





Photo by Bridget Besaw, courtesy of the Peabody River Watershed



Partners in the Penobscot River Restoration Project

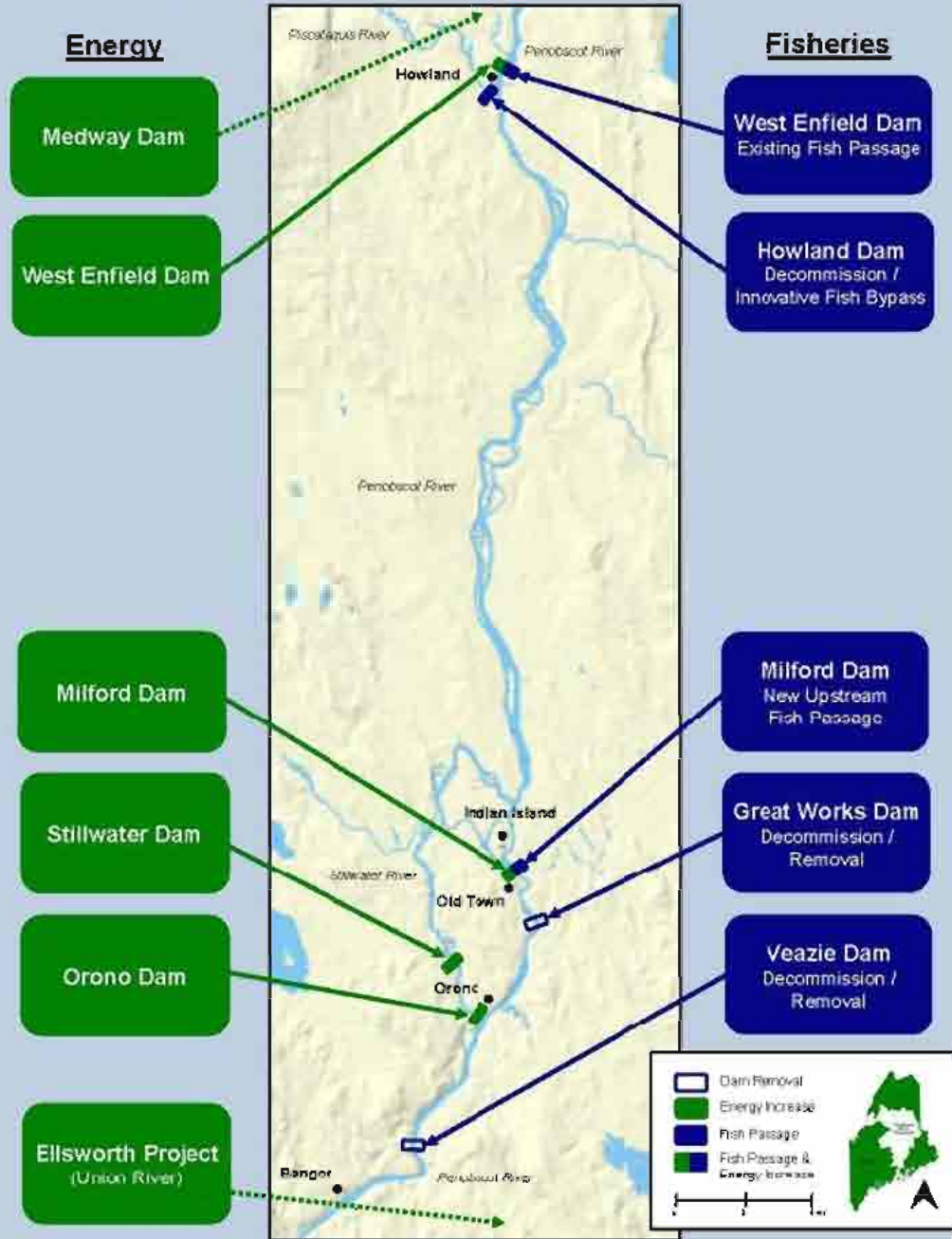


Penobscot River
Restoration Trust



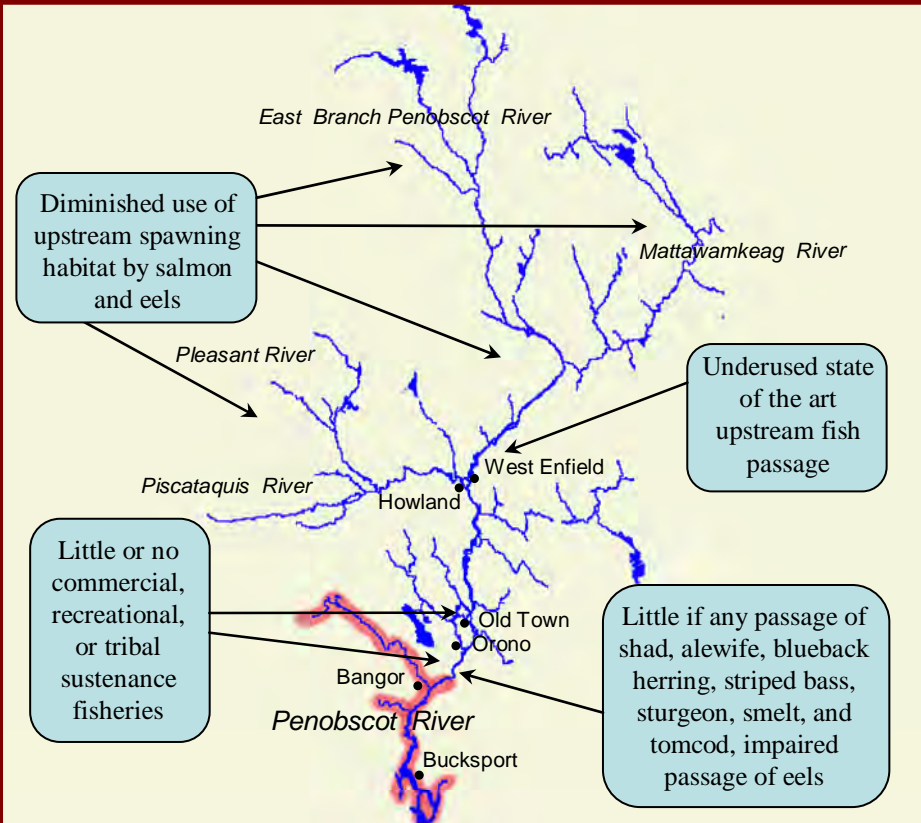
Penobscot River Restoration Project

Balancing the Environment, Economy and Quality of Life in Maine's Largest Watershed

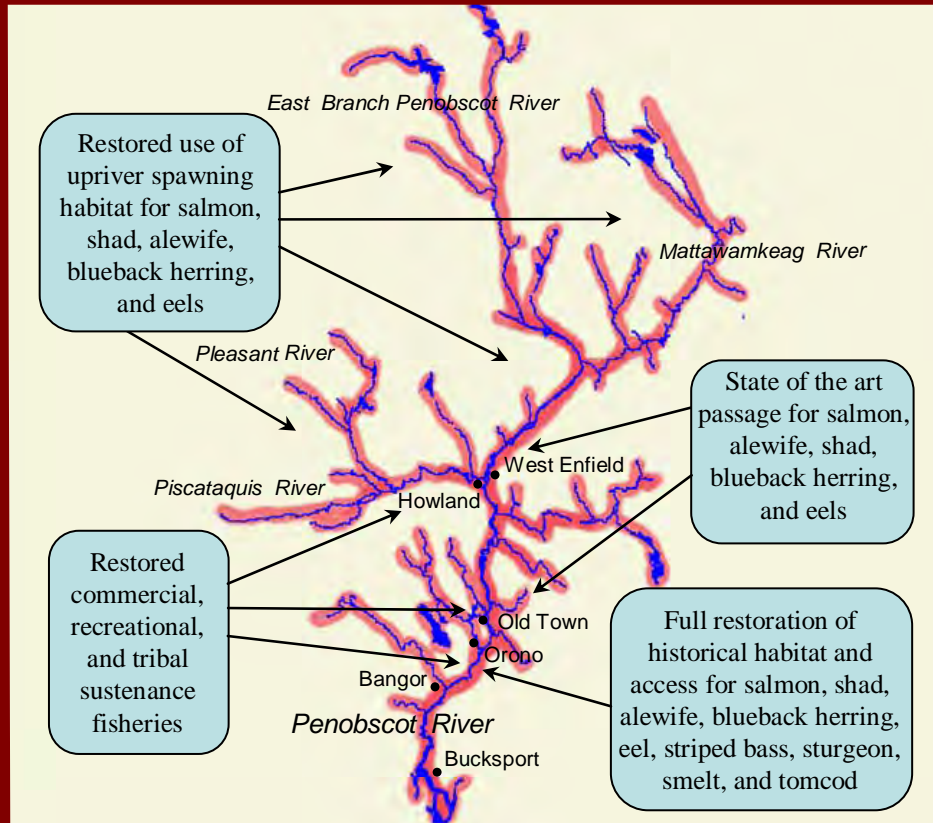


Penobscot River Restoration Project

Before and After Habitat Access



Existing Access for Sea-Run Fish



Significantly Improved Access for Sea-Run Fish to Nearly 1,000 Miles





*Photo by Doug Watts, courtesy of
Penobscot River Restoration Trust*



Photo by Linwood Riggs, courtesy of Penobscot River Restoration Trust





Photo by Doug Watts



Bangor Daily News

TUESDAY, DECEMBER 21, 2010

River group buys 3 dams for removal

BY KEVIN MILLER
OF THE NEWS STAFF

The decade-long effort to reopen nearly 1,000 miles of fish habitat in central and northern Maine surpassed a milestone last week when a coalition purchased three major dams on the Penobscot River north of Bangor.

The coalition of organizations working together as the Penobscot River Restoration Trust officially took possession of the Veazie, Great Works and Howland dams from PPL Corp. on Friday in a historic deal worth \$24 million.

Next up for the coalition: complete plans to start dismantling or bypassing the dams over the next several years.

"We will begin work on Great Works this summer and work will begin on Veazie the following summer (in 2012)," Laura Rose Day, executive director of the Penobscot River Restoration Trust, said Monday. "These are essentially large deconstruction projects."

The Penobscot endeavor has been hailed internationally as a model river restoration project.

Under an agreement brokered in 2004, PPL agreed to sell the three dams to the trust for

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River

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roughly \$25 million. PPL, in return, gained authorization to increase power generation at six other dams along the river, entirely offsetting the generation losses incurred when the Veazie, Howland and Great Works dams are decommissioned.

"This landmark partnership has proven that business, government and interested citizens can reach mutually agreeable solutions that benefit the community, the economy and the environment," Dennis Murphy, a vice president and chief operating officer at PPL, said in a statement Monday.

The trust estimates it will take another \$25 million to remove the Veazie and Great Works structures — the first two dams fish encounter on the Penobscot — and to decommission and build a state-of-the-art fish bypass at Howland.

Once complete, the project

will have reopened nearly 1,000 miles of river and streams within the Penobscot watershed to endangered Atlantic salmon, sturgeon, American shad, alewives and seven other species of migratory sea-run fish. In turn, those species help support other commercially important species, such as cod and lobster.

"This may well turn out to be the most important day for Atlantic salmon in the past 200 years," Bill Taylor, president of the Atlantic Salmon Federation, said in a statement Monday. "The Penobscot project is our best — and perhaps last — chance of restoring a major run of wild Atlantic salmon in the United States."

But supporters insist fish and other wildlife won't be the only beneficiaries. They also predict that fishermen and tourists will be drawn to the freer-flowing river.

Chief Kirk Francis of the Penobscot Indian Nation said tribal members see considerable opportunities in ecotourism. But the project is also important culturally and philosophically for

the tribe, which is part of the Penobscot River Restoration Trust coalition.

"We view the river as a very sacred entity. It's been our life-source for thousands of years," Francis said. By participating in the project, Francis added, the tribe is helping to "bring some health back to the river."

Of course, a project of such magnitude is bound to generate some controversy. A small but vocal group of fishermen have expressed concerns that the changes will allow invasive northern pike to infiltrate upper tributaries, threatening prized brook trout and landlocked salmon fisheries.

But federal regulators ruled that the benefits of unrestricted fish passage outweighed any risk from northern pike.

Both the Great Works and the Veazie projects are expected to take roughly one year to complete. At Veazie, crews will have to remove not only the main dam, which measures 900 feet long and 25 feet high, but also an earlier, now-submerged dam just upstream.

Once those dams are removed, the Milford dam visible from downtown Old Town will be the first impediment to upstream passage for fish.

Black Bear Hydro Partners LLC, the company that bought the Milford dam and five other dams from PPL in 2009, will build a new fish lift and trap at Milford before the Veazie dam's removal. That trap will allow biologists to collect brood fish for the Atlantic salmon hatchery run by the U.S. Fish and Wildlife Service.

The coalition is roughly one-third of the way toward its next goal of raising \$25 million to pay for the remainder of the project.

Mike Tetreault, executive director of The Nature Conservancy in Maine, said his organization was heavily involved in fundraising during the first stage and will continue to solicit both private money and federal support for the project.

"We are working with our partners to help close out the last \$16-17 million," Tetreault said.

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Penobscot Project in the News

Howland begins tannery cleanup

- Bangor Daily News, July 7, 2010

Maine OKs decommissioning on Penobscot

- Kennebec Journal, July 22, 2010

Penobscot River Trust takes possession of three dams –

Bangor Daily News, Dec 20, 2010

Penobscot river restoration effort takes giant leap forward –

Maine Public Radio, Dec 20, 2010

Penobscot restoration benefits all

– Bangor Daily News, Jan 6, 2011



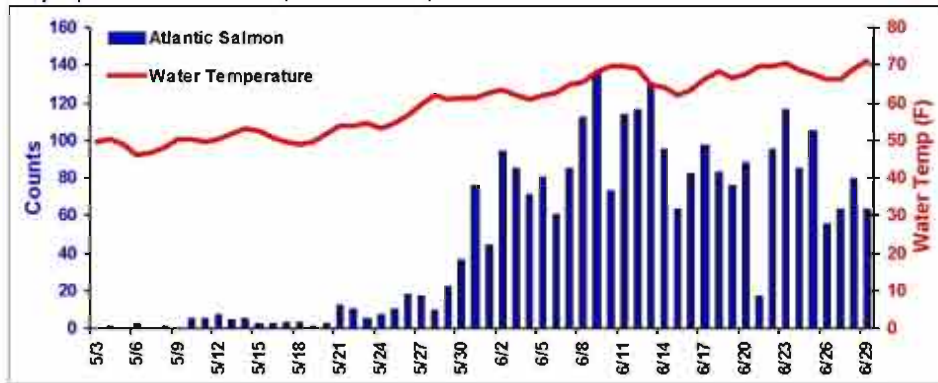
Photo by Bridget Besaw, courtesy of Penobscot River Restoration Trust



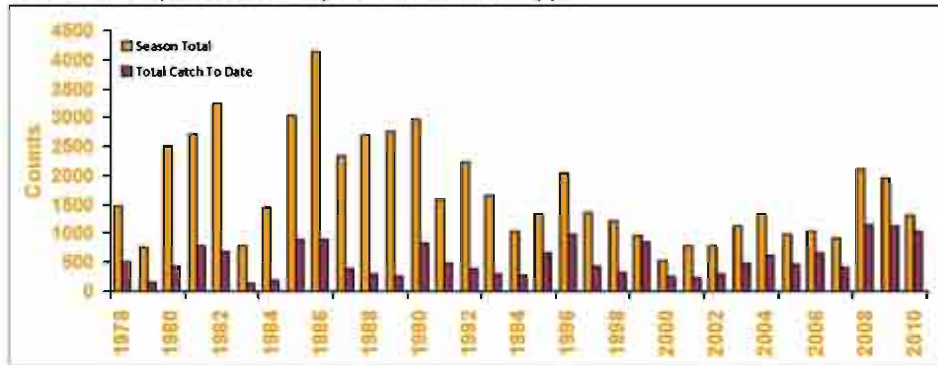




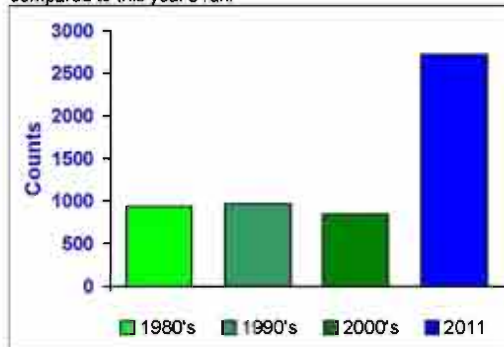
Daily trap catch of Atlantic salmon, Penobscot River, Maine



Atlantic salmon trap catch-to-date compared to the season total by year.



Average trap catch-to-date of Atlantic salmon by decade compared to this year's run.



Average Atlantic salmon catch-per-trap day:

80's	90's	00's	This Year
28	29	19	46

Trap catch summary:

Species	Total Catch To Date
American shad	1
Atlantic salmon	2726
Brook trout	2
Fallfish	6
Landlocked salmon	5
River herring	2039
Sea lamprey	2121
Smallmouth bass	129
White sucker	274





Photo by Bridget Besaw, courtesy of Penobscot River Restoration Trust



Projected Conditions Veazie Dam

MMI Engineering