

Getting Public Support:

Defining Goals for Successful

Outreach & Buy In

Dam Removal/Eco Restoration 101 Training

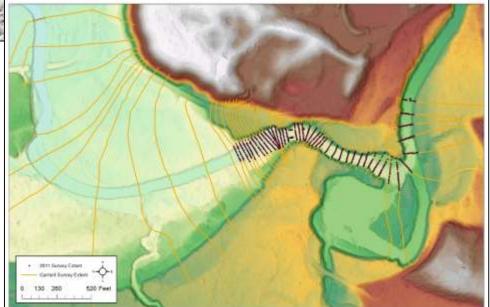
Neil Shea, *Restoration Program Director*

Ipswich River Watershed Association



Outline

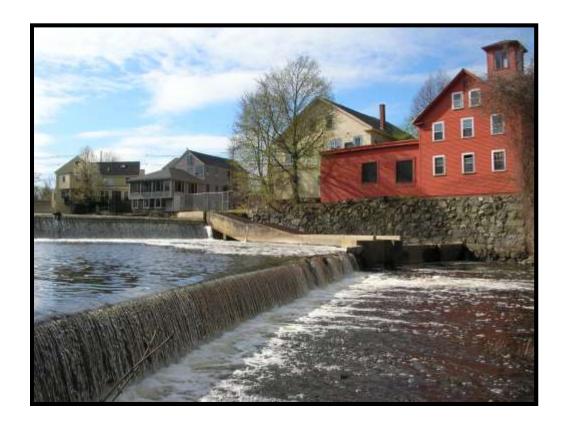




- Why care about public support?
- Translating the science
- Strategies for people
- Case Studies



Why care about public support?



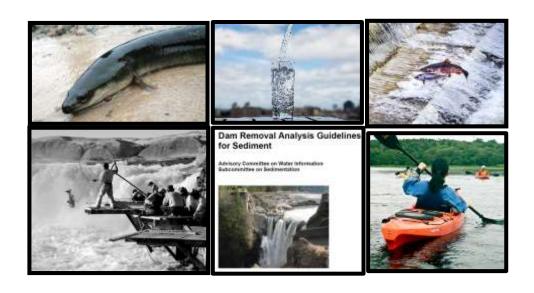
The legacy of human efforts to control our waterways:

- Over 14,000 dams throughout the New England region
- Dams are linked with local history and culture
- Conservation of the environment created by dams

The majority of dams in New England are privately owned... With a willing landowner, why not just take them out?

The reality is that whether a dam is privately owned or owned by a municipality, these projects are very public

- Can have wide-reaching impacts
- Input from a variety of stakeholders (abutters, businesses, water suppliers, environmental groups, etc.)
- Divisive lots of issues



Why care about public support?

RESEARCH ARTICLE

I'll be dammed! Public preferences regarding dam removal in New Hampshire

Natallia Leuchanka Diessner^{1,*}, Catherine M. Ashcraft², Kevin H. Gardner³, and Lawrence C. Hamilton⁴



Competing Ideas of 'Natural' in a Dam Removal Controversy

Dolly Jørgensen

University of Stavanger, Stavanger, Norway; dolly@jorgensenweb.net

"You kill the dam, you are killing a part of me": Dam removal and the environmental politics of river restoration

Coleen A. Fox, 1* Francis J. Magilligan, 2 and Christopher S. Sneddon3

So...why work for buyoff?

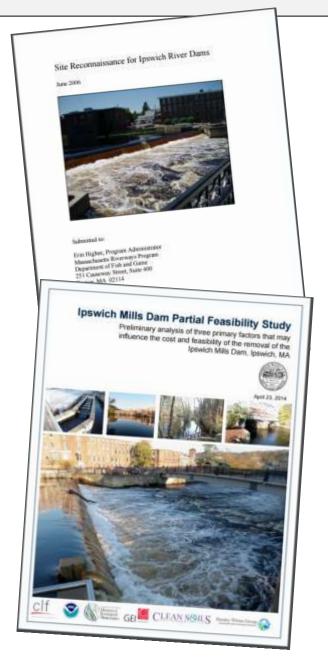
Every dam project is different and offers its own unique set of challenges. But there is one common link:

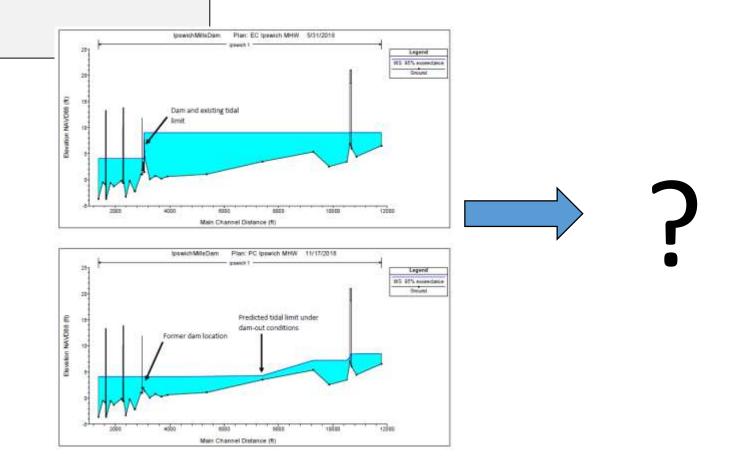
The more support a project has, the less resistance it will encounter

Research shows that in general, people are in support of dam removals. BUT the margins narrow when the dam has a real (or perceived) function.

How do you talk about these projects in a way where you can make sure the margins are in your favor?

Translating the Science





Hydraulic and hydrologic modelling → How will water levels change? Sediment and water quality → What's behind the dam and where is it going to go? Infrastructure impacts → Will any buildings, roads, bridges, or public utilities be impacted?

Archaeology assessment → What is the historical significance of the site?

Translating the Science

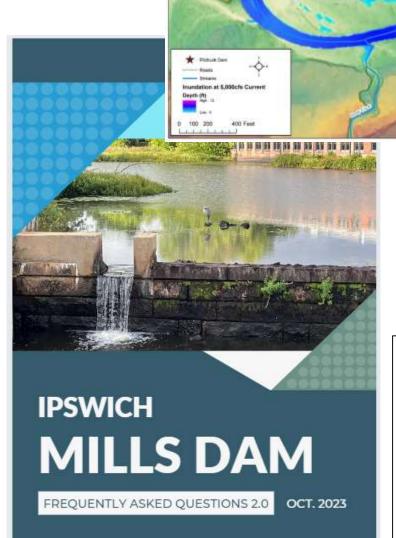




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- D Former the elements of device platform is 13 45 foot (NAVDO

Detailed renderings will help with one of the most common questions – what will it look like?

Use clear maps and figures to tell the story



A good FAQ document will capture and summarize your distilling efforts – but won't be the end all be all

Translating the Science



Public meetings can be a good opportunity to inform and educate – but people need to feel that they've been heard

You're invited to an

Open House

Tuesday, March 19, 2019

from 4 to 7 pm with snacks provided

Granite Falls Library

815 E Galena St Granite Falls, WA 98252

Staff from the Tulalip Tribes and the City of Snohomish will be on hand to answer questions regarding the dam removal project.







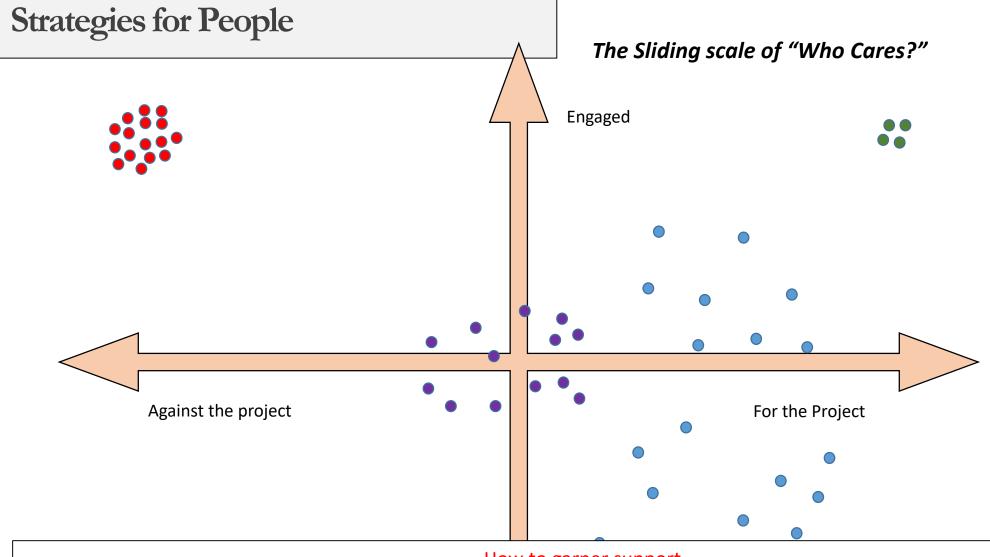
Reconnecting Critical Habitat

**Chinook, coho, steelhead and other species in the Pilchuck River are vital to our culture, and are iconic to our region.

— Marie Zackuse
Tulalip Tribes Board of Directors





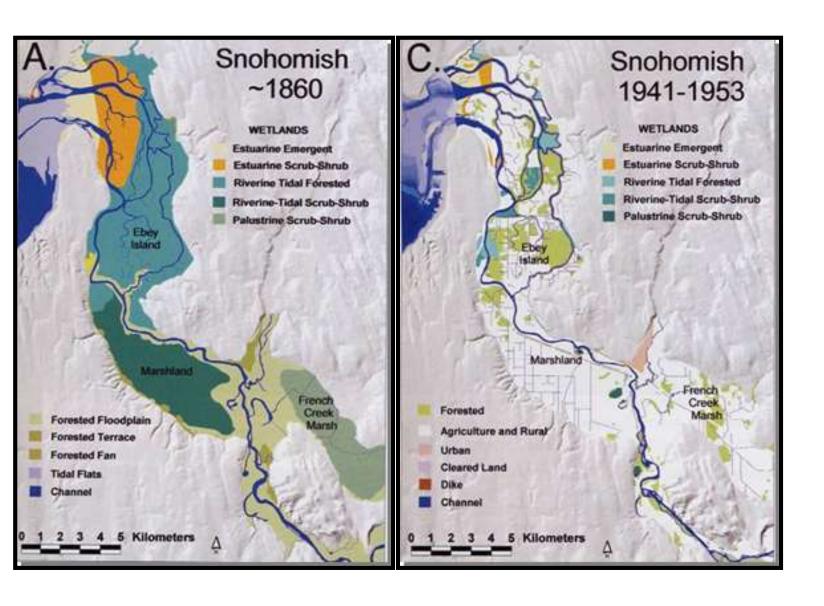


How to garner support

- 1. Who is your audience
- 2. Figure out the pros to your specific dam removal (not just ecological)
- 3. Figure out the most popular reasons people would want to keep the dam (even if they're not based in fact)
- 4. Start having conversations

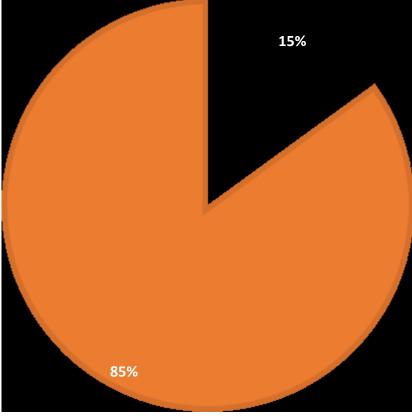


Habitat Loss

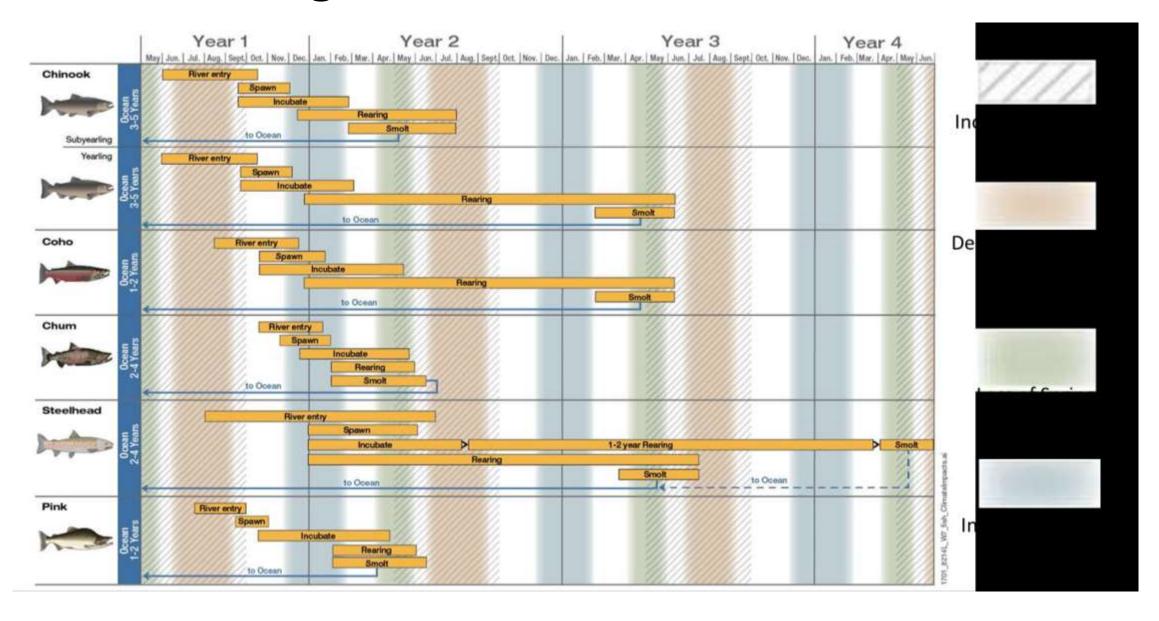


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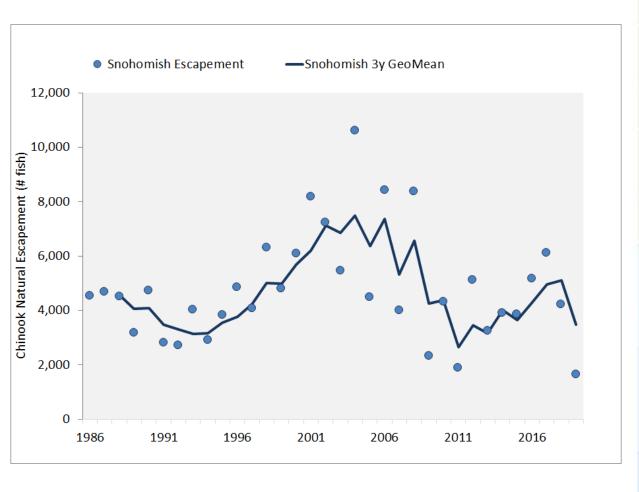


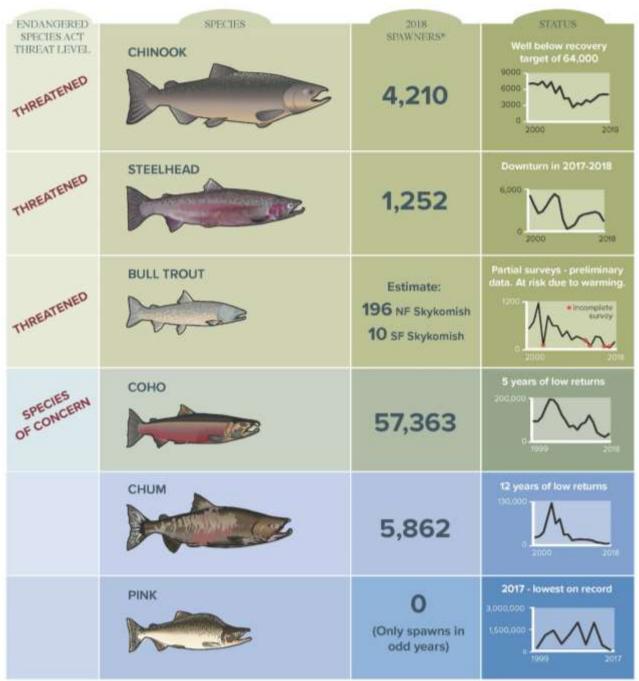


Climate Change



Declining Populations

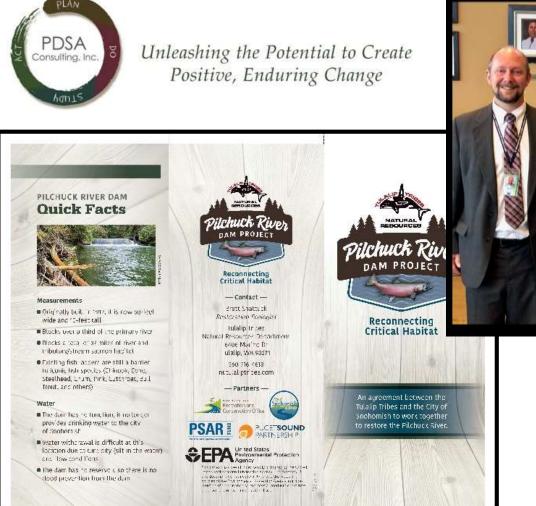


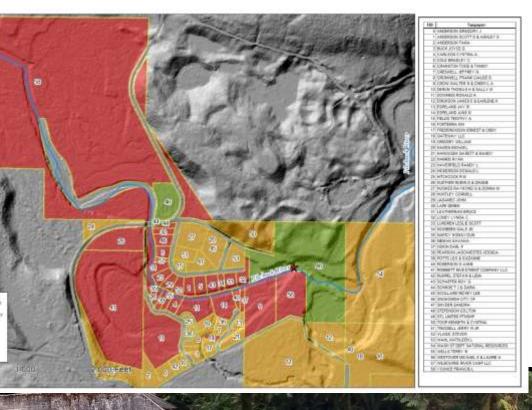


Outreach

Public Outreach and Stakeholder Engagement Plan

PDSA Consulting, Inc.







Groups rush to fix Washington's 'dam' problem





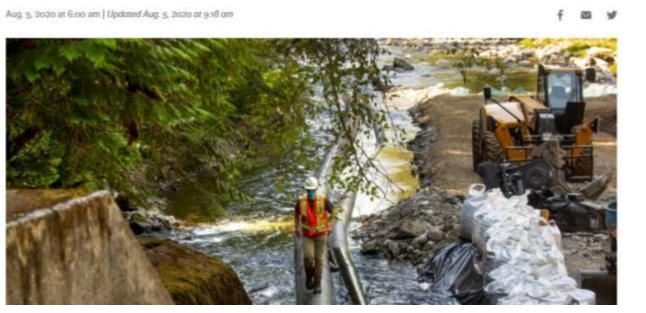
- Dam removals like Pilchuck,
- **Nooksack clearing way for**
- salmon survival





The Seattle Times

Another Washington dam removal — and 37 more miles of salmon habitat restored







News * Jazz & filoes * Features * Calendar * Support KNRX * Connect * About *

Pilchuck Dam removal nearing completion, with 37 miles of good fish habitat upstream

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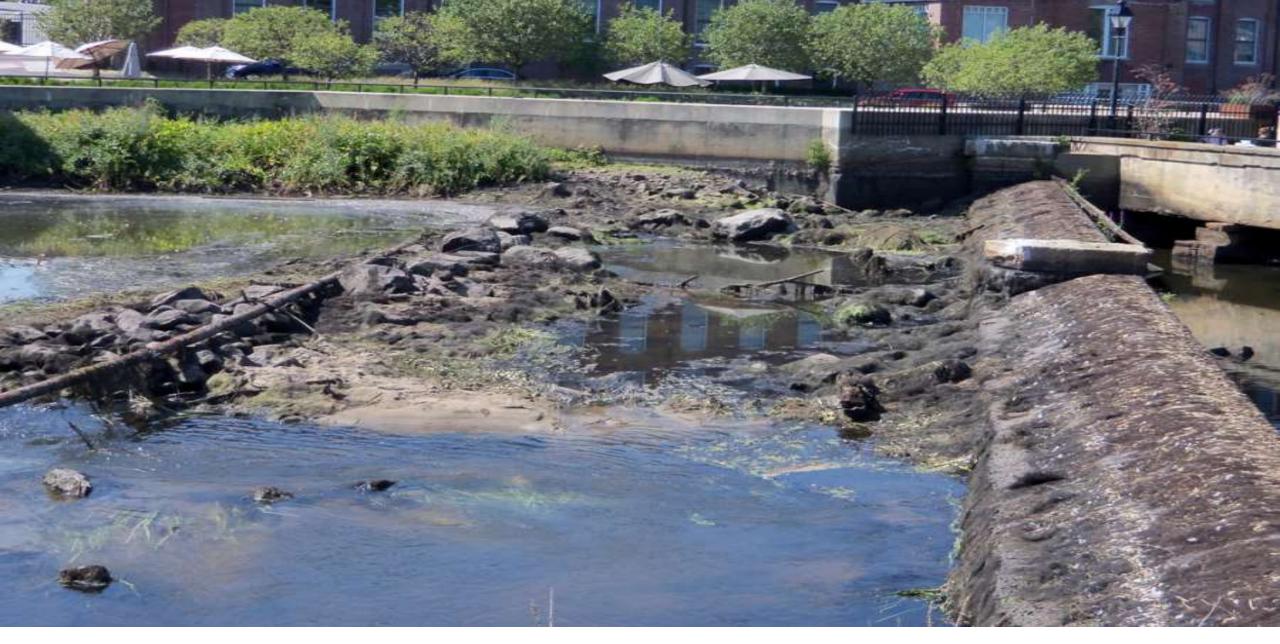












Case Study – Ipswich Mills Dam

Brief Background

Project History

- 2006 Initial recon
- 2014 Prefeasibility study. 2015-2019 Full feasibility study
- 2020-2021 **Updates** to feasibility study
- Named a project to watch by **American Rivers**
- 2023 Filed with MEPA

Inswich Mills Dam and South Middleton Dam. Ipswich River, Massachusetts



QUICK FACTS

- # Dam Removals: 2 Dam Use: Mill
- Upstream River Miles Blocked: 106+ miles

The Ipswich River Watershed Association has been working for years towards the removal of the Inswich Mills and South Middleton dams on the Ipswich River in Massachusetts. The Inswich Mills Dam removal project has experienced slow and sporadic progress over more than 20 years because of its delicate location within the heart of historic downtown Ipswich, Massachusetts. As a bead-of-tide dam and first significant barrier along the mainstem of the Ipswich River, the Ipswich Mills Dam

has interrupted the ecology of the river for almost 400 years. As one of America's Most Endungered Rivers® of 2021, the Ipswich River is in dire need of an investment in restoration and conservation. This project would increase the climate resiliency of a river in need and be a triumph and testament to the hard work and dedication of the community, local and state government, and the multitude of organizations who have contributed to advancing this project.

The removal of the South Middleton Dum has been many years in the making, but 2022 promises to be a big year for the project. Ipswich River Watershed Association is partnering with Bostik (dam owners), Inter-Fluve, Massachusetts Division of Ecological Restoration, U.S. Fish and Wildlife Service, and the National Oceanic and Atmospheric Administration on what will be the first major dam removal project to take place on the Inswich River. The removal of the South Middleton Dam will

CONTACT

Ipswich River Watershed 978-412-8200 nshea@ipswichriver.org



Copco 1 Dam, Klamath River; Photo Credit: Daniel Nylen

Thousands of dams need to come down in the U.S., and there are opportunities for river restoration at every size and scale. American Rivers curated the following list of 25 dam removal projects to watch for in 2022 and beyond which is meant to illustrate examples and highlight opportunities of the types of dam removal projects that exist across the country The "projects to watch" list is not exhaustive. The projects range from small dams with willing owners where river restoration will deliver important local benefits, to bigger dam removal efforts that are vital to saving species from extinction and addressing longstanding injustices across entire regions.

- Ipswich Mills Dam and South Middleton Dam, Ipswich River, Massachusetts
- 2. Mahoning River Dams, Mahoning River, Ohio
- 3. Scott Dam, Eel River, California
- 4. Snake River Dams, Snake River, Washington

Brief Background

- Ipswich Mills ranks in the 95th percentile for restoration value for all coastal dams from Maine to Virginia
- 49 miles of habitat and ecosystem restored
- Water levels above the dam will lower; water levels below the dam will remain the same
- New water elevations would vary based on seasonal flows and daily tides
- Removal would lead to reduced flooding risk to buildings and property upstream of the dam; if dam is left in place, downstream infrastructure remains at risk
- Enhanced passage for fish, wildlife, and recreators!

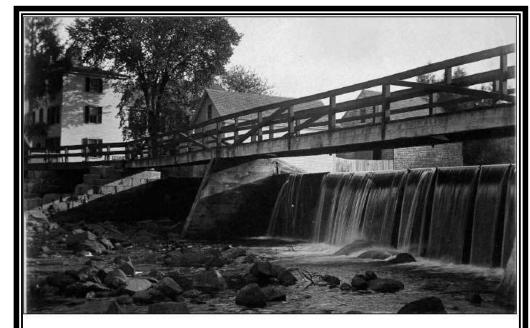


Figure 4. Ca. 1900 photograph by Arthur Wesley Dow showing the northeast end of the Ipswich Mills Dam (source: electronic document: StoriesFromIpswich.org).





Downtown pop-up shop

- Spring 2023 Town Meeting
 Vote Formal vote on the
 project for the first time
- IRWA rented a downtown space and set up a pop-up shop
- Allow people to come chat face-to-face, view project documents, maps, etc
- Host weekly events and engagement opportunities

ARTICLE 14 - Ipswich Rive

To see if the Town will vote to necessary for the Ipswich Rive and for the implementation of Environmental Protection Act

Summary: The Town is pursui of a larger effort to address fi project has been awarded a \$. Administration (NOAA), a por engagement process for the Ip Town Meeting for the Select B



By: Select Board

any and all permits
val of the Ipswich Dam,
sachusetts

ich Mills Dam as part
heds. This larger
ospheric
is, and continued public
express the support of
removal project.

oard Recommend: 3-1

Downtown pop-up shop

Spring 2023 Town Meeting
 Vote – Formal vote on the

ACTION: Yes: 314 No: 144. Article 14 carries by the necessary majority.

shop

p

- Allow people to come chat face-to-face, view project documents, maps, etc
- Host weekly events and engagement opportunities

LEARN ABOUT THE BENEFITS OF DAM REMOVAL

LIADILITI NEMUVA

RECREATIONAL IMPROVEMENTS
IMPROVED WILDLIFE PASSAGE



Lessons Learned

- Be clear about decision making
- Be strategic about where you spend your time
- People love wildlife



