Paperwork Reduction Act Information

Natural Resource Damage Assessment Restoration Project Information Sheet

Responses to this collection are voluntary. Collection of restoration project information will be undertaken in order to provide information to Natural Resource Trustees to develop potential restoration alternatives for natural resource injuries and service losses requiring restoration during the restoration planning phase of the Natural Resource Damage Assessment (NRDA) process. Public reporting burden for this collection of information is estimated to average 20 minutes including the time for reviewing instructions, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspects of this collection of information, including suggestions for reducing this burden, to the NOAA Fisheries Office of Habitat Conservation, Restoration Center, Louisiana State University, Sea Grant Building, Room 124C Baton Rouge, LA 70803.

Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

The identity of respondents will not remain confidential. The information collected will be reviewed for compliance with the NOAA Section 515 Guidelines established in response to the Treasury and General Government Appropriations Act, and certified before dissemination.

Natural Resource Damage Assessment (NRDA)

Restoration Project Information Sheet

Guidelines for Completion

Please complete all of the information requested with the best information that you have available. Limited attachments are acceptable if they are necessary to adequately describe the project, however every effort should be made to have all pertinent information included on the Restoration Project Information Sheet. Below are specific guidelines for completion.

A. General Information				
Organization:	The name of the organization or agency submitting the information.			
	If you are applying as an individual indicate by filling this section with "N/A".			
Contact Name:	The first and last name of a person who can be contacted for additional information.			
Title:	The title (or position) of the above individual.			
Address:	The mailing address of the above individual or organization.			
Phone number/Email:	The phone number and email of the above individual.			
Organization Website:	The web page of the above organization or agency.			
B. Project Information				
Type of Project:	A project is considered a "Change to an Existing Project" if the project has been			
	previously submitted through the NRDA project information sheet.			
Project ID Number	If the project is considered a change to an existing project, the Project ID is the unique number given			
	upon submission through the NRDA project information sheet. Otherwise, leave this blank.			
Project name:	The common name of the project, usually a combination of location			
	and restoration activity (e.g., Cross Bayou Mangrove Restoration).			
Location:	The location where the restoration activity will take place (e.g., East Timbalier Island).			
State:	Two-letter abbreviation of the state (s) where the project will take place.			
	If the project occurs across several states list all states separated by commas.			
County/Parish:	County or Parish where the project will be completed. If the project occurs across			
	multiple counties or parishes list only the primary county or parish name.			
Watershed/Basin:	The watershed where the project will be completed. If the project occurs across			
	multiple watersheds list only the primary watershed.			
Latitude/Longitude:	Provide a latitude/longitude of the central location of the project activity. If the activity			
	occurs over a large area you may also attach a map of the area of the activity.			
Project Size:	The size of the area where project activities will occur; designated by linear miles,			
	acres, or tonnage (e.g., area of plantings in a riparian buffer).			
Affected Area:	The area affected or influenced by the project activity; designated by acres			
	(e.g., area of water quality improvement as a result of riparian buffer plantings).			

C. Project Description

A description of the project objectives, activities to be completed and expected outcomes; including information on the benefits of this project to the public and environment. If applicable, use this section to provide additional refinement to habitat and/or resource benefit (e.g., cypress wetland, barrier island). In addition, feel free to attach other information, maps, or diagrams concerning your project. Maximum 2,500 characters.

D. Project Activity(s)

The type of activity the project will complete to address the impacts to priority resources or habitats. Check all that apply.

Restoration: Protection:	Activities conducted to create, enhance, or restore an injured resource or habitat. Activities conducted to protect a resource or habitat by removing the threat to that resource or habitat (e.g., shoreline stabilization, buoys or markers, nest protection).
Debris Removal: Land Acquisition:	Removal of debris to restore and protect a resource or habitat. The acquisition and conservation of land in perpetuity to protect priority resources or habitats.
Maintenance/Management: Education:	Activities conducted to maintain or manage the quality of a resource or habitat (e.g., prescribed burns). Education of a targeted audience to restore or protect priority resources or habitats.

Guidelines for Completion (continued)

E. Project Habitat(s)

The type of habitat that the project activities are located within or will benefit. Check all that apply.

Regions located away from coastlines and the floodplains of rivers, streams, and other bodies of water.
Regions located within or adjacent to open freshwater areas that occur within a defined channel.
Regions that are inundated or saturated by saltwater on a consistent basis.
Regions that are inundated or saturated by freshwater (e.g., surface or groundwater)
on a consistent basis to support saturation tolerant plant species.
Regions along a sandy shoreline that include the area from the mean low tide through the dune system.
Coastal regions that are permanently inundated with salt water (e.g., ocean).

F. Resource Benefit(s)

Primary resources that would benefit from the project. Check all that apply.

Marine Mammals: Birds: Reptiles/amphibians: Fish: Shellfish: Terrestrial Wildlife: Corals: Vegetation: Water column: Sediment / Benthos: Shoreline: Human Use: Status Species:	 Whales (dolphin), Manatees, Otters, etc. All birds Sea turtles, alligators, snakes, lizards, frogs, etc. Nearshore and offshore fish Oysters, shrimp, crabs, etc. All upland animals Shallow and deep water corals All plants (e.g., submergent, emergent, and terrestrial) Water quality and plankton Sediment permanently inundated with water, and organisms associated with the sediment (e.g., worms) Land area adjacent to water (e.g., beaches, marsh) Improved recreation, infrastructure, community resilience, etc. Will this project directly benefit State or Federally listed threatened and/or endangered species? If so, please list them. If not, please indicate N/A.
G. Project Status	
Property/Resource Acquisition:	Acquisition of the property, resource, or landowner agreements (e.g., easements) in which the project activity will occur. Indicate the status by selecting NOT STARTED, IN PROGRESS, COMPLETED, or N/A.
Planning/Design:	Project planning and engineered design of the project activity. Indicate the status by selecting NOT STARTED, IN PROGRESS, COMPLETED, or N/A.
Permitting:	Acquisition of all local, state, and federal permits needed to implement the project activity (e.g., NEPA). Indicate the status by selecting NOT STARTED, IN PROGRESS, COMPLETED, or N/A.
Time to Implementation:	Number of months required to prepare for the start of project activity.
Time to Completion:	Following the start of the project, number of months required to complete the project activity.
Regional Planning:	Is this project included under a regional or statewide plan/initiative? (YES or NO) If yes, please list the plan/initiative in the space provided.
H. Project Cost	
Estimated Cost:	The total cost of the project including any funds contributed
	by the applicant or other organizations (e.g., match funds).
Funding available:	Monies (from the applicant or partnering organizations/agencies) already committed for partial funding of the project activity. Indicate amount in the adjacent box.

H. Project Partners

Please provide the name, contact, and involvement (equipment, matching funds, design, etc.) of other organizations or agencies with the project activities.

Natural Resource Damage Assessment (NRDA) Restoration Project Information Sheet

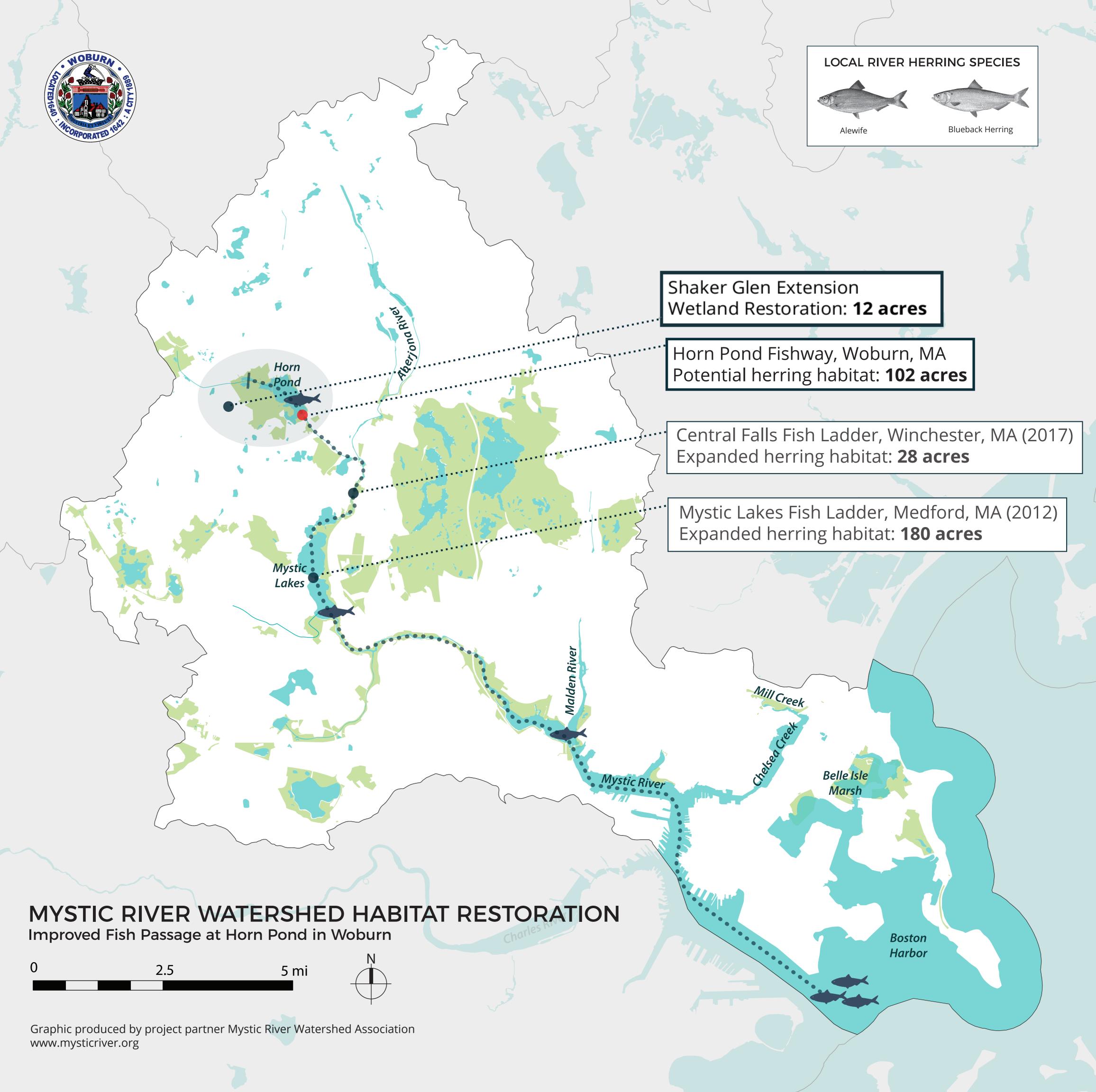
	Orcapization				
A General Information	Organization				
	Contact Name (First Last)	Title			
	Address	City		State	ZIP
	Phone Number Email				
	ext. Organization Website				
B Project Information	Type of Project If this is a Change to an Existing Project, enter the Project ID Number				
	Project Name				
	Location (e.g. John Smith National Wildlife Refuge)				
	State(s) (Use 2-letter abbreviations separated by commas)	County/Parish	Watershed/B	asin	
	Latitude (decimal degrees) Longitude (decimal degrees)	Project Size (Choose one) miles	acres	Affecte tons	ed Area acres
Project Description	Please provide more information about the proposed proj	cct. (Limit 2,500 characters.)			

Natural Resource Damage Assessment (NRDA) Restoration Project Information Sheet (continued)

D	Project Activity(s)	(Check all that apply) Restoration Protection	 Debris Removal Land Acquisition 	Mainten	ance/Management	
C	Project Habitat(s)	(Check all that apply) Upland Riverine	Marine/Estuarine W		Dune (Nearshore/Offshore)	
6	Resource Benefit(s)	(Check all that apply) Check all that apply) Marine Mammals Birds Reptiles/Amphibians Fish Will the project directly benefit State	 Shellfish Terrestrial Wildlife Corals Vegetation 	☐ Shorelin ☐ Human U	nt/Benthos e Use (Recreational, Cultural)	
G Project Status		Property/Resource Acquisition Project Planning/Design Project Permitting.		Time to Implementation Time to Project Completion		
		Is this project included under a region If so, please list:	onal or statewide plan?			
Ð	Project Costs	Estimated Cost		Funding Available		
Project Partners		Partner 1 Organization				
		Partner 1 Contact		Partner 1 Involvement		
Partner 2 Organization						
		Partner 2 Contact Partner 2 Involvement		Partner 2 Involvement		
		Partner 3 Organization				
		Partner 3 Contact		Partner 3 Involvement		

Disclaimer:

The submission of project information does not guarantee project funding. Projects will be evaluated using criteria identified in OPA, NEPA, implementing regulations, and related laws. Selection and funding determinations will be made by the Trustee Council. DOC / NOAA / NMFS / RC / NRDA Restoration Project Information Sheet OMB Control #0648-0497 / Expires 12/31/2019

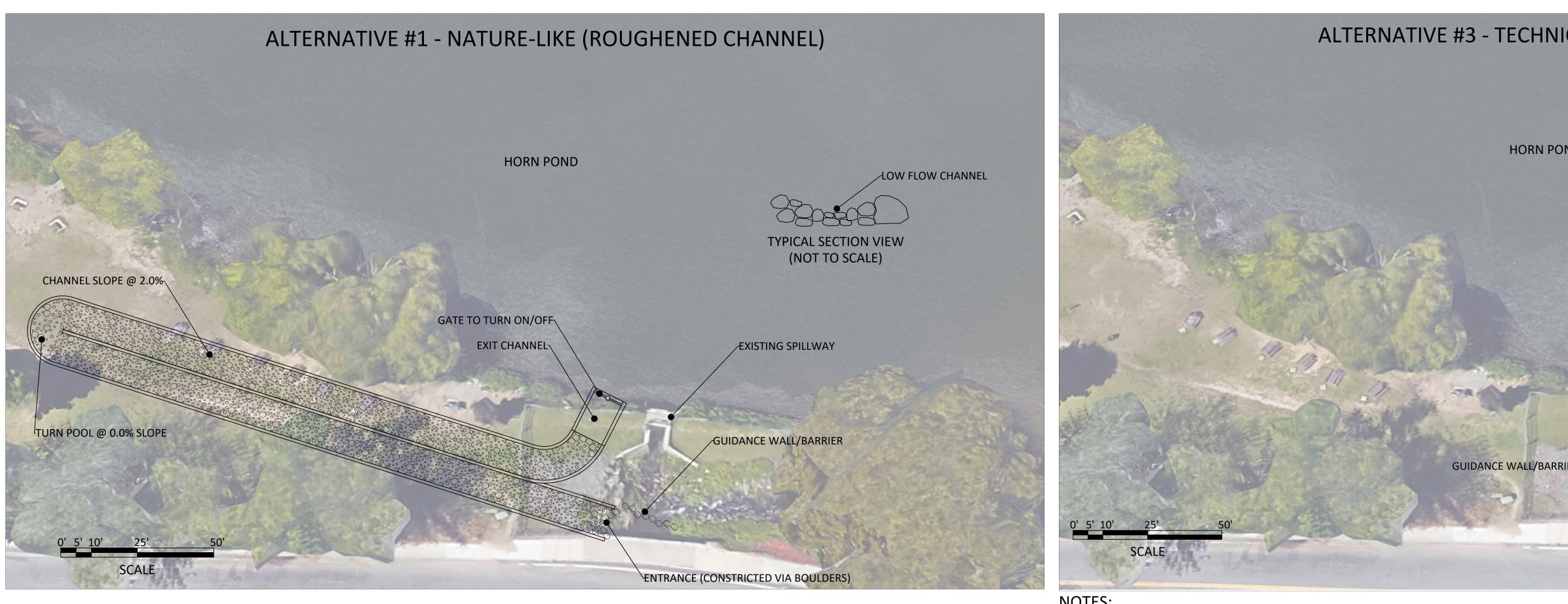


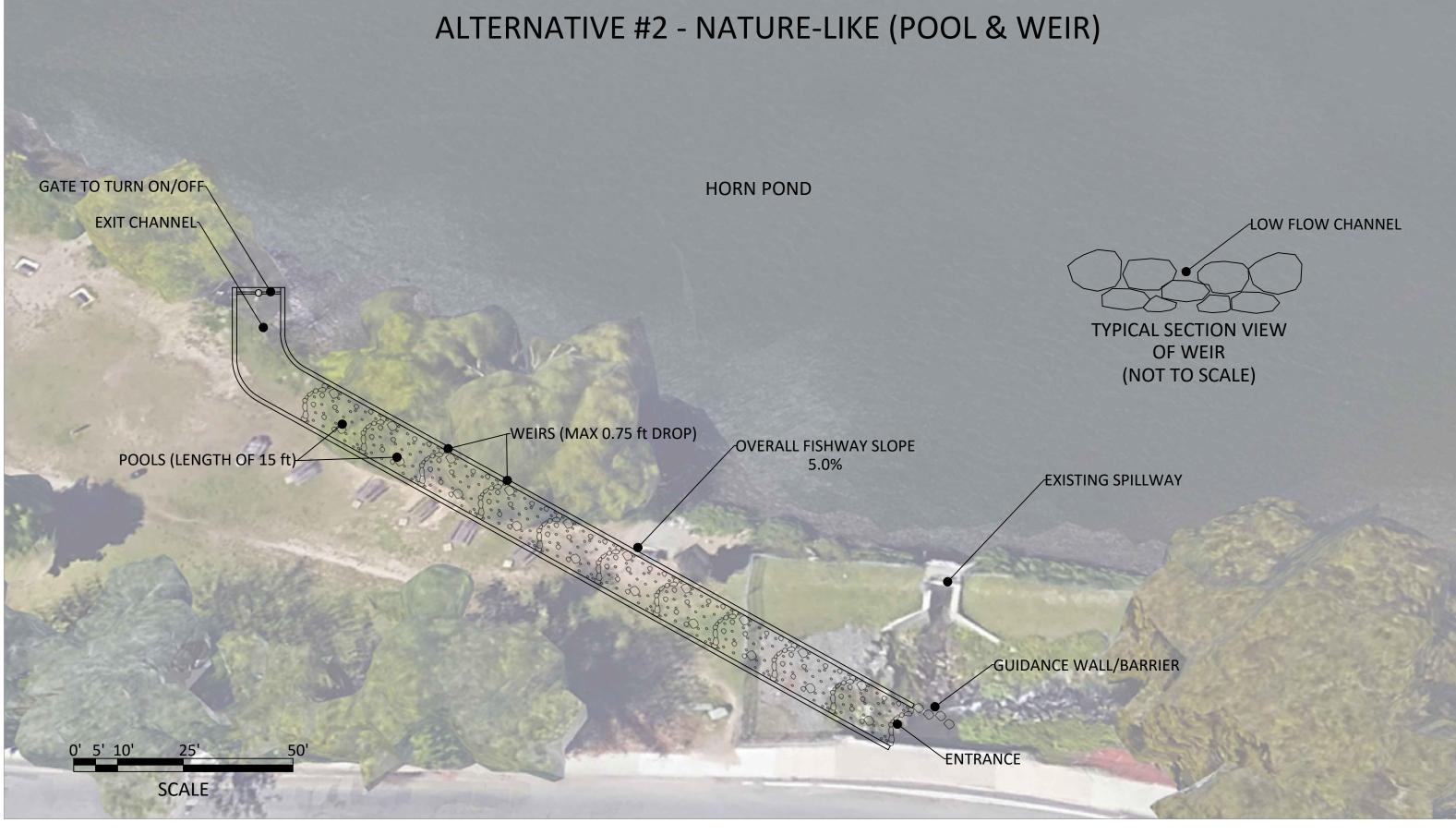


Scalley Dam at the Outlet of Horn Pond with Existing Fish Passage on the Right Photo Credit: Darlene Wigton; <u>http://www.woburnmaps.com/hornpond/dam.htm</u>)



Scalley Dam at the Outlet of Horn Pond





NOTES:

- THE INTENT OF THIS SHEET IS TO DISPLAY CONCEPTUAL FISHWA 1. PASSING THE TARGET SPECIES (RIVER HERRING) FROM HORN PC DEMONSTRATE THE ESTIMATED FOOTPRINT REQUIRED TO FIT 1
- 2. ALTERNATIVES #1 THROUGH #3 REPRESENT THREE DIFFERENT F NATURE-LIKE DESIGN WHICH IS COMPOSED OF A FIXED SLOPE, DESIGN THAT INCORPORATES POOLS AND WEIRS, AND ALTERNA
- 3. ALL THREE ALTERNATIVES WERE DEVELOPED ABSENT OF ANY H AMOUNT OF HEAD (DIFFERENCE IN WATER SURFACE ELEVATIO ASSUMED TO BE 8.0 ft. A 10 ft CHANNEL WIDTH FOR THE NATU TO PASS THE FULL RANGE OF FUTURE FISH PASSAGE DESIGN FL
- THE SLOPES VARY BETWEEN ALTERNATIVES. ALTERNATIVE #1 H 4. AN ASSOCIATED 5% SLOPE BASED ON A DROP PER WEIR OF 0.75 DRAWN AT A 12.5% SLOPE (MAXIMUM SLOPE FOR A DENIL FISH DIFFERING SLOPES. ALTERNATIVE #1 WOULD REQUIRE APPROX ESTIMATED TO NEED 180 ft, AND ALTERNATIVE #3 WOULD REQ
- 5. A GUIDANCE WALL/BARRIER HAS BEEN INTEGRATED IN ORDER POSSIBLE ENTER THE FISHWAY RATHER THAN GETTING ATTRACT **RECOMMENDED FOR ALL THREE ALTERNATIVES.**
- 6. NOTE THAT THE WEIRS INCORPORATED IN ALTERNATIVE #2 DO NOT HAVE TO CONSIST OF NATURAL MATERIAL (e.g., STONE) BUT COULD BE CONSTRUCTED WITH CONCRETE.

CAL FISHWA	Y (DENIL)
1D	
	ÆXISTING SPILLWAY
-	SLOPED LEG (12.5%) 24 BAFFLES
1	EXIT CHANNEL
	ENTRANCE CHANNEL
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OND BROOK INT THE SPECIFIC TEC FISHWAY DESIGN ROUGHENED CH ATIVE #3 IS A CO YDRAULICS AND N BETWEEN THE JRE-LIKE DESIGN OWS. HAS THE SHALLO 5 ft AND 15 ft LO HWAY). THE FISH (IMATELY 400 ft UIRE THE LEAST TO ENSURE AS I	T WOULD HAVE THE CAPABILITY OF O HORN POND. THE PRESENTED LAYOUTS CHNOLOGY TO THE SITE. NOPTIONS. ALTERNATIVE #1 IS A IANNEL. ALTERNATIVE #2 IS A NATURE-LIKE MMON TECHNICAL FISHWAY (DENIL). HYDROLOGIC ANALYSES. THE TOTAL TAILWATER AND HEADPOND) WAS SWAS ASSUMED TO HAVE THE CAPACITY WEST SLOPE AT 2%, ALTERNATIVE #2 HAS ONG POOLS, AND ALTERNATIVE #3 HAS BEEN HWAY LENGTHS VARY DUE TO THE OF LINEAR LENGTH, ALTERNATIVE #2 IS AMOUNT OF LENGTH AT ROUGHLY 80 ft. MANY UPSTREAM MIGRATING FISH AS LWAY FLOW. THIS FEATURE IS
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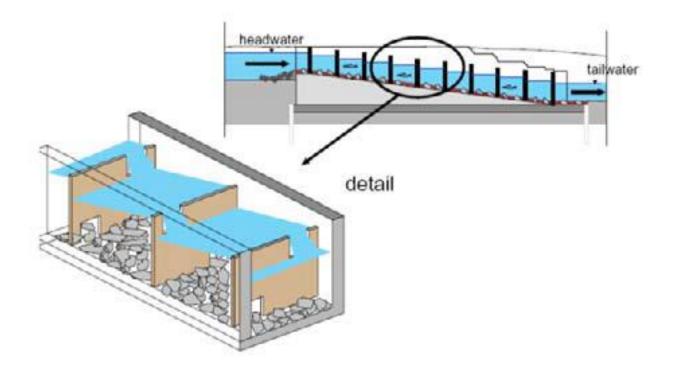
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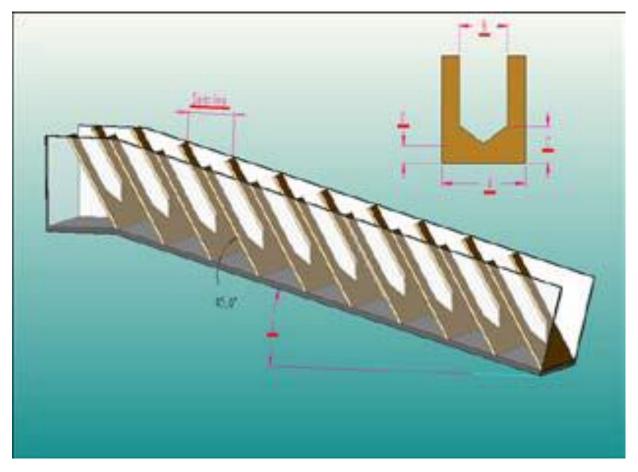


Nature-like fishway; bypass design

(NOAA undated, https://sero.nmfs.noaa.gov/habitat_conservation/documents/fish_passage_primer.pdf)



Pool and Weir Fishway (NOAA undated, <u>https://sero.nmfs.noaa.gov/habitat_conservation/documents/fish_passage_primer.pdf</u>)



Denil fishway with typical baffle design and nominal dimensions

(NOAA undated, https://sero.nmfs.noaa.gov/habitat_conservation/documents/fish_passage_primer.pdf)

