

Hingham Naval Ammo Depot

Weymouth, Norfolk County; and
Hingham, Plymouth County;
Massachusetts

Community Meeting

Hingham, Massachusetts

March 29, 2018



US Army Corps of Engineers
BUILDING STRONG®





Agenda

- Welcome and Introductions
- Site History
- Previous Studies
- Explanation of Remedial Investigation/Feasibility Study
- Questions and Answers





Regulatory Framework

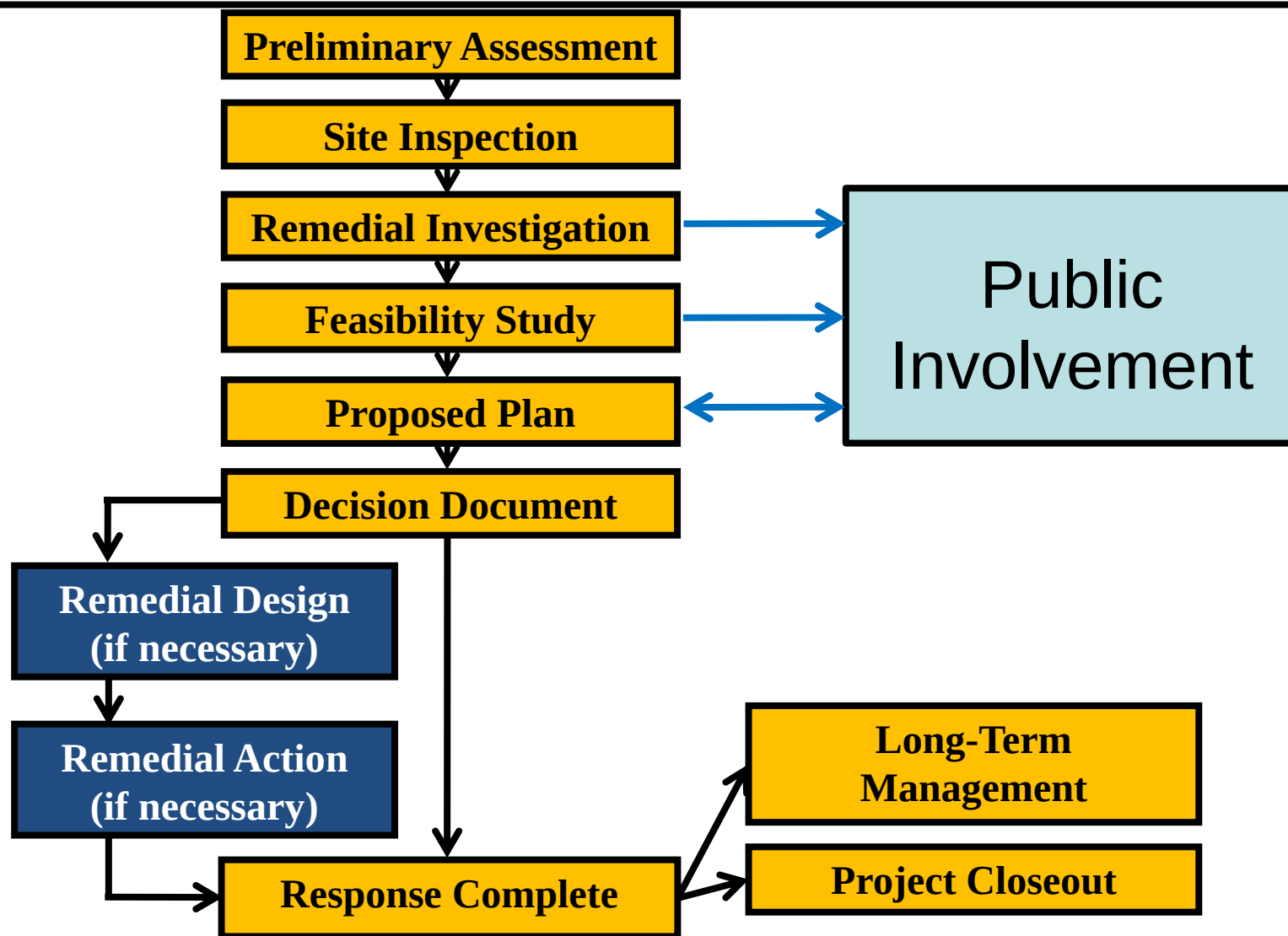
- Site is a Formerly Used Defense Site (FUDS)
- United States Army Corps of Engineers (USACE) is the lead agency for addressing FUDS
- USACE has surveyed and assessed and prioritized all FUDS
 - ▶ Hingham NAD was not identified as presenting an imminent threat
- Specifically the site is in the Military Munitions Response Program (MMRP), and follows the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA [Superfund]) process
- We have coordinated with Massachusetts Department of Environmental Protection, Boston Federal Facilities Group on all related work at this FUDS





MMRP and CERCLA Process

Comprehensive Environmental Response, Compensation, and Liability Act





Hingham NAD Site History

- Plymouth County and Norfolk County on the northern edge of Weymouth Back River in Hingham and Weymouth, MA
- Acquired and used by the military from 1911 - 1962
- 991 acres of land and water in, and surrounding, the Weymouth Back River
- Currently, the property is owned by the Town of Hingham and Town of Weymouth and utilized as the Bare Cove Park and Great Esker Park





Hingham NAD Site History

(continued)

- The Navy used the Hingham NAD to supply ordnance to ships and aircraft primarily during the preparation and engagement of World Wars I and II.
- All six Munitions Response Sites (MRSs) were used from 1911 to 1962.





Previous Activities

- 1996 – Archive Search Report (ASR)
- 2008 – Site Inspection (SI) for Munitions and Explosives of Concerns (MEC) and Munitions Debris (MD)
- 2014 – Inventory Project Report (INPR) and Revised INPR



Remedial Investigation / Feasibility Study
 Quality Assurance Project Plan
 Hingham Naval Ammunition Depot
 Hingham, MA
 (FUDS # D01MA0022)



**Map B-1
 Site Location**

Legend

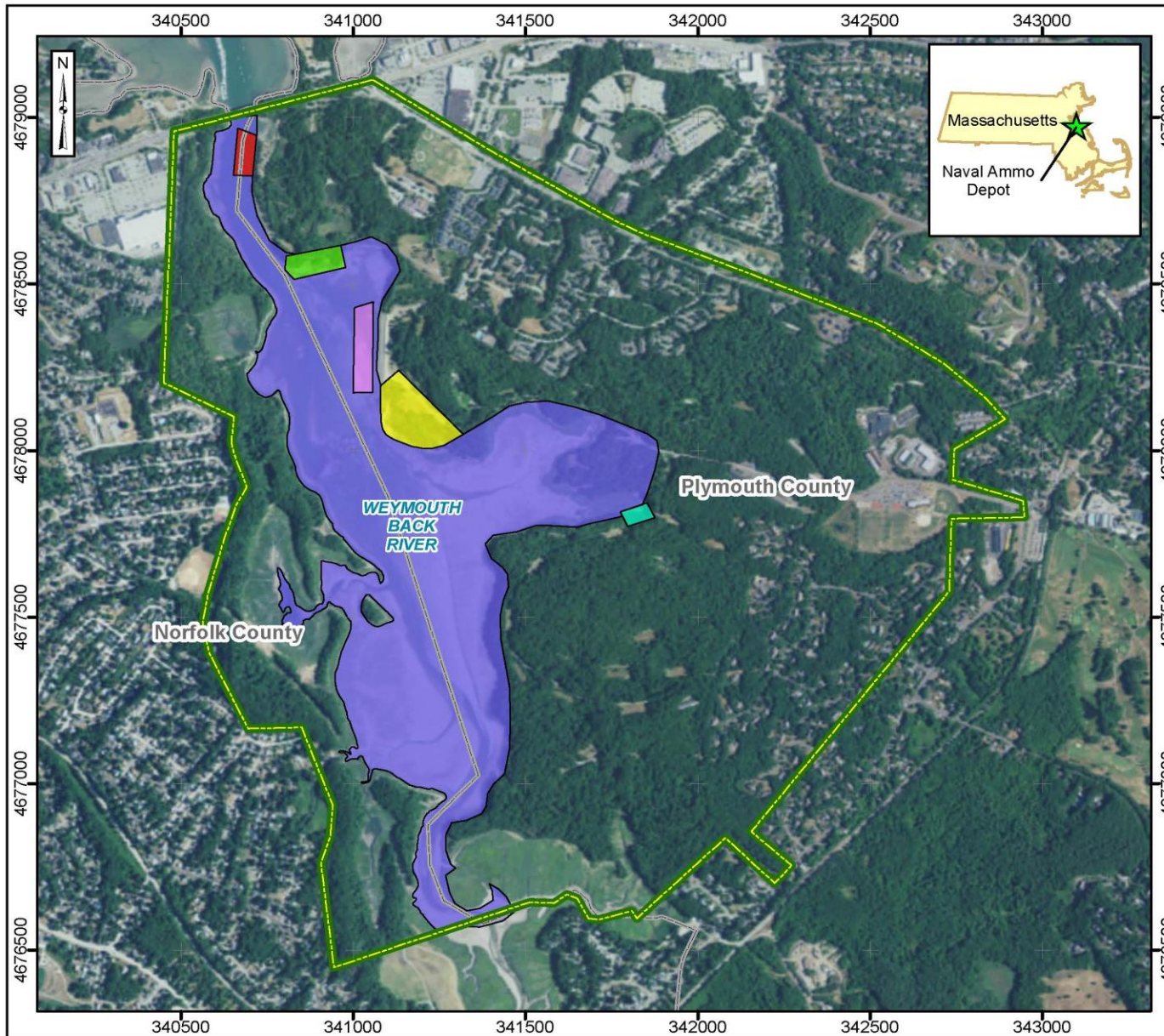
- FUDS Property Boundary
- County Boundary
- Burial Area MRS
- Dump Area MRS
- Furnace Area MRS
- North Pier MRS
- South Pier MRS
- Weymouth Back River MRS

0 250 500
 Meters

0 1,000 2,000
 Feet

Data Sources: ESRI, ArcGIS Online,
 Aerial Imagery

Coordinate System: UTM Zone 19N
 Datum: WGS84
 Units: Meters





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ARCADIS
a joint venture

Map B-2 North Pier MRS Site Details

Legend

-  FUDS Property Boundary
-  MRS Boundary

0 50 100
Meters

0 100 200
Feet

Data Sources: ESRI, ArcGIS Online,
Aerial Imagery

Coordinate System: UTM Zone 19N
Datum: WGS84
Units: Meters

Remedial Investigation/ Feasibility Study

Munitions Response Site 04: North Pier

- 1.8 acres (Water)
- Historical Use (1911-1961): Used for transportation of packaged ammunition.



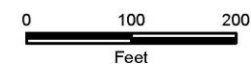
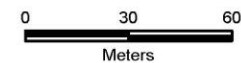
Remedial Investigation / Feasibility Study
Quality Assurance Project Plan
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**Map B-3
Dump Area MRS
Site Details**

Legend

-  MRS Boundary
-  High Water Line



Data Sources: ESRI, ArcGIS Online,
Aerial Imagery

Coordinate System: UTM Zone 19N
Datum: WGS84
Units: Meters





Remedial Investigation/ Feasibility Study

Munitions Response Site 05 – Dump Area

- 1 acre (land)
- Historical Use (1911-1961): Steep bank used for the disposal of solid waste, included munitions debris (fuzes and booster parts) and munitions related materials (empty ammunition cans, shipping pallets, etc.).





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Map B-4 South Pier MRS Site Details

Legend

 MRS Boundary

0 50 100
Meters

0 100 200
Feet

Data Sources: ESRI, ArcGIS Online,
Aerial Imagery

Coordinate System: UTM Zone 19N
Datum: WGS84
Units: Meters

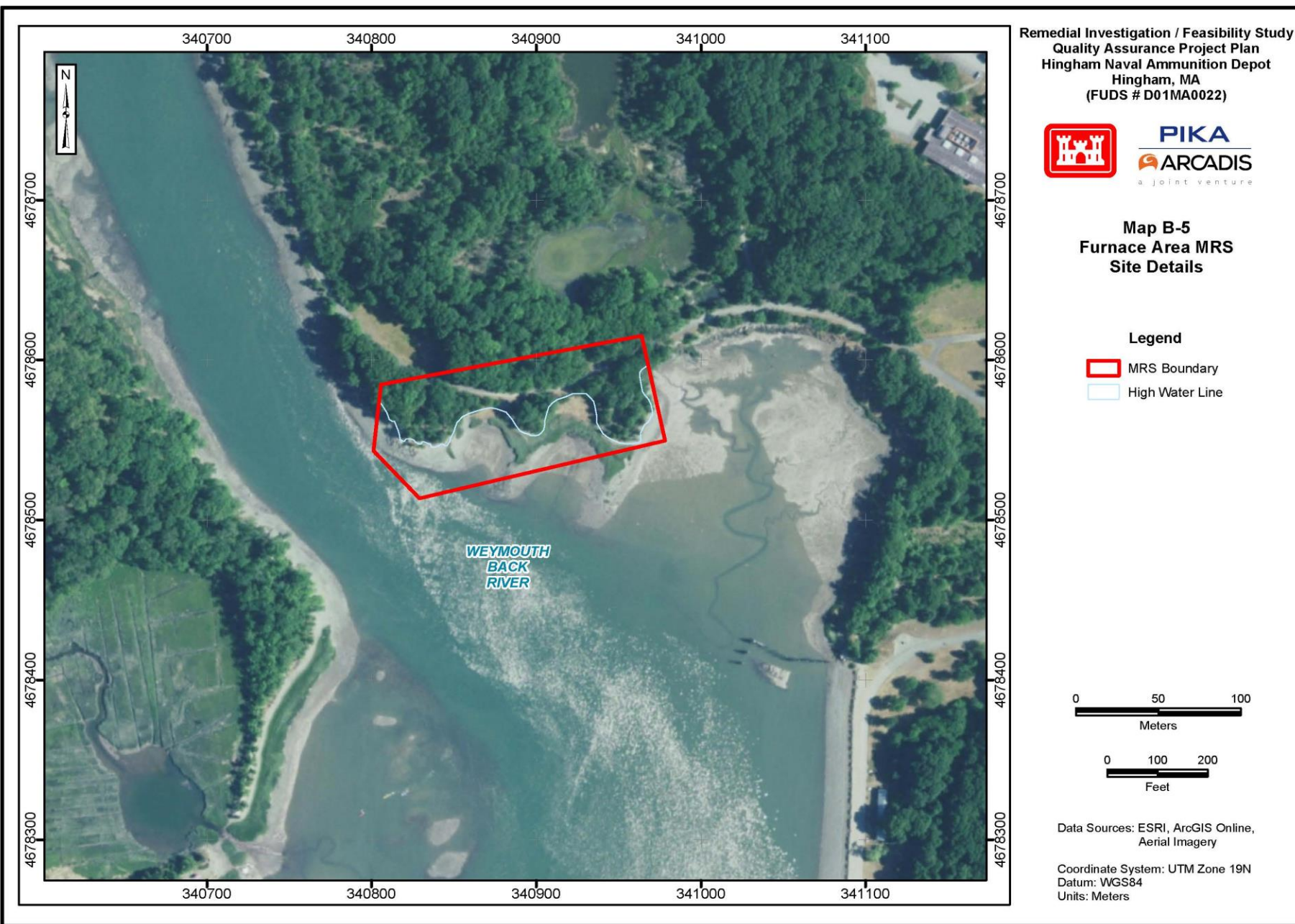


Remedial Investigation/ Feasibility Study

Munitions Response Site 06: South Pier

- 3.5 acres (water)
- Historical Use (1911-1961):
Used for transportation of
packaged ammunition.







Remedial Investigation/ Feasibility Study

Munitions Response Site 07: Furnace Area

- 3 acres (1.6 acres in the water).
- Historical Use: Used from 1911 to 1961 and consisted of a relatively small building that housed a “popping” furnace that was used for disposal of unserviceable and unused munitions (e.g., small arms, medium caliber, pyrotechnics, fuzes, boosters, bursters, and flares).



Remedial Investigation / Feasibility Study
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Map B-6
Weymouth Back River MRS
Site Details

Legend

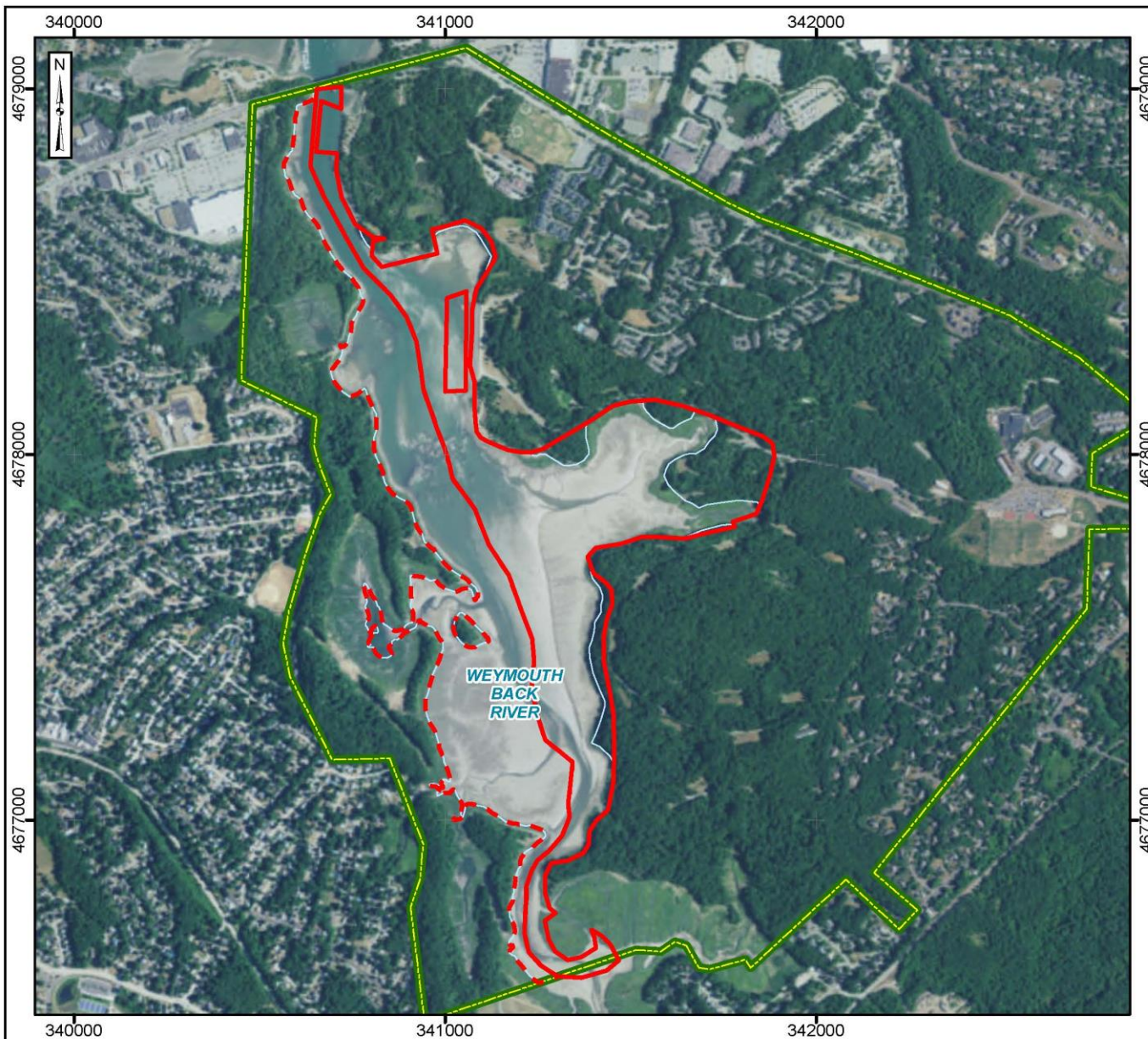
-  FUDS Property Boundary
-  Original Weymouth Back River MRS (133.5 acres)
-  Expanded Weymouth Back River MRS (94 acres)
-  High Water Line

0 200 400
Meters

0 500 1,000
Feet

Data Sources: ESRI, ArcGIS Online,
Aerial Imagery

Coordinate System: UTM Zone 19N
Datum: WGS84
Units: Meters





Remedial Investigation/ Feasibility Study

Munitions Response Site 08: Weymouth Back River

- 227 acres, 203 acres (water) and 24 acres (land).
- Historical Use:
Used for transportation of packaged ammunition.



341000 341100 341200 341300



341000 341100 341200 341300

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Map B-7
Burial Area MRS
Site Details

Legend

 MRS Boundary

0 25 50
Meters

0 100 200
Feet

Data Sources: ESRI, ArcGIS Online,
Aerial Imagery

Coordinate System: UTM Zone 19N
Datum: WGS84
Units: Meters



Remedial Investigation/ Feasibility Study

Munitions Response Site 09: Burial Area (Dump)

- 8.2 acres (land)
- Historical Use: Used from 1911 to 1961 for the disposal of solid waste, potentially including MEC and/or MD and other munitions related materials.





Remedial Investigation/ Feasibility Study

- Identify and characterize the nature and extent of impacts
- Assess potential hazards/risks to human and ecological receptors and leaching potential from soil to groundwater
- Determine future actions
 - ▶ No Action
 - ▶ Remedial or Removal Action



Underwater
Investigation



Digital Mapping



Soil Sampling





Remedial Investigation/ Feasibility Study

Work Includes:

- Limited vegetation removal (in coordination with the town) and civil surveys
- Metal detection (on land and in water)
- Digging selected metallic objects below the ground surface
- Collecting environmental samples (soil, sediment, and groundwater)



Process

- Complete site preparation (vegetation removal, utility clearance, civil surveys)
- Collect data along transects (paths) and in grids on land and water (Spring 2018)
- Analyze data and investigate metallic objects below the ground surface (Spring and Summer 2018)



What's Next

- Evaluate data to determine future efforts
- Complete report with recommendations (anticipated Summer 2018 to Fall 2019)
- Present Proposed Plan with preferred alternative (anticipated Fall 2019)
- 30 day public comment period on Proposed Plan





Safety Zone Process

- Army Regulations require a safety zone around areas where digging occurs
- The public **MUST** stay out of safety zones while crews are digging
- Primarily impacts Bare Cove Park, Great Esker Park (eastern edge along water), and the Weymouth Back River
- Coordination with town personnel and Public Safety Departments





Safety Zone Process

- The Town will be provided a schedule of planned work areas and weekly progress updates regarding the safety zones
- Notification of park closures and safety zone issues will be coordinated through the town (e.g., social media, signage at park entrance, etc.)
- Safety zones will be marked by barricades, signage, and/or caution tape and will be constantly monitored by on-site personnel with real time communication to the investigative team





What to Expect

- Fieldwork beginning in Spring and ending in Summer
- Ongoing communications and awareness throughout the project (i.e., public meetings, fact sheets, public notices, signage, etc.)
 - ▶ Hingham POC: Tom Mayo
 - ▶ USACE POC: Gina Kaso
 - 978-318-8180
 - Gina.A.Kaso@usace.army.mil
- Proposed Plan Public Meeting





Be Informed

Project planning documents available at:

- Hingham Public Library, 66 Leavitt Street, Hingham, MA 02043, 781-741-1405
- Tufts Library (Weymouth), 46 Broad Street, Weymouth, MA 02188 , 781-337-1402
- Hingham Town Hall Selectmen's Office



Telephone: 978-318-8180



Email: Gina.A.Kaso@usace.army.mil





Remember the 3Rs

In the event something suspicious is encountered at the Former Hingham NAD please remember the 3Rs.

Recognize – the item you found may be dangerous

Retreat – leave the item where it is, do not touch it and leave the area

Report – Call 911 and report what you found. The local police will know what to do

 **R**ecognize  **R**etreat  **R**eport

