

**Delaware River American Shad Hydroacoustic Monitoring Report at Route 202 Bridge**  
**4/26-5/02/2004**

**Delaware River Conditions**

Discharge: On 26 April average daily river discharge was approximately 13,600 cubic feet per second and flows were rapidly increasing. Over the following 2 days discharge continued to increase, peaking at nearly 21,900 cfs on 28 April. Then over the following 4 days average river discharge declined steadily, waning below 14,400 cfs by 2 May.

Temperature: On 26 April mean water temperature was approximately 57°F and declining. Over the following 2 days temperature decreased slightly each day, waning to approximately 55°F on 28 April. Then over the next 4 days average daily river temperature increased each day, peaking at over 62°F by 2 May.

**Shad School Observations**

Data auditing and target verification conducted on data collected from 26 April to 02 May 2004.

Setup 1: No shad observations in span 1 during monitoring period.

Setup 2: No shad observations in span 2 during monitoring period. Schools detected in span 3 on 26 and 27 April.

Setup 3: Schools detected in span 4 on 26, 27 and 28 April, and in span 5 only on 26 April.

**Additional notes :** Highest daily shad passage during monitoring period appears to have occurred on 26 April. Total American shad numbers for the entire monitoring period were estimated at approximately 5000 fish.