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Susquehanna River Anadromous Fish Restoration Cooperative

Summary of PFBC Activities in 2025

Coja Yamashita, Chief

Division of Aquatic Species Restoration



Overview



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- Hatchery Operations
- Biomonitoring
- Plans for 2026
- Future Plans

Van Dyke Hatchery



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- Seasonal facility since 1976 (April-June)
- Thompsettown, PA (Juniata County)
- Intensive fish culture and tagging techniques
- Normal Staff: Fisheries Biologist (1) and Wage (5)
- 2025: Wage Fisheries Technician (1) and Wage (3)
- Shad Program officially transferred to the Division of Aquatic Species Restoration (November 2025)
- Huntsdale Species Recovery Unit Leader (12/1/25)



2025 Hatchery Operations-Eggs



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- Potomac River
 - USFWS strip spawn
 - Collections
 - Start- April 16, 2025
 - End - May 7, 2025
 - 9 shipments (~5.1 million eggs)
 - 1,222,575 viable eggs (27.2%)
- Delaware River and Susquehanna River
 - No collections in 2025



2025 Hatchery Operations-Egg Shipments



2025 American Shad Egg Shipment Summary

No.	Source	Date Spawnd	Date Received	Volume (L)	Total Eggs	Viable Eggs	Percent Viable	Hatch Date	Initial Mean (# eggs/L)
1	Potomac	4/16/2025	4/17/2025	4.8	276,279	14,663	5.3%	4/23/2025	57,558
2	Potomac	4/17/2025	4/18/2025	15.3	678,802	208,498	30.7%	4/23/2025	44,366
3	Potomac	4/20/2025	4/21/2025	6.9	497,745	259,011	52.0%	4/27/2025	72,137
4	Potomac	4/21/2025	4/22/2025	11.7	662,453	355,243	53.6%	4/28/2025	56,620
5	Potomac	4/27/2025	4/28/2025	8.8	588,501	214,309	36.4%	5/4/2025	66,875
6	Potomac	4/28/2025	4/29/2025	6.6	380,465	153,804	40.4%	5/5/2025	57,646
7	Potomac	4/30/2025	5/1/2025	9.2	755,872	28,110	3.7%	Discarded	82,160
8	Potomac	5/1/2025	5/2/2025	10.0	895,636	0	0.0%	Discarded	89,564
9	Potomac	5/7/2025	5/7/2025	4.7	427,492	3,600	0.8%	Discarded	90,956
Total				78	5,163,245	1,222,575	27.2%		

2025 Hatchery Operations-Fry Stocking



2025 American Shad Fry Stocking Information

<u>Date</u>	<u>Number Stocked</u>	<u>Stocking Location</u>	<u>OTC Mark (days)</u>	<u>Source</u>	<u>Age (days)</u>
5/27/2025	213,309	Juniata River, Muskrat Springs	15	Potomac	32
6/4/2025	242,782	Juniata River, Muskrat Springs	15	Potomac	39
6/6/2025	497,468	Juniata River, Thompsontown	15	Potomac	40/30
6/6/2025	137,564	Juniata River, Thompsontown	15	Potomac	29

Total	1,091,122
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Hatchery Survival	90.51%
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Adult Biomonitoring 2025



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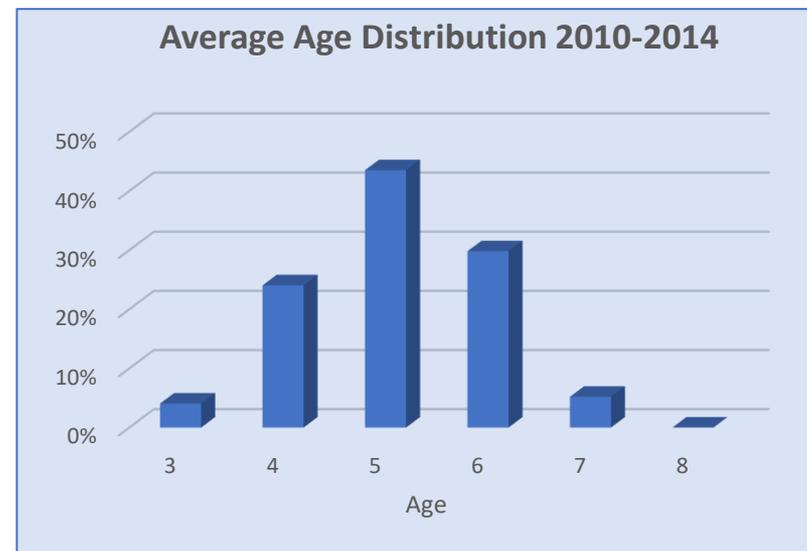
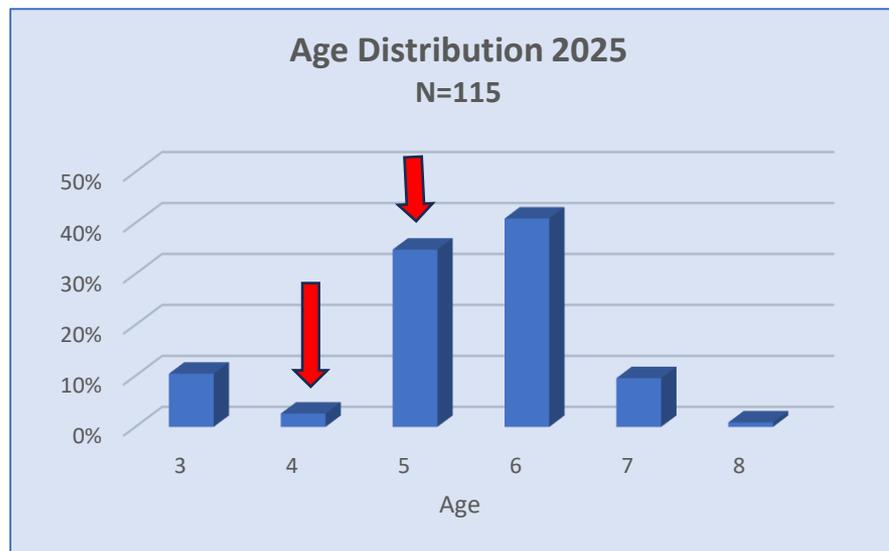
% Hatchery	% Male	%Female	Repeat Spawners	Total
27.82%	43.47%	56.53%	12.17%	115
32	50	65	14	



2025 Age Distribution



Age	Year Class	Number	% Hatchery	% Wild
3	2022	12	100.0%	0.0%
4	2021	3	0.0%	100.0%
5	2020	39	0.0%	100.0%
6	2019	47	27.7%	72.3%
7	2018	13	53.8%	46.2%
8	2017	1	0.0%	100.0%



2026 Propagation Plans



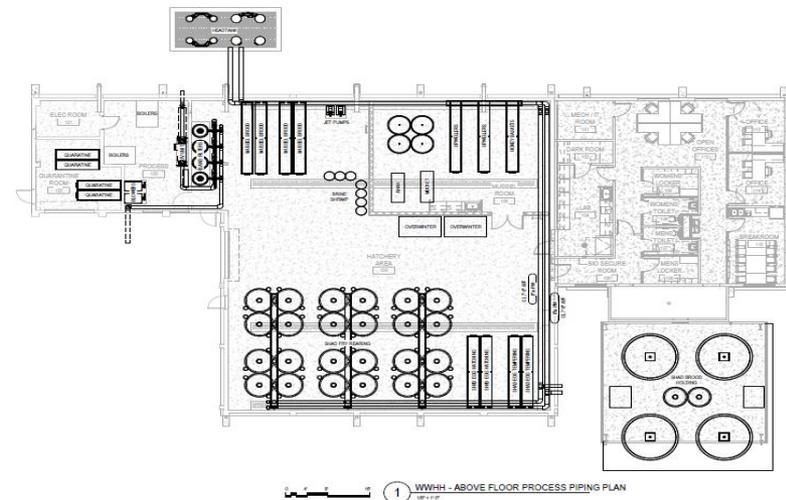
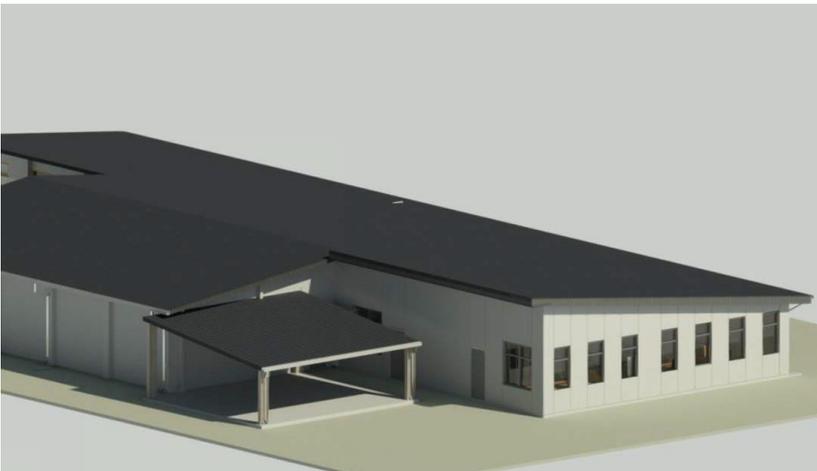
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- Continue hatchery operations at Van Dyke
 - Wage staff will return early March 2026
- Unit Leader, 3 seasonal Fisheries Biologist Aids
- Production will continue at a reduced rate
- Secured funding for egg collection
- Egg source is uncertain at this time



Future Plans

- Huntsdale Aquatic Conservation Center
- Completion is scheduled for fall of 2028, first shad spring 2029
- Tank spawning facility
- Other production will include Chesapeake Logperch and Freshwater mussels
- 3 full time Fisheries Biologist and seasonal Fisheries Biologist Aids



Questions ?



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