



**BOUCHARD B120 RELEASE
SHORELINE SEGMENT SUMMARY**

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GeoInsight Project Number 3871-002

SEGMENT IDENTIFICATION: **E3-06**

SEGMENT NAME: **Uncatena Island**

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

MAXIMUM DEGREE OF INITIAL OILING: Light (Oiling Score: <1.00)

SEGMENT INSPECTION STATUS: Segment not inspected.

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;
- 1D: Rip rap seawalls, bulkheads, piers, docks, and pilings;
- 1E: Rocky (bedrock) shorelines; and
- 1F: Salt marshes.

Hydrogeology:

- Northwest Gutter is located to the southwest, Inner Harbor to the south, Hadley Harbor to the southeast, and Buzzards Bay to the northwest. The central portion of the island is saltwater wetlands.

Bedrock Geology:

- The 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: MADEP-designated medium yield potentially productive aquifer.

Protected Open Space: At segment: shoreline marsh.

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 beaches and rocky shoreline. Residential dwellings are located within 500 feet of the segment. Accessible via boat only.

Frequency of Use: Presumably year-round and seasonal residential use on the island.

SUMMARY OF INSPECTION ACTIVITIES

WRF INSPECTIONS

(Wildlife Field Reconnaissance Form- 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
04/30/2003	An area (approximately 300 by 5 feet) covered approximately 50% with very tacky liquid-like oil was observed on the rocky shoreline, sand, and tidal grass along the middle intertidal zone. Oiled debris was also observed.
05/19/2003	Boom was observed in the cove.

IRAC INSPECTIONS

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

IRAC inspections pertaining to this segment were not conducted.

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
10/07/2003	Site reconnaissance: Some hardened splatter on rocky shoreline scoured and weathered. Hardened tar-like splatter and pavement (non-B120) was observed on cobbles and boulders presumed to be from a previous oil spill. Few B120 tarballs and tar patties found sporadically and removed.

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



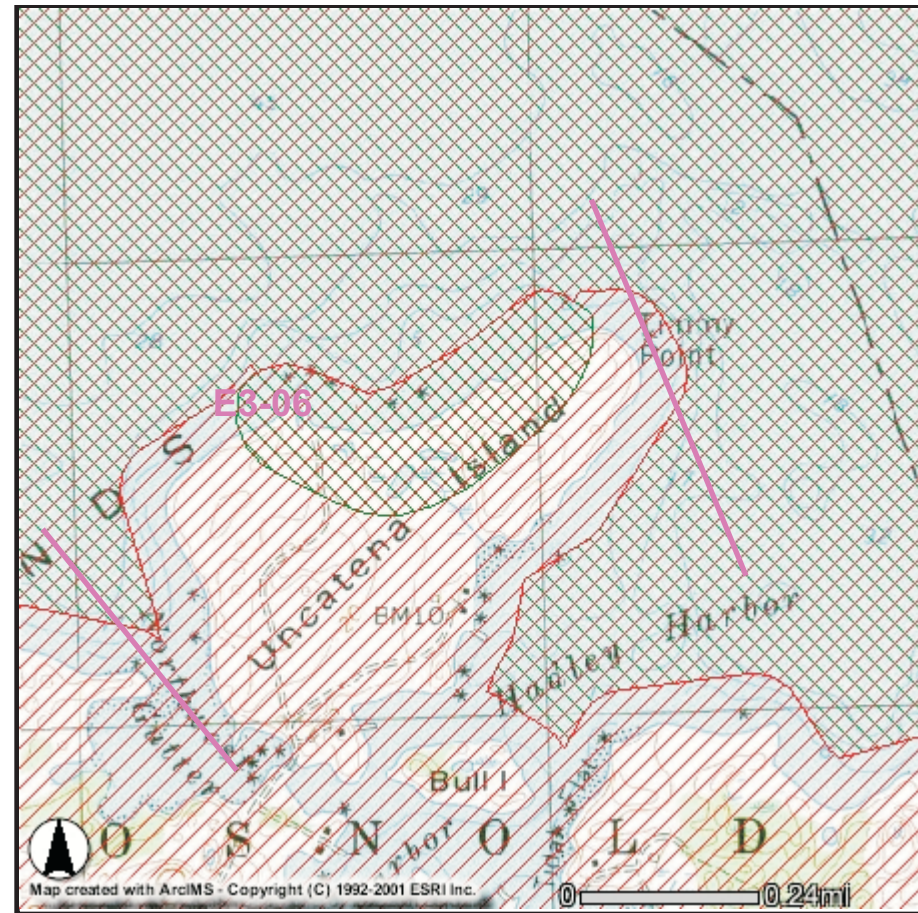
0 250 500 1,000 Feet



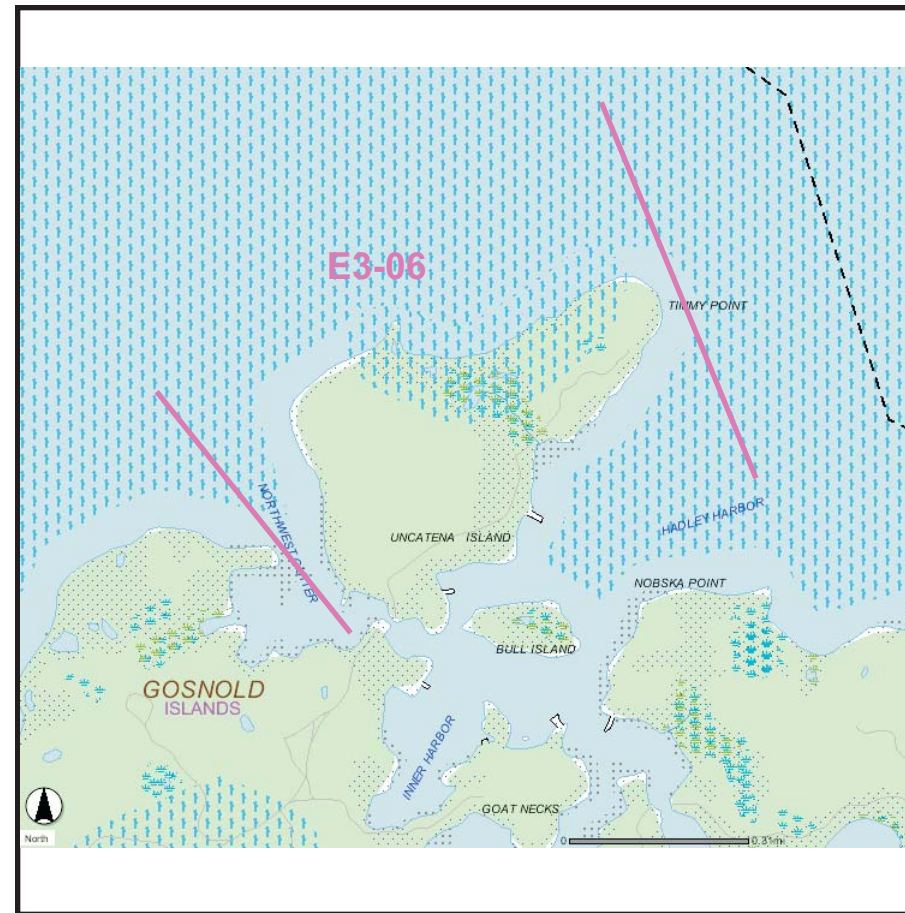
E N T R I X

E3-06
Ucatena Island
Bouchard B No. 120 Oil Spill
Buzzards Bay, MA

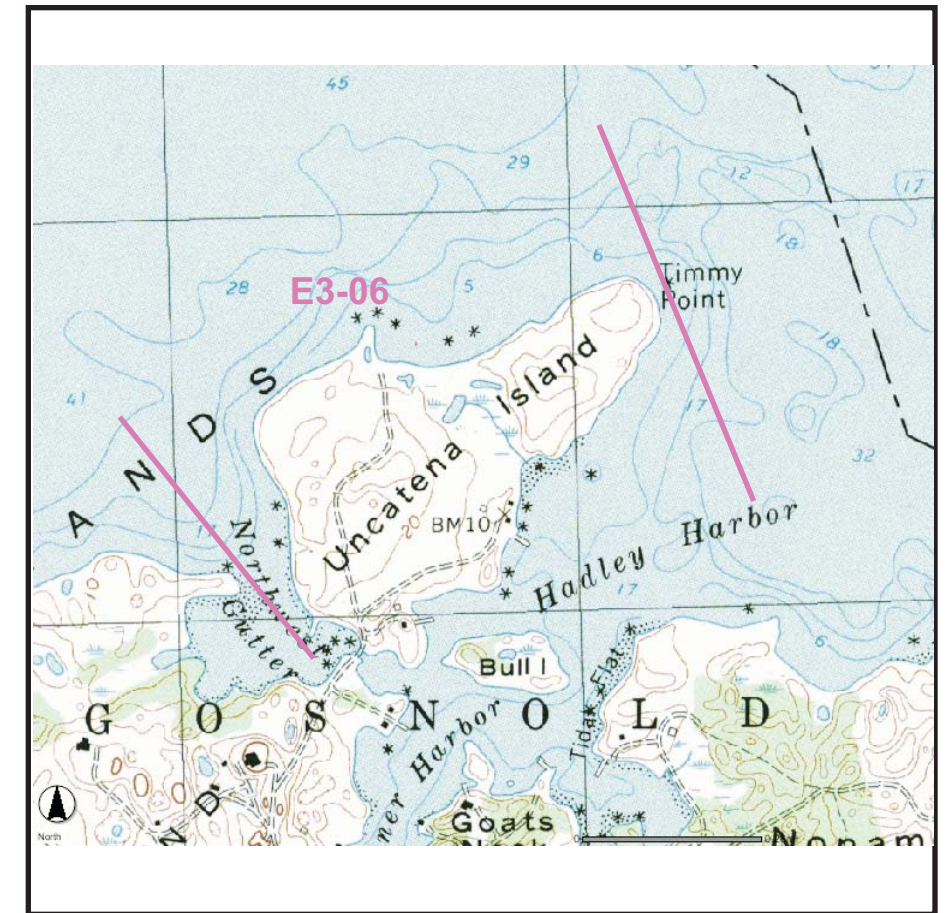
NATURAL HERITAGE AND ENDANGERED SPECIES MAP





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
 -  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
-  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		
TITLE: PHASE II SUPPORTING MAPS		LOCATION:		
		UNCATENA ISLAND BUZZARDS BAY, MA		
DESIGNED:	DRAWN:	CHECKED:	APPROVED:	FIGURE #:
LAC	JKB	KDT	MJW	
SCALE:	DATE:	FILE:	PROJECT #:	E3-06
AS SHOWN	01/05/06	387IE3-06	3871-002	



E3-06

Map Document: (J:\Arview\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

0 250 500 Feet



ENTRIX

E3-06

Ucatena Island, Gosnold
Comprehensive Activities
Bouchard B No. 120 Oil Spill
Buzzards Bay, MA