohansey
18. Lower Delaware
19. Rancocas
20. Assiscunk, Crosswicks and Doctors

 Bacterial TMDL Site

 Watershed Management Area

 Major River/Stream



New Jersey Department of Environmental Protection
Land Use Management
Water Monitoring and Standards
Bureau of Freshwater and Biological Monitoring