



**BOUCHARD B120 RELEASE
SHORELINE SEGMENT SUMMARY**

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GeoInsight Project Number 3871-002

SEGMENT IDENTIFICATION: **W1F-07**

SEGMENT NAME: **Mattapoisett Shores**

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

MAXIMUM DEGREE OF INITIAL OILING: Moderate (Oiling Score: 2.94)

SEGMENT INSPECTION STATUS: Passed IRAC inspection on 08/27/2003.

SITE-SPECIFIC INFORMATION

PHYSICAL CHARACTERISTICS:

Primary Shoreline Type/ Geology:

- 1B: Less utilized semi-public and private sand beaches.

Secondary Shoreline Type/ Geology:

- 1C: Mixed sand and gravel (pebble to boulder) and rip rap groins (jetties).

Hydrogeology:

- Mattapoisett Harbor is located to the north and Buzzards Bay to the southeast.

Bedrock Geology:

- Bedrock underlying this segment is identified as "Alaskite" bedrock formation. This bedrock consists of mafic-poor gneissic granite commonly containing muscovite (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 at segment.

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
05/10/2003	Trace sporadic splatter oil was observed in the wrack line in the upper intertidal zone.
05/17/2003	A discontinuous area of oil coating (including tarballs and tar patties) was observed with approximately 11% to 50% surface oil coverage in the upper tidal zone near the southern portion of Ocean Drive, Daisy Way to Shore Avenue, and the Pier. Trace oil coating (approximately 1% to 10% surface oil coverage) was observed between Shore Avenue and Bay View Avenue. Oiled snare was observed.
05/31/2003	Small drops of oil and tar patties were observed along the wrack line and upper tidal zone. An area with approximately less than 1% surface oil coverage (approximately 20 by 100 feet) was observed. Limited visibility noted during inspection due to wrack cover. Cleanup crew was on-site during the inspection.
06/06/2003	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
08/27/2003	Trace splatter was observed on rock surfaces. 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
07/29/2004	Site reconnaissance, potential buried oil inspection, and shellfish bed evaluation: 5 trenches (approximately 5 to 8 feet long and 3 to 10 inches deep) were excavated and 5 areas were raked offshore. Evidence of oil was not observed.

GeoInsight did not receive IRA citizen calls pertaining to this segment.



W1F-07

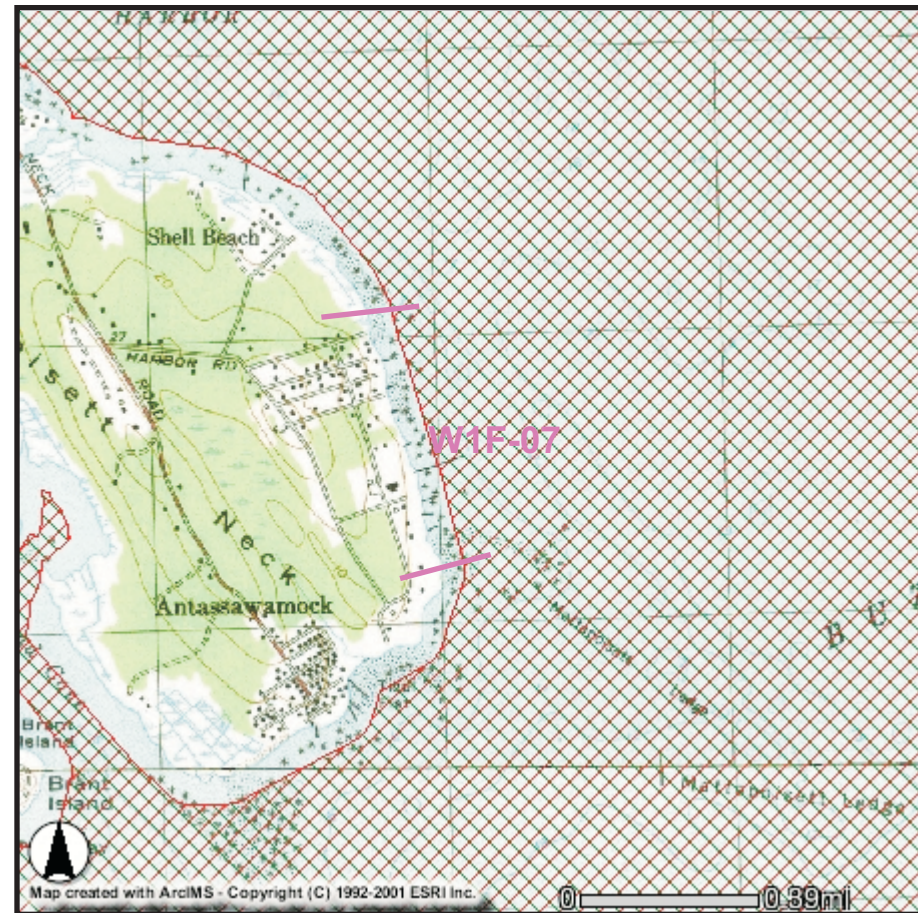
0 250 500 1,000 Feet



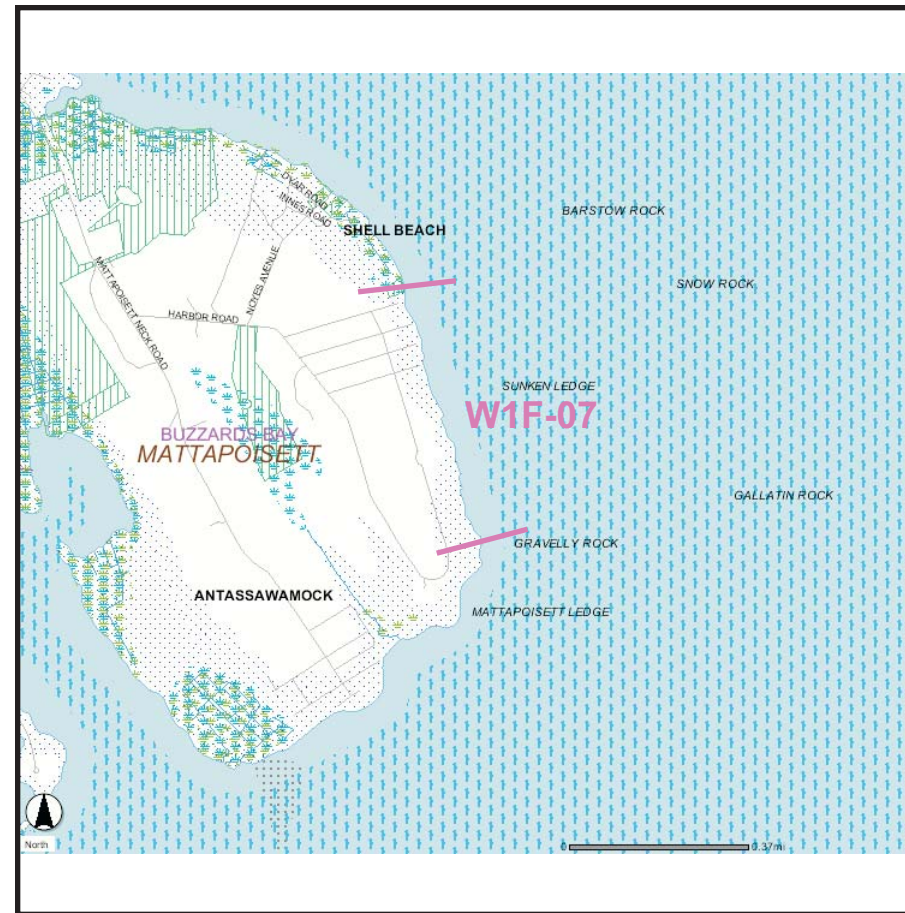
E N T R I X

W1F-07
Mattapoissett Shores
Bouchard B No. 120 Oil Spill
Buzzards Bay, MA

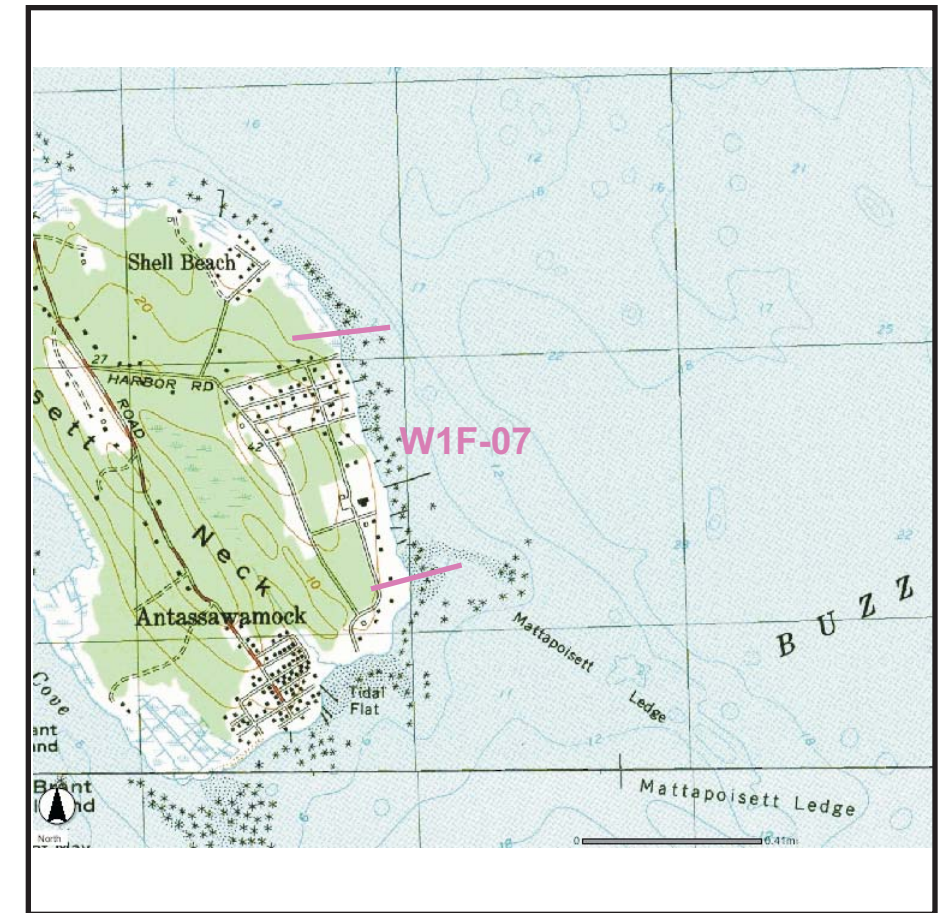
NATURAL HERITAGE AND ENDANGERED SPECIES MAP





2IE PRIORITY RESOURCE MAP













































TOPOGRAPHIC MAP




LEGEND

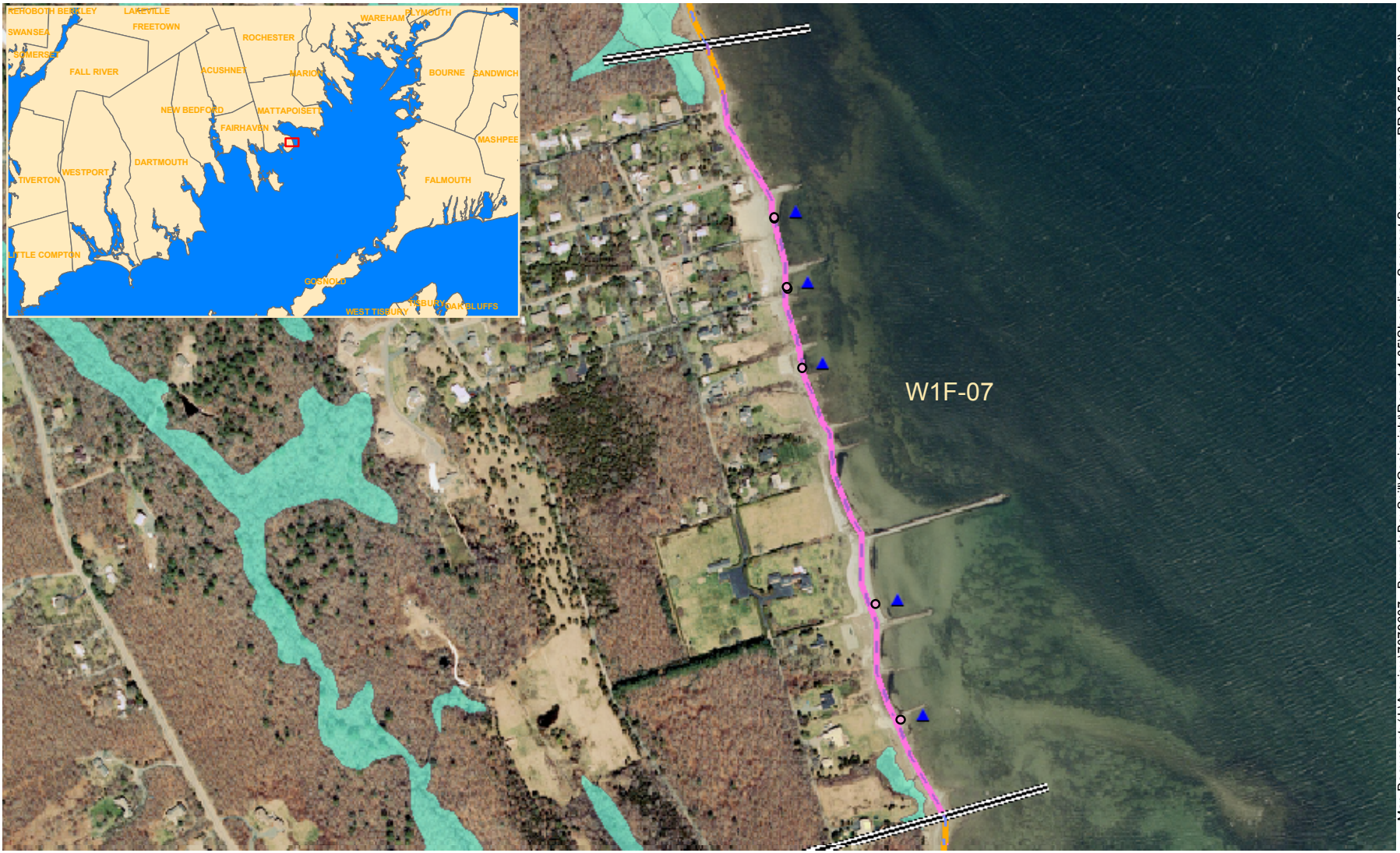
-  NHESP 2005 MA PRIORITY HABITATS FOR STATE-PROTECTED RARE SPECIES
-  NHESP 2005 MA ESTIMATED HABITATS OF RARE WILDLIFE

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  SALTWATER 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		
		LOCATION: MATTAPOISETT SHORES BUZZARDS BAY, MA		
TITLE: PHASE II SUPPORTING MAPS				
DESIGNED: LAC	DRAWN: JKB	CHECKED: KDT	APPROVED: MJW	FIGURE #: WIF-07
SCALE: AS SHOWN	DATE: 01/25/06	FILE: 3871WIF-07	PROJECT #: 3871-002	



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

W1F-07
Mattapoisett Shores,
Mattapoisett
Comprehensive Activities
Bouchard B No. 120 Oil Spill
Buzzards Bay, MA