Stream Smart

Maine Audubon

Stream Smart Crossings…

Maintain fish and wildlife habitat

while protecting roads and public safety

Stream Smart

Begun in 2011 as the brain-child of Barbara Charry of Maine Audubon and Steve Koenig of Project SHARE

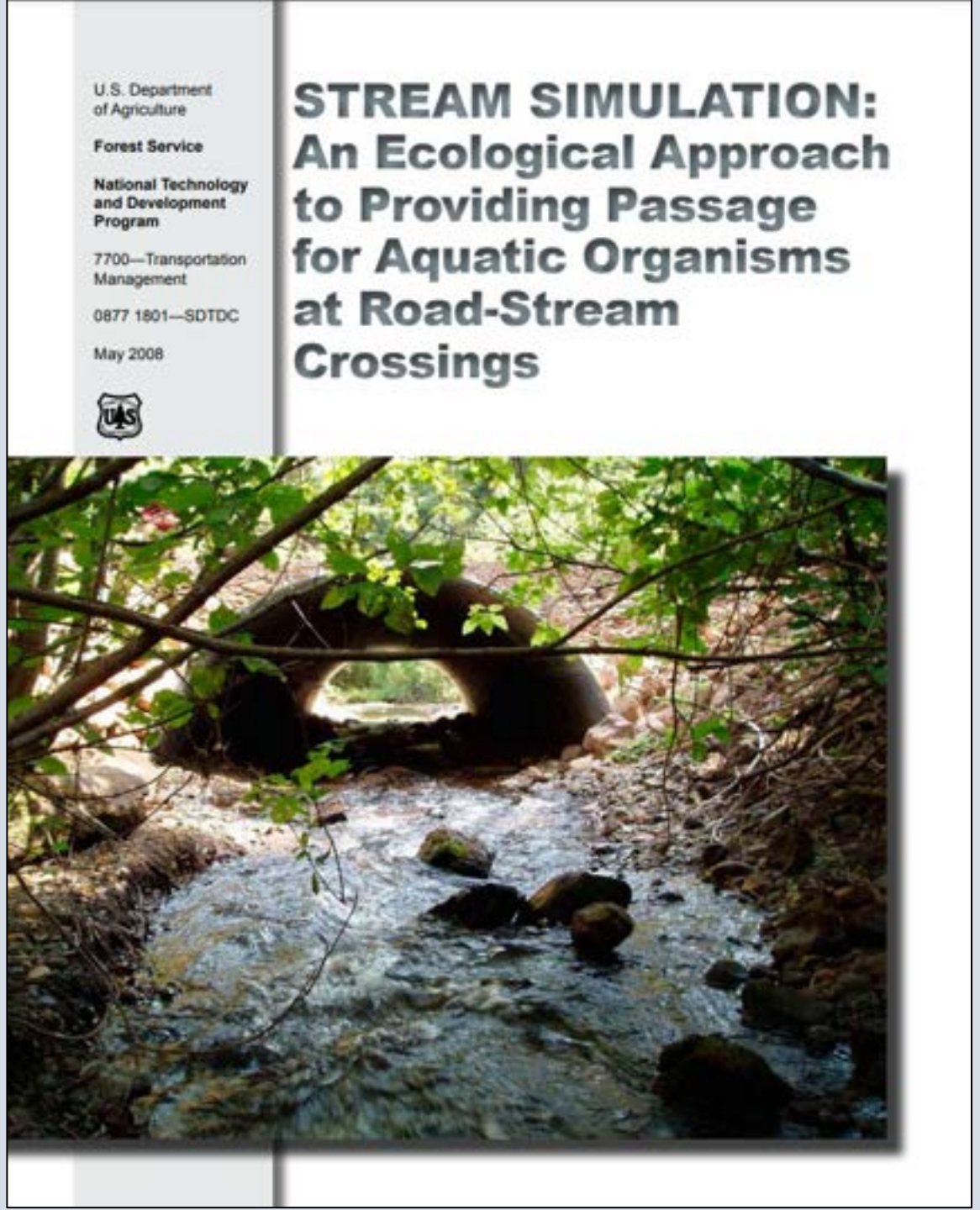
Based on the USFS Stream Simulation Design Approach

Stream Sim

- 5-day training held 2x/year
- Heavy on engineering concepts

Stream Smart

- Distilled Stream Sim to basic principles
- Accessible to wider audience
- Variety of training opportunities



Rules of Thumb (4 S's)

Span the stream

Set elevation right

Slope and skew match stream

Substrate in the crossing

The Golden Rule: Let the stream act like a stream

Stream Smart Workshops: Phase I – Introduction

- Stream Function and Values
- Regulatory Requirements
- Stream Table
- Funding Opportunities

- Half-Day
- Classroom

April 25, 2023 – Dover-Foxcroft
April 28, 2023 – Boothbay

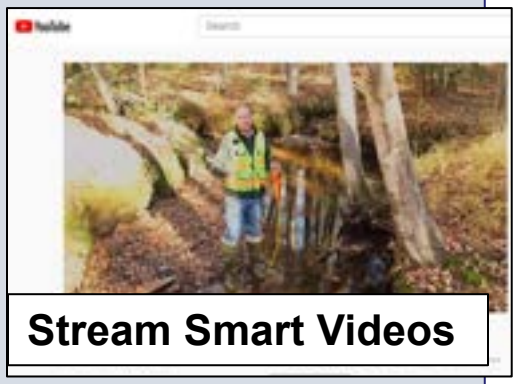
Stream Smart Workshops: Phase II – 2-Day Field Training

- Stream Smart Refresher
- Field Surveys
- Preliminary Design

- Two Full Days
- Classroom + Field
- Hands-On

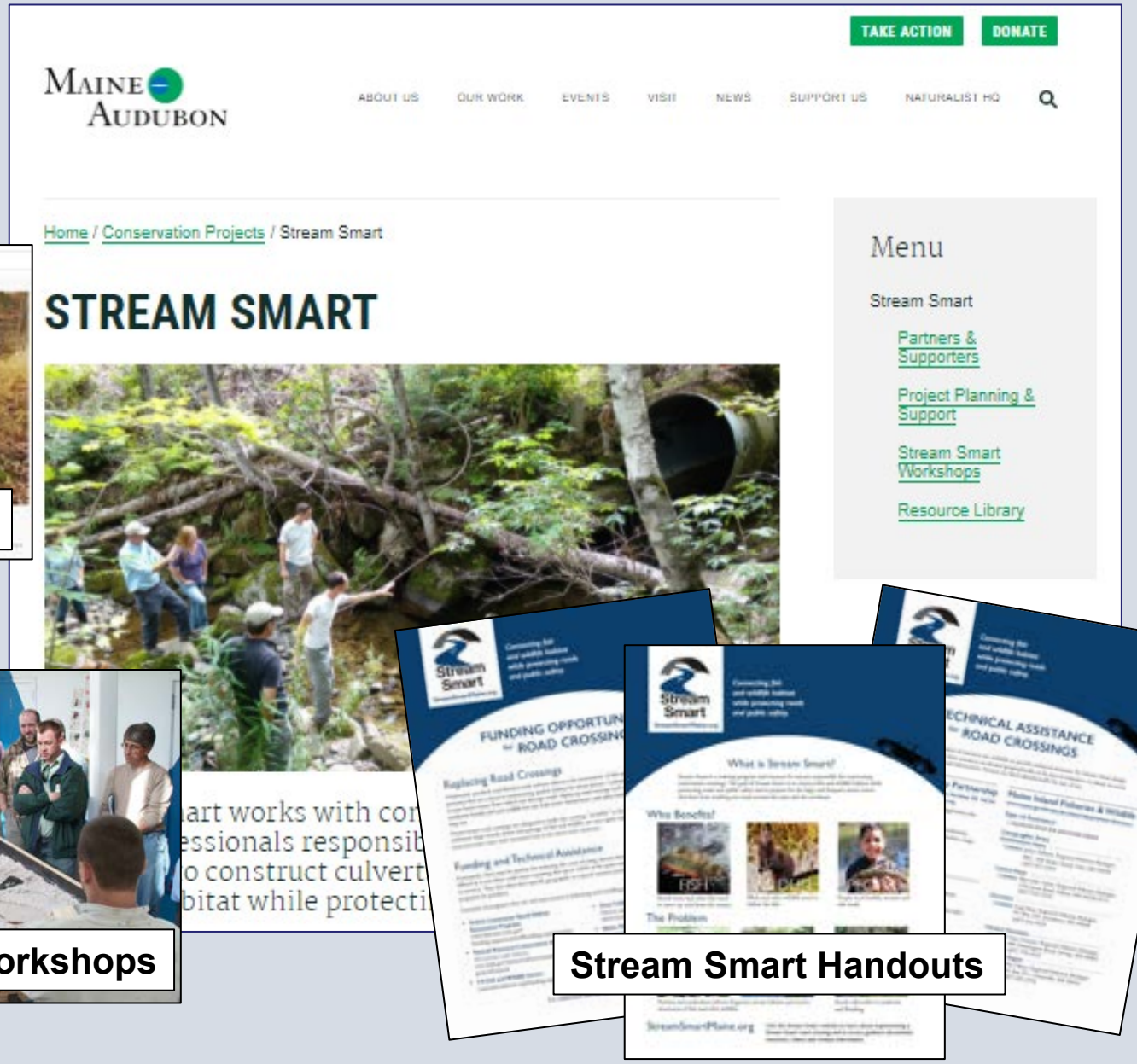
Not Scheduled Yet
Usually in October

StreamSmartMaine.org



Stream Smart Videos

Stream Smart Workshops



Stream Smart Handouts

Audience

- Forest Products Industry
- Municipalities
- Natural Resource Agencies
- Land Trusts
- Contractors & Consultants
- Engineers & Surveyors
- UMaine students
  - Forestry
  - Engineering

Not just implementers, it's also funders, project managers, etc. who need to understand

More diverse than it used to be…

Stream Smart Goals

Fish and wildlife passage

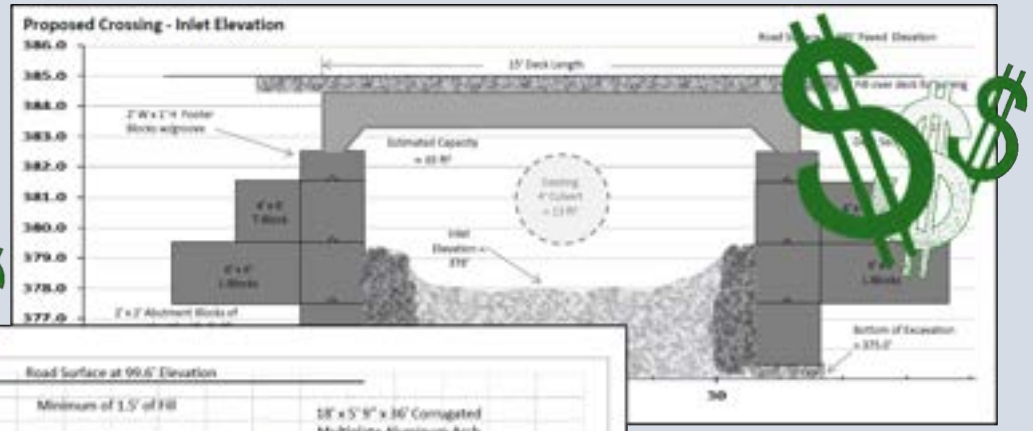
Infrastructure and public safety

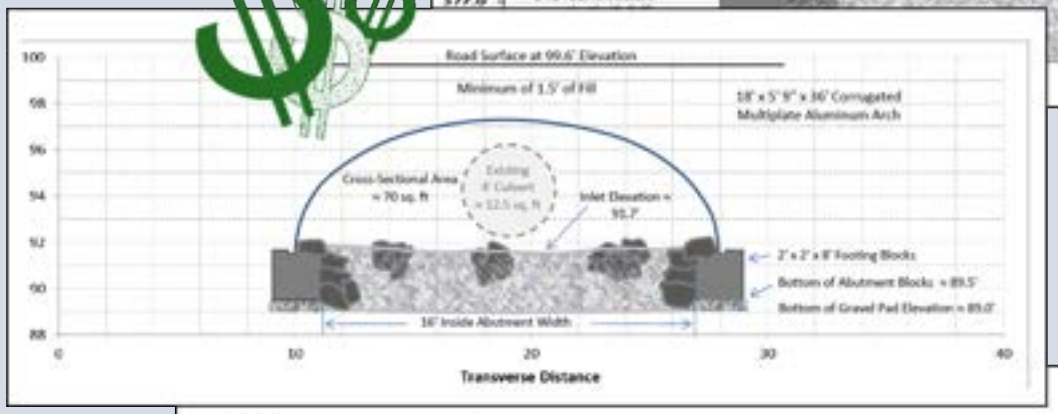
Constraints

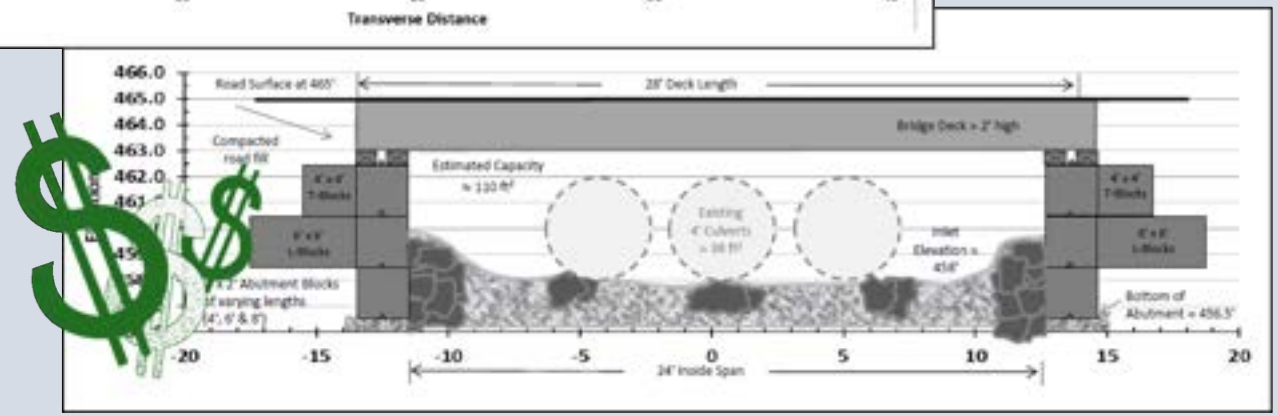
CAPACITY

Over 1500 folks have attended at least one Stream Smart workshop!

FUNDING







Financial Assistance Availability/Limits

- Project Proponent (town, private landowner, land trust, etc.)
- Aquatic resources (Atlantic salmon, brook trout, alewife, etc.)
- Expected improvement (miles of habitat restored, access to ocean, access to ponds, etc.)
- Location in the state
- Other available funds (rarely cover all costs, usually cost share)
- Depends on fund availability in a particular year
- **REQUIRE STREAM SMART DESIGN!**

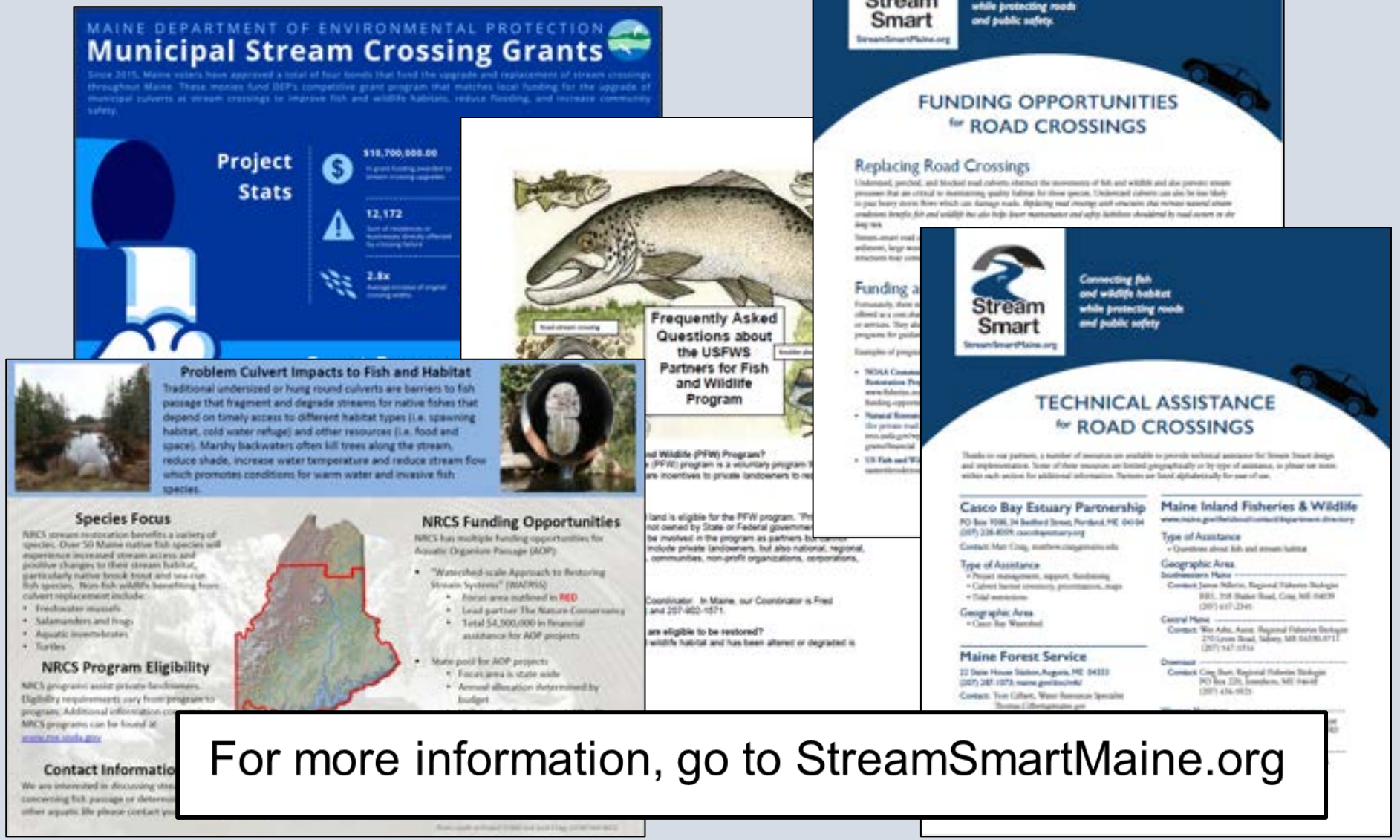
Financial Assistance
Some Sources

- NRCS Regional Conservation Partnership Program (RCPP)
- NOAA grant funds
- USFWS Partners for Fish and Wildlife
- Maine Natural Resource Conservation Program (MNRCP)
- Maine Municipal Culvert Upgrade Grant Program*
- Maine Emergency Management Agency – BRIC grant funds
- Others (Trout Unlimited, Atlantic Salmon Federation, NFWF, etc)

Town – Water Bond Project

Private – NRCS funded project

More Information



For more information, go to StreamSmartMaine.org

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Let the stream act like a stream