



October 21, 2016

World Water Monitoring Day Celebration

hosted by the Pinelands Commission



Staff from Water Monitoring and Standards participated in the World Water Monitoring Day Celebration, hosted by the Pinelands Commission, at Batsto Lake in Wharton State Forest on October 21, 2016.

Students from Attales Middle School, Doane Academy, Florence High School, Hammonton Middle School, and Pinelands Jr. High School participated in the event.



Freshwater & Biological Monitoring staff help students identify bugs (benthic macroinvertebrates) found in Batsto Lake as well as explain how different bugs are indicators of water quality.



Physical/Chemical monitoring is another way of determining water quality. Freshwater & Biological Monitoring staff demonstrate the different meters, probes and instruments used to take readings as well as explain what the numbers and information mean in terms of chemical water quality.



In addition to bugs, fish also tell the story of biological water quality by their abundance and diversity. Freshwater & Biological Monitoring staff showcase local fish as well as explain which fish indicate what type of water quality.





Looking at fish tissue also gives us information on the quality of the water. Freshwater & Biological Monitoring staff show students that fish accumulate contaminants in their tissue, so by taking fish tissue samples it helps ascertain the quality of the water.

Marine Water Monitoring staff describe the different coastal monitoring programs as well as explain how Pinelands waters drain to the coast and affect marine waterquality. In addition, various sea creatures, caught off the NJ coast, were showcased as part of an interactive display.

