

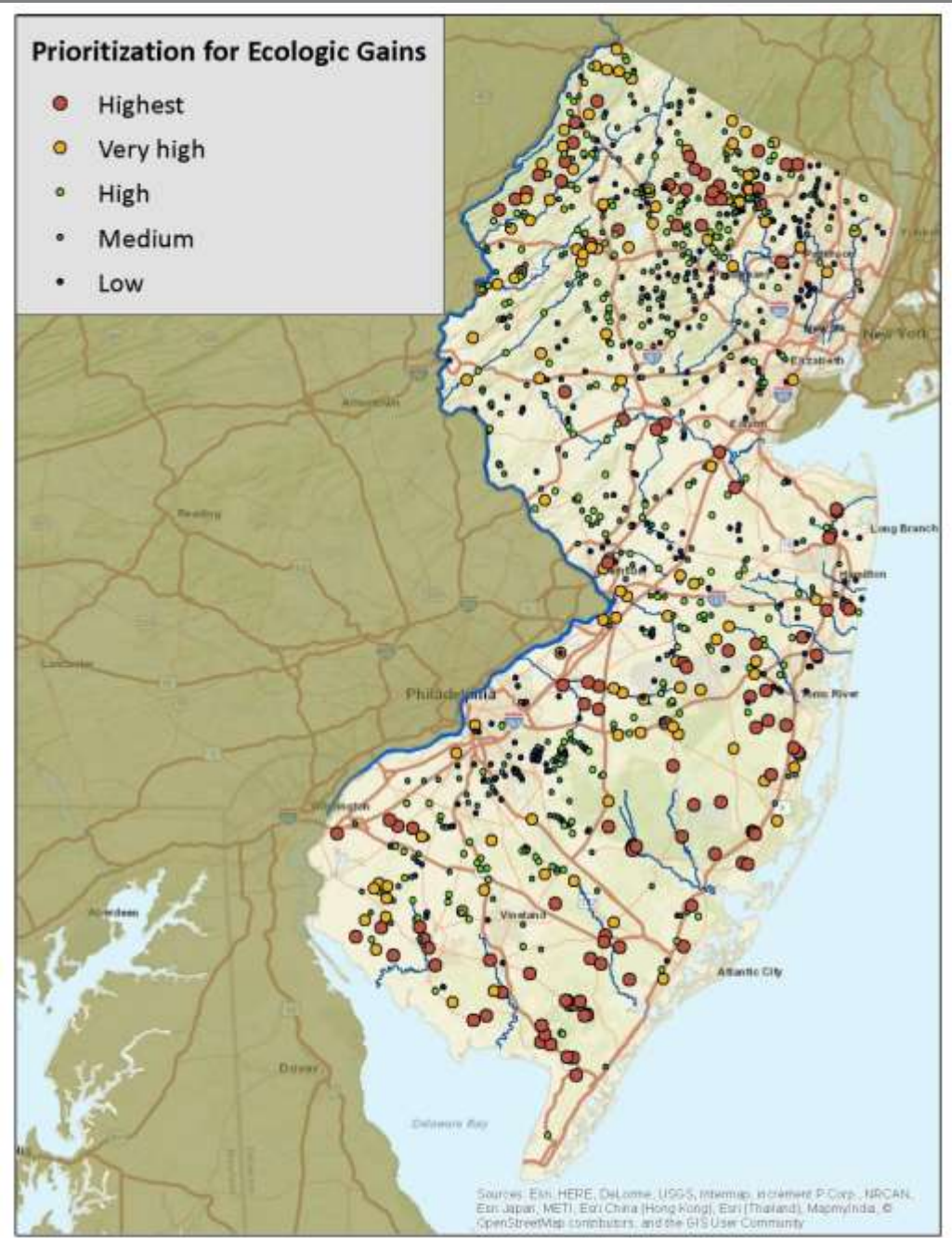
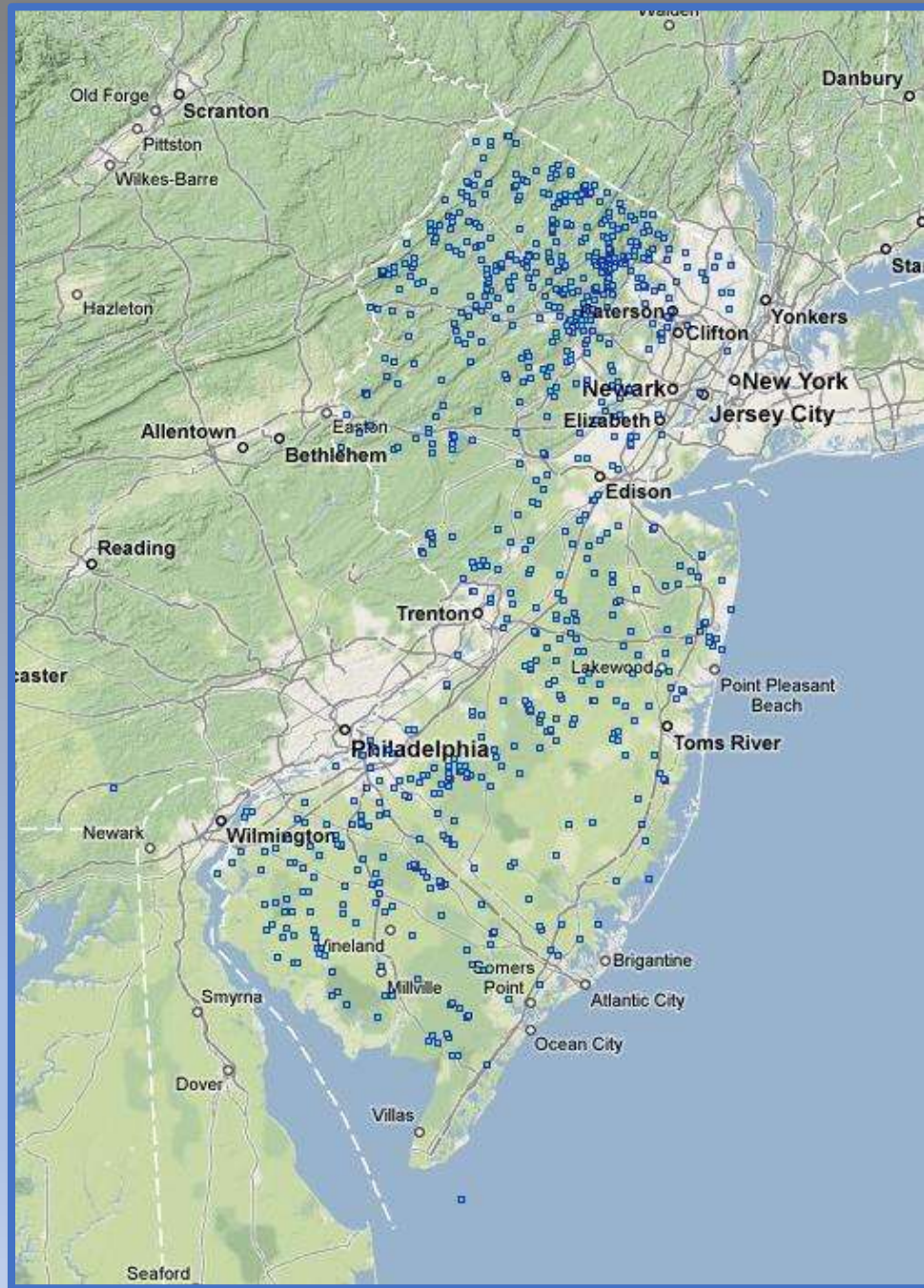
National Stream Restoration Conference

Baltimore, MD August 2023



NJ Statewide Dam Removal Partnership:
Creating a Community of Practice to Accelerate Dam Removals

Beth Styler Barry, Director of Freshwater Programs
The Nature Conservancy, New Jersey



What We'll Cover:

- **Who Participates in the NJ Statewide Dam Removal Partnership (SDRP)**
- **When/How We Meet**
- **How the SDRP Works to Build Technical Capacity**
- **Is it accelerating Dam Removal in the State?**



The New Jersey Statewide Dam Removal Partnership (SDRP) is a collaboration of nonprofits and government agencies that seeks to advance the removal of antiquated, dangerous or ecologically detrimental dams.

- We meet quarterly to discuss beneficial dam removal projects and to exchange information regarding policy, regulatory issues, funding and the practical considerations of dam removal.
- The SDRP also provides information to the public about how dams and dam removal may affect their communities and their lives.

SDRP

Prioritization

Project Updates

- Featured Project

Work Group Updates

- Featured Work Group

Additional Discussion Topics

Monitoring

Policy

Outreach

Funding

Partnerships

- NJ Statewide Dam Removal Partnership
- VT Task Force
- Southeast Aquatic Connectivity Team (SEAC)
- Georgia Aquatic Connectivity Team (GA-ACT)
- Conservation Resource Alliance (NW MI)
- Huron Pines (NW MI)
- Tribal/Indigenous Communities

Aquatic Connectivity Teams by State

<https://southeastaquatics.net/sarps-programs/aquatic-connectivity-program-act/act>



Ecological Prioritization Tools

- NE Aquatic Connectivity Aquatic Barrier Prioritization
- [Southeast Aquatic Resources Partnership \(SARP\)](#)
- Southwest Region <https://connectivity.sarpdata.com/regions/southwest/Dam>
- Chesapeake Fish Passage Prioritization
<https://maps.freshwaternetwork.org/chesapeake/>
- The MI DNR Great Lakes Stream Crossing Inventory <https://great-lakes-stream-crossing-inventory-michigan.hub.arcgis.com/>

NEW JERSEY DAMS

HOME

FAQ

DAMS 101 ▾

WHY REMOVE DAMS?

HOW TO REMOVE A DAM

CASE STUDIES

RES

MONITORING

Monitoring should be a key component of the dam removal process, both to ensure that project goals and the practice of dam removal. The project team should develop a monitoring plan that covers pre-project monitoring and post project monitoring. A project might be monitored for changes in fish population, temperature, dissolved

What is a Dam?

Anatomy of a Dam

Purpose of Dams

Vocabulary

Videos

FAQ

General Questions

Dam Removal

Public Safety

Dam Ownership

Regulation

Restoration

Cost

Hydropower

Share this:

Lowhead Dam Removal FACT SHEET

Calco Dam

Raritan River, New Jersey

Location

Raritan River Mile 20.9
Bridgewater & Franklin Townships
Somerset County, NJ
Latitude: 40.55075; Longitude: -74.5519

Date of Construction

1938

Date of Removal

July-August 2011

Dam Structure

- Concrete Gravity Dam Encapsulating a 3-foot Diameter Tile Pipe Composing a Center Weir with 41 8-inch Diameter Discharge Outlets.
- Structural Height: 7.0 feet
- Width Across River: 201 feet (Total: 245 feet)

Dam Purpose/Public Impact

Chemical Dispersion (1938)/ POTW Treated Effluent (post-1980)
No Known Fatalities/Multiple Incidents.

Dam Removal Objectives

- Provide Migratory Fish Passage
- Eliminate Public Safety Hazard
- Restore Wading Bird Habitat



Synopsis: Calco Dam was constructed in 1938 by the Calco Chemical Company division of American Cyanamid, who conducted significant synthetic dyestuff manufacturing operations in Bound Brook, New Jersey between 1915-1980, for the purposes of dispersing manufacturing-related effluent into the Raritan River. Although the 123-foot long center weir was subsequently used as a treated effluent discharge point for the Somerset Raritan Valley Sewerage Authority POTW, the Calco Dam removal became a major watershed restoration priority because it was the lowermost fish passage obstruction on the Raritan blocking fish passage to both the Raritan River and its largest tributary, the Millstone River.



Before



After

Photographs and Dam Summary by John W. Jung, PG, LEISF

The NJ Statewide Dam Removal Partnership Information Sessions YouTube Channel



Dam Removal in New Jersey Information Session



Meet the Partners doing Dam Removal in New Jersey



Permitting Dam Removal Projects in New Jersey



Funding Dam Removals in New Jersey



Community Engagement and Dam Removal in New Jersey



"Ask an Expert": SDRP Members Answer Community Asked Questions about Dam Removal



Scientific Data Collection



Infrastructure Bill, Funding and Dam Removal April 2022



Finding or Being an Ideal Dam Removal Contractor June 2022



Addressing Equity in Dam Removal



eDNA and Dam Removal



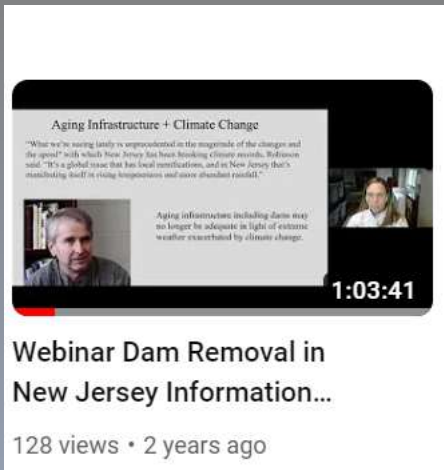
Improving Recreation and Public Safety in Our Rivers



Local Government Case Studies



Preparing a Budget Webinar



Introduction to Dam Removal in New Jersey 128 views

55 views Sep 20, 2021

A river is often a community center for recreational opportunities such as fishing, kayaking, hiking, or birdwatching. Dam removal, and the stream restoration often associated with dam removal, can enhance the long-term health and viability of a river and the safety of those choosing to recreate there. Visitors seeking the recreational opportunities in an area can give a welcome boost to local businesses, creating positive economic change. Dam owners and managers can improve river health and safety in their community by choosing to remove a dam. This session presents several case studies where recreation opportunities were improved and made safer by dam removal.



NJ Dam Removal: Improving Recreation and Public Safety in Our Rivers

Benefits of a Community of Practice

- Leverage funding from sources unavailable to all entities
- Build on existing relationships with stakeholders
- Team up with other local efforts (Neighborhood Preservation, Land Preservation, Economic Revitalization)
- Benefit from experience with local officials
- Make grant applications more competitive by partnering with an environmental or environmental justice organization



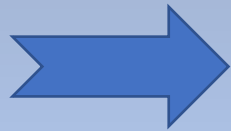


SDRP



Dam Removal 101

- What is the Process?
- How can we do a cost analysis?
- Who might fund?
- Who might partner?



Attends SDRP
Information Sessions



Attends SDRP
Project Manger Training

Engineering Complete 2022

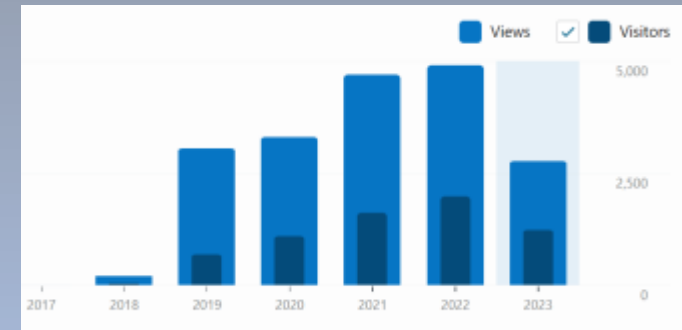
Permits Submitted 2023

A community of practice is a group of people who share a common concern, a set of problems, or an interest in a topic and who come together to fulfill both individual and group goals.



Questions?

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