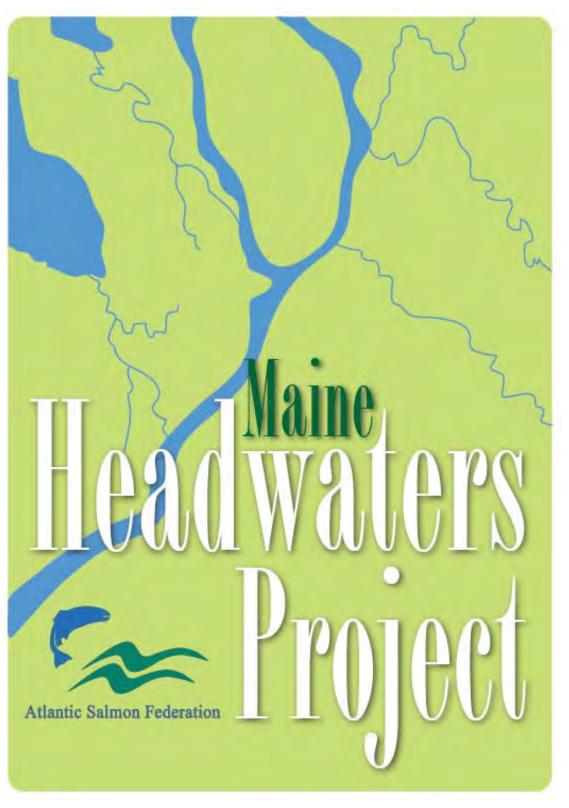


## All 12 species of Diadromous Fish



"But is was the dams on the main river and its tributaries, constructed to supply water power and later electric power, which truly sealed the salmon's fate. Over the years the runs continued to diminish until the mid-1800s saw their virtual end."

Edward C. Janes - Salmon Fishing in the Northeast - 1973

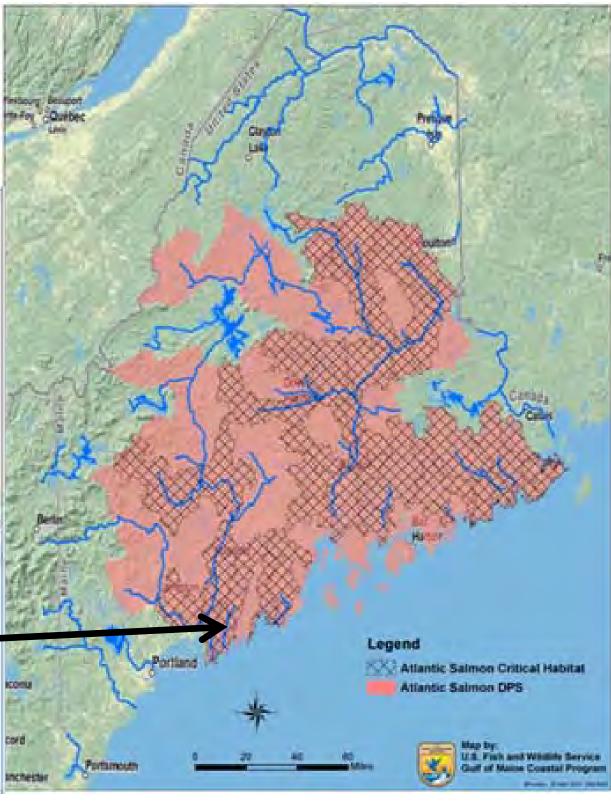


## **ASF Strategy:**

- Work in partnership in a watershed-wide & bottom, up approach.
- Long-term investment
- Focus on mid-size, smaller rivers.
- Prioritize non-hydro dams and road crossings
- Goal is to improve, not change

# Atlantic salmon recovery





## Sheepscot Partnered Approach

**Core Coalition** 



Fishery agencies



Local groups















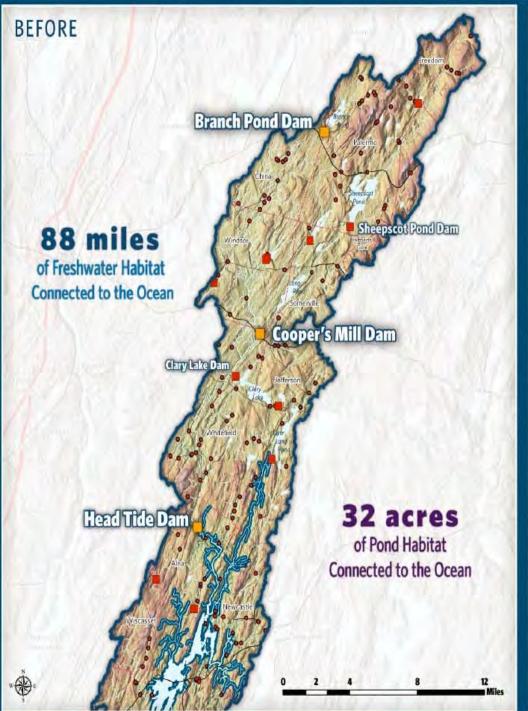


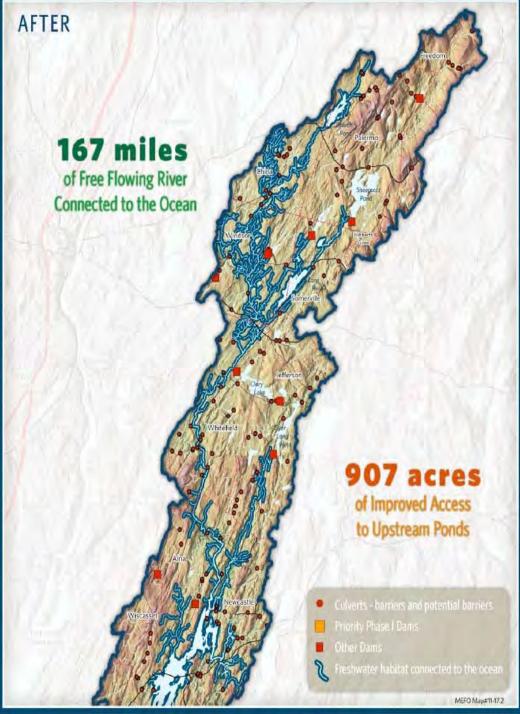


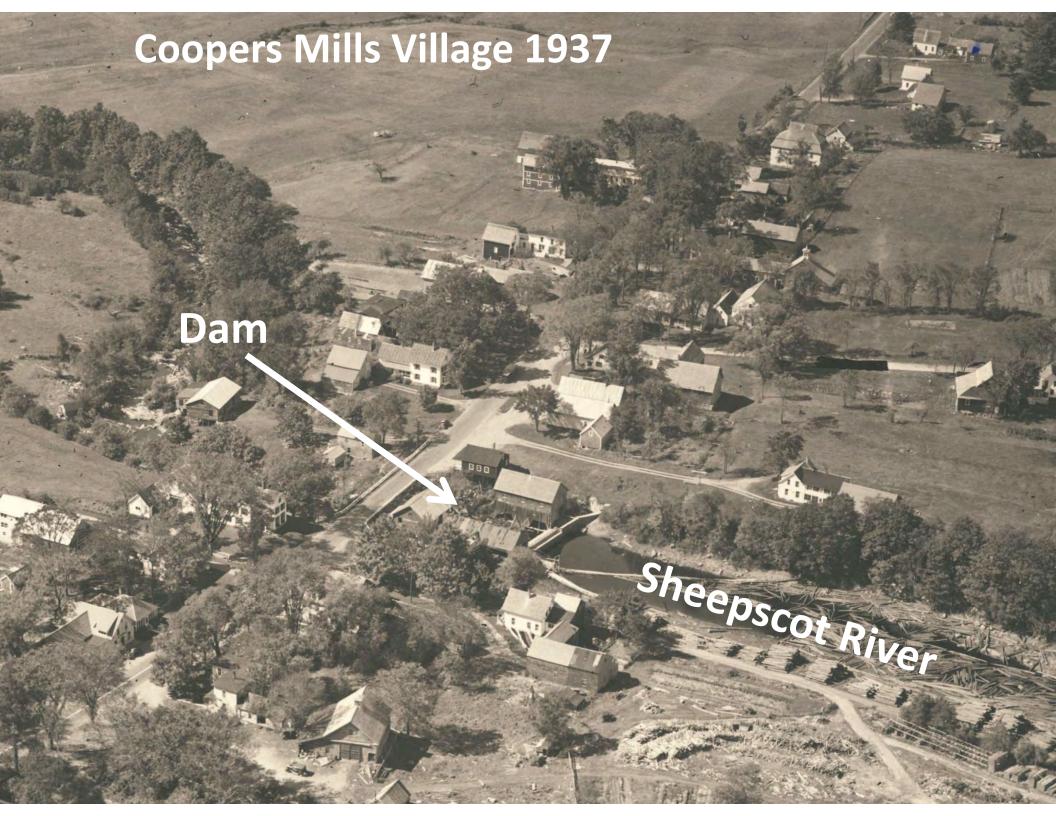




## **Reconnecting the Sheepscot River**



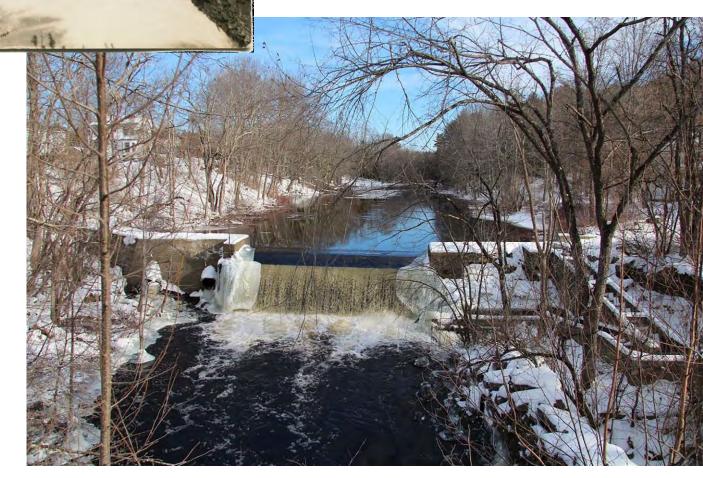






**←** 1905

2017**→** 



## Coopers Mills Dam Timeline

Dam Built

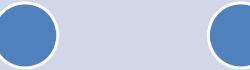
1804

Town of Whitefield purchases Dam

1949

Maine IF&W constructs Denil **Fishway** 

1960











1945

Mills Closed 1955

Mills demolished

## Coopers Mills Dam Timeline

SRWC, TU, USFWS efforts

Kleinschmidt feasibility study

2003-2006

Town voted to keep dam

2007

Town voted unanimously approval for Dam removal

2016













2006

Proposal for dam removal

2015

Town
Committee
established
with ASF,
MC & TNC

2018

Dam Removal

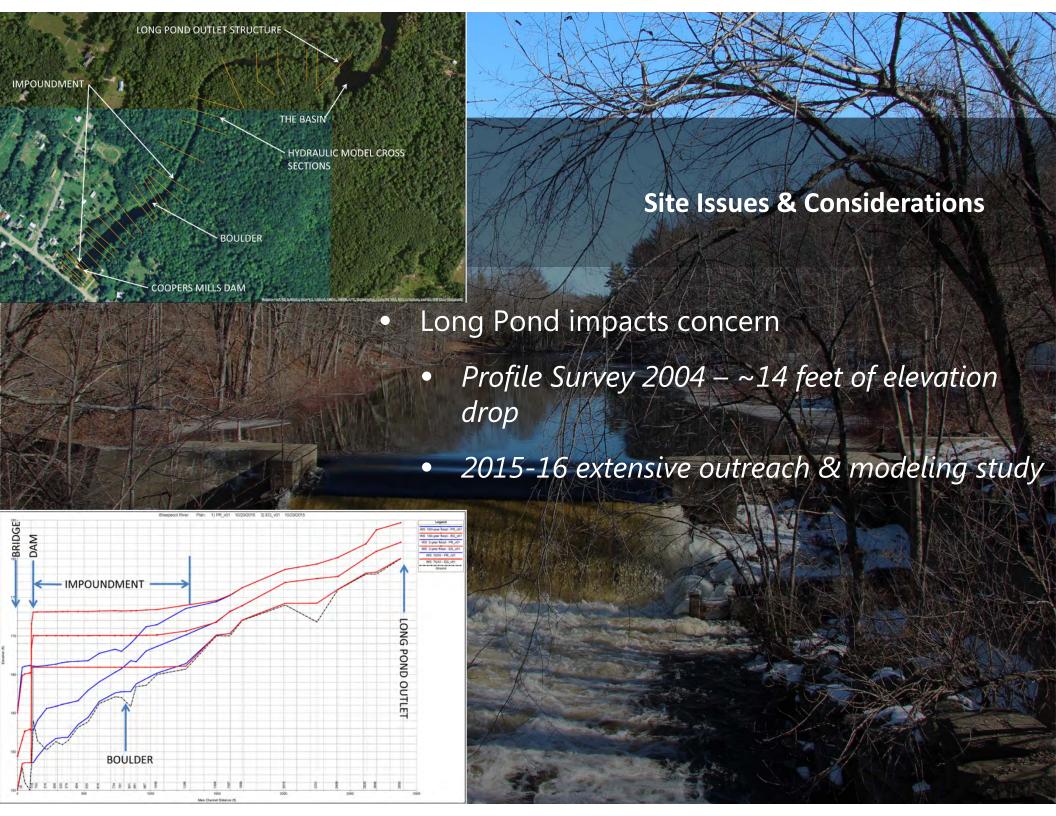
Fire Protection

Site Enhance











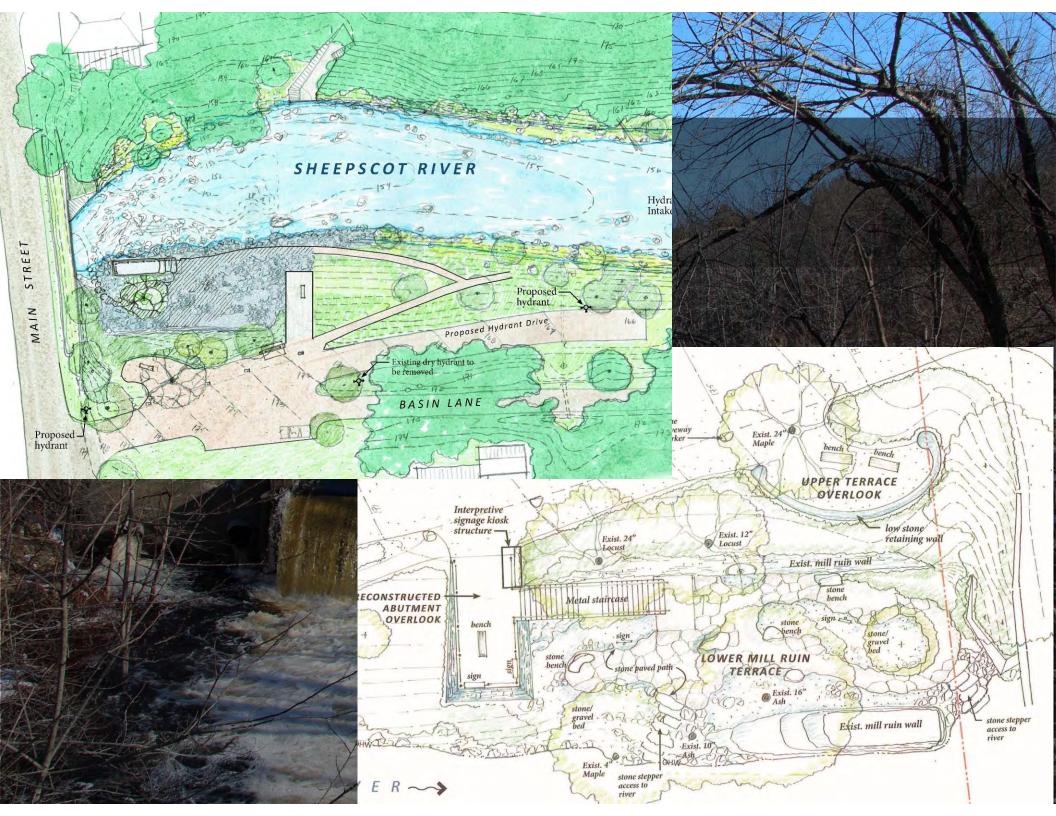


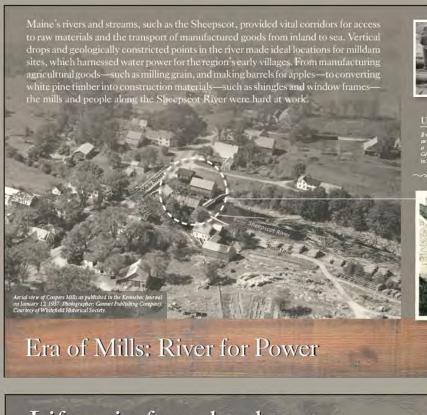


















Mills Flanking Spillway

Product of the Mills

## Eli Putnam built the original Coopers Mills dam around 1804 and constructed a mill on each side of the river. Jesse Cooper and his heirs, for whom the village is named, purchased the dam in 1808. The mills changed hands many times. The last private owner of the dam was Chester Colby.



### Decline of the Mills

Due to a flood in 1937 that damaged the dam, and to the declining supply of timber, the mills stopped operations in the 1940s. The Town of Whitefield purchased the dam and mill sites in 1949 from Chester Colby. The Town demolished the mill buildings in the 1950s. Most of the original stone foundations of the mills were removed at this time; however, two stone foundation walls still remain below this sign. The dam removal was completed in 2018, and the relic concrete abutment remains can be seen across the river from the viewing platform.

#### Undershot Wheel

## Life vein from land to sea

Coastal rivers like the Sheepscot are critical links for fish that originate in ponds and streams, develop to adulthood in the ocean, and return to freshwater to deposit their eggs (spawn). Sea-run fish have existed in these rivers for thousands of years; Native Americans and European settlers depended on their abundance for food and fertilizer. The fish are also an important part of the saltwater and freshwater food chains and support a wide variety of birds and mammals along the river corridor.

## Jostream Migration

Every year, adult sea-run fish—guided by smell or their 'homing' instincts—migrate from the ocean to freshwater rivers, streams, ponds and lakes to spawn, often at the very site where they hatched. ponds and lakes to spawn, often at the very site where they hatched. Many of these fish will return to the ocean as adults only to come back the following year to spawn again. The Sheepseot is one of only eight Maine rivers that provide essential spawning grounds for the federally endangered Atlantic salmon.

## Coopers Mills Fish

Adantic salmon, river herring (alewives and bluebacks). American cels, sea lumpreys and American shad have all been documented here of Coopers Mills. River herring are the base of the food chain, serving as prey for a wide variety of fish and widdlife along the river. Historically they were the most numerous and ecologically important fish in Maine's coastal rivers. Today a small commercial



#### Watershed Health



## Spawning Grounds

Many sea-run fish spawn in the quiet backwaters of gravelly headwaters while alewives require pond habitat to reproduce. There are thirteen historic alewife ponds in the Sheepscot watershed, though many remain blocked by impassable dams. With the removal of the dam at this site, schools of juvenile alewives can now freely migrate to th Atlantic Ocean, where they will grow into adulthood

Watershed Wildlife

Life thrives throughout the watershed. Osprey, eagle, waterfowl, and mammals such as beaver and otters are attracted to the river to least on its bounty.

orters are attracted to the river to feast on its bounty. Its forested banks provide habitat for deer, songhirds, and other animals. The river supports seven species of freshwarer mussels, at least five species of surfles, and hundreds of plant and tree species.

## Coopers Mills Construction Project

#### Construction Dates

July 2018 to November 15, 2018

There will be limited river access and Monday – Thursday road closures of Basin Lane during construction

This project will benefit the fisheries of the Sheepscot River while preserving the mill history of the site and maintaining a reliable water supply for local fire protection

The Coopers Mills Dam will be removed, two new fire hydrants will be installed, historic mill foundations will be stabilized and protected, and a river viewing platform, educational signage, and other public use enhancements to the site will be constructed

#### Point of Contact

For project updates, please visit the Town of Whitefield website or contact the Atlantic Salmon Federation at 207-725-2833 ext. 1















**Project Sponsor** 



**SEWALL** 



Project Design









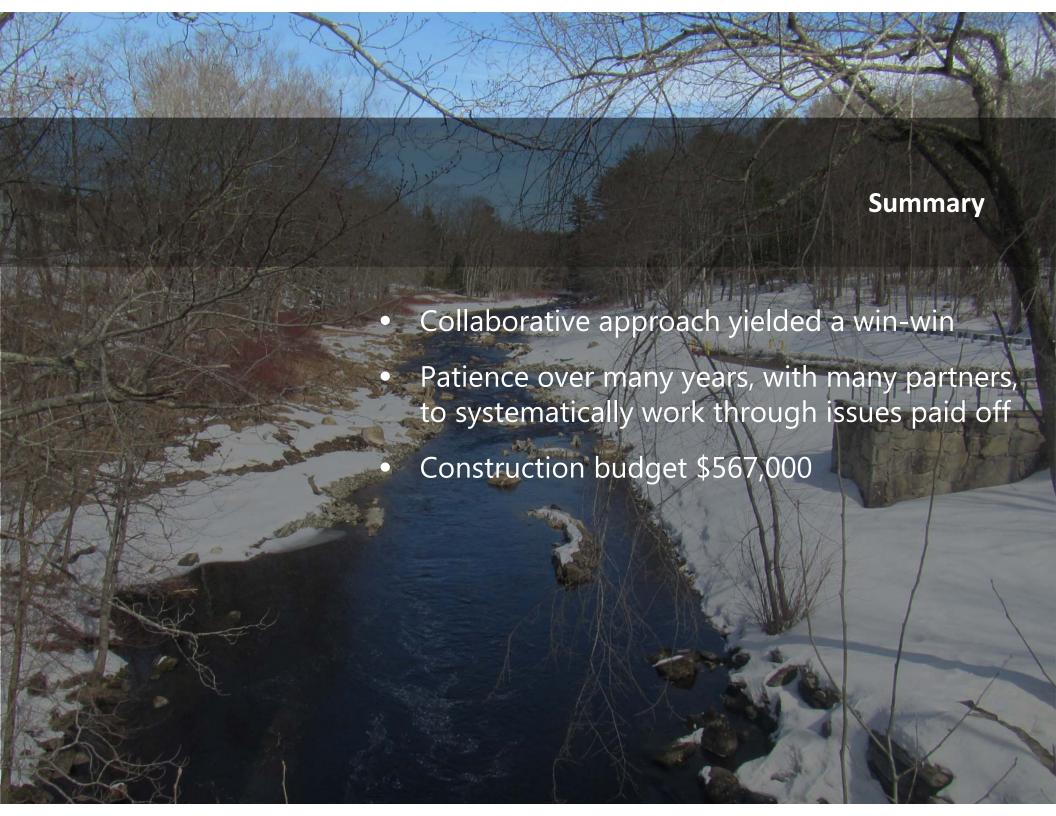














## **Next Steps**

