



**BOUCHARD B120 RELEASE
SHORELINE SEGMENT SUMMARY**

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GeoInsight Project Number 3871-002

SEGMENT IDENTIFICATION: **W1C-05**

SEGMENT NAME: **Sippican Harbor East**

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

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

SEGMENT INSPECTION STATUS: Passed IRAC inspection on 08/07/2003.

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:

- Sippican Harbor is located to the west, Hammetts Cove to the northwest, and Planting Island Cove and Buzzards Bay to the southeast.

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 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: Based upon inspections conducted under Unified Command, the segment appears to be a private and semi-public area. Residential dwellings are located within 500 feet of the segment. Portion of the segment appears to be accessible via roadway.

Frequency of Use: Presumed to be 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.

NRDA and SCAT inspections pertaining to this segment were not conducted.

IRAC INSPECTIONS

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

DATE	SUMMARY OF INFORMATION RECORDED BY INSPECTION TEAM
07/11/2003	Two oiled areas observed adjacent to a flagpole at Allen's Point Road. Segment did not meet IRAC criteria endpoints and further treatment was feasible. Additional cleanup activities were warranted.
08/07/2003	Three large oiled areas sheltered within the seawall were observed at the end of Allen's Point Road. The oil was not easily accessible, therefore natural attenuation was recommended for these areas. These oiled areas were considered to be inaccessible. Tarballs on small private sand beaches near Foster's Beach were observed. Segment met IRAC criteria endpoints with the condition that inspections and removal of tarballs continue on Foster's Beach.

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.



0 500 1,000 2,000 Feet



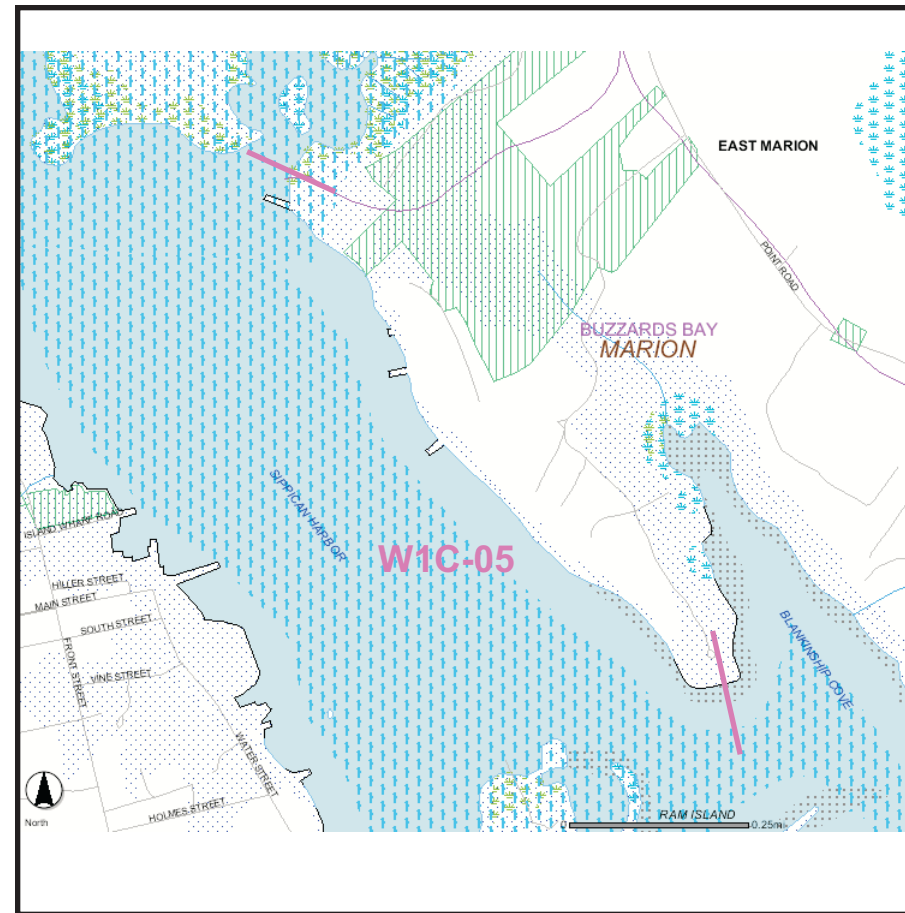
E N T R I X

W1C-05
Sippican Harbor East
Bouchard B No. 120 Oil Spill
Buzzards Bay, MA

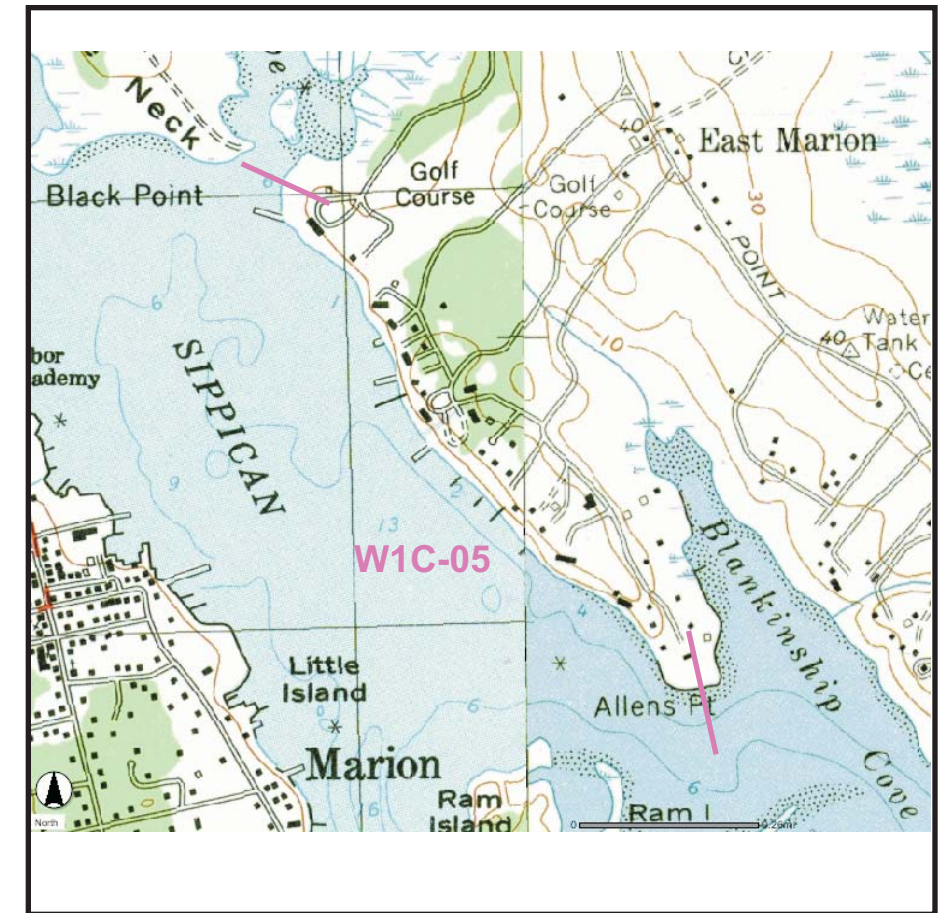
NATURAL HERITAGE AND ENDANGERED SPECIES MAP





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

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| <ul style="list-style-type: none">  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 | <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  RIVERS AND STREAMS  PERENNIAL  INTERMITTENT  SHORELINE  MAN MADE SHORE  DAM  AQUEDUCT | <ul style="list-style-type: none">  E0T-0TP Roads  LIMITED ACCESS HIGHWAY  MULTILANE HWY, NOT LIMITED ACCESS  OTHER NUMBERED HWY  MAJOR ROAD - COLLECTOR  MINOR STREET OR ROAD, RAMP  TRACKS AND TRAILS MHD  TRACK  TRAIL  TRANSMISSION LINES  PIPELINE  POWERLINE  TRAIN |
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		PROJECT: B120 OIL SPILL		
		LOCATION: SIPPICAN HARBOR EAST BUZZARDS BAY, MA		
TITLE: PHASE II SUPPORTING MAPS				
DESIGNED: LAC	DRAWN: JKB	CHECKED: KDT	APPROVED: MJW	FIGURE #: WIC-05
SCALE: AS SHOWN	DATE: 01/25/06	FILE: 3871WIC-05	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

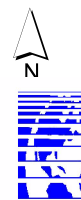
OILING

- 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

0 500 1,000 Feet



ENTRIX

W1C-05

Sippican Harbor East, Marion

Comprehensive Activities

Bouchard B No. 120 Oil Spill

Buzzards Bay, MA