



**BOUCHARD B120 RELEASE
SHORELINE SEGMENT SUMMARY**

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GeoInsight Project Number 3871-002

SEGMENT IDENTIFICATION: **W1E-05**

SEGMENT NAME: **Mattapoissett Harbor East**

SEGMENT LOCATION: **Mattapoissett, Massachusetts** (*Map attached*)

MAXIMUM DEGREE OF INITIAL OILING: Moderate (Oiling Score: 1.26)

SEGMENT INSPECTION STATUS: Passed IRAC inspection on 08/21/2003.

SITE-SPECIFIC INFORMATION

PHYSICAL CHARACTERISTICS:

Primary Shoreline Type/ Geology:

- 1D: Rip rap seawalls, bulkheads, piers, docks, and pilings.

Secondary Shoreline Type/ Geology:

- 1B: Less utilized semi-public and private sand beaches;
- 1C: Mixed sand and gravel, gravel (pebble to boulder), and rip rap groins (jetties); and
- 1F: Salt marshes.

Hydrogeology:

- Mattapoissett Harbor is located to the west and Buzzards Bay to the south.

Bedrock Geology:

- Bedrock underlying this segment is identified as undivided granite, gneiss, and schist (Zen, 1983).

ENVIRONMENTAL SENSITIVE RECEPTORS (Identified within 500 feet of segment):

Aquifer: None at segment.

Protected Open Space: At segment.

Public Ground Water Supply Wells: None at segment.

Public Surface Water Supply Wells: None at segment.

Areas of Critical Environmental Concern (ACEC): None at segment.

Vernal Pools: None.

Priority Habitats of Rare Species: Adjacent to segment: Buzzards Bay aquatic environment.

Estimated Habitats of Rare Wildlife: Adjacent to segment: Buzzards Bay aquatic environment.

Floodplains: At segment: 100-year floodplain.

HUMAN SENSITIVE RECEPTORS (Identified within 500 feet of segment):

Segment Use: Private and semi-public beaches. Residential dwellings are located within 500 feet of the segment. A portion of segment is accessible via roadway.

Frequency of Use: Presumably seasonal and year round residential use.

SUMMARY OF INSPECTION ACTIVITIES

WRF INSPECTIONS

(Wildlife Field Reconnaissance- Shoreline or On-Water Observations; Bird Transect Study.)

WRF inspections pertaining to this segment were not conducted.

NRDA FIELD ACTIVITIES SUMMARY

(Natural Resource Damage Assessment)

Note: Includes Shoreline Cleanup Assessment Team (SCAT) inspections and activities. SCAT forms were completed by field inspection teams working under the direction of Unified Command.

DATE	SUMMARY OF INFORMATION RECORDED BY INSPECTION TEAM
05/21/2003	Area of oil (approximately 50 meters long and 1 to 3 inches thick) observed. Tarballs and tar patties observed in the upper tidal zone. Cleanup crew was on-site during the inspection.

IRAC INSPECTIONS

(Unified Command Immediate Response Action Completion inspections and activities.)

DATE	SUMMARY OF INFORMATION RECORDED BY INSPECTION TEAM
08/21/2003	Two areas of splatter observed on cobbles. Inspection team wiped splatter or removed small cobbles with splatter. Segment met IRAC criteria endpoints.

MCP FIELD ACTIVITIES SUMMARY

(Massachusetts Contingency Plan inspections and activities under the direction of the Licensed Site Professional-of-Record.)

DATE	SUMMARY OF INFORMATION RECORDED BY INSPECTION TEAM
04/23/2004	IRA Citizen Call Field Response: A representative of the Mattapoissett Boat Yard called GeoInsight reporting oil staining on one boat parked in the water. GeoInsight visited location and met with caller. The staining appeared to be a brownish red on the bottom side of the boat on water line of parked boat. Evidence of oil was not observed. One piece of uncoiled snare removed and stored on-site for future proper disposal.
05/13/2004	Follow up to IRA Citizen Call Field Response: Follow-up to response call inspection on 04/23/04. Staining on side of the subject boat where brownish red staining was identified was wiped. Stain residue was determined not to be oil.



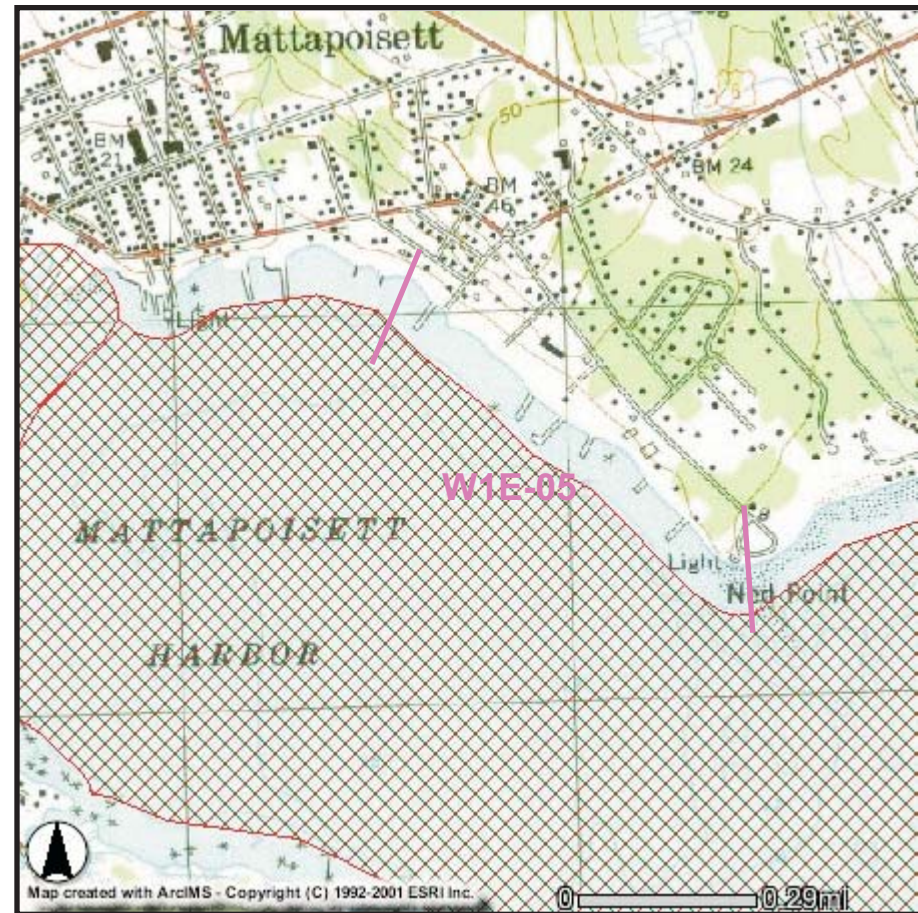
0 250 500 1,000 Feet



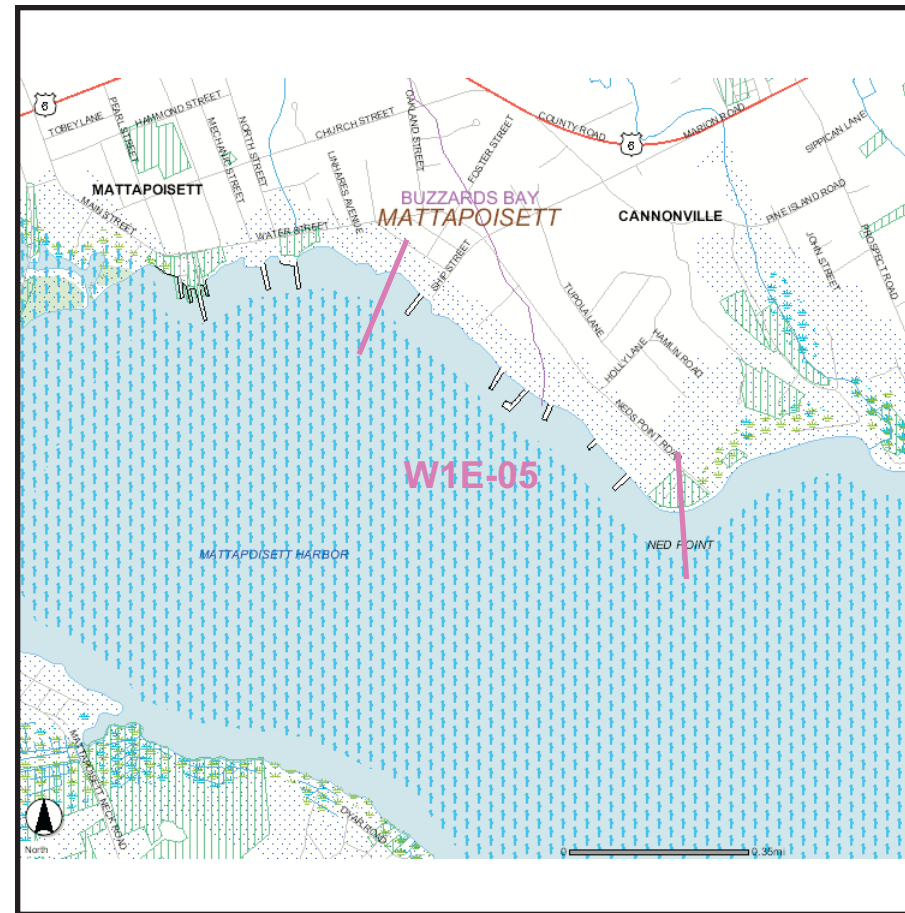
E N T R I X

W1E-05
Mattapoisett Harbor East
Bouchard B No. 120 Oil Spill
Buzzards Bay, MA

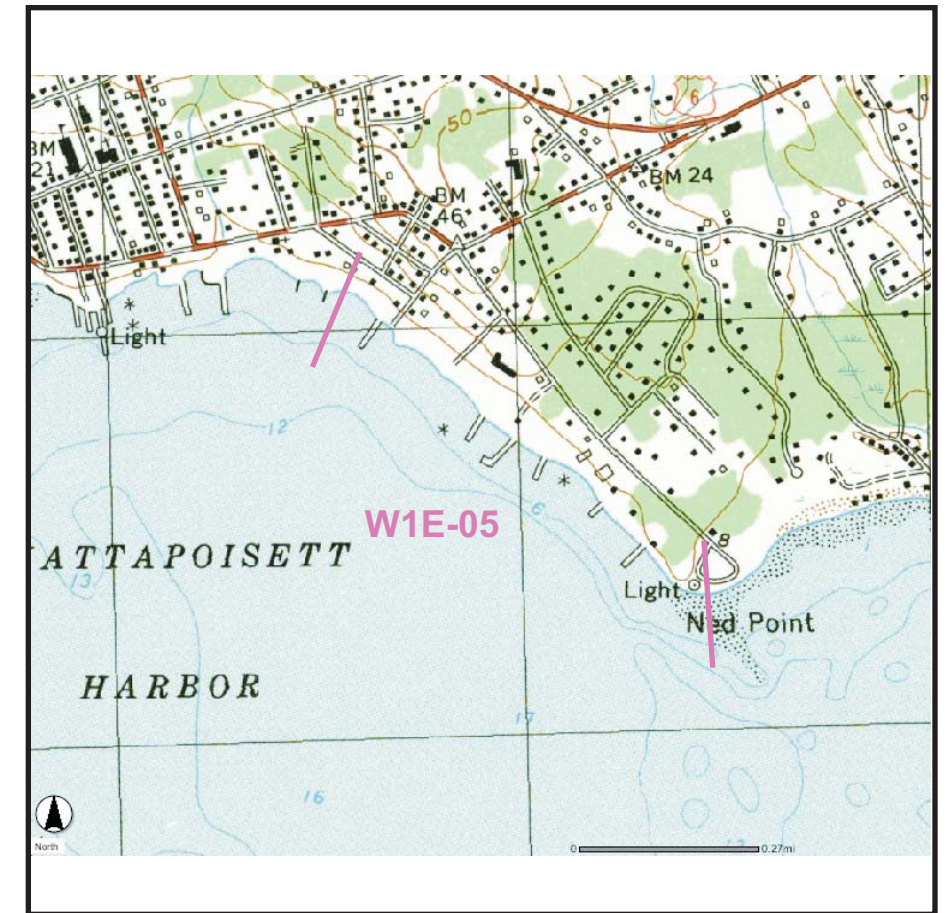
NATURAL HERITAGE AND ENDANGERED SPECIES MAP





2IE PRIORITY RESOURCE MAP













































TOPOGRAPHIC MAP




LEGEND

-  NHESP 2005 MA PRIORITY HABITATS FOR STATE-PROTECTED RARE SPECIES
-  NHESP 2005 MA ESTIMATED HABITATS OF RARE WILDLIFE

DEP MCP 21e Map Legend

- | | | | |
|---|---|--|---|
| <ul style="list-style-type: none">  Zone IIs  IWPA's  Zone A  Sole Source Aquifers  Solid Waste Sites  Protected Openspace  ACECs  NHESP Estimated Habitat of Rare Wildlife in Wetland Areas  Certified Vernal Pools 2003 NHESP  Subbasins  Mass Major Basins  DEP Region  Town Arcs  County Boundaries | <ul style="list-style-type: none">  HIGH YIELD  MEDIUM YIELD  Non Potential Drinking Water Source Area  HIGH YIELD  MEDIUM YIELD  FEMA Floodplains  100 YEAR FLOODPLAIN | <ul style="list-style-type: none">  WATER  RESERVOIR  WETLANDS  SALT WATER WETLANDS  FLATS SHOALS  PERENNIAL  INTERMITTENT  SHORELINE  MAN MADE SHORE  DAM  AQUEDUCT | <ul style="list-style-type: none">  LIMITED ACCESS HIGHWAY  MULTILANE HWY. NOT LIMITED ACCESS  OTHER NUMBERED HWY  MAJOR ROAD - COLLECTOR  MINOR STREET OR ROAD, RAMP  TRACK  TRAIL  PIPELINE  POWERLINE  TRAIN |
|---|---|--|---|



		PROJECT:		
		B120 OIL SPILL		
TITLE:		LOCATION:		
		MATTAPoisETT HARBOR EAST BUZZARDS BAY, MA		
PHASE II SUPPORTING MAPS				
DESIGNED:	DRAWN:	CHECKED:	APPROVED:	FIGURE #:
LAC	JKB	KDT	MJW	WIE-05
SCALE:	DATE:	FILE:	PROJECT #:	
AS SHOWN	01/25/06	3871WIE-05	3871-002	



Map Document: (J:\Ar\view7079607 - BuzzardsBaySpill\Geoinsight\Report 1-05\Shoreline Segment Summary rev RR 6-05-06.mxd)

Trench Location

- 11/2004
- 10/2004
- 09/2004
- 08/2004
- 07/2004
- 06/2004
- 04/2004
- 03/2004
- 01/2004
- 12/2003
- 11/2003
- 10/2003
- 09/2003

- ✿ Nearshore Subtidal Sediment Sampling Location 2004
- ✿ Deep Subtidal Sediment Sampling Location 2004
- ✿ Subtidal Sediment Sampling Location 2003
- ▲ Qualitative Shellfish Surveys 2004
- ◆ Marsh Sampling Location 2004
- ◆ Marsh Core Sampling Location 2004
- Water Sampling Location 2004
- Water Sampling Location 2003
- ★ Intertidal Sediment Sampling Location 2003
- ★ Intertidal Sediment Sampling Location 2004

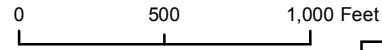
- ✦ Shellfish Sampling Location
- ▲ Chain Drag Location 2003
- ▲ Chain Drag Location 2004
- Lobster Pot Sampling Location 2003
- Absorbent Pad Sampling Location 2003
- ⚠ Dive Sites
- ⚠ Wetlands
- Nests
- ⊕ Vernal Pool
- ⊕ NHESP 2003 Priority Habitats for State-Protected Rare Species

OILING

- NO DATA
- CLEAN
- VERY LIGHT
- LIGHT
- MEDIUM
- HEAVY

IRAC ESI

- Public-Private Sand Beach (1A/1B)
- Mixed Sand and Gravel (1C)
- Marsh (1F)
- Rocky Shoreline (1E)
- Riprap, Groin, Jetty (1D)
- Visual Inspection of Marsh Area



ENTRIX

W1E-05
Mattapoisett Harbor East,
Mattapoisett
Comprehensive Activities
Bouchard B No. 120 Oil Spill
Buzzards Bay, MA