GeoInsight, Inc.
75 Gilcreast Road, Suite 210
Londonderry, NH 03053-3566
TEL 603-434-3116
FAX 603-432-2445
www.geoinsightinc.com

GeoInsight, Inc.
319 Littleton Road, Suite 105
Westford, MA 01886
TEL 978-692-1114
FAX 978-692-1115

GeoInsight, Inc.
Corporate Ten Center
1781 Highland Avenue, Suite 207
Cheshire, CT 06410
TEL 203-271-8036
FAX 203-271-8038

September 21, 2004 GeoInsight Project 3871-000

Richard Packard
Massachusetts Department of Environmental Protection
Southeast Regional Office
Bureau of Waste Site Cleanup
20 Riverside Drive
Lakeville, Massachusetts

Re: Proposed IRA Cleanup Activities
Leisure Shores Beach
DEP RTN 4-17786
Barge B120 Spill
Buzzards Bay, Massachusetts

Dear Mr. Packard:

GeoInsight, Inc. (GeoInsight) prepared this letter to present proposed additional cleanup activities planned at Leisure Shores Beach in Mattapoisett, Massachusetts. Refer to Figure 1 for the approximate location of Leisure Shores Beach. These cleanup activities will be conducted as part of response actions proposed in the September 15, 2003 Immediate Response Action (IRA) Plan (as modified) to remove residual oil on the shoreline associated with the release from Bouchard Barge No. 120 (B120). GeoInsight, as the Licensed Site Professional (LSP) under the Massachusetts Contingency Plan (MCP), prepared this letter on behalf of Bouchard Transportation Company, Inc.

1.0 INTRODUCTION

The Leisure Shores Beach is a portion of shoreline segment W1F-02 (Brandt Island West) and this segment is periodically inspected for the presence of surficial and buried oil as part of IRA response actions proposed in the September 15, 2004 IRA Plan. Discrete patches of oil, primarily in the form of small (approximately 1-inch diameter or smaller) tarballs, have been encountered at this segment and cleanup activities were conducted on April 1, April 8, April 16, May 17, and August 10, 2004 to remove the detected oil. Refer to IRA Status Reports dated February 10 and September 16, 2004 for additional information regarding these inspection and cleanup activities.

In September 2004, oil was encountered in the lower intertidal zone at the Leisure Shores Beach in an area bounded by a rock groin to the west (with a small stream crossing the groin), and a smaller groin to the east, near a grill in the shape of a torpedo. The oil consisted primarily of small particles ranging in size from approximately 1 millimeter (mm) to 7 mm in diameter. These small particles were found as either discrete particles in the subtidal sediment, adhered to small rocks or shells, or floating on the water surface in trenches excavated by the inspection team. Initial evaluation indicated that the oil distribution appeared to be discontinuous, with some areas of the beach containing oil particles and other areas apparently free of oil particles.

In response to the detection of oil in this area, GeoInsight and ENTRIX, Inc. (ENTRIX) excavated a series of trenches aligned on a grid pattern to delineate the extent of oiling. Figure 2 shows the approximate location of the trenches and includes a row and column numbering system to identify individual trench locations. Visual observations for each trench location are summarized in Table 1.

A total of 113 trenches were manually excavated within the intertidal zone in the area of concern. In general, the oiling was found to be discontinuous, with oil encountered in approximately 40 percent of the trenches. The observed oiling conditions primarily consisted of small "pinhead" to "pepper flake" size particles, measuring approximately 1mm to 2mm in diameter. These small oil particles were observed floating on the water surface within the trench and were often surrounded by a rainbow sheen. Slightly larger oil particles, termed "globules," measured 5mm to 7mm in diameter and were found in a smaller proportion of the oiled trenches. The number of oil particles observed in the individual trenches was generally low, ranging from 1 to 6 oil particles per trench.

2.0 PROPOSED CLEANUP ACTIVITIES

The small size of the oil particles and the limited number of particles encountered during this investigation indicates that the total volume of B120 oil in this area is relatively small. Due to the small size of the observed particles and the discontinuous nature of the oil distribution, GeoInsight proposes to conduct the cleanup activities initially using oil absorbent materials. Based upon the outcome of the initial absorbent cleanup activities, other cleanup strategies will be evaluated and implemented, if necessary.

The initial cleanup activities will consist of digging and turning over the beach sediment using rakes and shovels to expose residual oil. Shoreline sediment will not be removed from the Leisure Shores Beach during this cleanup operation. Oil absorbent pads or "sweep" (rolls of oil absorbent material) will then be placed in areas of observed oil to remove the small oil particles. Oil absorbent pads will also be placed in trenches where oil particles are observed on the water surface to remove floating oil particles. Rocks and shells with observed oil will also be wiped with absorbent material.

3.0 SCHEDULE

Because the oil observed is present primarily in the lower portion of the lower intertidal zone, cleanup and post-cleanup inspection activities must be conducted at low tide. GeoInsight proposes to initiate cleanup activities on Thursday, September 23, 2004, with September 24, 2004 available if additional cleanup is required. An initial post-cleanup inspection, consisting of trenching and test-pitting using hand tools, will be conducted on Monday, September 27, 2004. Additional cleanup, using the methodology described above, will be conducted on Tuesday, September 28, 2004, if required, with a post-cleanup inspection on Thursday, September 30, 2004. GeoInsight will evaluate alternative cleanup strategies, in consultation with the Massachusetts Department of Environmental Protection, if the September 30, 2004 inspection indicates that additional cleanup activities are necessary.

Please feel free to call Kevin Trainer at (978) 692-1114 if you have any questions or if you would like to discuss this project.

Sincerely,
GEOINSIGHT, INC.

Kevin D. Trainer, P.G., C.P.G., L.S.P.
Senior Project Geologist

Richard J. Wozmak, P.E., P.H., L.S.P.
Principal

Attachments: Figure 1 – Site Locus
Figure 2 – Trench Excavation Locations
Table 1 – Leisure Shores Trench Locations and Descriptions

cc: Victor Corso, Bouchard Transportation Company, Inc.
Andrew Davis, LeBoeuf, Lamb, Greene & MacRae LLP

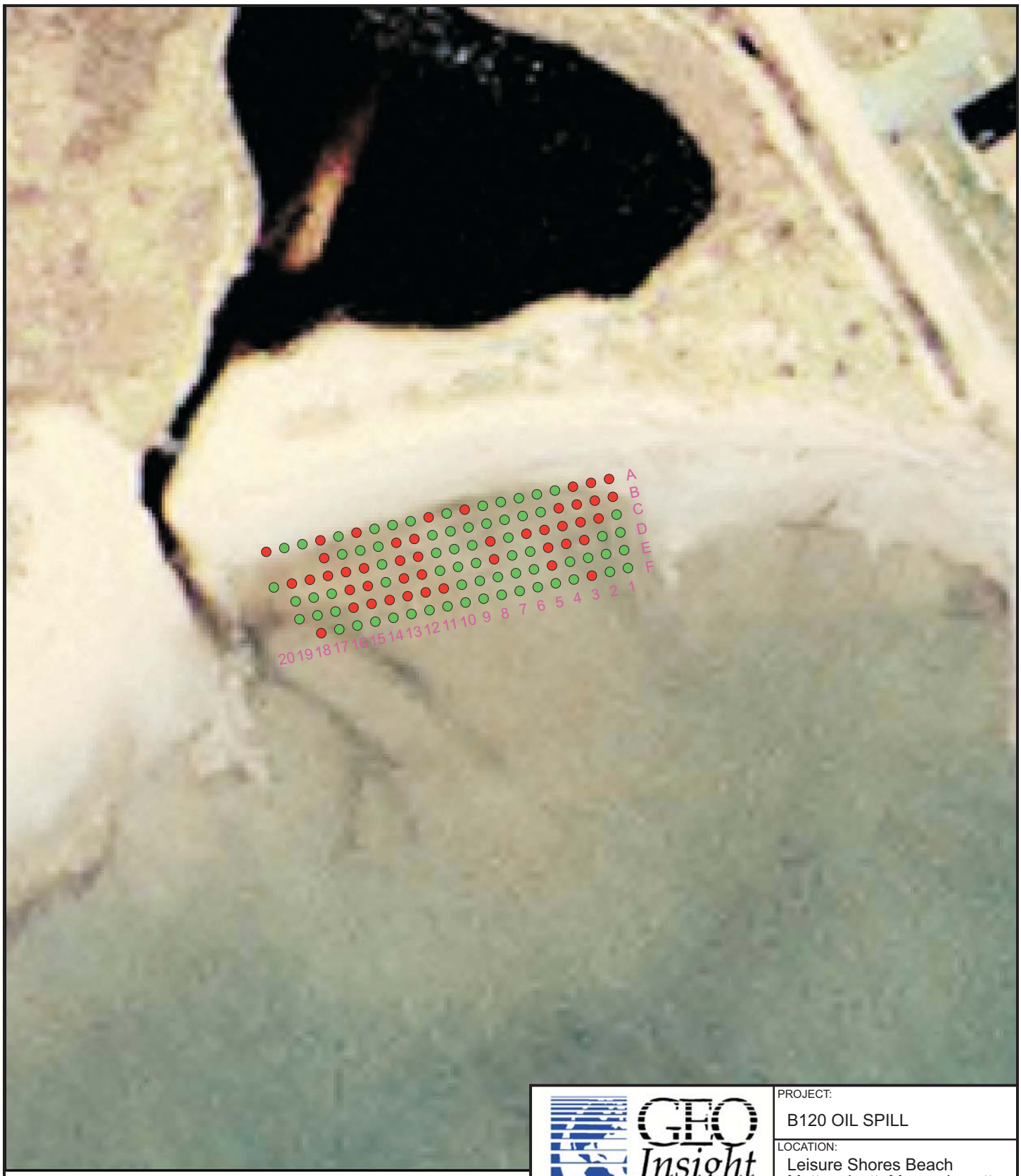
SOURCE:
USGS Marion and Sconticut Neck Quadrangles

N

GEO Insight INC.

PROJECT:	Bouchard B120 Oil Spill Buzzards Bay, Massachusetts
LOCATION:	Leisure Shores Mattapoisett, Massachusetts
TITLE:	SITE LOCUS

CONTOUR INTERVAL:	DRAWN:	CHECKED:	APPROVED:	FIGURE:
3 meters	KDT	KDT	RJW	1
SCALE:	DATE:	FILE NO.:	PROJECT NO:	
AS SHOWN	9/16/04	Figure 1- Leisure Shores	3871-000	



LEGEND

- OILED TRENCH
- UNOILED TRENCH

0 50 100

APPROXIMATE SCALE (feet)

NORTH

GEO Insight INC.

PROJECT: B120 OIL SPILL

LOCATION: Leisure Shores Beach Mattapoisett, Massachusetts

TITLE: TRENCH EXCAVATION LOCATIONS

DESIGNED:	DRAWN:	CHECKED:	APPROVED:	FIGURE #:
KDT	KDT/LAC	LAC	KDT	2
SCALE:	DATE:	FILE:	PROJECT #:	
As Shown	9/17/04	3871LS	3871-000	

TABLE 1
LEISURE SHORES TRENCH LOCATIONS AND DESCRIPTIONS

BOUCHARD B120 OIL SPILL
BUZZARDS BAY, MASSACHUSETTS
SEPTEMBER 8, 2004

Row A (Approximately 30' south of high tide/ wrack line)
East Row Endpoint: 41°37.719 N 70°49.426' W
West Row Endpoint: 41°37.714' N 70°49.467' W

Trench #	Length (feet)	Depth (inches)	Field Team Observation	Coordinates North	Coordinates West
1	2.5'	3"	1 pinhead-size fleck of oil encircled with sheen floating in water within trench	41°37.719' N	70°49.426' W
2	1.5'	2"	2 pinhead-size flecks of oil encircled with sheen (2mm diameter) floating in water within trench	41°37.719' N	70°49.429' W
3	2'	3"	2 pinhead-size flecks of oil (one encircled with sheen and one with a 3"-long rainbow sheen streamer) floating in water within trench. 1 globule (5mm diameter) encircled with a sheen (0.5" diameter) floating in water within trench. Rainbow tint apparent in an area of soil along the border of the trench (1 square inch area)	41°37.719' N	70°49.433' W
4	2'	4"	No evidence of oil in trench or spoils pile	NT	NT
5	2'	5"	No evidence of oil in trench or spoils pile	NT	NT
6	2'	5"	No evidence of oil in trench or spoils pile	NT	NT
7	1.5'	5"	No evidence of oil in trench or spoils pile	NT	NT
8	2'	5"	No evidence of oil in trench or spoils pile	NT	NT
9	1.5'	4"	1 pinhead-size fleck of oil with associated rainbow sheen streamer (1" long) floating in water within trench	41°37.718' N	70°49.412' W
10	2'	4"	No evidence of oil in trench or spoils pile	NT	NT
11	1.5'	4"	1 pinhead-size fleck of oil encircled with sheen (<1cm diameter) floating in water within trench	41°37.716' N	70°49.446' W
12	2.5'	4"	No evidence of oil in trench or spoils pile	NT	NT
13	2.5'	3"	No evidence of oil in trench or spoils pile	NT	NT
14	1.5'	2"	No evidence of oil in trench or spoils pile	NT	NT
15	2'	3"	2 pinhead-size flecks of oil encircled with sheen (<1"diameter) floating in water within trench	41°37.714' N	70°49.451' W
16	2.5'	3"	No evidence of oil in trench or spoils pile	NT	NT
17	2.5'	3"	1 pinhead-size fleck of oil encircled with sheen (0.5" diameter) floating in water within trench	41°37.717' N	70°49.458' W
18	2'	2"	No evidence of oil in trench or spoils pile	NT	NT
19	2'	3"	No evidence of oil in trench or spoils pile	NT	NT
20	2.5'	2"	Several streamers of sheen<1" long)	41°37.714' N	70°49.461' W

Notes:
1. NT: Not Taken (if no evidence of oil observed by inspection team).
2. Length and Depth are approximate values.
3. Trenches are adjacent approximately 5 to 8 feet apart. Trench 1 is the eastern-most trench.

TABLE 1
LEISURE SHORES TRENCH LOCATIONS AND DESCRIPTIONS

BOUCHARD B120 OIL SPILL
BUZZARDS BAY, MASSACHUSETTS
SEPTEMBER 8, 2004

Row B (Approximately 40' south of high tide/ wrack line)
East Row Endpoint: 41°37.719 N 70°49.424' W
West Row Endpoint: 41°37.706' N 70°49.452' W

Trench #	Length (feet)	Depth (inches)	Field Team Observation	Coordinates North	Coordinates West
1	2'	2"	7 pinhead-size flecks of oil each encircled with sheen (up to 0.5" diameter) floating in water within trench	41°37.719' N	70°49.425' W
2	2'	2"	Trace sheening (1" diameter)	41°37.719' N	70°49.427' W
3	3.5'	2"	3 pinhead-size flecks of oil, each encircled with sheen (1cm- 2" diameter) and one oil streamer, floating in water within trench	41°37.718' N	70°49.430' W
4	3.5'	2"	3 pinhead-size flecks of oil encircled with sheen area (4.5"x3" diameter) floating in water within trench	41°37.716' N	70°49.433' W
5	3.5'	2"	No evidence of oil in trench or spoils pile	NT	NT
6	2'	2"	No evidence of oil in trench or spoils pile	NT	NT
7	3'	2"	No evidence of oil in trench or spoils pile	NT	NT
8	3.5'	2"	No evidence of oil in trench or spoils pile	NT	NT
9	4'	3"	No evidence of oil in trench or spoils pile	NT	NT
10	4'	3"	No evidence of oil in trench or spoils pile	NT	NT
11	4'	3"	No evidence of oil in trench or spoils pile	NT	NT
12	4'	3"	4 pinhead-size flecks of oil and 1 globule (5mm) encircled with sheen (0.5" diameter) floating in water within trench	41°37.716' N	70°49.445' W
13	3'	2"	1 pinhead-size fleck of oil encircled with sheen (1cm diameter) floating in water within trench	41°37.713' N	70°49.445' W
14	3.5'	2"	No evidence of oil in trench or spoils pile	NT	NT
15	4'	2"	No evidence of oil in trench or spoils pile	NT	NT
16	4'	2"	No evidence of oil in trench or spoils pile	NT	NT
17	4'	2"	1 pinhead-size fleck of oil with associated rainbow sheen streamer floating in water within trench	41°37.710' N	70°49.452' W

Notes:
1. NT: Not Taken (if no evidence of oil observed by inspection team).
2. Length and Depth are approximate values.
3. Trenches are adjacent approximately 5 to 8 feet apart. Trench 1 is the eastern-most trench.

TABLE 1
LEISURE SHORES TRENCH LOCATIONS AND DESCRIPTIONS

BOUCHARD B120 OIL SPILL
BUZZARDS BAY, MASSACHUSETTS
SEPTEMBER 8, 2004

Row C (Approximately 50' south of high tide/ wrack line)
East Row Endpoint: 41°37.716' N 70°49.425' W
West Row Endpoint: 41°37.706' N 70°49.452' W

Trench #	Length (feet)	Depth (inches)	Field Team Observation	Coordinates North	Coordinates West
1	3'	2"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
2	2.5'	2"	Trace sheening (1" diameter)	41°37.716' N	70°49.427' W
3	2.5'	2"	1 fleck (5mm diameter) with associated rainbow sheen streamer, and several pinhead-size flecks of oil encircled with sheen (1cm to 2" diameter) floating in water within trench	41°37.713' N	70°49.431' W
4	2'	2"	4 pinhead-size flecks of oil each encircled with sheen (up to 3cm diameter) floating in water within trench	41°37.714' N	70°49.432' W
5	2'	2"	4 pinhead-size flecks of oil each encircled with sheen (1cm diameter) floating in water within trench	41°37.714' N	70°49.433' W
6	2'	2"	3 pinhead-size flecks of oil each encircled with sheen (2cm diameter) floating in water within trench	41°37.714' N	70°49.433' W
7	2'	2"	No evidence of oil in trench or spoils pile	NT	NT
8	2'	2"	1 pinhead-size fleck of oil encircled with sheen (1cm diameter) floating in water within trench	41°37.712' N	70°49.435' W
9	2'	2"	No evidence of oil in trench or spoils pile	NT	NT
10	1.5'	2"	No evidence of oil in trench or spoils pile	NT	NT
11	1.5'	2"	No evidence of oil in trench or spoils pile	NT	NT
12	2'	2"	1 fleck of oil (5mm) encircled with sheen (1cm diameter) floating in water within trench	41°37.710' N	70°49.440' W
13	3.5'	2"	1 pinhead-size fleck of oil encircled with sheen (1cm diameter) floating in water within trench	41°37.711' N	70°49.442' W
14	4'	2"	No evidence of oil in trench or spoils pile	NT	NT
15	4'	2"	Trace sheening (0.5" diameter)	41°37.710' N	70°49.447' W
16	3'	2"	3 pinhead-size flecks of oil and 3 globules (7mm diameter) each encircled with sheen (up to 1"diameter) floating in water within trench	41°37.709' N	70°49.447' W
17	2'	2"	3 pinhead-size flecks of oil each encircled with sheen (1cm diameter) floating in water within trench	41°37.708' N	70°49.446' W
18	3'	2"	3 pinhead-size flecks of oil each encircled with sheen (1" diameter) floating in water within trench	41°37.707' N	70°49.451' W
19	4'	2"	4 pinhead-size flecks of oil each encircled with sheen (1cm diameter) floating in water within trench	41°37.708' N	70°49.453' W
20	2'	3"	No evidence of oil in trench or spoils pile	41°37.706' N	70°49.452' W

Notes:
1. NT: Not Taken (if no evidence of oil observed by inspection team).
2. Length and Depth are approximate values.
3. Trenches are adjacent approximately 5 to 8 feet apart. Trench 1 is the eastern-most trench.

TABLE 1
LEISURE SHORES TRENCH LOCATIONS AND DESCRIPTIONS

BOUCHARD B120 OIL SPILL
BUZZARDS BAY, MASSACHUSETTS
SEPTEMBER 8, 2004

Row D (Approximately 60' south of high tide/ wrack line)
East Row Endpoint: 41°37.715' N 70°49.426' W
West Row Endpoint: 41°37.704' N 70°49.452' W

Trench #	Length (feet)	Depth (inches)	Field Team Observation	Coordinates North	Coordinates West
1	1'	2"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
2	1'	2"	No evidence of oil in trench or spoils pile	NT	NT
3	1-2'	1-2"	Area of 5 adjacent and parallel trenches (labeled 3a - 3e) where sediment sample LS-OS-S01 was taken by GeoInsight with MADEP on 8/31/04. Trenches 3a- 3e are approximateky 0.5'- 1' apart. See associated descriptions below. The eastern-most trench is *3a*	41°37.714' N	70°49.432' W
3a			No evidence of oil in trench or spoils pile	NT	NT
3b			Several pinhead and few globules (up to 5mm diameter) each encircled with sheen (up to 1cm diameter) floating in water within trench	41°37.714' N	70°49.432' W
3c			Several pinhead and few globules of oil (up to 5mm diameter) each encircled with sheen (up to 1cm diameter) floating in water within trench	41°37.714' N	70°49.432' W
3d			50% cover of floating globules of oil and associated sheening floating in water within trench	41°37.714' N	70°49.432' W
3e			50% cover of floating globules of oil and associated sheening floating in water within trench	41°37.714' N	70°49.432' W
4	3.5'	2"	1 pinhead-size fleck of oil encircled with sheen (1cm diameter) floating in water within trench.	41°37.710' N	70°49.434' W
5	3.5'	1"	1 pinhead-size fleck of oil with associated rainbow sheen streamer (4"x1") floating in water within trench. Some sheen is organic	41°37.709' N	70°49.440' W
6	3.5'	1"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
7	3.5'	1"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
8	3.5'	2"	2 pinhead-size flecks of oil encircled with sheen (1cm diameter) floating in water within trench	41°37.699' N	70°49.435' W
9	3.5'	1"	No evidence of oil in trench or spoils pile	NT	NT
10	3.5'	1"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
11	3.5'	1"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
12	3.5'	1"	2 pinhead-size flecks of oil each encircled with sheen (up to 2cm diameter) floating in water within trench- slight flooding in trench due to incoming tide	41°37.709' N	70°49.440' W
13	3.5'	1"	Trace sheen (<5mm diameter) floating in water within trench	41°37.709' N	70°49.442' W
14	3.5'	1"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
15	3.5'	1"	4 globules of oil each encircled with slight sheen (5mm diameter) floating in water within trench	41°37.707' N	70°49.444 W
16	5'	2"	1 B120 tar patty in sand within trench hardened and slightly plastic (0.5" diameter)- slight flooding in trench due to incoming tide	41°37.706' N	70°49.444 W
17	5'	2"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
18	5'	2"	No evidence of oil in trench or spoils pile	NT	NT
19	5'	2"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT

Notes:
1. NT: Not Taken (if no evidence of oil observed by inspection team).
2. Length and Depth are approximate values.
3. Trenches are adjacent approximately 5 to 8 feet apart. Trench 1 is the eastern-most trench.

TABLE 1
LEISURE SHORES TRENCH LOCATIONS AND DESCRIPTIONS

BOUCHARD B120 OIL SPILL
BUZZARDS BAY, MASSACHUSETTS
SEPTEMBER 8, 2004

Row E (Approximately 70' south of high tide/ wrack line)
East Row Endpoint: 41°37.713' N 70°49.425' W
West Row Endpoint: Not Recorded

Trench #	Length (feet)	Depth (inches)	Field Team Observation	Coordinates North	Coordinates West
1	1'	2"	No evidence of oil in trench or spoils pile	NT	NT
2	1'	2"	No evidence of oil in trench or spoils pile	NT	NT
3	1'	2"	No evidence of oil in trench or spoils pile	NT	NT
4	1'	2"	No evidence of oil in trench or spoils pile	NT	NT
5	1.5'	2"	Trace sheening (12" diameter)	41°37.711' N	70°49.428' W
6	1.5'	2"	No evidence of oil in trench or spoils pile	NT	NT
7	1'	2"	No evidence of oil in trench or spoils pile	NT	NT
8	1'	2"	No evidence of oil in trench or spoils pile	NT	NT
9	1.5'	2"	No evidence of oil in trench or spoils pile	NT	NT
10	1.5'	2"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
11	1.5'	2"	1 pinhead-size fleck of oil with associated rainbow sheen streamer floating in water within trench	41°37.708' N	70°49.438' W
12	1.5'	2"	1 pinhead-size fleck of oil encircled with sheen (1cm diameter) floating in water within trench	41°37.706' N	70°49.440' W
13	2'	2"	5 pinhead-size flecks of oil each encircled with sheen (up to 1cm diameter) floating in water within trench	41°37.706' N	70°49.442' W
14	2.5'	2"	6 pinhead-size flecks of oil each encircled with sheen (up to 1cm diameter) floating in water within trench	41°37.709' N	70°49.444' W
15	3'	2"	3 pinhead-size flecks of oil each encircled with sheen (up to 2cm diameter) floating in water within trench	41°37.704' N	70°49.447' W
16	2'	2"	1 pinhead-size fleck of oil encircled with sheen (5mm diameter) floating in water within trench	41°37.703' N	70°49.448' W
17	2'	2"	No evidence of oil in trench or spoils pile	NT	NT
18	2'	2"	No evidence of oil in trench or spoils pile	NT	NT
19	2'	2"	No evidence of oil in trench or spoils pile	NT	NT

Notes:
1. NT: Not Taken (if no evidence of oil observed by inspection team).
2. Length and Depth are approximate values.
3. Trenches are adjacent approximately 5 to 8 feet apart. Trench 1 is the eastern-most trench.

TABLE 1
LEISURE SHORES TRENCH LOCATIONS AND DESCRIPTIONS

BOUCHARD B120 OIL SPILL
BUZZARDS BAY, MASSACHUSETTS
SEPTEMBER 8, 2004

Row F (Approximately 80' south of high tide/ wrack line)
East Row Endpoint: 41°37.713' N 70°49.421' W
West Row Endpoint: 41°37.699' N 70°49.453' W

Trench #	Length (feet)	Depth (inches)	Field Team Observation	Coordinates North	Coordinates West
1	2'	3"	No evidence of oil in trench or spoils pile	NT	NT
2	2'	3"	No evidence of oil in trench or spoils pile	NT	NT
3	2'	3"	1fleck of oil (5mm diameter) with associated rainbow sheen streamer floting in water	NT	NT
4	2.5'	3"	No evidence of oil in trench or spoils pile	NT	NT
5	2'	3"	No evidence of oil in trench or spoils pile	NT	NT
6	2.5'	3"	No evidence of oil in trench or spoils pile	NT	NT
7	2'	3"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
8	1.5"	2"	No evidence of oil in trench or spoils pile- flooded trench due to incoming tide. Black algae spot on gravel and shell	NT	NT
9	2'	3"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
10	2'	3"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
11	2'	3"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
12	2'	3"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
13	2'	3"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
14	2'	3"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
15	2'	3"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
16	2'	3"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
17	1.5'	3"	No evidence of oil in trench or spoils pile- slight flooding in trench due to incoming tide	NT	NT
18	2'	3"	3 pinhead- size flecks encircled by rainbow sheens (4cm x 2cm) floating in water within trench	41°37.697' N	70°49.453' W