

Susquehanna River Anadromous Fish Restoration Cooperative



Summary of 2021 PFBC Activities



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Anadromous Fish Restoration Unit
12/7/2021

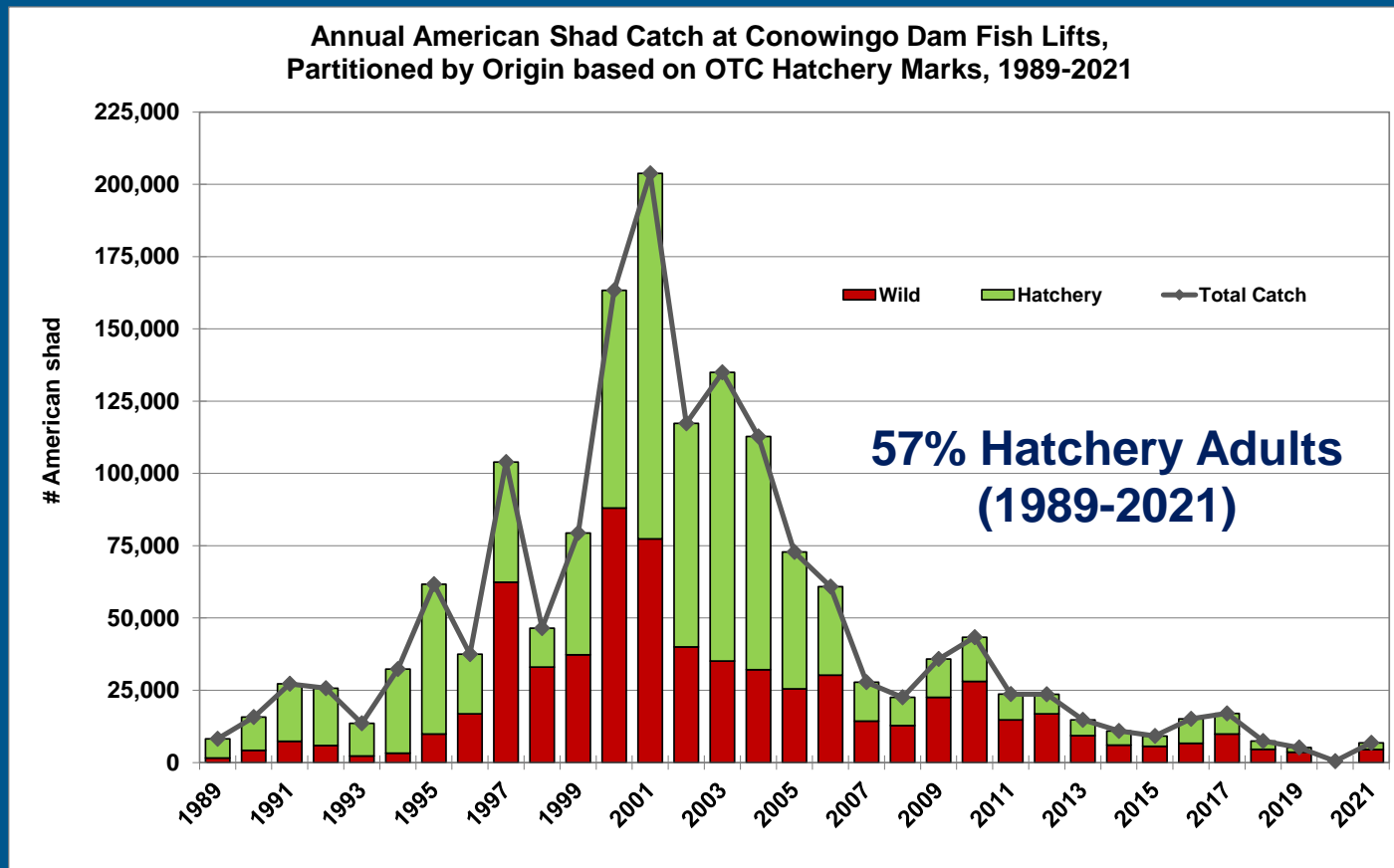
Mission: To protect, conserve, and enhance the Commonwealth's aquatic resources and provide fishing and boating opportunities

2021 Biomonitoring - Adults

- Conowingo Lift Samples
 - 192 adult shad
 - 136 random sacrifices, 56 Morts (42 hold, 10 lift, 4 transport)
 - 13 adult Blueback Herring & 14 adult Alewife
- Preliminary OTC Analysis Results (Shad only)
 - 35% Hatchery & 65% Wild
 - Currently verifying tag sequences



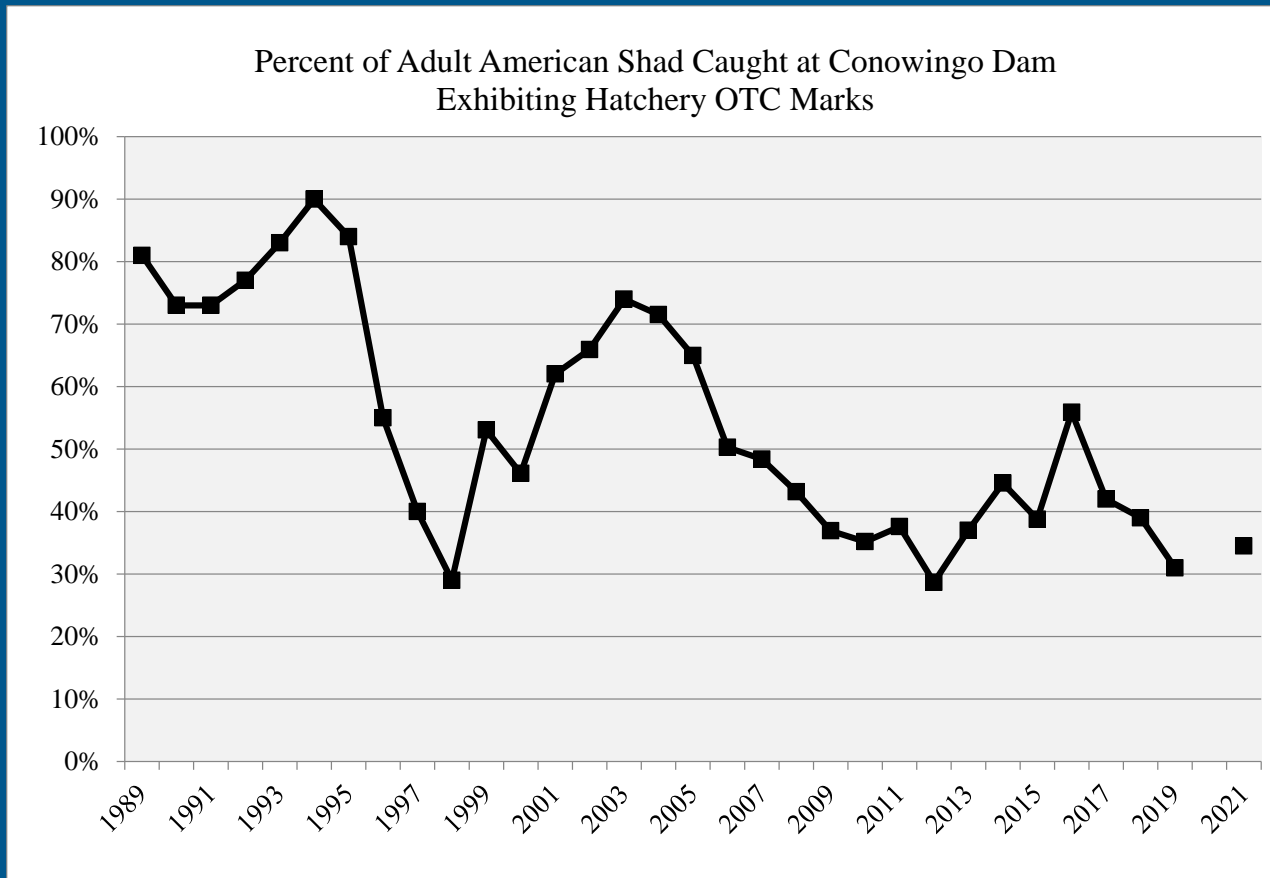
2021 Biomonitoring - Adults



488 Fry to return 1 adult (1986-2013 cohorts)



2021 Biomonitoring - Adults

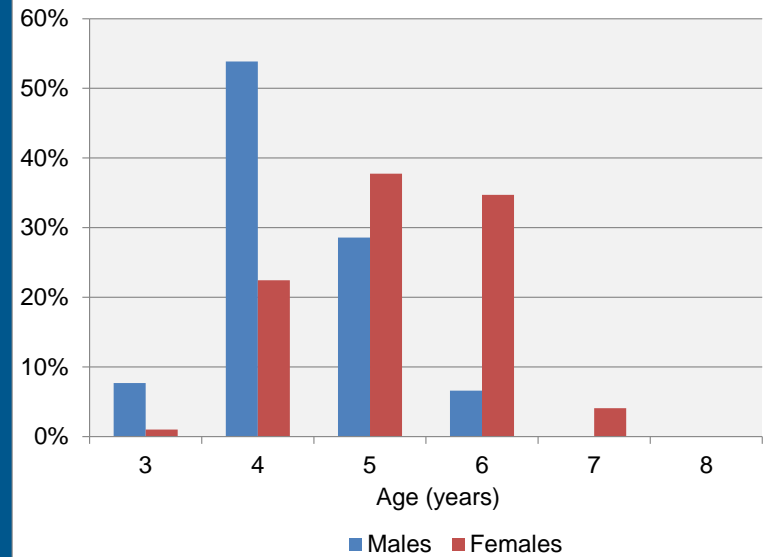


2021 Biomonitoring - Adults

Mean Age (otolith) of Lift Captured AMS, Conowingo Dam, 1995-2021

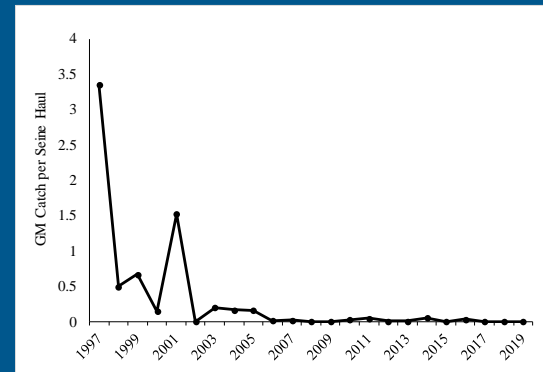


Age Frequency (otoliths) of Lift Captured AMS, Conowingo Dam, 2021



2021 Biomonitoring – Juveniles

- Haul Seine Survey (PFBC):
 - Migration timing, abundance, hatchery evaluation
 - 3 events completed
 - 8/31, 9/15, 9/22
 - No YOY recovered
 - Juvenile abundance depressed
- SRBC capture (reproduction!)
- Strainer Screen Samples?



Ongoing Activities

- Review & proof OTC tag analysis, otolith aging
- **Scale interpretation (age & repeat spawning)**
- Planning for 2022 hatchery & monitoring
 - Hiring & training new staff
 - PFBC-US FWS egg collection contract, 2022-2024
- **Reporting obligations to NOAA & ASMFC**

