



# Town of Bowdoinham

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William S. Post, Town Manager

Municipal Planning Assistance Program  
c/o Ruta Dzenis, Senior Planner  
22 SHS/Harlow Bldg  
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**Progress Report #1 - January 1, 2019 to June 30, 2019**  
**Bowdoinham - Re-Development of Public Works Waterfront Property**  
**NOAA Grant 17 & 18, Project ID #62**

Purpose of the Grant

This project is part of the Town's efforts to re-develop the Town's former Public Works Property on the Cathance River. This property is located on the Town's riverfront and is underutilized given the area's potential for recreation-based economic development. In fact, Midcoast Economic Development District's 2018 Comprehensive Economic Development Strategy lists the Bowdoinham's Waterfront re-development project as one of their Regionally Significant Projects.

This property is located in Beginning with Habitat Program's Kennebec Estuary Focus Area. The property includes large areas of tidal wetland and upland areas that serve important ecological and wildlife habitat functions. In the section of the April 2014 Beginning with Habitat Map for Bowdoinham shown at right, portions of the site are shown as Inland Wading Waterfowl Habitat, Tidal Wading Waterfowl Habitat, and Rare Plant Locations. Given the ecological and habitat considerations, it is especially important that the shoreline stabilization measures employed for this site preserve shoreline habitat and minimize impact. The site appears to be well suited for the application of a living shoreline.

The design would focus on the implementation of one or multiple low-impact or living shoreline stabilization measures and would be coordinated with the Master Site Plan for the Redevelopment of the Public Works Property. Circulation and access will be carefully and comprehensively shaped to ensure and maintain the long-term adaptive integrity of the shoreline, while heightening the public experience and awareness of the benefits of a well-functioning waterfront.

A final aspect to the shoreline stabilization work is the integration of improved water access for hand-carry vessels. Addition of a hand-carry ramp at this site has long been a goal of the Town in order to improve access to the Cathance River and separate hand-carry uses from the already busy public boat ramp at Mailly Park. The shoreline stabilization project provides an

opportunity to design, permit, and construct a hand-carry access that is well integrated with the stabilization measures that are employed.

### Project Participants

Project Manager and contact information:

Nicole Briand, Director of Planning & Development  
Town of Bowdoinham  
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Bowdoinham, ME 04008  
Phone: (207) 666-5531  
Email: nbriand@bowdoinham.com

Project partners:

Baker Design Consultants (consultant)  
Travis Pryor, LEED-AP  
7 Spruce Road  
Freeport, Maine 04032-6202

Richardson & Associates (consultant)  
Robert Massengale  
rm@richardssonassociates.com

### What's Happened So Far

Completed - Task 1 – Topographic Survey:

We have completed the survey work on the parcel with sufficient topographic data to generate 1' contours for the site, and additional detail along the shoreline including upland and bathymetric survey to support the proposed slope stabilization work.

Completed - Task 2 - Ecological Assessment and Wetland Delineation:

Completed the field assessment of the types and locations of natural resources on the property including vegetation types, wildlife habitats, and unique or sensitive features. Delineate wetland boundaries and identify wetland type and significance. This data will provide a detailed understanding of natural resource constraints related to the design and permitting of shoreline stabilization included in Task 4, as well as further site improvement opportunities.

In process - Task 3 - Assessment of Flood Risk:

The detailed survey data obtained in Task 1 is being reviewed and compared to the boundaries of the Special Flood Hazard Area mapped by FEMA in their effective (2015) and historic FIRM's to provide a more detailed understanding of flood risk at the site (note that the base flood elevation at this site has changed in the time since the 1995 survey was completed and the floodplain areas shown on that plan are no longer accurate). Opportunities for removal of areas from the flood zone through a Letter of Map Amendment (LOMA) or Letter of Map Revision–Fill (LOMR-F) process will be investigated and coordinated with design of the shoreline

stabilization and other proposed site improvements. Grant funds will not be used for preparation or submittal of requests to FEMA for a LOMA or LOMR-F process.

Future Plans

To begin in July - Task 4 - Design and Permitting of Slope Stabilization Measures and Shoreline Access:

Complete Design Development and Permitting for shoreline stabilization measures for the property's frontage on the Cathance River. The existing shoreline will be assessed to determine locations and extent of required stabilization, and suitability of various stabilization methods. Design will focus on the implementation of one or multiple low-impact or living shoreline stabilization measures and would be coordinated with the Town's public process for the Master Site Plan for the Re-Development of the Public Works Property.

To begin in September - Task 5 - Education and Outreach:

The Town will coordinate with the Maine Geological Survey on ways to for input on design and educational opportunities. The Town will promote living shoreline projects as a demonstration of environmentally sensitive shoreline stabilization. The Town envisions this as a public process through the design process.

Schedule

As of the writing of this report, we are on schedule, please refer to our attached project schedule.

Payments and Requests

We have incurred the following expenses which have been paid by the Town. We will wait until to submit a grant payment request.

<i>Date</i>	<i>Vendor</i>	<i>Description</i>	<i>Amount</i>
06-15-2019	Richardson & Associates	Project Coordination	\$460.50

Please contact me with any questions.

Sincerely,

Nicole Briand  
Director of Planning & Development  
Town of Bowdoinham  
207-666-5531