

The Team

HARRY S. PURSEL, INC.

Owner



\$10,000 Grant
Partners for Fish & Wildlife Program



\$10,000 Grant and Volunteer Labor
Riparian Buffer Restoration Program



NJDEP

\$215,363.18 Low Interest Loan
Dam, Lake, Stream, Flood Control,
Water Resources, and Wastewater Treatment
Project Bond Act of 2003



NJDEP Loan Co-Applicant

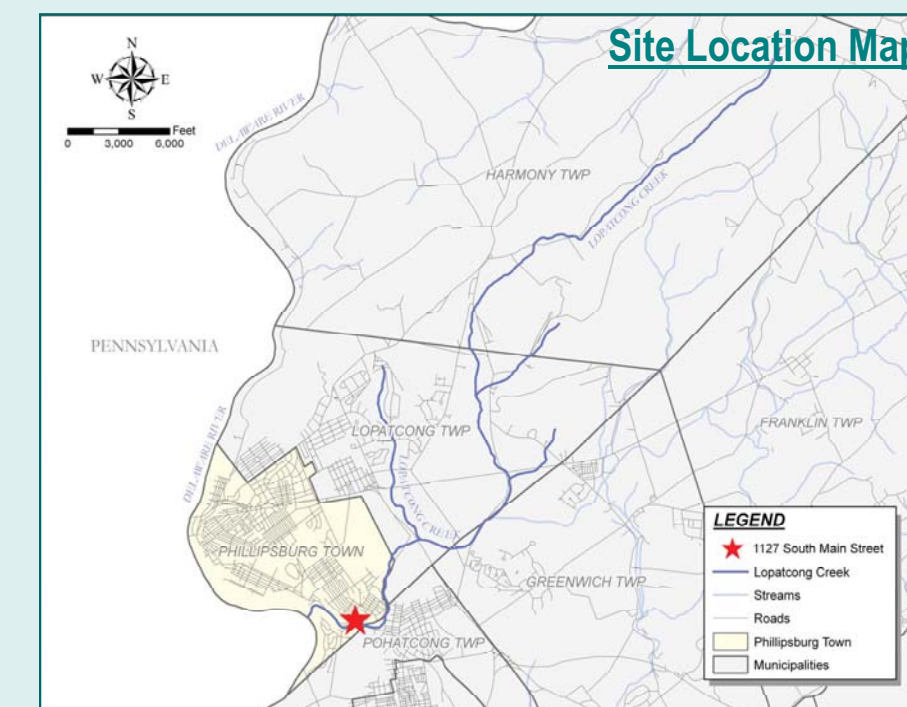
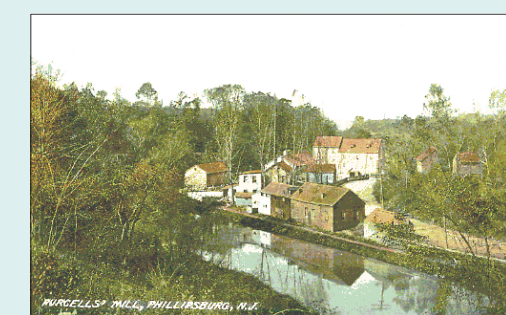
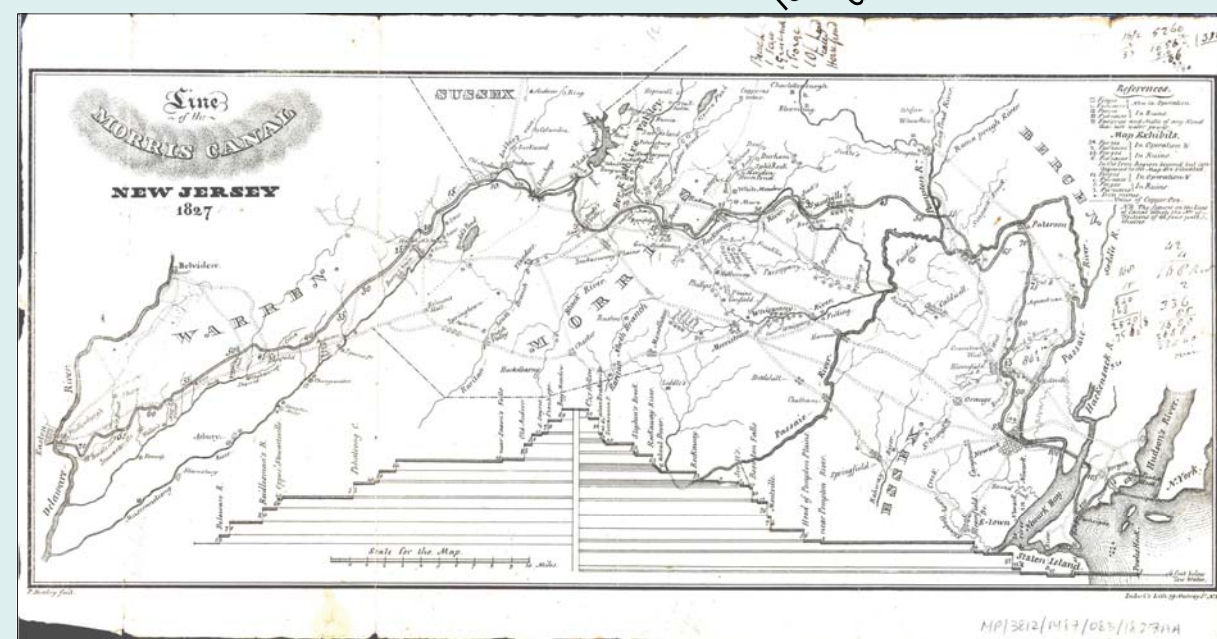
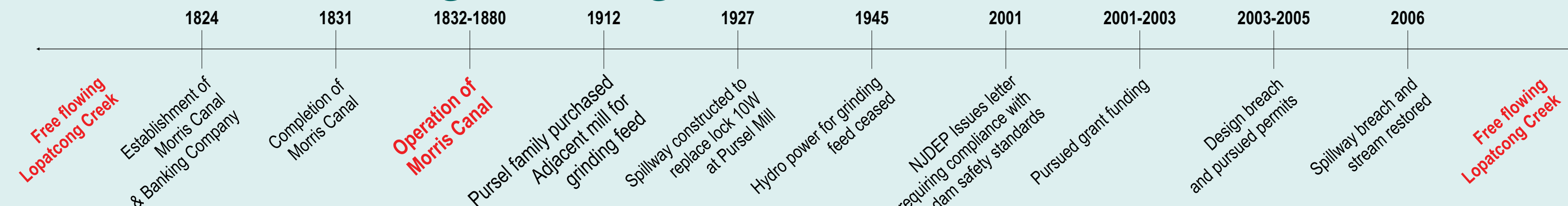


ENVIRO-AIR, INC.

Contractor

Pursel Mill Dam Breach & Fish Passage Improvements

Balancing Ecological Restoration & Historic Preservation



History in the Making

HEAVY CONSTRUCTION APRIL 2006



Setting up downstream cofferdam.



Plugging mill raceway with concrete.



Excavation and lining of diversion channel at upstream end of project.



NJ Fish & Game collecting fish, via electro-shocking, from work area.



Diverting the Lopatcong Creek.



Installing sheetpile at upstream end to eliminate headcutting.



Installed rock vane (1 of 4).



Installed deep pool.



Armoring historic walls downstream of project with river stone



Diamond wire sawing of concrete spillway.



Demolition of spillway portion to be removed with hydraulic hammer.



Continued demolition of spillway.



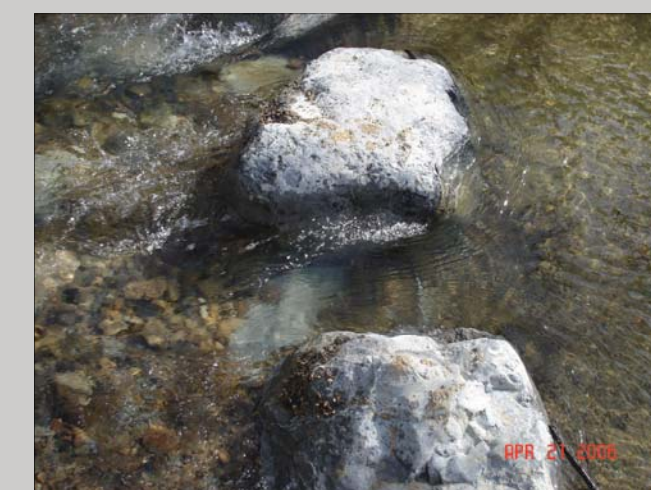
Breach of spillway almost complete.



Finished channel looking upstream.



Releasing the Lopatcong to the finished channel and breach.



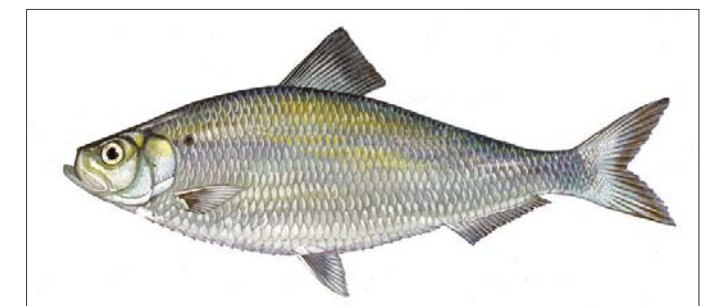
Spacing of rocks in vanes to allow fish to pass.



The final touches on the stream channel.

Benefiting Fish Species

Primary Target Species



Alewife
Alosa pseudoharengus
(anadromous)



Blueback herring
Alosa aestivalis
(anadromous)



American eel
Anguilla rostrata
(catadromous)



Brown trout
Salmo trutta
(non-migratory)

Images courtesy of the US Fish & Wildlife Service



The Completed Fish Passage And Preserved Spillway

