

Report of PFBC Activities Related to Growing Greener II (Updated March 2012)

In July 2005, the Pennsylvania Fish and Boat Commission joined the rest of the Commonwealth in hailing the enactment Growing Greener II, a voter-approved plan that invests \$625 million in environmental programs. Included in this legislation is an allotment of \$27.5 million for state facilities and lands managed by the Commission. The Commission approved the use of Growing Greener II funds for critical infrastructure upgrades at Commonwealth-owned fish hatcheries and dams.

Tylersville State Fish Hatchery: This effluent treatment and infrastructure improvement project incorporates the latest aquaculture effluent treatment technology into the hatchery. This effluent upgrade project includes the installation of a high flow capacity microscreen filter system for total hatchery flow, incidental utility and site repairs, and emergency power backup.

The project cost \$1,762,741.14 and is complete.

TYLERSVILLE STATS

- **Originally Constructed:** 1963 by the United States Fish and Wildlife Service
- **Employees:** 9 full-time, 3 wage/seasonal
- **Average Trout Production:** 372,782 lbs.

Pleasant Gap State Fish Hatchery: This effluent treatment and infrastructure improvement project includes the installation of a high flow capacity microscreen filter system for total hatchery flow. Other improvements include a partial recirculation and disinfection system, off-line aerated sludge storage tank, incidental utility and site repairs, and power backup.

The project cost \$1,511,640.03 and is complete.

PLEASANT GAP STATS

- **Originally Constructed:** 1903
- **Employees:** 10 full-time, 2 wage/seasonal
- **Average Trout Production:** 256,164 lbs.

Bellefonte State Fish Hatchery: This effluent treatment and infrastructure improvement includes the installation of a high flow capacity microscreen filter system for total hatchery flow. Improvements include hatchery water source pretreatment, exploration for water augmentation and/or partial recirculation and disinfection system, filtration and disinfection of the hatch house, raceway repairs, incidental utility and site repairs, and emergency power backup.

The project cost \$3,557,885.49 and is complete as of November 30, 2010.

BELLEFONTE STATS

- **Originally Constructed:** 1933
- **Employees:** 10 full-time, 1 wage/seasonal
- **Average Trout Production:** 338,918 lbs.

Benner Spring State Fish Hatchery: This effluent treatment and infrastructure improvement project includes the installation of a high flow capacity microscreen filter system for total hatchery flow. Improvements include water source pretreatment, partial recirculation and disinfection system, off-line aerated sludge storage tank, filtration and disinfection of the hatch house, cool/warm water rearing unit repairs, utility and site repairs, and power backup.

The project cost \$3,834,986.70 and is complete as of November 30, 2010.

BENNER SPRING STATS

- **Originally Constructed:** 1952
- **Employees:** 11 full-time, 2 wage/seasonal
- **Average Trout Production:** 336,366 lbs.
- **Also Produces:** purebred muskellunge, tiger muskellunge, walleye

Huntsdale State Fish Hatchery: This effluent treatment and infrastructure improvement project includes the installation of a high flow capacity microscreen filter system for total hatchery flow. Improvements include filtration and disinfection of the hatch house, aeration/degassing of spring water, cool/warm water rearing unit improvements, new domestic sewage treatment facility, incidental utility and site repairs and emergency power backup.

The project cost \$4,935,261.81 and is complete as of November 30, 2010.

HUNTSDALE STATS

- **Originally Constructed:** 1932
- **Employees:** 10 full-time, 3 wage/seasonal
- **Average Trout Production:** 461,280 lbs.

Corry State Fish Hatchery: This improvement project includes the final development of a new water supply well, installation of 6,700 feet of transmission pipeline from the well to the hatchery, upgrade of the alarm system and the installation of a new emergency power backup system. In addition, a hydrogeological study will be undertaken to site and potentially develop an additional well. The waterline and water source improvements are being funded by the Fish and Boat Commission and are estimated to cost \$1 million. A new emergency generator system has been installed, a hydrogeological study was completed, and a new alarm system has been completed.

CORRY STATS

- **Originally Constructed:** 1876
- **Employees:** 6 full-time, 2 wage/seasonal
- **Average Trout Production:** 145,851 lbs.

Growing Greener 2 expenditures for these elements of the project were \$310,092.43.

Reynoldsdale State Fish Hatchery: This improvement project will completely modernize the hatchery to bring it up to par with current in fish propagation technology. This project will include replacing all of the antiquated earthen raceways with new flow-through raceways, installation of a modern oxygen supplementation system, a partial ultraviolet disinfection and recirculation system, new high capacity microscreen filtration, clarifier and sludge storage system and a new emergency power backup. This project is currently in the pre-design phase by a consultant and the estimated cost of the project is \$7.5 million.

REYNOLDSDALE STATS

- **Originally Constructed:** 1928
- **Employees:** 7 full-time, 2 wage/seasonal
- **Average Trout Production:** 161,932 lbs.

To date, \$471,857.52 has been expended to design the new facilities.

Linesville State Fish Hatchery: This improvement project involves major upgrades to this coolwater/warmwater facility to include reconstruction/reconfiguration of numerous ponds including installation of impervious linings, new outlet and harvest structures, additional settling ponds, reservoir water pretreatment, hatch house filtration and emergency power backup system. Due to limited Growing Greener II funding, this project has been put on hold. The estimated cost of the project is \$2.87 million.

LINESVILLE STATS

- **Originally Constructed:** 1939
- **Employees:** 8 full-time, 2 wage/seasonal
- **Produces:** steelhead trout, crappie, bluegill, channel catfish, fathead minnow, largemouth bass, paddlefish, purebred muskellunge, redear sunfish, smallmouth bass, tiger muskellunge, walleye, yellow perch

To date, \$39,886.49 has been expended to make much needed well repairs, silo tank valve replacements, 12” pond pipelines, and alarm system upgrades.

Union City State Fish Hatchery: This infrastructure improvement project will include the development of additional wells, installation of heat exchangers, pond consolidation/reconfiguration, installation of impervious liners, alarm system upgrades, modern effluent treatment for hatch house, general electrical upgrades and installation of an emergency power backup system. Due to limited Growing Greener II funding, this project has been put on hold. The estimated cost of the project is approximately \$1 million.

UNION CITY STATS

- **Originally Constructed:** 1905
- **Employees:** 4 full-time, 1 wage/seasonal
- **Produces:** fathead minnow, northern pike, purebred muskellunge, sauger, saugeye, tiger muskellunge

To date, \$78,322.56 has been expended to install a new heater system for the hatchery building.

Miscellaneous/Small Hatchery Related Projects

Small infrastructure related improvement project were completed at four state fish culture stations:

Fairview – Installed new trash pump, alarm system and repaired intake device from Trout Run intake and upgraded steelhead collection area, total expenditures \$37,734.28.

Pleasant Mount - Replaced intake and pipeline for hatchery water supply system from river source to head –end of hatchery, total expenditures \$53,653.43.

Tionesta – Constructed new generator building and installed generator, replaced pond system fill line, and upgraded hatchery alarm system, total expenditures \$106,677.39.

Oswayo – Designed pipeline, generator building and alarm system, total expenditures \$4,749.11.

Leaser Lake: Project includes major upgrades to the spillway and work to stop seepage through the dam's earthen walls at the 117-acre property. The cost of the project is estimated at \$3.8 million, with funds being made through a number of

sources, including \$1.8 million through the state's capital budget, \$750,000 from the Department of Conservation and Natural Resources' Community Conservation Partnerships Program, \$500,000 from Lehigh County and \$500,000 from Lehigh County's Growing Greener funds through the Department of Environmental Protection. *Due to better than expected construction costs, the Fish and Boat Commission has been able to reduce its commitment of Growing greener II funds for this project and will redirect the originally pledged amount of \$1.75 to repair two or more High-Hazard dams. These funds will now be directed toward making much needed safety upgrades at the Commission's Belmont Lake dam and Lower Woods Pond dam in Wayne County, and if funding is available, to its Kahle Lake dam in Venango County.*

Opossum Lake: Project includes major upgrades to the spillway and work to stop seepage through the dam's earthen walls at the 59-acre lake. The impoundment is the centerpiece of a key recreational facility located in Cumberland County that is owned by the Commonwealth and managed by the Fish and Boat Commission. Funding for the project is being made available through a number of partners, including \$100,000 from Lower Frankford Township, Growing Greener II initiative funds of \$610,000 from Cumberland County and \$1.25 million from the Pennsylvania Fish and Boat Commission, in addition to the \$1.5 million grant through the state's capital budget. The cost of the project is estimated at \$3.4 million.