

Delaware River American Shad Hydroacoustic Report at Route 202 Bridge 3/12 – 3/28/04

Delaware River Conditions

- Discharge: River discharge was over 18,000 cubic feet per second when sampling started on 12 March. Flows slowly declined to below 14,000 cfs from 16 to 20 March, and then increased to above 14,000 cfs on 21 March. River discharge was over 14,000 cfs on 22 March. Flows then slowly declined to below 12,500 cfs by 25 to 26 March, and then increased to above 13,500 cfs by 28 March.
- Temperature: Water temperature was approximately 41°F when sampling started on 12 March. Temperatures dropped to approximately 39°F on 17 March, and then climbed steadily to over 43°F by 21 March. Water temperature was approximately at or below 43 °F from 22 to 24 March. Temperatures then increased ever day after, climbing steadily to nearly 50°F by 28 March.

American Shad School Observations

- Setup 1: No shad observations in span 1 during monitoring period.
- Setup 2: Targets detected in span 2 on 16, 18, and 19 March. Targets detected in span 3 on 16, 18, and 25 March. Note: schools small and individuals not tightly packed.
- Setup 3: Targets detected in both spans 4 and 5 on 16 March. Targets detected only in span 5 on 27 March. Note: schools small and individuals not tightly packed.

Note : Span 1 is on the PA side, Span 5 on the NJ side.