



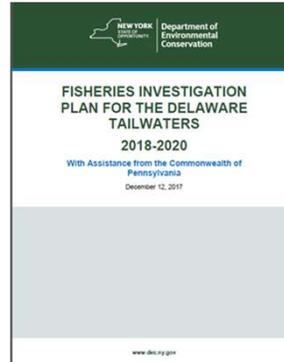
Department of
Environmental
Conservation

Tailwaters Studies Summary

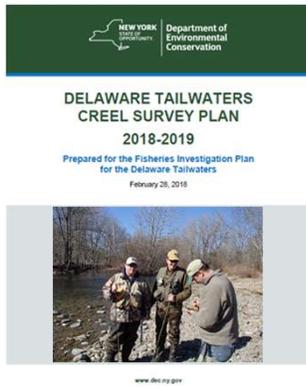
Joint Fisheries Investigation Plan (JFIP)
NY & PA

Approach

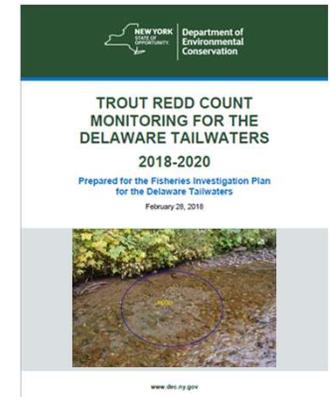
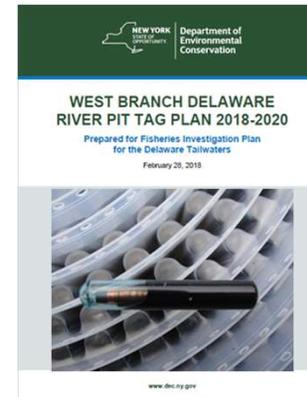
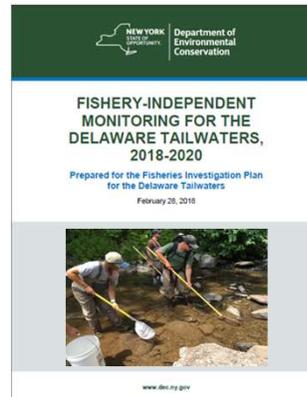
<http://www.dec.ny.gov/outdoor/112782.html>



ANGLERS



FISH





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Timothy Pokorny
NYSDEC Coldwater Fisheries Biologist
Region 4 – Stamford, NY



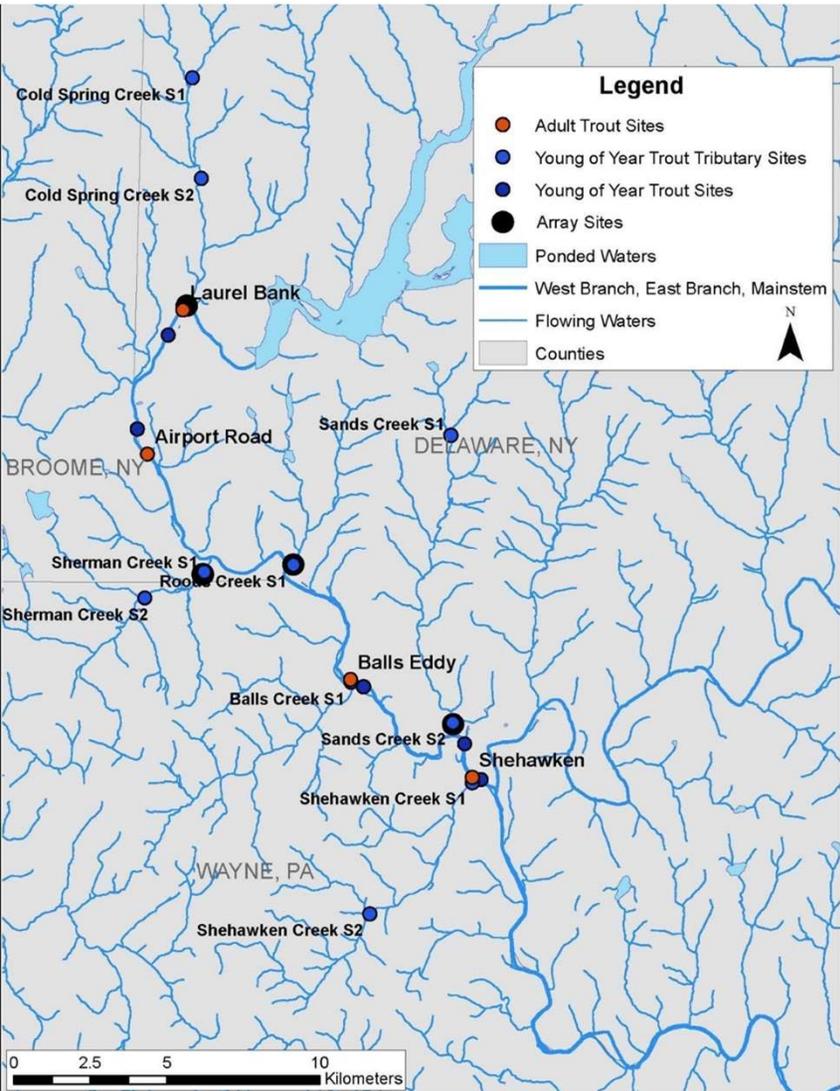


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Daryl Pierce

Pennsylvania Fish & Boat Commission
Area 5 Biologist/Manager
Bushkill, PA

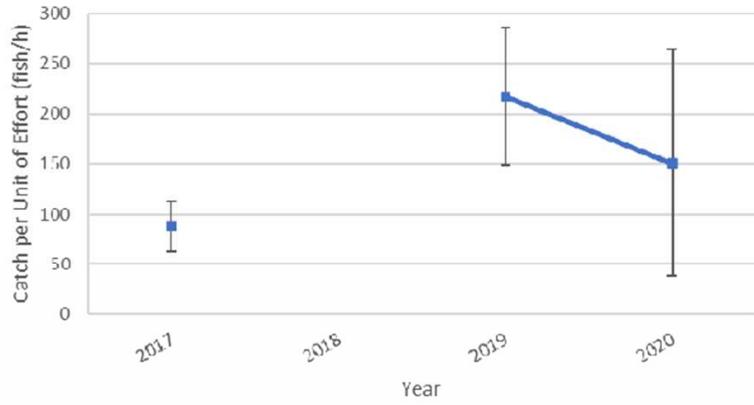




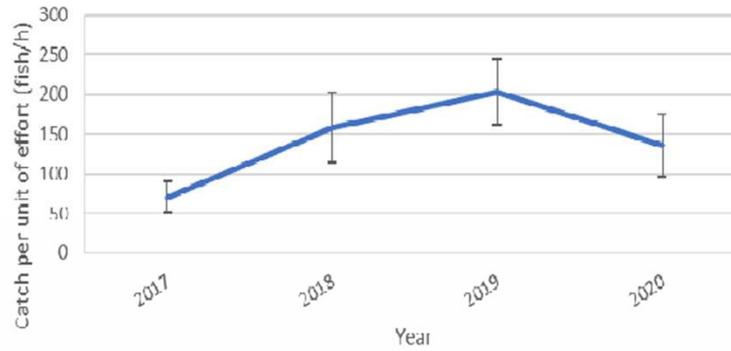
JFIP Electrofishing



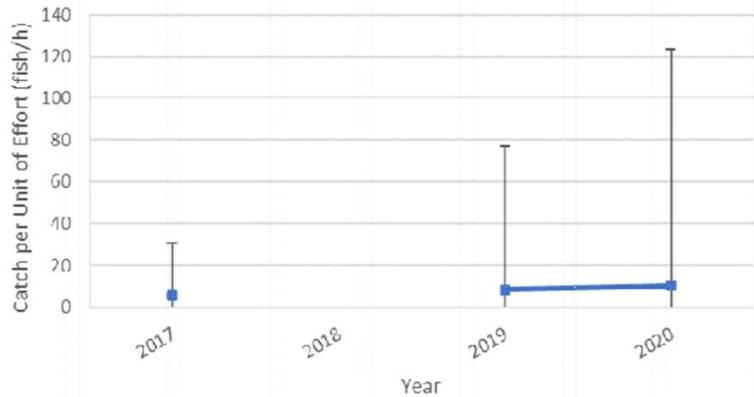
Brown Trout, West Branch Delaware River



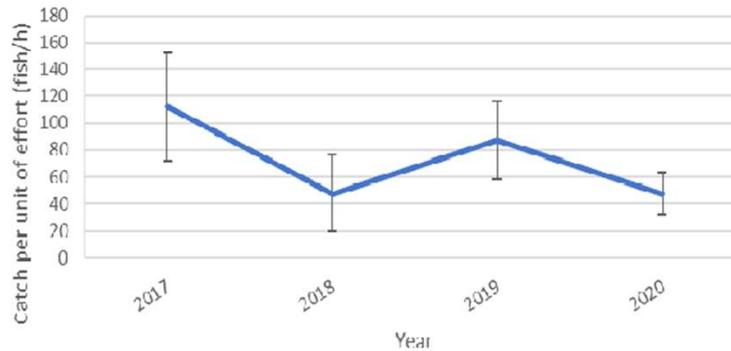
Brown Trout, Selected Tributaries to the West Branch Delaware River



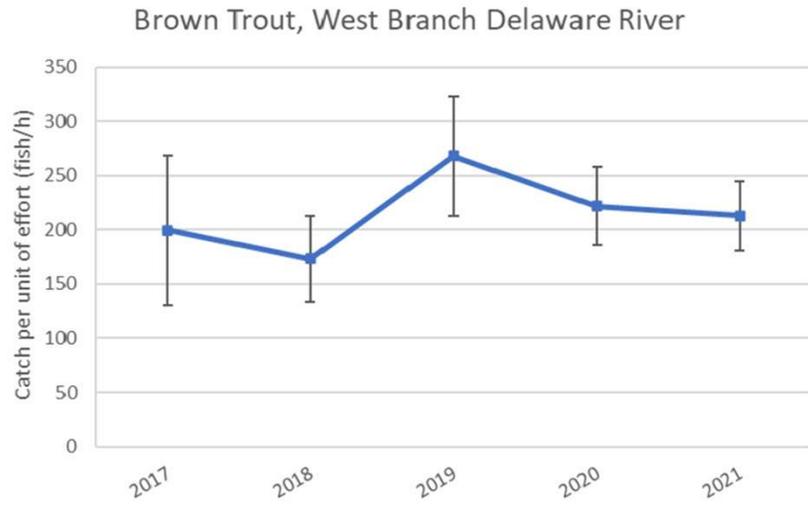
Rainbow Trout, West Branch Delaware River



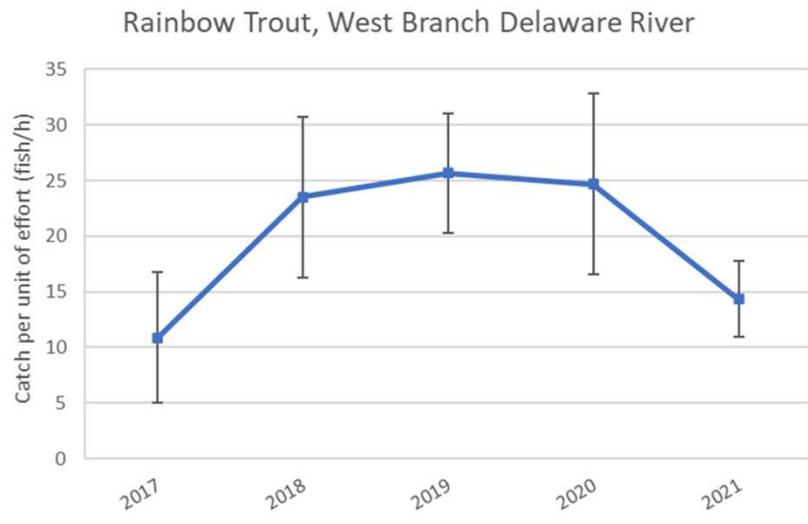
Rainbow Trout, Selected Tributaries to the West Branch Delaware River

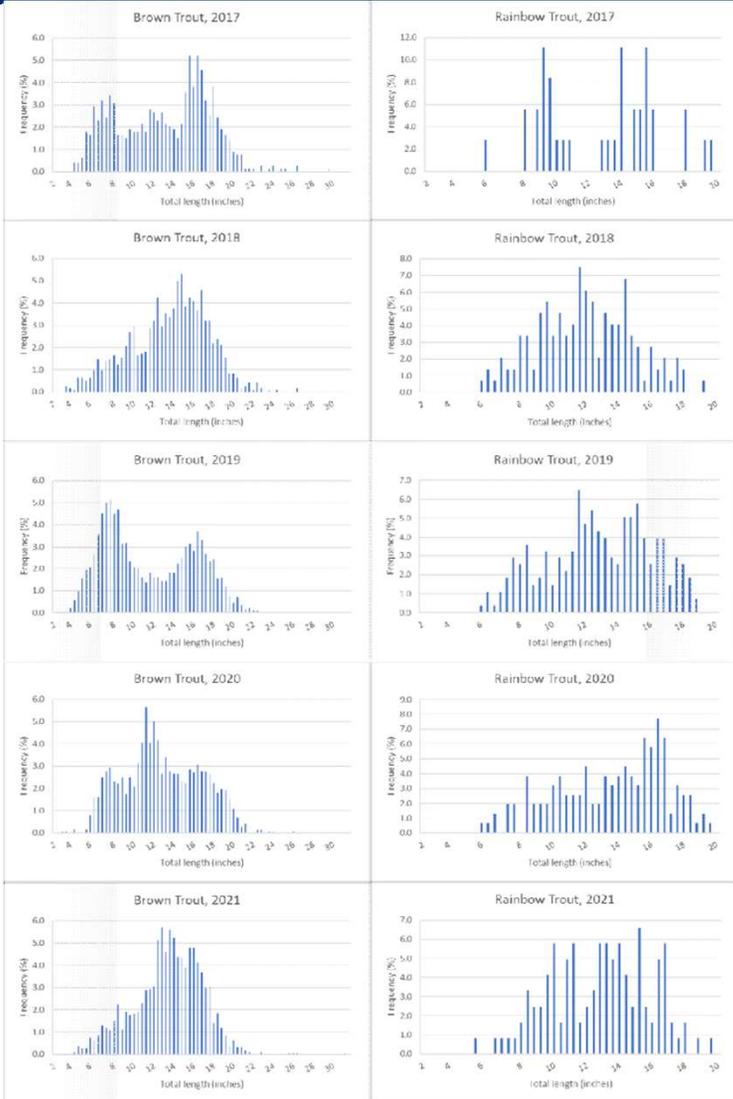


Young-of-the-year brown trout and rainbow trout collected from five West Branch sampling locations and nine sampling locations on tributaries to the West Branch, 2017 to 2020



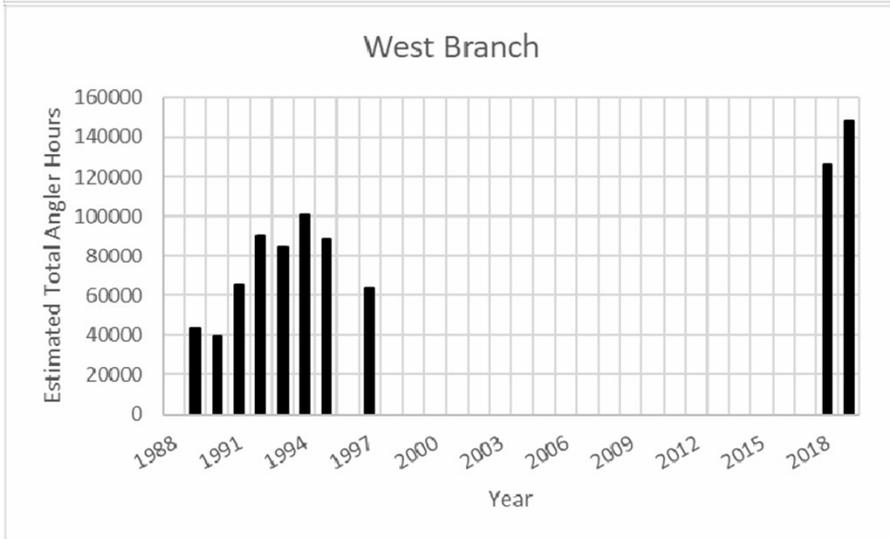
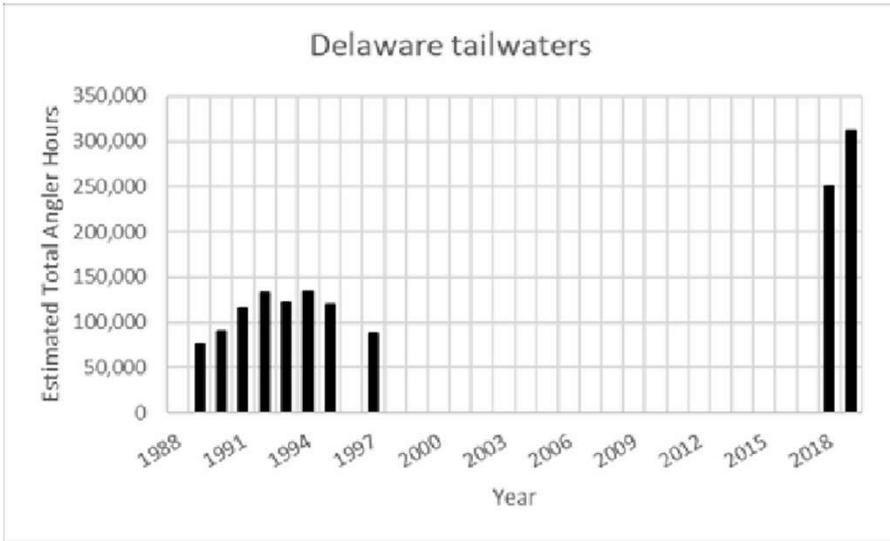
Adult sized brown trout and rainbow trout from the nighttime boat electrofishing in the West Branch, 2017 to 2021.



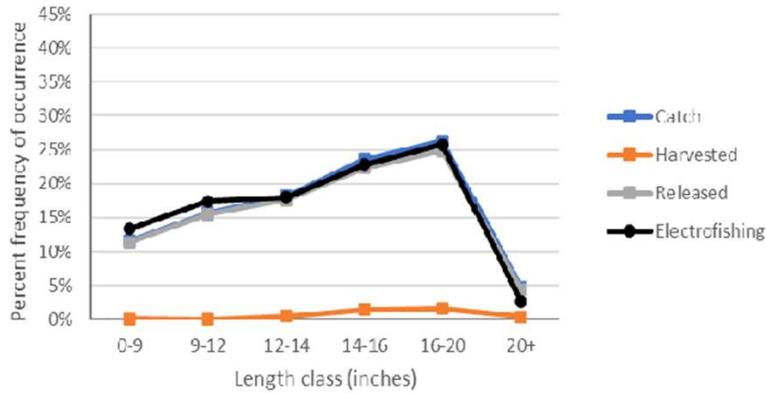


Size distribution of brown trout and rainbow trout captured from the nighttime boat electrofishing in the West Branch, 2017 to 2021.

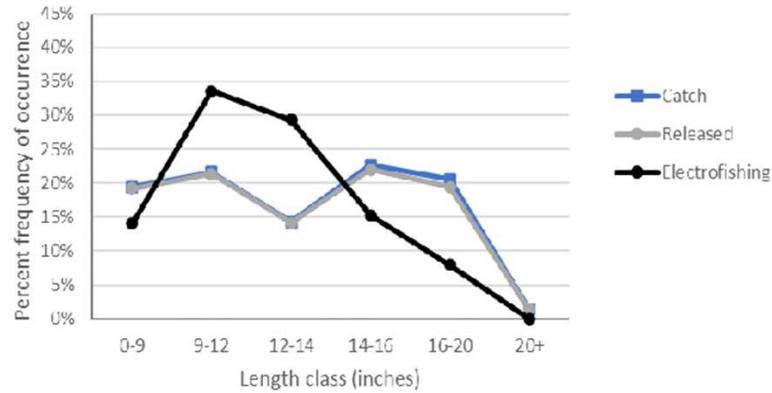
Estimated angler hours (N) within the Delaware tailwaters and the West Branch for 2018 and 2019 survey years compared to historical estimations from the 1990's Delaware tailwaters fishery.



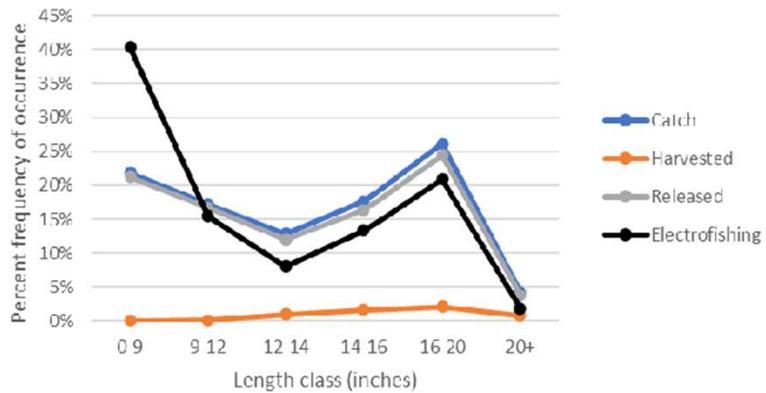
Brown Trout, 2018



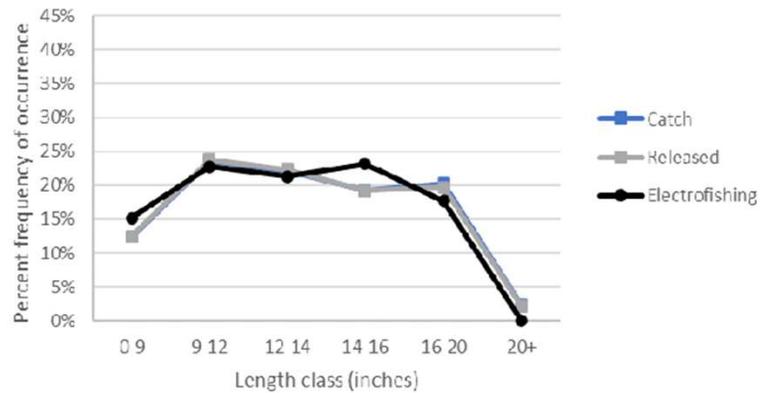
Rainbow Trout, 2018



Brown Trout, 2019

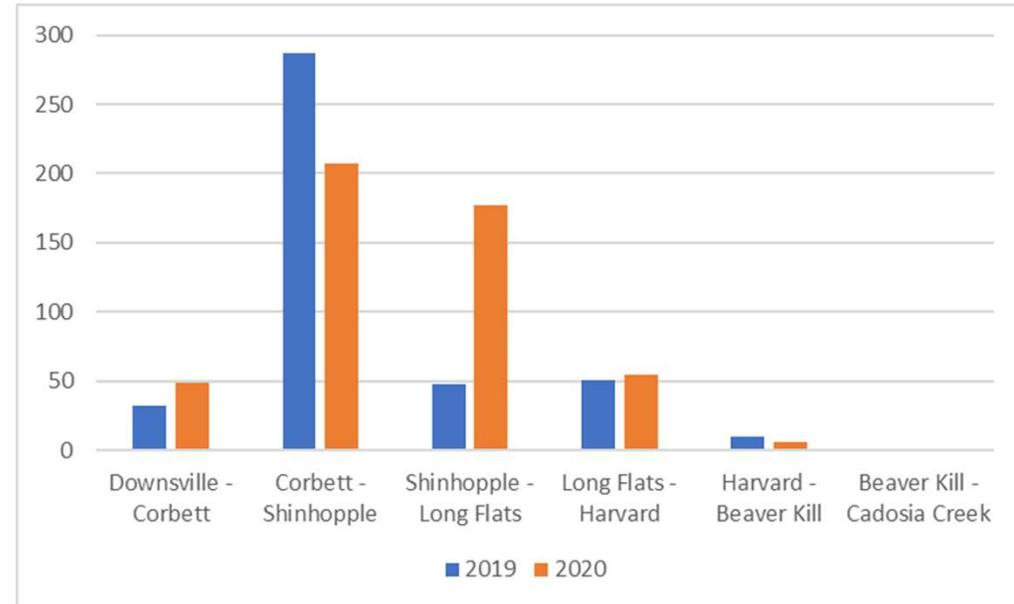
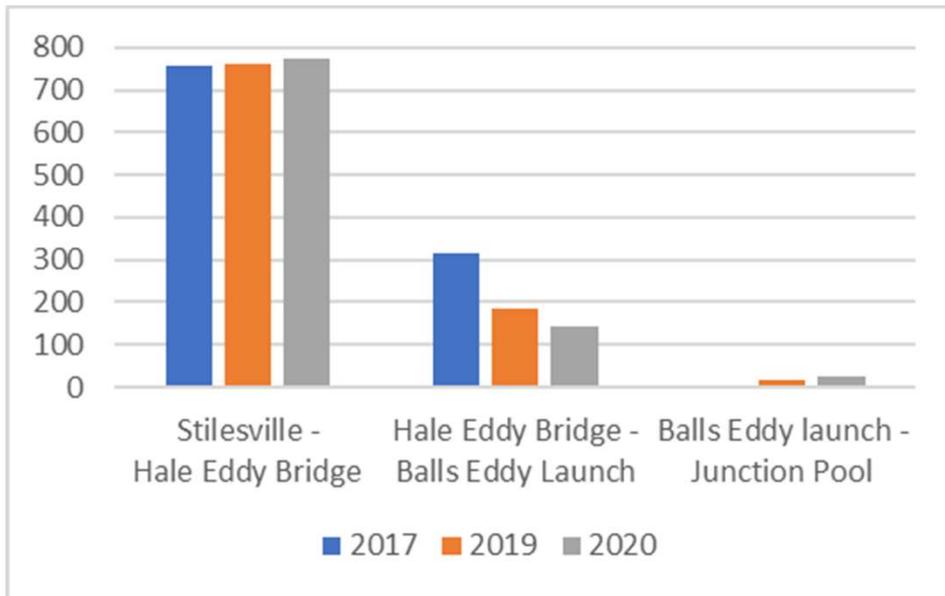


Rainbow Trout, 2019



Length class distribution (inches) of brown trout and rainbow trout for released (gray line), harvested (orange line) and total catch (blue line) for the estimated total catch from the Delaware tailwaters (i.e., East and West branches and Delaware River, combined).

Redd Counts: West and East Branches



Summary Statements

- Brown Trout populations abundant and stable in West Branch for adults and YOY
- Rainbow Trout populations low and stable in West Branch for adults and YOY
- The size distribution of both Brown and Rainbow Trout shows a high percent of fish in the 12-18” range
- Creel data shows that effort has doubled in comparison to fishing effort in the 1990s
- Comparisons between length distribution from creel and electrofishing data are very similar: validating utility of electrofishing data to assess fishery
- Spawning occurring in both East and West Branches at high rates