

**Delaware River American Shad Hydroacoustic Monitoring Report at Route 202 Bridge  
4/19-4/25/2004**

**Delaware River Conditions**

- Discharge: On 19 April average daily river discharge was approximately 15,800 cubic feet per second and flows were steadily declining. Over the following 5 days discharge continued to decrease, waning below 12,000 cfs by 24 April. Then on 25 April average river discharge increased again slightly to approximately 12,600 cfs.
- Temperature: On 19 April mean water temperature was approximately 57°F. Over the following 4 days temperature increased each day, reaching nearly 63°F on 23 April. Then over the next 2 days average daily river temperature decreased each day, declining to approximately 55°F by 25 April.

**Shad School Observations**

Data auditing and target verification conducted on data collected from 19 April to 25 April 2004.

- Setup 1: No shad observations in span 1 during monitoring period.
- Setup 2: Schools detected in span 2 on 23 April, and in span 3 on 19, 20, 21, 24, and 25 April.
- Setup 3: Schools detected in span 4 on 19, 20, 21, 22, and 24 April. No shad observations in span 5 during monitoring period.

**Additional notes :** Highest daily shad passage during monitoring period appears to have occurred on 24, and 25 April. Shad passage for the week could be 10,000 or more.