



**BOUCHARD B120 RELEASE  
SHORELINE SEGMENT SUMMARY**

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GeoInsight Project Number 3871-002

SEGMENT IDENTIFICATION: **W1B-12**

SEGMENT NAME: **Warren Point**

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

MAXIMUM DEGREE OF INITIAL OILING: Moderate (Oiling Score: 3.00)

SEGMENT INSPECTION STATUS: Passed IRAC criteria endpoints on 07/10/2003.

**SITE-SPECIFIC INFORMATION**

**PHYSICAL CHARACTERISTICS:**

Primary Shoreline Type/ Geology:

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

Hydrogeology:

- Bourne Cove is located to the northwest, Little Harbor Inlet to the east, 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: At segment: EPA-designated sole source aquifer.

Protected Open Space: None 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.)

DATE	SUMMARY OF INFORMATION RECORDED BY INSPECTION TEAM
05/06/2003	Observations were not recorded.
05/09/2003	Oil observed on beach and wrack line approximately between N41°43.740' W70°42.058' and N41°43.667' W70°41.667'. Thirty six birds (9 species) were observed. One dead bird was found oiled and scavenged. Cleanup crew was on-site during the inspection.

### **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
05/12/2003	Light oil was observed on few rocks in upper intertidal zone.
05/16/2003	Oiled debris, rocks coated in oil, and puddles of free oil were observed near the southwest portion of Warren Point. Oil splatter was also observed on cobbles and boulders along the jetty. Surface oil coating observed primarily in the upper intertidal zone with up to 11% to 50% surface oil coverage in the gravel area in the upper intertidal zone.
05/27/2003	Some oiled debris, tarballs, wrack patties, and splatter (up to 1 inch in diameter) were observed on boulders and on the sandy portion of the segment primarily in the upper intertidal zone. Residual oil was also observed in the marsh area. Additional cleanup activities were warranted.

### **IRAC INSPECTIONS**

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

DATE	SUMMARY OF INFORMATION RECORDED BY INSPECTION TEAM
07/10/2003	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.)

MCP inspections pertaining to this segment were not conducted. GeoInsight did not receive IRA citizen calls pertaining to this segment.



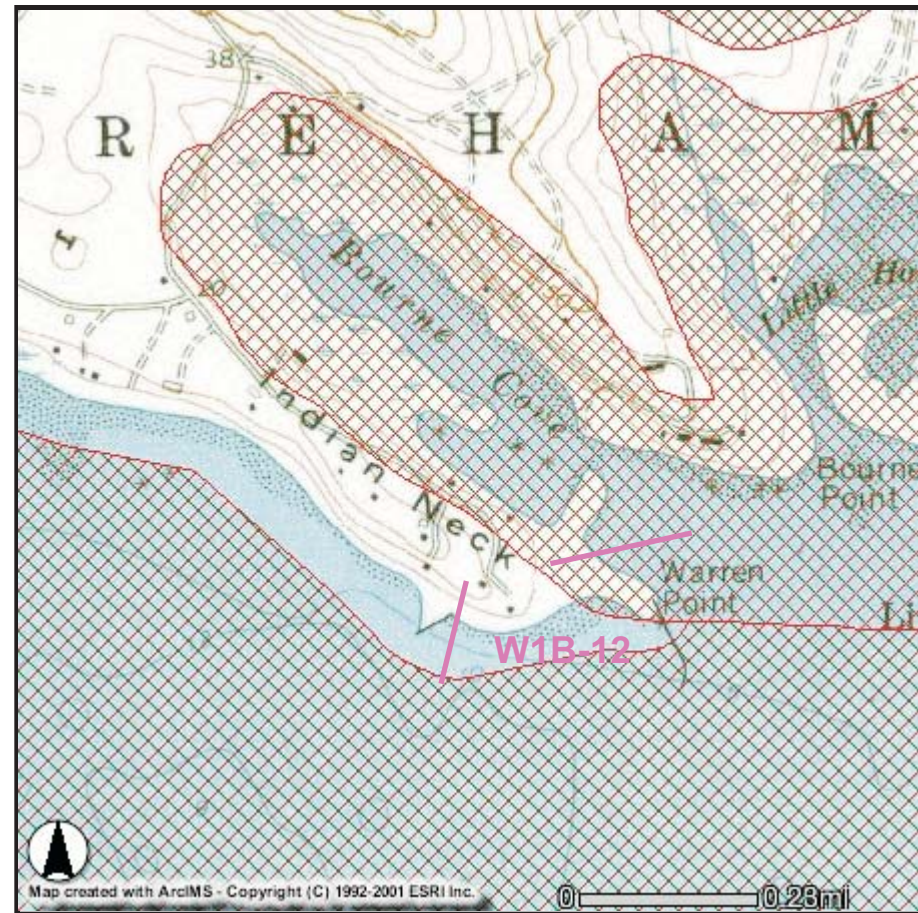
W1B-12

0 125 250 500 Feet

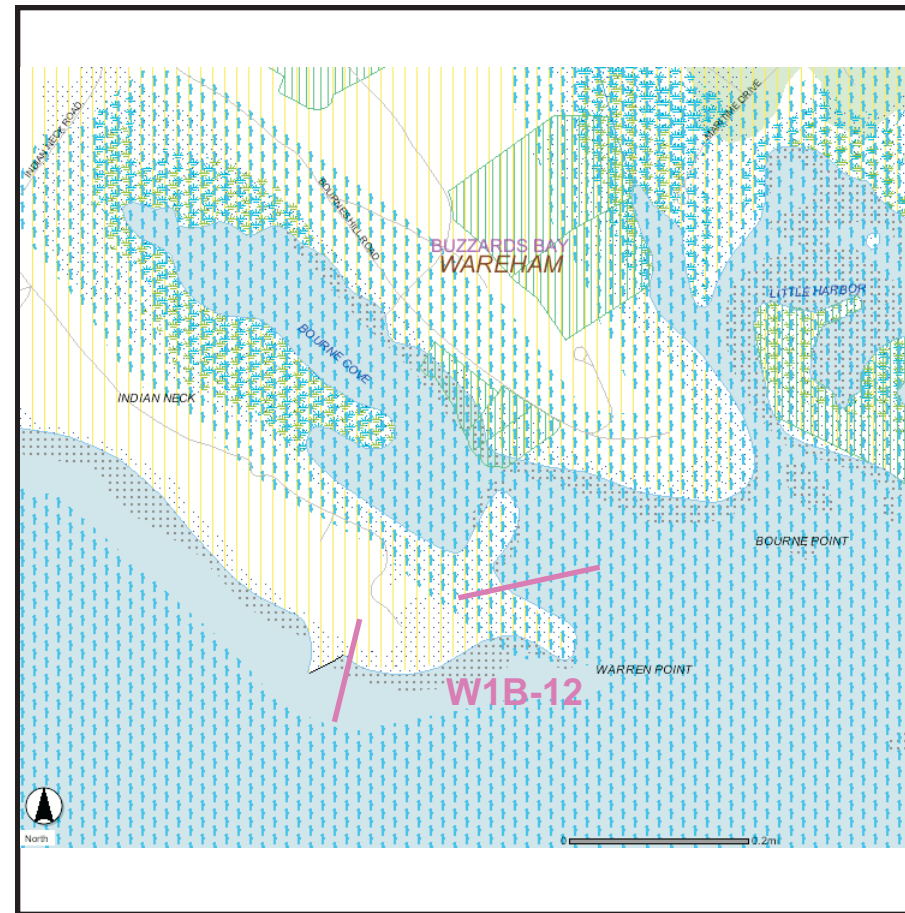


<b>E N T R I X</b>
<b>W1B-12</b> <b>Warren Point</b> <b>Bouchard B No. 120 Oil Spill</b> <b>Buzzards Bay, MA</b>

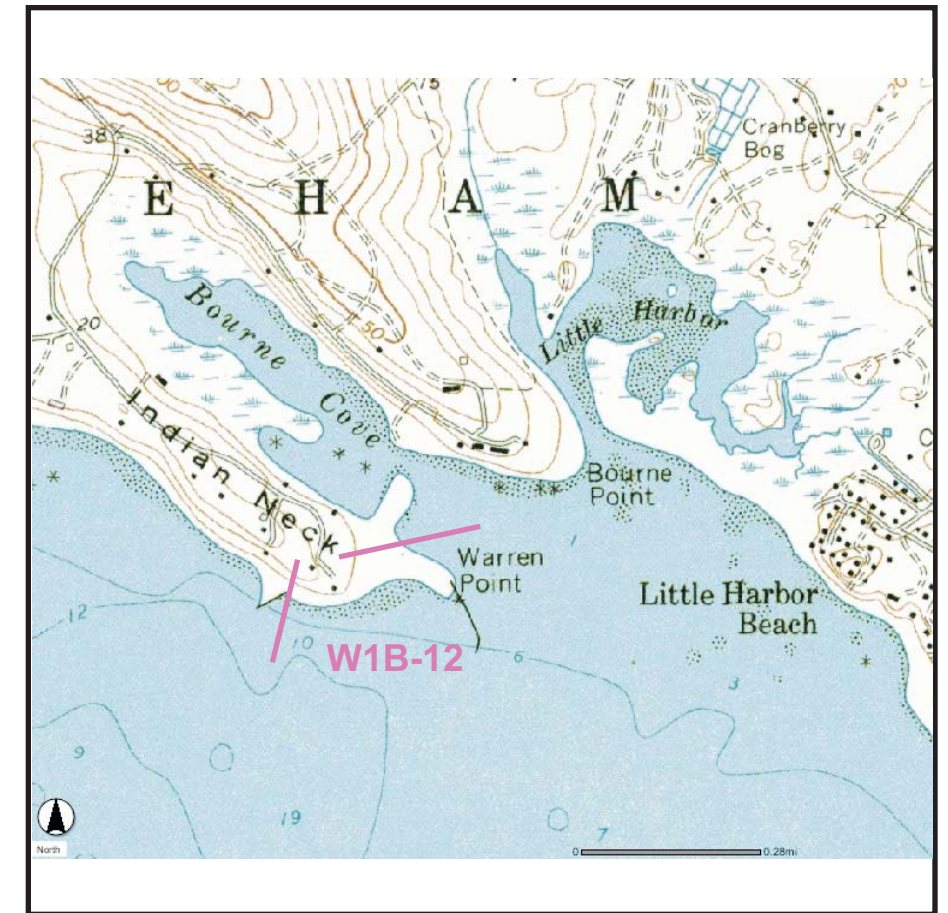
NATURAL HERITAGE AND ENDANGERED SPECIES MAP



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
  -  IWPAs
  -  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
-  HIGH YIELD
  -  MEDIUM YIELD
  -  Non Potential Drinking Water Source Area
  -  HIGH YIELD
  -  MEDIUM YIELD
  -  FEMA Floodplains
  -  100 YEAR FLOODPLAIN
-  WATER
  -  RESERVOIR
  -  WETLANDS
  -  SALT WATER WETLANDS
  -  FLATS SHOALS
  -  PERENNIAL
  -  INTERMITTENT
  -  SHORELINE
  -  MAN MADE SHORE
  -  DAM
  -  AQUEDUCT
-  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:			
TITLE:					
PHASE II SUPPORTING MAPS					
DESIGNED:	DRAWN:	CHECKED:	APPROVED:	FIGURE #:	
LAC	JKB	KDT	MJW		
SCALE:	DATE:	FILE:	PROJECT #:	WIB-12	
AS SHOWN	01/25/06	3871WIB-12	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

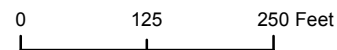
- ✦ Shellfish Sampling Location
- ✦ Chain Drag Location 2003
- ✦ Chain Drag Location 2004
- ✦ Lobster Pot Sampling Location 2003
- ✦ Absorbent Pad Sampling Location 2003
- ✦ Dive Sites
- ✦ Wetlands
- ✦ Nests
- ✦ Vernal Pool
- ✦ NHESP 2003 Priority Habitats for State-Protected Rare Species

**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

**W1B-12**  
**Warren Point, Wareham**  
**Comprehensive Activities**  
**Bouchard B No. 120 Oil Spill**  
**Buzzards Bay, MA**