

**Delaware River American Shad Hydroacoustic Monitoring Report at Route 202 Bridge
3/29 – 4/04/04**

Delaware River Conditions

- Discharge: At the beginning of the monitoring period on 29 March river discharge was increasing and over 14,800 cubic feet per second. Flows continued to increase, peaking at nearly 17,800 cfs on 3 April, and then decreased to approximately 17,100 cfs on 4 April.
- Temperature: Water temperature was just below 52°F on 29 March. Over the following 6 days temperatures steadily decreased to below 48°F by 4 April, which corresponded with a decrease in ambient air temperatures in the northeast US.

Shad School Observations

Data auditing and target verification conducted on data collected from 29 March to 4 April 2004.

- Setup 1: No shad observations in span 1 during monitoring period.
- Setup 2: Targets detected only in span 3 on 29 March and 1 April. Note: schools small and individuals not tightly packed.
- Setup 3: No shad observations in spans 4 or 5 during monitoring period.

Additional Notes

The American shad schools observed thus far, 3/12 through 4/4/04, consist of hundreds of fish, not thousands.