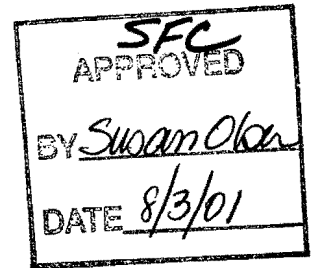


Final Report

Susquehanna River Anadromous Fish
Restoration Coordination, Phase VI



August 1, 1999 to September 30, 2000

NOAA Award Number NA96FU0317

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Consultation and Grant Program for Fish Passage and Habitat Restoration that was distributed to over 200 owners of blockages to fish migration in the Susquehanna Basin.

Fish Passage Projects

York Haven Dam

Pennsylvania accomplished its 10-year Chesapeake Bay Program fish passage goal with the completion of fish passage facilities at York Haven Dam. The fishway provides access to over 400 miles of main stem habitat for American shad and other migratory fishes. A dedication ceremony for the opening of the fishway was held on June 1, 2000. Numerous dignitaries were present for the ceremony. In its inaugural season, the denil portion of the fishway passed approximately 5,000 American shad. Additional alosids may have passed through the open gated portion of the fishway but their numbers could not be numerated.

Fabri Dam at Sunbury, PA

Negotiations between the PFBC and PA Department of Conservation and Natural Resources regarding fish passage at the Fabri Dam continued. Several meetings were held to discuss options for fish passage including construction of a vertacle slot fishway and deflation of a bag during the migratory season. Until a formal agreement is reached, monitoring at the base of the dam will be conducted to document and quantify shad abundance and timing and duration of the spawning season. Limited sampling by electrofishing during the 2000 spawning season resulted in the capture of five adult male shad indecating that shad passing at York Haven are migrating upstream to the Fabri Dam. A resolution to fish passage at the dam will be determined based on electrofishing results and continued negotiations.

Unnamed Dam, Cocalico Creek, Lancaster County

The PFBC and Ephrata Township worked cooperatively to remove an old mill dam located on Cocalico Creek, Lancaster County. The dam was removed in May 2000. Stream bank stabilization and planting of riparian vegetation occured in July. Total project cost was approximately \$10,000. Funding for this project was provided by the Bay Program and the PFBC.

Detter's Mill Dam, W. Conewago Creek, York County

Dam removal was completed in June 2000 at a cost of approximately \$15,000. Funding for The project was provided by a grant from the Bay Program and the PFBC. The Pennsylvania State University is evaluating the post removal impacts on fish and benthic macroinvertebrate communities in Middle Creek. Funding for the biological study is being provided by the Bay Program. Edelman's Dam was the first blockage to migratory fishes on Middle Creek and its removal opened over twenty mile of spawning habitat.

Muren's Dam, S. Br. Codorus Creek, York County.

Dam removal was completed in July 2000 at a cost of approximately \$25,000. Funding for the project was provided by a grant from the PFBC and Bay Program.

Barnitz Mill Dam, Yellow Breeches Creek, Cumberland County.

The contract between the PFBC and Dickenson Township has been fully executed. Engineering design for removal of the dam is underway. Removal is anticipated for summer 2001.

Emporium Water Company Dam, Driftwood Branch, Cameron County.

The contract between the PFBC and Emporium Water Company has been fully executed. Engineering design for removal of the dam is underway. Removal is anticipated for summer 2001.

Dauphin County Parks and Recreation Dam, Spring Creek, Dauphin County.

Dam removal and riparian restoration activities were completed in summer 1999 at a total cost of approximately \$8,000. Funding for the project was provided by a grant from the PFBC and Bay Program. The dam was the first blockage to migration on Spring Creek. Spring Creek is a small tributary to the Susquehanna located in central city Harrisburg.

Route 322 Dam, Conestoga River, Lancaster County

The Pennsylvania Department of Transportation completed removal of the dam in June. The PFBC provided consultation for the project. No Bay Program funding was provided for removal of the dam.

Hershey Food Corporation Dam, Swatara Creek, Dauphin/Lebanon Counties