



**BOUCHARD B120 RELEASE
SHORELINE SEGMENT SUMMARY**

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GeoInsight Project Number 3871-002

SEGMENT IDENTIFICATION: **W1C-01**

SEGMENT NAME: **Butler's Point**

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

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

SEGMENT INSPECTION STATUS: Did not pass IRAC inspection on 07/28/2003, further treatment feasible. Passed MCP IRA Inspection on 11/19/2003.

SITE-SPECIFIC INFORMATION

PHYSICAL CHARACTERISTICS:

Primary Shoreline Type/ Geology:

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

Secondary Shoreline Type/ Geology:

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

Hydrogeology:

- Sippican Harbor is located to the northwest, Sedge Cove to the north, 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: 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 coastline. Residential dwellings are located within 500 feet of the segment. The segment is 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.

| DATE | SUMMARY OF INFORMATION RECORDED BY INSPECTION TEAM |
|------------|--|
| 05/21/2003 | Tarballs, tar patties, and oil residue observed in the middle intertidal zone primarily along jetties, and one area of oil was observed on residence stairs. The surface oil coverage was estimated to be 1% to 10%. |
| 06/03/2003 | Light to moderate oiling on cobbles, boulders, and gravel areas (where oil was observed up to a maximum depth of 2 inches deep). Sporadic tar patties (2 to 6 inches in diameter) were observed on cobble areas and along wrack line. Oil was noted to be distributed from lower tidal to upper tidal zone, with the heaviest areas having no greater than 10% cover. Cleanup crew was at segment during the inspection. |

IRAC INSPECTIONS

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

| DATE | SUMMARY OF INFORMATION RECORDED BY INSPECTION TEAM |
|------------|---|
| 07/28/2003 | Light to moderate oiling on cobbles, boulders, and gravel areas (where oil was observed up to a maximum depth of 2 inches deep). Segment did not meet IRAC criteria endpoints and further treatment was feasible. |

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 |
|------------|---|
| 11/19/2003 | Site reconnaissance: Areas of trace splatter scoured to a stain were observed. |
| 04/13/2004 | Site reconnaissance: Trace sporadic splatter (approximately 2 to 4 inches in diameter) was observed on the seawall. Minor amount of residual oil (up to approximately 6 inches in diameter) was observed in between jetty boulders. |
| 08/25/2004 | Site reconnaissance: Evidence of oil was not observed. |
| 06/22/2005 | Shoreline inspection to check for salt marshes: Salt marsh not present. |

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



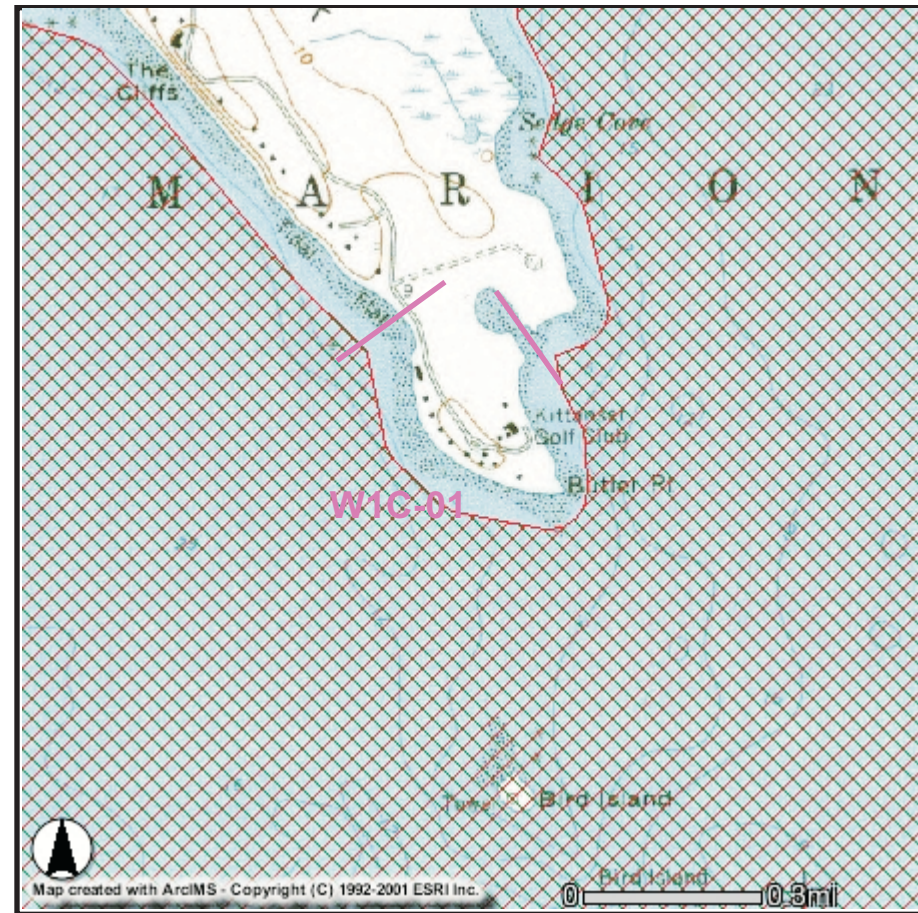
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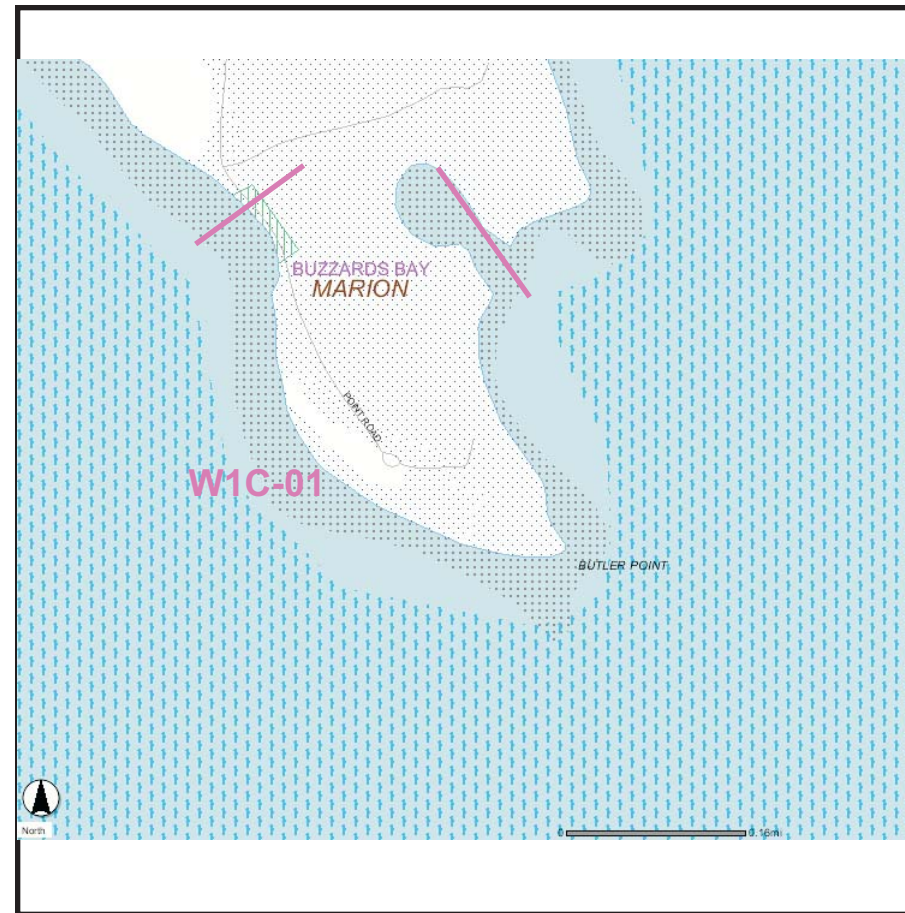
E N T R I X

W1C-01
Butler's Point
Bouchard B No. 120 Oil Spill
Buzzards Bay, MA

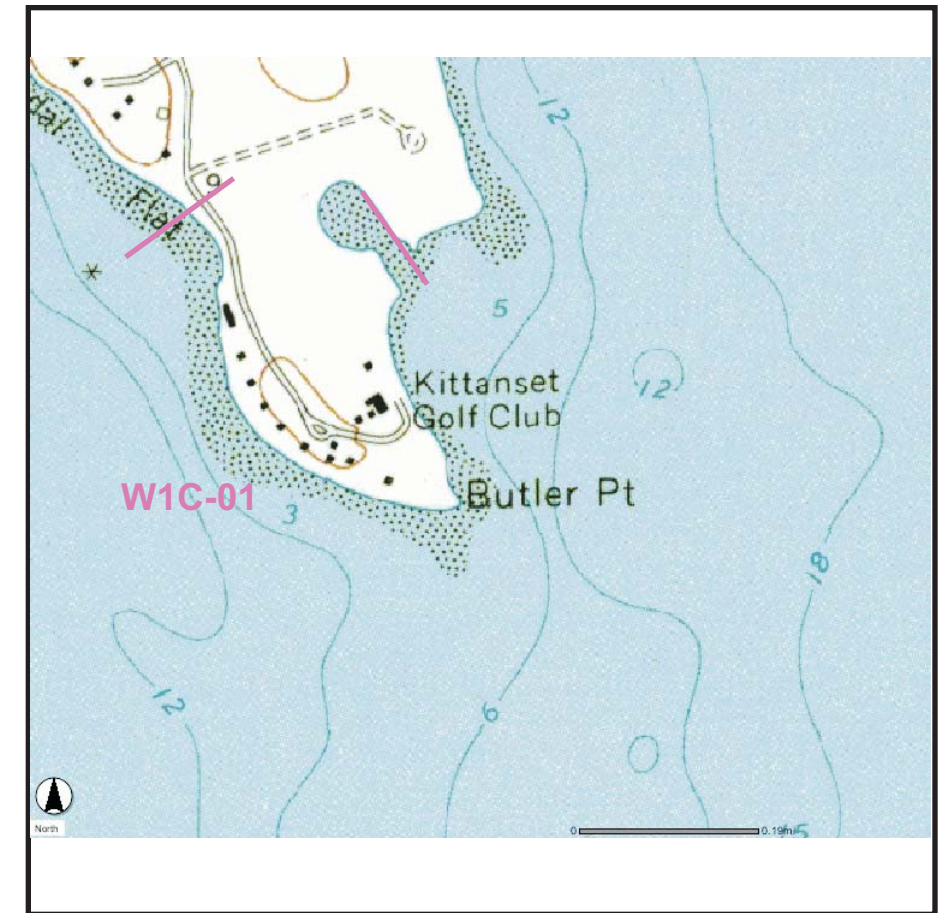
NATURAL HERITAGE AND ENDANGERED SPECIES MAP





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
 -  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
-  HIGH YIELD
 -  MEDIUM YIELD
-  HIGH YIELD
 -  MEDIUM YIELD
-  FEMA Floodplains
 -  100 YEAR FLOODPLAIN
-  WATER
 -  RESERVOIR
 -  WETLANDS
 -  SALTWATER WETLANDS
 -  FLATS/SHOALS
 -  PERENNIAL
 -  INTERMITTENT
 -  SHORELINE
 -  MAN MADE SHORE
 -  DAM
 -  AQUEDUCT
-  LIMITED ACCESS HIGHWAY
 -  MULT LANE 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: | | |
| | | BUTLER'S POINT BUZZARDS BAY, MA | | |
| PHASE II SUPPORTING MAPS | | | | |
| DESIGNED: | DRAWN: | CHECKED: | APPROVED: | FIGURE #: |
| LAC | JKB | KDT | MJW | |
| SCALE: | DATE: | FILE: | PROJECT #: | WIC-01 |
| AS SHOWN | 01/25/06 | 3871WIC-01 | 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

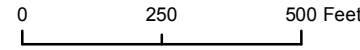
- ◆ Shellfish Sampling Location
- ▲ Chain Drag Location 2003
- ▲ Chain Drag Location 2004
- Lobster Pot Sampling Location 2003
- Absorbent Pad Sampling Location 2003
- Dive Sites
- Wetlands
- Nests
- Vernal Pool
- NHESP 2003 Priority Habitats for State-Protected Rare Species

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

W1C-01
Butler's Point, Marion
Comprehensive Activities
Bouchard B No. 120 Oil Spill
Buzzards Bay, MA