



**BOUCHARD B120 RELEASE
SHORELINE SEGMENT SUMMARY**

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GeoInsight Project Number 3871-002

SEGMENT IDENTIFICATION: **W1F-08**

SEGMENT NAME: **Mattapoissett Neck East**

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

MAXIMUM DEGREE OF INITIAL OILING: Heavy (Oiling Score: 1.08)

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

SITE-SPECIFIC INFORMATION

PHYSICAL CHARACTERISTICS:

Primary Shoreline Type/ Geology:

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

Secondary Shoreline Type/ Geology:

- 1B: Less utilized semi-public and private sand beaches; and
- 1F: Salt marshes.

Hydrogeology:

- Mattapoissett River is located to the northwest, Mattapoissett Harbor to the north, and Buzzards Bay to the southeast. Portions of the segment are saltwater wetlands.

Bedrock Geology:

- Bedrock underlying the southern portion of the segment coast line is "Biotite Gneiss Near New Bedford", which consists of layered feldspathic gneiss. Bedrock underlying the northern portion of the segment coastline consists of the "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: At segment and adjacent to segment: Buzzards Bay aquatic environment.

Estimated Habitats of Rare Wildlife: At segment and 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
05/11/2003	Oiled wrack was observed. Cleanup crew was on-site during the inspection.
05/19/2003	Surficial oil coating, tarballs, and tar patties were observed in middle intertidal zone. Approximately 1% to 10% surface oil coverage was observed.

IRAC INSPECTIONS

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

DATE	SUMMARY OF INFORMATION RECORDED BY INSPECTION TEAM
08/27/2003	One tar patty was removed from site. 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: Two trenches (approximately 5 to 8 feet long and 3 to 10 inches deep) were excavated and one area was raked offshore. Evidence of oil was not observed.
09/10/2004	Two tacky tar patties (approximately 16 and 4 inches in diameter) were found and removed near N41°38.332' W70°48.170' under a jetty boulder on a private sand and cobble beach.

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



W1F-08

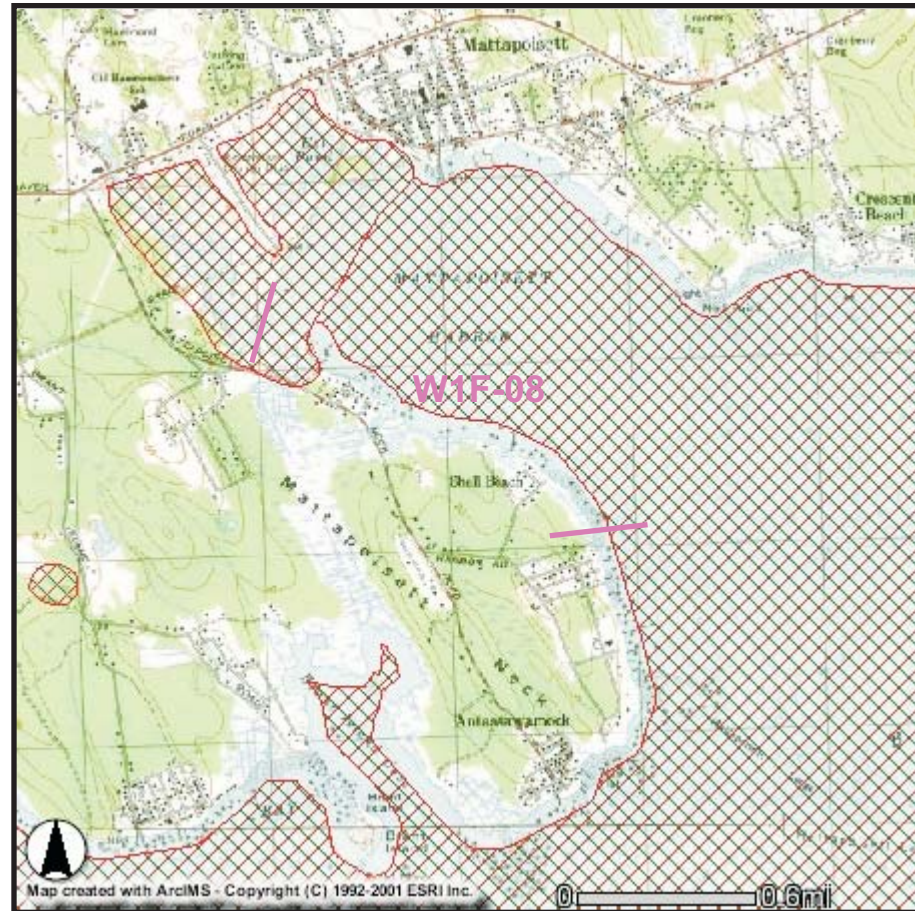


0 500 1,000 2,000 Feet

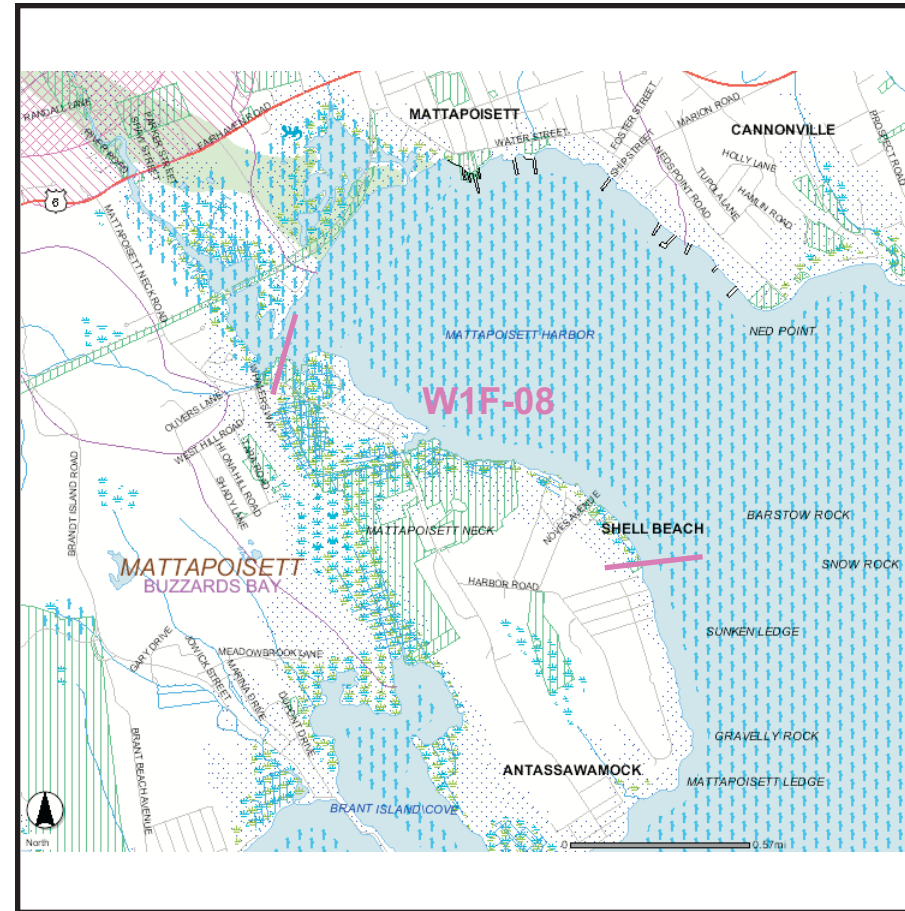


E N T R I X
W1F-08
Mattapoisett Neck East
Bouchard B No. 120 Oil Spill
Buzzards Bay, MA

NATURAL HERITAGE AND ENDANGERED SPECIES MAP



21E PRIORITY RESOURCE MAP



TOPOGRAPHIC MAP











































LEGEND


 NHESP 2005 MA PRIORITY HABITATS FOR STATE-PROTECTED RARE SPECIES

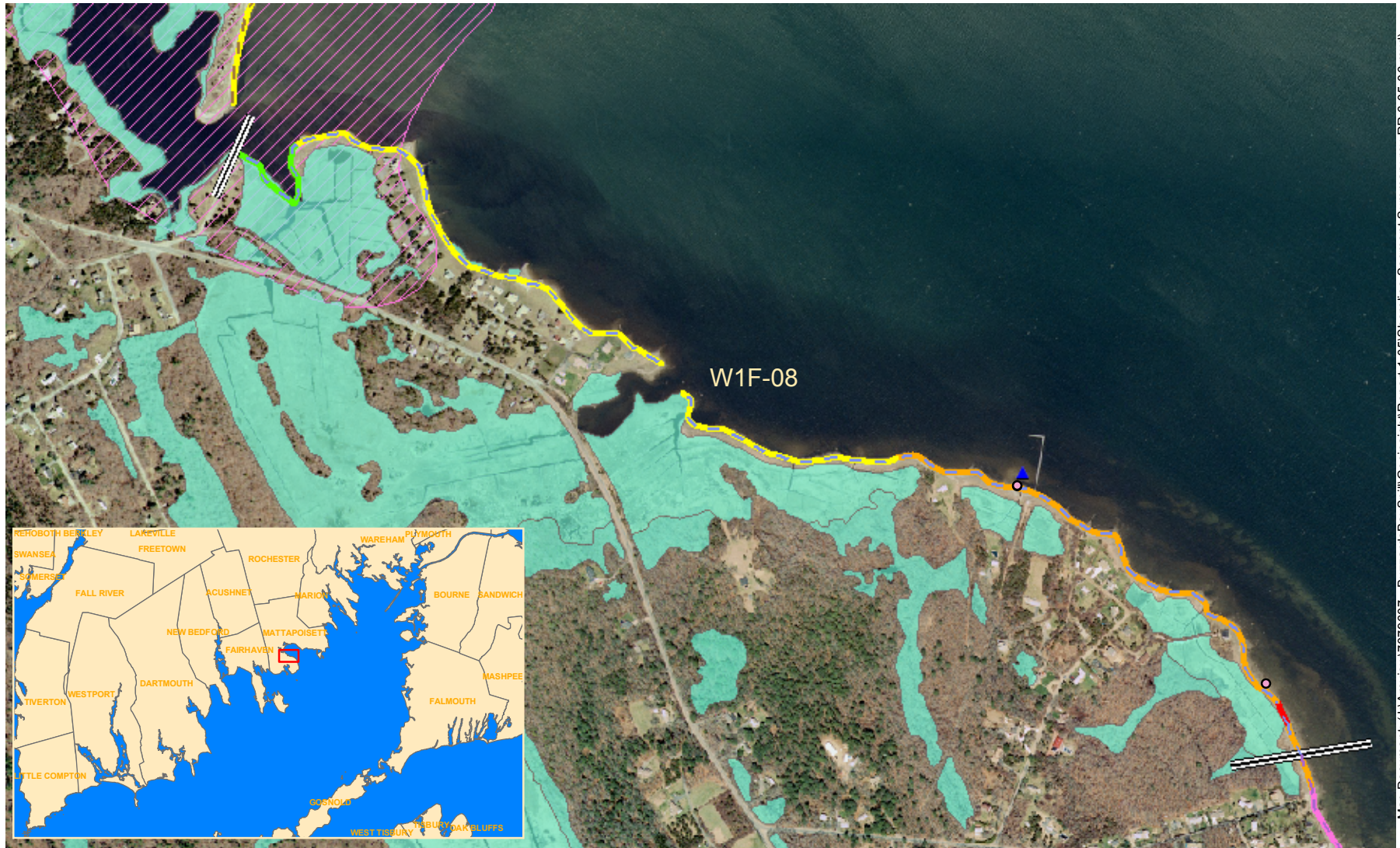
 NHESP 2005 MA ESTIMATED HABITATS OF RARE WILDLIFE

DEP MCP 21e Map Legend

- | | | | |
|---|--|---|---|
|  Zone IIs |  Aquifers, By Yield
HIGH YIELD |  Hydrography
WATER |  EOT-OTP Roads
LIMITED ACCESS HIGHWAY |
|  IWPA's |  MEDIUM YIELD |  RESERVOIR |  MULTILANE HWY NOT LIMITED ACCESS |
|  Zone A |  Non Potential Drinking Water Source Area
HIGH YIELD |  WETLANDS |  OTHER NUMBERED HWY |
|  Sole Source Aquifers |  MEDIUM YIELD |  SALTWATER WETLANDS |  MAJOR ROAD - COLLECTOR |
|  Solid Waste Sites |  FEMA Floodplains
100 YEAR FLOODPLAIN |  FLATS/SHOALS |  MINOR STREET OR ROAD, RAMP |
|  Protected Openspace | |  Rivers and Streams
PERENNIAL |  TRACKS and Trails MHD
TRACK |
|  ACECs | |  INTERMITTENT |  TRAIL |
|  NHESP Estimated Habitat of Rare Wildlife in Wetland Areas | |  SHORELINE |  PIPELINE |
|  Certified Vernal Pools 2003 NHESP | |  MAN MADE SHORE |  POWERLINE |
|  Subbasins | |  DAM |  TRAIN |
|  Mass Major Basins | |  AQUEDUCT | |
|  DEP Region | | | |
|  Town Arcs | | | |
|  County Boundaries | | | |



		PROJECT: B120 OIL SPILL		
		LOCATION: MATTAPOISETT NECK EAST BUZZARDS BAY, MA		
TITLE: PHASE II SUPPORTING MAPS				
DESIGNED: LAC	DRAWN: JKB	CHECKED: KDT	APPROVED: MJW	FIGURE #: WIF-08
SCALE: AS SHOWN	DATE: 01/25/06	FILE: 3871WIF-08	PROJECT #: 3871-002	



Map Document: (J:\Ar\view\7079607 - 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

0 500 1,000 Feet



ENTRIX

W1F-08

Mattapoisett Neck East,

Mattapoisett

Comprehensive Activities

Bouchard B No. 120 Oil Spill

Buzzards Bay, MA