

Susquehanna River Anadromous Fish Restoration Cooperative



Summary of PFBC's Activities in 2023



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

Outline

- Hatchery Operations
- Biomonitoring
- Plans for 2024



Van Dyke Hatchery - Overview

- Seasonal facility since 1976 (April–June)
- Research culture & tagging techniques
- Intensive Fish Culture
- Normal Staff: (1) Fisheries Biologist, (5) Wage



Photo: CBP

2023 Hatchery Operations - Eggs

- **Potomac River – USFWS Strip Spawn**

- Collections 4/27 - 5/16, 9 shipments (3.8 million eggs), 31.6% live
- Contract collection thru 2024

- **Delaware River – PFBC Strip Spawn**

- No Collections in 2023



- **Susquehanna River**

- Tank spawning discontinued
- No plans to restart



2023 Hatchery Operations – Egg Shipments

2023 American Shad Egg Shipment Summary

Shipment No.	Egg Source	Date Spawmed	Date Received	Egg Vol (L)	Eggs (#)	Viable Eggs (#)	% Viable	Initial Mean # eggs/L
1	Potomac	4/27/23	4/28/23	10.3	712,564	65,867	9.2%	69,181
2	Potomac	5/2/23	5/5/23	3.0	98,831	88,916	90.0%	32,944
3	Potomac	5/4/23	5/5/23	3.7	132,720	80,693	60.8%	35,870
4	Potomac	5/8/23	5/9/23	10.0	397,660	200,667	50.5%	39,766
5	Potomac	5/9/23	5/10/23	18.4	731,694	383,944	52.5%	39,766
6	Potomac	5/10/23	5/11/23	9.8	381,860	170,959	44.8%	38,965
7	Potomac	5/11/23	5/12/23	6.6	347,401	210,232	60.5%	52,636
8	Potomac	5/15/23	5/16/23	5.7	401,015	21,991	5.5%	70,353
9	Potomac	5/16/17	5/17/23	9.1	572,974	19,528	3.4%	62,964
Summary of all Egg Shipments				Egg Vol (L)	Total Eggs (#)	Viable Eggs (#)	Avg. % Viable	
	Source	Shipments						
	Potomac	9		76.6	3,776,719	1,242,799	32.9%	

2023 Hatchery Operations - Stocking

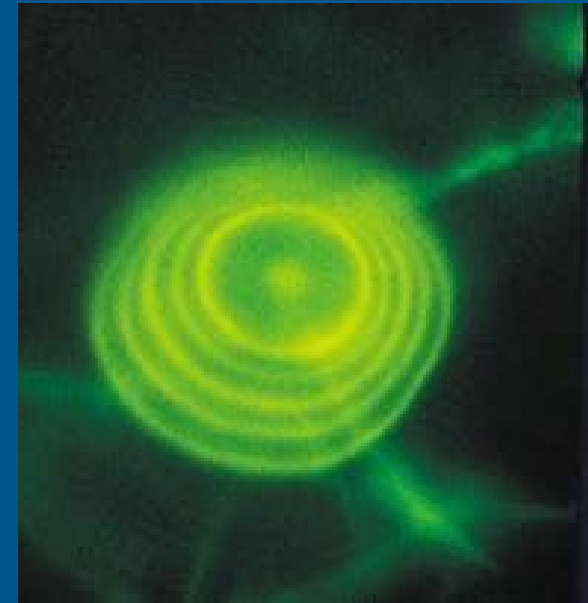
2023 American Shad Fry Stocking Information					
Stocking Date	Number Stocked	Stocking Location	OTC mark (days)	Source	Age (Days)
6/9/2023	134,823	Juniata River, Thompsontown	6	Potomac	28
6/13/2023	67,794	Juniata River, Thompsontown	6	Potomac	30
6/12/2023	186,968	Juniata River, Thompsontown	6	Potomac	27
6/15/2023	248,750	Juniata River, Thompsontown	6	Potomac	27
6/16/2023	213,158	Juniata River, Thompsontown	6	Potomac	26
6/21/2023	189,407	Juniata River, Thompsontown	6	Potomac	30
6/21/2023	37,375	Juniata River, Thompsontown	6	Potomac	27

- No out of the ordinary mortality, Hatchery Survival 86.8%



2023 Hatchery Operations - OTC

- **OTC Tag Retention, 100% ???**
 - 7 tanks w/ OTC day 6 (Juniata River)



2023 Biomonitoring

- Samples have been prepared but not looked at yet
- Daryl Pierce and Cooper Barshinger will be assisting
- Equipment will be picked up in mid-December



Future PFBC Activities

- Will continue Van Dyke operations in 2024
- Very similar to 2023 operations
- Planning to relocate hatchery operations
- PFBC's Huntsdale SFH near Carlisle, PA



Questions?