

Pawcatuck River Fish Passage Restoration



The Wood Pawcatuck Watershed Association

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Local Non-Profit
Founded in 1983

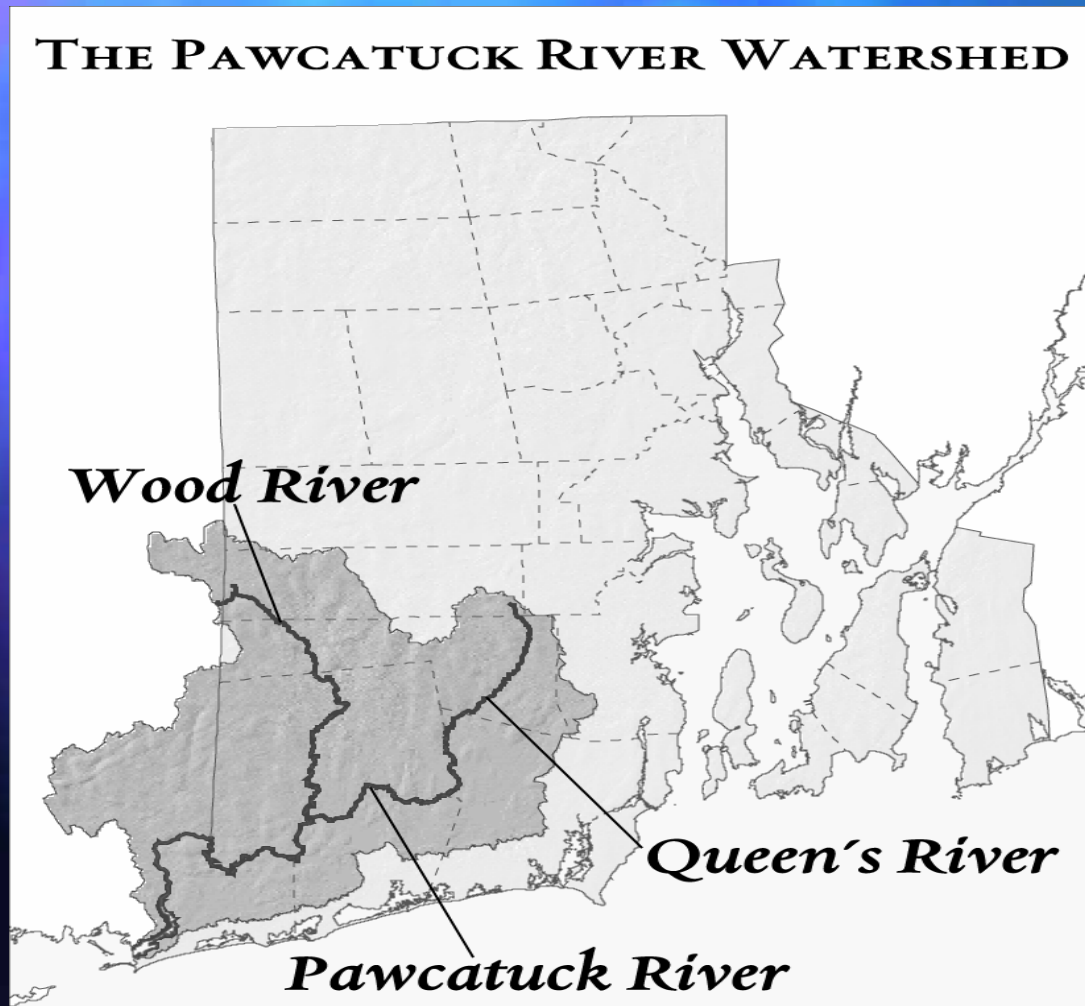
12 Board Members
Small Staff – Large Mission

Over 800 Members
Nearly 1000 Volunteers

RI Watershed
Council

WPWA's Mission

To Promote and Protect the Lands and Waters of



Over 500 Miles
of Rivers &
Streams

300 Square Miles

65% of the
Land Remains
Undeveloped

One of the most
extensively studied
Watersheds in the
Nation

WPWA Stewardship Activities

Water Quality Monitoring

Address Development Concerns

Recreation &
Education

Policy &
Advocacy

Scientific Research

River Restoration

Public Outreach

Public Access

Watershed & Aquifer Protection



The Wood Pawcatuck
Watershed Association

Pawcatuck River

Originates at Worden Pond

Terminates in Little Narragansett Bay/
Long Island Sound

Over 60 River Miles

14 Tributaries

Currently 8 Dams:
3 breeched
2 fish ladders



Pawcatuck River Restoration

2006 – TU & WPWA Conduct Stream Study

2007 – Shannock Study

2008 – Bradford Fish Ladder

2008 – Shannock Project Begins

2009 – Department of Commerce Awards WPWA
\$2,485,564

Pawcatuck Fish Passage

Current Species

- Alewife
- Blueback Herring
- Rainbow Smelt
- Brown Trout
- Brook Trout
- American Eel

Historic Species

- Atlantic Salmon (possible)
- Salter Brook Trout
- American Shad

Shannock River Restoration National Project Partners



Wood-Pawcatuck
Watershed Association



National Oceanic
Atmospheric Admin.



U.S. Fish &
Wildlife Service

American
Rivers



Trout
Unlimited



Natural Resource
Conservation Service

Shannock River Restoration State Project Partners



Wood-Pawcatuck
Watershed Association



RI Coastal Resources
Management Council



Narragansett Bay
Estuary Program



RI Department of
Environmental Mgmt.



Save the Bay

Shannock River Restoration Local & Other Project Partners



Wood-Pawcatuck
Watershed Association



Town of
Richmond



Town of
Charlestown



Richmond Conservation
Commission



Kenyon Industries



Potter Hill Dam

After Shoreline Debris Cleanup with Floating Barrier Still in Place



Already has fish ladders in place – may need renovations.



Bradford Fish Ladder

RIDEM Owned
& Maintained

Dam & Land
Owned by
Bradford Dye

Built by
RIDEM in
1981

Modified by
WPWA, NRCS
& USFWS in
2008



Bradford Fish Ladder



Work completed November 2009

Lower Shannock Falls



Work to start late summer 2010



Traditional Dam Removal Method



Method of Removal for Lower Shannock Dam



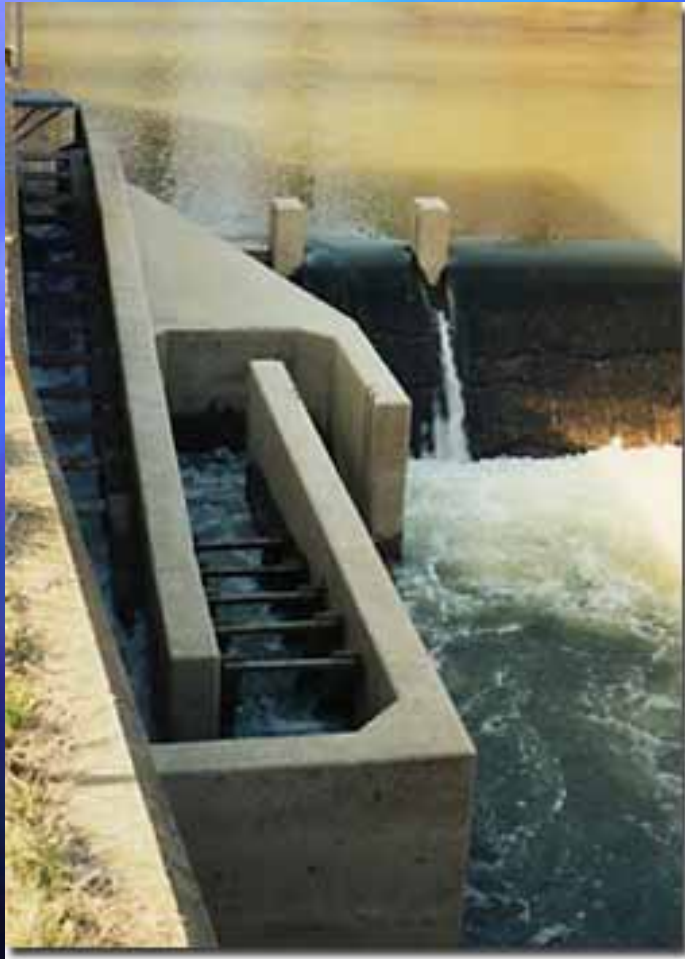
Horseshoe Falls Dam



Work to start summer 2010



Possible Fish Ladders Proposed for Horseshoe Falls



Concrete

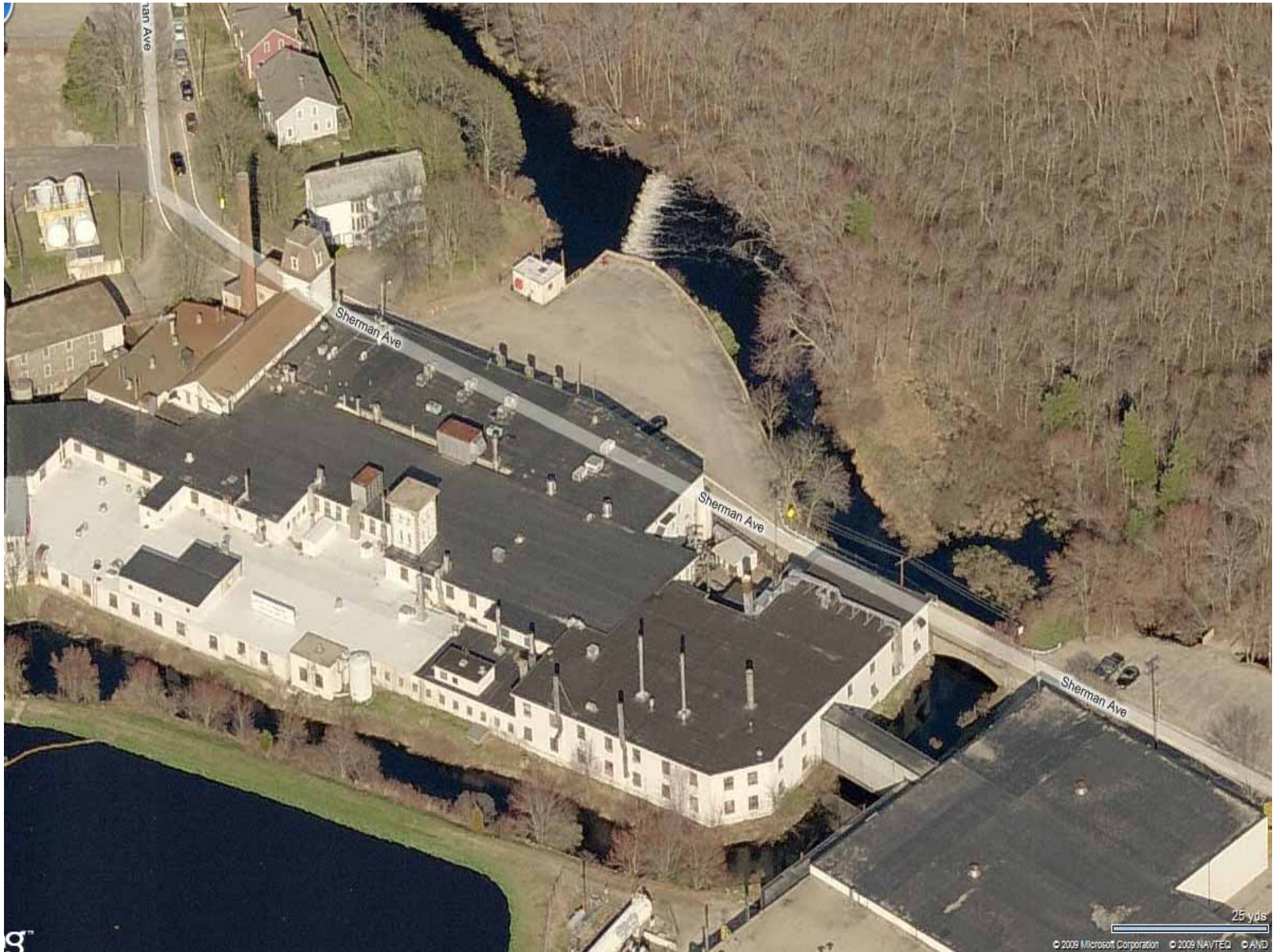


Natural Stone

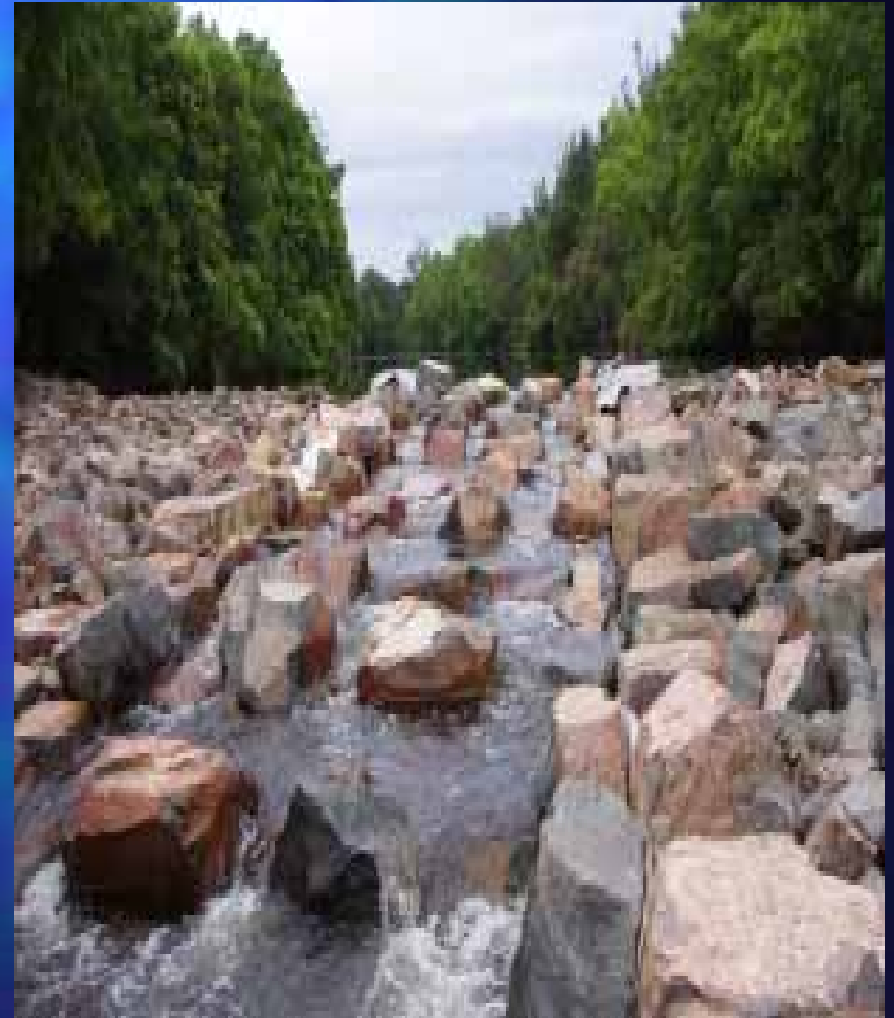
Kenyon Mill Dam



Worked proposed for 2011



Possible Designs - Rock Ramp



WOOD-PAWCATUCK WATERSHED ASSOCIATION



Chris Fox
Executive Director

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www.wpwa.org