

Weekly Field Report
Week: 05-11-14 through 05-17-14
New Bedford Harbor Lower Harbor CAD Cell (LHCC)

This Weekly Field Report was prepared to serve as a summary of field activities conducted throughout the week for Phase I dredging of the New Bedford Harbor Lower Harbor CAD Cell (LHCC) in New Bedford, Massachusetts.

1. Introduction:

The weekly field report describes the activities carried out by the Contractor (Cashman), the Owner's Representative (Apex Companies, LLC), and any subcontractors completing work within the scope of the project requirements.

This Weekly Field Report represents the twenty eighth Report associated with Phase I dredging of the LHCC in New Bedford Harbor, and the associated handling and disposal of dredged materials at CAD cells within the Harbor, and at designated open-water disposal sites approved for this Project.

This 28th Report for the LHCC dredging activities includes:

- Daily Inspection Reports from dredging oversight performed during the week of May 11th through May 17th, 2014. These reports include notes on the equipment used on site, and a summary of contractor activities. (See Attachment 1);
- Water Quality Monitoring Forms completed for the week of May 11th through May 17th, 2014, (Attachment 2) summarizing monitoring survey data recorded during active dredging. Included with the attached forms is Figure 1 Lower Harbor CAD Cell Phase I Water Quality Monitoring Plan, which shows the locations of the water quality monitoring events conducted during this reporting period. Per the approved Water Quality Monitoring Plan and associated performance standards for the dredging efforts being conducted during this reporting period, Apex has:
 - Conducted a minimum of one day of water quality monitoring during dredging.
 - Initiated three days of water quality monitoring during weir dewatering of disposal scows which is considered a new Project activity.
 - Performed visual inspections of dredged materials before the disposal of a scow for any visible debris or other items that could potentially become a hazard to navigation prior to the scow's departure for the offshore disposal site.

Summary:

The Contractor, Cashman Dredging and Marine Contracting, Co. LLC (Cashman) continued LHCC dredging activities for the week using the dredge plant *Dale Pyatt*. Dredging was conducted daily May 12th through May 16th; no dredging was performed on May 11th and the dredge *Dale Pyatt* was off-line for generator maintenance on May 17th. Dredging operations focused on the removal of Phase I Bottom of CAD Cell sediments. During this reporting period, dredging operations were conducted using a conventional digging bucket, with dredged materials being disposed offshore at the Rhode Island Sound Disposal Site (RISDS). Cashman was observed conducting these activities during the authorized operational window of 7 AM until sunset, utilizing one plant; the tug *Lucinda Smith*; two split-hull scows - *Mighty Quinn*, and the *M.E.R.C Shevlin*, with capacities of 3800, and 4800 cubic yards, respectively; along with two small utility boats.

With time of year restrictions currently in place (January 15th through June 15th) all dredging activities were conducted within a silt curtain perimeter surrounding the LHCC footprint.

2. Operational Notes:

Dredging:

Dredging of LHCC Phase I Bottom of CAD sediments continued during the week. Apex conducted two days of water quality monitoring; one day for regular dredge monitoring, and a second day (first of three days) for weir dewatering of the scows which was considered a new activity for the Project. Monitoring was performed May 14th and 16th whilst dredging and/or dewatering was being performed to ensure that these activities did not result in any exceedance of project-specific water quality standards.

Offshore Disposal:

Offshore disposal for LHCC Phase I Bottom of CAD sediments is scheduled and permitted for the Rhode Island Sound Disposal Site. Nine offshore disposal events were recorded during the week as follows – scow *Mighty Quinn* (May 12th, 14th, 15th, and 16th), and the scow *M.E.R.C Shevlin* (May 11th, 12th, 13th, 14th, and 16th).

Table 1 – Cumulative Dredging Progress

Period of Activity	Volume (cy)
Approximate Top of CAD Volume Dredged to Date*	24,890
Approximate Bottom of CAD Volume Dredged this Reporting Period	15,000
Approximate Bottom of CAD Volume Dredged to Date*	75,220

* Dredge volume quantities are estimated based on observed scow draft marks and an assumed density of the materials dredged. Scows may contain varying amounts of water along with the dredge materials, thereby influencing the scow draft marks and projected volumes. Given the uncertainty in the density of a composite mix of sediments being dredged, all volumes are confirmed and adjusted as necessary using bathymetric survey data.

3. Monitoring Summary

There were no water quality exceedances observed during this reporting period related to dredging operations. Turbidity monitoring was performed, however since there were no exceedances, no water quality samples were collected for chemical analysis.

Prepared by:
Apex Companies, LLC



John B. McAllister, P.E.
Senior Project Engineer

Attachment 1
Daily Inspection Reports



City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Adam Hart Date: 5/11/2014

Contractor: Cashman Foreman/Supt: -

Weather AM: Sunny Temperature AM: 54
PM: Scattered rain. Winds 5-15knts. WSW PM: 73

Tides High 0551 AM 1820 PM
Low 1135 AM - PM

Manpower Onsite

Foreman @ Hrs
Engineer @ Hrs
Operators @ Hrs
Mate @ Hrs
Deckhand @ Hrs
Other: 1 @ 1 Hrs

Equipment Onsite

Description: Dale Pyatt Hrs. 0
Eddie Carroll Hrs. 0
Lucinda Smith Hrs. 4
Grey Skiff Hrs. 1
M.E.R.C. Shevlin Hrs. 0
AF Maurice & SEI 38 Hrs. 0
Mighty Quinn Hrs. 11

Contractor Activities: (Attach Additional Sheets as Necessary)

Tug boat Lucinda Smith returns to port with the scow M.E.R.C. Shelvin. 0850-One foreman onsite on grey skiff heading toward the dredge plant Dale Pyatt to prepare the scow Mighty Quinn. 0952-All crew are offsite. 1018-Tug boat Lucinda Smith passes through the bridge north bound. 1025-Tug boat Lucinda Smith ties to the scow Mighty Quinn and brings the scow out of the silt curtain. 1120-Tug boat Lucinda Smith and scow Mighty Quinn head south through the bridge heading for an offshore disposal.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: 
Title: Environmental Technician

Date: 5/11/14
Page: 1 of 1

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File: DIR_LHCC_051114



City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Brett Young, Adam Hart **Date:** 5/12/2014

Contractor: Cashman **Foreman/Supt:** Dave Norton

Weather	AM:	<u>Sunny</u>	Temperature	AM:	<u>53</u>
	PM:	<u>Sunny. Winds 5-15knts. SW</u>		PM:	<u>72</u>

Tides	High	<u>0639</u>	AM	<u>1903</u>	PM
	Low	<u>0019</u>	AM	<u>1213</u>	PM

Manpower Onsite

Foreman	<u>1</u>	@	<u>8</u>	Hrs
Engineer	<u>1</u>	@	<u>11</u>	Hrs
Operators	<u>1</u>	@	<u>11</u>	Hrs
Mate	<u>1</u>	@	<u>11</u>	Hrs
Deckhand	<u>1</u>	@	<u>11</u>	Hrs
Other:	<u>1</u>	@	<u>9</u>	Hrs

Equipment Onsite

Description:	<u>Dale Pyatt</u>	Hrs.	<u>11</u>
	<u>MERC Shelvin</u>	Hrs.	<u>6</u>
	<u>Mighty Quinn</u>	Hrs.	<u>4</u>
	<u>Lucinda Smith</u>	Hrs.	<u>4</u>
	<u>Blue Skiff</u>	Hrs.	<u>11</u>
	<u>Survey 4</u>	Hrs.	<u>2</u>

Contractor Activities: (Continued on next page)

0615-No activity onsite. Dale Pyatt, MERC Shelvin, and Lucinda Smith tied up inside silt curtain. 0620-Survey 4 onsite. 0630-Dale Pyatt crew onsite. MERC Shelvin drafts: bow 5.5', stern 5.5'. 0711-Lucinda Smith moves the MERC Shelvin ahead. 0730-Dale Pyatt crane loads a generator aboard the Lucinda Smith. 0742-Silt curtain is closed. 0744-Lucinda Smith brings the generator to the Richie Barber. 0748-Dale Pyatt begins dredging at cut 6 station 6+91, depth 20'. 0800 Dale Pyatt pulls up a section of silt curtain, dredging stops and the blue skiff with two crew go to repair the curtain. 0813-Survey 4 offsite. 0818-Silt curtain is fixed. 0820-Dale Pyatt steps back with walking spud and begins dredging cuts 8 & 10 station 7+16, depth 23'. 0910 Edna ties to the northern staging area.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: 
Title: Environmental Technician
Copy to: File

Date: 5/12/2014
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File: DIR_LHCC_051214



City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Brett Young, Adam Hart **Date:** 5/12/2014

Contractor: Cashman **Foreman/Supt:** Dave Norton

Weather	AM:	<u>Sunny</u>	Temperature	AM:	<u>53</u>
	PM:	<u>Sunny. Winds 5-15knts. SW</u>		PM:	<u>72</u>

Tides	High	<u>0639</u>	AM	<u>1903</u>	PM
	Low	<u>0019</u>	AM	<u>1213</u>	PM

Contractor Activities: (Continued from Page 1)

0925-Lucinda ties to the northern staging area. 0945-Survey 4 onsite. 1000-Edna ties to the SEI 30 and heads south. 1020-Dale Pyatt relocates and begins dredging cut 8 station 7+19, depth 24'. 1029-Dale Pyatt pulls another piece of silt curtain and stops dredging to fix it. 1040-Silt curtain is fixed, Dale Pyatt resumes dredging. 1203-Dale Pyatt stops dredging, the scow is full. MERC Shelvin drafts: bow 8', stern 8.5'. 1215-Survey 4 offsite. 1220-MERC Shelvin inspected and cleared for offshore disposal. 1244-Lucinda Smith ties the Mighty Quinn up to the Dale Pyatt. Mighty Quinn drafts: bow 4.5', stern 4.5'. 1315-Lucinda Smith takes the MERC Shelvin south for offshore disposal. 1320-Silt curtain is closed. 1324-Dale Pyatt begins dredging into the Mighty Quinn. 1405-Dale Pyatt dredging cuts 5 & 8 station 7+20, depth 19'. 1500-Dale Pyatt dredging 5, 8, & 9 station 6+94, depth 18'. Mighty Quinn drafts: bow 8', stern 8.5'. 1605-Dale Pyatt makes a move, begins dredging cuts 4 & 5 station 6+02, depth 18'. 1640-Dredge plant Dale Pyatt fills the scow Mighty Quinn with a draft of 12'. Dale Pyatt is washing off the scow Mighty Quinn. 1707-Scow Mighty Quinn is inspected and cleared for offshore disposal with a draft of 12'. 1710-Scow Mighty Quinn is aground, dredge plant Dale Pyatt is repositioning for the morning removal of the scow. 1735-Scow Mighty Quinn is no longer aground and is in position for 5/13/14. 1830-All crews are off site, no further activity.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: 
Title: Environmental Technician

Date: 5/12/2014
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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802
Inspection Report

Inspector: Brett Young, Adam Hart

Date: 5/12/2014

Contractor: Cashman

Foreman/Supt: Dave Norton



Dale Pyatt dredging into the MERC Shelvin



Dale Pyatt dredging into the Mighty Quinn

Visitors:

Signature: _____
Title: Environmental Technician

Date: 5/12/2014
Page: 3 of 3

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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Adam Hart Date: 5/13/2014

Contractor: Cashman Foreman/Supt: John Benoit

Weather AM: Sunny Temperature AM: 63
PM: Sunny. Winds 10-15knts. NE PM: 45

Tides High 0725 AM 1947 PM
Low 0102 AM 1253 PM

Manpower Onsite

Foreman	<u>1</u>	@	<u>11</u>	Hrs
Engineer	<u>1</u>	@	<u>11</u>	Hrs
Operators	<u>1</u>	@	<u>11</u>	Hrs
Mate	<u>1</u>	@	<u>11</u>	Hrs
Deckhand	<u>1</u>	@	<u>11</u>	Hrs
Other:	<u> </u>	@	<u> </u>	Hrs

Equipment Onsite

Description:	<u>Dale Pyatt</u>	Hrs.	<u>11</u>
	<u>MERC Shelvin</u>	Hrs.	<u>6</u>
	<u>Mighty Quinn</u>	Hrs.	<u>4</u>
	<u>Lucinda Smith</u>	Hrs.	<u>4</u>
	<u>Blue Skiff</u>	Hrs.	<u>11</u>
	<u>Survey 4</u>	Hrs.	<u>1</u>
	<u>Grey Skiff</u>	Hrs.	<u>1</u>

Contractor Activities: (Continued on next page)

1200-Dredge plant Dale Pyatt dredging into the scow M.E.R.C. Shelvin with a draft of 11'. 1224-Scow M.E.R.C. Shelvin is filled with a draft of 12'. Dredge plant Dale Pyatt washes off the scow. 1230-Crews are greasing the bucket and wires of the Dale Pyatt. 1235-Scow M.E.R.C. Shelvin is inspected and cleared for offshore disposal. 1347-Survey 4 passes north bound through the bridge. 1355-Survey 4 offsite. 1357-Crew opens the silt curtain. 1420-Tug boat Lucinda Smith and scow Mighty Quinn tie to the staging area with the help of the blue and grey skiffs. 1435-Tug boat Lucinda Smith ties to the loaded M.E.R.C. Shelvin. 1440-Scow M.E.R.C. Shelvin is untied from the dredge plant Dale Pyatt and tug boat Lucinda Smith brings the scow out of the silt curtain.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: 
Title: Environmental Technician
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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Adam Hart Date: 5/13/2014

Contractor: Cashman Foreman/Supt: John Benoit

Weather AM: Sunny Temperature AM: 63
PM: Sunny. Winds 10-15knts. NE PM: 45

Tides High 0725 AM 1947 PM
Low 0102 AM 1253 PM

Contractor Activities: (Continued from Page 1)

1500- Scow M.E.R.C. Shelvin is tied to the staging area. 1516-Tug boat Lucinda Smith ties to the Mighty Quinn. 1534-Small piece of boom observed floating south. Crew goes to retrieve the silt curtain. 1540-Scow Mighty Quinn is tied to the Dale Pyatt. 1550-Tug boat Lucinda Smith exits the silt curtain. 1555-Silt curtain is closed. 1600-Tug boat Lucinda Smith ties to the M.E.R.C. Shelvin. 1607-Dredge plant Dale Pyatt begins dredging into the scow Might Quinn. 1623-Tug boat Lucinda Smith and scow M.E.R.C. Shelvin pass south bound through the bridge heading for an offshore disposal. 1750-Dredge plant Dale Pyatt stops dredging (Mighty Quinn is not filled will fill on 5/14/14). 1758-Dredge plant Dale Pyatt repositions so scow Mighty Quinn does not go aground during low tide. 1848-All crews offsite. No further activity.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: 
Title: Environmental Technician

Date: 5/13/2014
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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Adam Hart

Date: 5/13/2014

Contractor: Cashman

Foreman/Supt: John Benoit



Scow M.E.R.C. Shelvin tied to the dredge Dale Pyatt



Small piece of boom floating south.

Visitors:

Signature: _____

Date: 5/13/2014

Title: Environmental Technician

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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Christopher Stillman, Adam Hart **Date:** 5/14/2014

Contractor: Cashman/Weeks **Foreman/Supt:** John Benoit

Weather	AM:	<u>Clear</u>	Temperature	AM:	<u>60</u>
	PM:	<u>Clear. Winds 10knts. or less SE</u>		PM:	<u>64</u>

Tides	High	<u>0810</u>	AM	<u>2031</u>	PM
	Low	<u>0145</u>	AM	<u>1334</u>	PM

Manpower Onsite

Foreman	<u>1</u>	@	<u>13</u>	Hrs
Engineer	<u>1</u>	@	<u>13</u>	Hrs
Operators	<u>1</u>	@	<u>13</u>	Hrs
Mate	<u>1</u>	@	<u>2</u>	Hrs
Deckhand	<u>2</u>	@	<u>13</u>	Hrs
Other:	<u>1</u>	@	<u>1</u>	Hrs

Equipment Onsite

Description:	<u>Dale Pyatt</u>	Hrs.	<u>12</u>
	<u>M.E.R.C. Shelvin</u>	Hrs.	<u>8</u>
	<u>Mighty Quinn</u>	Hrs.	<u>3</u>
	<u>Lucinda Smith</u>	Hrs.	<u>5</u>
	<u>Blue Skiff</u>	Hrs.	<u>13</u>
	<u>Survey 4</u>	Hrs.	<u>2</u>

Contractor Activities: (Continued on next page)

0600-Tug Lucinda Smith arrives in the harbor with the empty split scow MERC Shevlin. 0645-Dredge plant Dale Pyatt crew arrives. 0705-The dredge plant Dale Pyatt begins dredging into the split scow Mighty Quinn, draft marks at 8' bow and stern. 0710-Dredging stops, Survey 4 enters the curtain and begins surveying. 0728-Survey 4 exits curtain, dredging resumes. 0745-Mighty Quinn draft marks at @ 10' Bow and 9.8 stern. 0930-Dredging stops, dredge plant begins wash down of split scow Mighty Quinn, inspected and cleared for Rhode Island Disposal. 0945-Tug Lucinda Smith moving the split scow Mighty Quinn to north staging prior to bridge transit to transit to Rhode Island Disposal Area.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: 
Title: Environmental Technician
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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Christopher Stillman, Adam Hart

Date: 5/14/2014

Contractor: Cashman/Weeks

Foreman/Supt: John Benoit

Weather	AM:	<u>Clear</u>	Temperature	AM:	<u>60</u>
	PM:	<u>Clear. Winds 10knts. or less SE</u>		PM:	<u>64</u>
Tides	High	<u>0810</u>	AM	<u>2031</u>	PM
	Low	<u>0145</u>	AM	<u>1334</u>	PM

Contractor Activities: (Continued from Page 1)

1040-Tug Lucinda Smith brings the split scow Merc Shevlin from north staging to the dredge plant Dale Pyatt. 1100-Dredge plant shifts location to the northeast station 6+02 in cut 7 and begins dredging. 1115-Tug Lucinda Smith takes the split scow Mighty Quinn through the bridge headed for Rhode Island Disposal site. 1215-Dredge plant Dale Pyatt stops dredging. 1230-Dredge plant Dale Pyatt repositions and dredging resumes. 1402-Dredge plant Dale Pyatt stops dredging to move the split scow M.E.R.C. Shelvin westward along side. 1410-Dredge plant Dale Pyatt resumes dredging. 1530-Crew grabs three material samples from the M.E.R.C. Shelvin to determine weight of 100% saturated material. 1620-Crew is repairing silt curtain. 1629-Silt curtain is repaired. 1722-Captain Dave Norton offsite. 1726-Washer fell off bucket, crew is working on replacing it. 1805-Dredging resumes. 1839-Dredge plant Dale Pyatt fills the scow M.E.R.C. Shelvin with a draft of 11.5' 1845-Scow M.E.R.C. Shelvin is inspected and cleared for Rhode Island offshore disposal. 1850-Silt curtain is opened. 1905-All crews offsite. Survey 4 on site. 1925-Survey 4 offsite. No further site activity.

Problems/Issues or Action Items:

None /N/A

Visitors:

Signature: 

Date: 5/14/14

Title: Environmental Technician

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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Christopher Stillman, Adam Hart

Date: 5/14/2014

Contractor: Cashman/Weeks

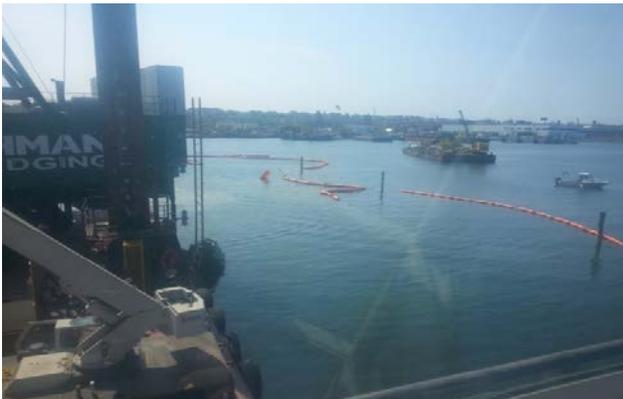
Foreman/Supt: John Benoit



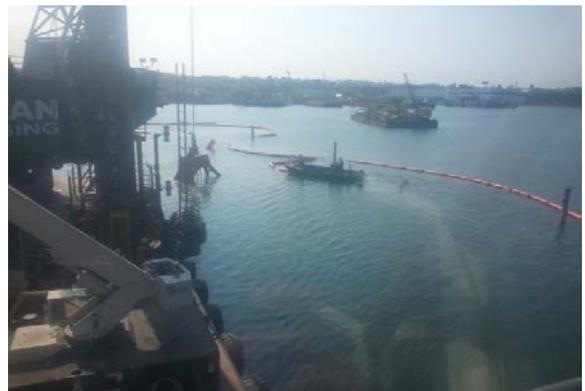
Dredge plant Dale Pyatt dredging into the scow M.E.R.C. Shelvin



Crew taking material samples from the scow M.E.R.C. Shelvin to determine weight



Section of silt curtain no longer overlaps and will be repaired



Crew repairing gaps in silt curtain

Visitors: 0

Signature: _____
Title: Environmental Technician

Date: 5/14/14
Page: 3 of 3

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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Chris Stillman Date: 5/15/2014

Contractor: Cashman Foreman/Supt: John Benoit

Weather	AM:	<u>Overcast</u>	Temperature	AM:	<u>55</u>
	PM:	<u>Overcast. Winds 5-15knts. SSE</u>		PM:	<u>73</u>
Tides	High	<u>0857</u>	AM	<u>2118</u>	PM
	Low	<u>0230</u>	AM	<u>1419</u>	PM

Manpower Onsite

Foreman	<u>1</u>	@	<u>11</u>	Hrs
Engineer	<u>1</u>	@	<u>11</u>	Hrs
Operators	<u>1</u>	@	<u>11</u>	Hrs
Mate	<u>1</u>	@	<u>11</u>	Hrs
Deckhand	<u>1</u>	@	<u>11</u>	Hrs
Other:	<u> </u>	@	<u> </u>	Hrs

Equipment Onsite

Description:	<u>Dale Pyatt</u>	Hrs.	<u>11</u>
	<u>Lucinda Smith</u>	Hrs.	<u>11</u>
	<u>Blue Skiff</u>	Hrs.	<u>11</u>
	<u>M.E.R.C. Shevlin</u>	Hrs.	<u>12</u>
	<u>AF Maurice & SEI 38</u>	Hrs.	<u>0</u>
	<u>Mighty Quinn</u>	Hrs.	<u>7</u>

Contractor Activities: (Continued on next page)

0648-The Dale Pyatt crew arrives on site. 0700-The Dale Pyatt begins dredging into the Mighty Quinn at cut 7, stations 5+47. 0800-The Mighty Quinn is drafting at 5' at the bow and stern. 0818-Dredging stops as Survey 4 arrives on site. 0845-The Dale Pyatt resumes dredging into the Mighty Quinn. 0915-Using the walker spud, the Dale Pyatt relocates to cut 6, stations 4+25. 1026-The Dale Pyatt stops dredging. The crew is greasing the stern spud. 1115-The Dale Pyatt is finished dredging into the Mighty Quinn, drafting at 12.5'-bow, 13'-stern. 1145-Apex off site to attend GZA meeting at Shusters bulkhead. 1315-The Lucinda Smith and the M.E.R.C Shevlin head north through the bridge to the northern staging area. 1340-The Mighty Quinn is inspected and cleared for offshore disposal. 1355-The Lucinda Smith ties to

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: 
Title: Environmental Technician

Date: 5/15/14
Page: 1 of 2

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File: DIR_LHCC_051514



City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Chris Stillman Date: 5/15/2014

Contractor: Cashman Foreman/Supt: John Benoit

Weather	AM:	<u>Overcast</u>	Temperature	AM:	<u>55</u>
	PM:	<u>Overcast. Winds 5-15knts. SSE</u>		PM:	<u>73</u>

Tides	High	<u>0857</u>	AM	<u>2118</u>	PM
	Low	<u>0230</u>	AM	<u>1419</u>	PM

Contractor Activities: (Continued from Page 1)

the Mighty Quinn and exits the silt curtain. 1410-The Lucinda Smith ties to the M.E.R.C Shevlin and brings it to the port side of the Dale Pyatt. 1447-The Lucinda Smith leaves the silt curtain. 1450-The silt curtain closes. 1452-The Dale Pyatt begins dredging into the M.E.R.C Shevlin. 1545-The Dale Pyatt stops dredging to move northwest 20'. The M.E.R.C. Shevlin's bow is stuck. 1558-The M.E.R.C is pulled north and freed. The Dale Pyatt repositions and rotates 180 degrees with the M.E.R.C. Shevlin so the scow does not run aground again. 1613-The Dale Pyatt resumes dredging into the M.E.R.C. Shevlin from its new position. 1715-The Dale Pyatt repositions south and continues dredging. 1754-Dredging stops due to an issue with the stern spud on the Dale Pyatt. 1803-Dredging resumes. 1820-The Dale Pyatt finishes dredging for the day. The M.E.R.C. Shevlin drafts at bow-10', stern-11'. 1830-All crews depart.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: 
Title: Environmental Technician

Date: 5/15/14
Page: 2 of 2

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City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Chris Stillman Date: 5/16/2014

Contractor: Cashman Foreman/Supt: John Benoit

Weather	AM:	<u>Overcast</u>	Temperature	AM:	<u>60</u>
	PM:	<u>Rain. Winds 10-20knts. SSE</u>		PM:	<u>69</u>
Tides	High	<u>0946</u>	AM	<u>2207</u>	PM
	Low	<u>0315</u>	AM	<u>1505</u>	PM

Manpower Onsite

Foreman	<u>1</u>	@	<u>11</u>	Hrs
Engineer	<u>1</u>	@	<u>11</u>	Hrs
Operators	<u>1</u>	@	<u>11</u>	Hrs
Mate	<u>1</u>	@	<u>11</u>	Hrs
Deckhand	<u>1</u>	@	<u>11</u>	Hrs
Other:	<u> </u>	@	<u> </u>	Hrs

Equipment Onsite

Description:	<u>Dale Pyatt</u>	Hrs.	<u>11</u>
	<u>Lucinda Smith</u>	Hrs.	<u>11</u>
	<u>Blue Skiff</u>	Hrs.	<u>11</u>
	<u>M.E.R.C. Shelvin</u>	Hrs.	<u>12</u>
	<u>AF Maurice & SEI 38</u>	Hrs.	<u>0</u>
	<u>Mighty Quinn</u>	Hrs.	<u>7</u>

Contractor Activities: (Continued on next page)

0615-No activity observed on-site. 0630-Crew of the dredge Dale Pyatt arrive via the blue skiff. Tug Lucinda Smith and scow Mighty Quinn (drafting 4.5' FWD and 5' AFT) at south staging area. Dredging into the scow MERC Shelvin begins at 0720 and stops at 0730, scow drafting 10.5' FWD and 11' AFT, confirmed with Dredge Captain that weir dewatering underway, APEX initiates WQ monitoring. 0810-Dredging resumes. 0835-MERC Shelvin drafting 13' FWD and 12' AFT. 0908-Dredging stops, MERC Shelvin is full. 0910-Survey 4 on-site. 0923-Curtain opened - Tug Lucinda Smith brings empty scow Mighty Quinn into dredge area. 0934-Scow MERC Shelvin inspected and cleared for offshore disposal at RISDS.

0945-Lucinda Smith brings MERC Shelvin to south staging area.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: 
Title: Environmental Technician
Copy to: File

Date: 5/16/14
Page: 1 of 2
File: DIR_LHCC_051614



City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802
Inspection Report

Inspector: Chris Stillman Date: 5/16/2014

Contractor: Cashman Foreman/Supt: John Benoit

Weather	AM:	<u>Overcast</u>	Temperature	AM:	<u>60</u>
	PM:	<u>Rain. Winds 10-20knts. SSE</u>		PM:	<u>69</u>
Tides	High	<u>0946</u>	AM	<u>2207</u>	PM
	Low	<u>0315</u>	AM	<u>1505</u>	PM

Contractor Activities: (Continued from Page 1)

1000-Silt curtain closed and dredging resumes, dredging into the scow Mighty Quinn. 1030-Dredging continues. 1210-Dredging continues, scow drafting 8' FWD 12' AFT. 1219-Dredge shifted to a new position. 1304-Scow drafting 12' FWD/AFT. Dredging stops at 1320, scow full at 12' FWD and 12.5' AFT. 1330-Scow Mighty Quinn inspected and cleared for disposal at RISDS. No further activities observed for the day.

Problems/Issues or Action Items:

None / N/A

Visitors:

Signature: 
Title: Environmental Technician
Copy to: File

Date: 5/16/14
Page: 2 of 2
File: DIR_LHCC_051614



City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802

Inspection Report

Inspector: Brett Young **Date:** 5/17/2014
Contractor: Cashman **Foreman/Supt:** John Benoit

Weather	AM:	<u>Rain</u>	Temperature	AM:	<u>71</u>
	PM:	<u>Clear. Winds 10-20knts. SSW</u>		PM:	<u>49</u>
Tides	High	<u>1036</u>	AM	<u>2259</u>	PM
	Low	<u>0400</u>	AM	<u>1553</u>	PM

Manpower Onsite

Foreman	<u>1</u>	@	<u>10</u>	Hrs
Engineer	<u>1</u>	@	<u>10</u>	Hrs
Operators	<u>1</u>	@	<u>10</u>	Hrs
Mate	<u>1</u>	@	<u>10</u>	Hrs
Deckhand	<u>1</u>	@	<u>10</u>	Hrs
Other:	<u> </u>	@	<u> </u>	Hrs

Equipment Onsite

Description:	<u>Dale Pyatt</u>	Hrs.	<u>0</u>
	<u>MERC Shelvin</u>	Hrs.	<u>0</u>
	<u>Mighty Quinn</u>	Hrs.	<u>24</u>
	<u>Lucinda Smith</u>	Hrs.	<u>2</u>
	<u>Blue Skiff</u>	Hrs.	<u>6</u>
	<u>Survey 4</u>	Hrs.	<u>2</u>

Contractor Activities: (Attach Additional Sheets as Necessary)

0600-Crew begins to arrive at Pope's Island Marina. 0630-Crew boards the Dale Pyatt. Silt curtain is open. No scow inside silt curtain. 0644-Lucinda Smith brings the MERC Shelvin to the Dale Pyatt. 0655- Survey 4 onsite. 0700-Lucinda Smith exits and ties to the North Staging Area. 0706-Silt curtain is closed. 0834-Silt curtain is opened, Survey 4 exits. 1210-Lucinda Smith ties to the MERC Shelvin and brings it to the North Staging Area. 1230-Lucinda Smith ties to the Dale Pyatt and prepares to bring it south. 1250- Dale Pyatt has trouble with the generator and can not lift the spuds. 1325-Lucinda Smith takes the Dale Pyatt south through the bridge. No equipment or crew on site.

Problems/Issues or Action Items:

Lucinda Smith and Dale Pyatt made contact with the guard rails while going south through the bridge and caused some minor damage. New Bedford Police and US Coast Guard were onsite and assessed the damage to be minimal. Dale Pyatt generator is damaged and will not be inactive for a few days.

Visitors:

Signature:  Date: 5/17/2014
Title: Environmental Scientist Page: 1 of 2
Copy to: File File: DIR_LHCC_051714



City of New Bedford Harbor Development Commission
New Bedford Harbor USEPA Lower Harbor CAD Cell
CFDA No.: 66.802
Inspection Report

Inspector: Brett Young

Date: 5/17/2014

Contractor: Cashman

Foreman/Supt: John Benoit



Dale Pyatt at Lower Harbor CAD Cell



Lucinda Smith moves the MERC Shelvin



Lucinda Smith takes the Dale Pyatt to South Terminal



No equipment onsite

Signature: 
Title: Environmental Scientist
Copy to: File

Date: 5/17/2014
Page: 2 of 2
File: DIR_LHCC_051714

Attachment 2
Water Quality Monitoring Forms

PROJECT: New Bedford Harbor Lower Harbor CAD Cell

JOB NUMBER: 6724

DATE: 5/14/2014

MONITORS: Kaios Ryan

WEATHER CONDITIONS: High: 64 Low: 44

WIND: 4-14 mph Southeast

PRIOR STORM EVENTS: n/a

DREDGE UPDATE:

TYPE OF WATER QUALITY MONITORING EVENT: TOP CAD Dredging / BTM CAD Dredging / Disposal

TIDE High: 0810/2031 Low: 0145/1334

Please Note: In some instances, the down-current monitoring event occurred prior to the up-current monitoring event. This is the result of the initial analysis of our field crew indicating one direction of flow, however our checks from our Quality Control program provided a more accurate depiction of the pattern, which is how the information is now presented below.



UP-CURRENT

Monitoring ID #	NORTHING/EASTING	TIME	TOTAL WATER DEPTH (ft)	SAMPLE DEPTH (ft)	TURBIDITY (NTUs)	GPS FILE NAME	TIDAL STAGE	TYPE OF WQM & DISTANCE FROM LOCATION	NUMBER OF HOURS DREDGING
051414-00-1-1	814964 , 2696376	0710	10	1	2.55		Flooding	15' S of Silt Curtain	00
051414-00-1-4.5		0712		4.5	2.99				
051414-00-1-9		0714		9	2.09				
AVERAGE TURBIDITY:					2.54				
051414-02-1-1	815146 , 2697181	0917	7.1	1	3.74		Ebbing	15' N of Silt Curtain	02
051414-02-1-3		0919		3	3.34				
051414-02-1-7		0921		7	2.23				
AVERAGE TURBIDITY:					3.10				
051414-04-1-1	815133 , 2697204	1110	5.6	1	2.38		Ebbing	15' N of Silt Curtain	04
051414-04-1-2.5		1112		2.5	2.2				
051414-04-1-5		1114		5	3.11				
AVERAGE TURBIDITY:					2.56				
051414-06-1-1	815120 , 2697203	1325	3.8	1	2.49		Ebbing	15' N of Silt Curtain	06
051414-06-1-1.5		1327		1.5	2.95				
051414-06-1-3		1329		3	2.84				
AVERAGE TURBIDITY:					2.76				
051414-08-1-1	815017 , 2696306	1510	7.71	1	2.41		Flooding	15' S of Silt Curtain	08
051414-08-1-3.5		1512		3.5	2.44				
051414-08-1-7		1514		7	2.04				
AVERAGE TURBIDITY:					2.30				

Down-Current

Monitoring ID #	NORTHING/EASTING	TIME	TOTAL WATER DEPTH (ft)	SAMPLE DEPTH (ft)	TURBIDITY (NTUs)	GPS FILE NAME	TIDAL STAGE	DISTANCE FROM DREDGE/SILT CURTAIN	NUMBER OF HOURS DREDGING
051414-00-9-1	814989 , 2697096	0716	8.5	1	2.58		Flooding	15' N of Silt Curtain	00
051414-00-9-4		0718		4	3.27				
051414-00-9-8		0720		8	3.18				
AVERAGE TURBIDITY:					3.01				
TURBIDITY INCREASE:					0.47				
051414-02-9-1	815399 , 2696772	0923	23.3	1	3.78		Ebbing	15' S of Silt Curtain	02
051414-02-9-11.5		0925		11.5	3.99				
051414-02-9-23		0927		23	7.14				
AVERAGE TURBIDITY:					4.97				
TURBIDITY INCREASE:					1.87				
051414-04-9-1	815410 , 2696869	1117	24.4	1	2.53		Ebbing	15' S of Silt Curtain	04
051414-04-9-12		1119		12	3.32				
051414-04-9-24		1121		24	3.7				
AVERAGE TURBIDITY:					3.18				
TURBIDITY INCREASE:					0.62				
051414-06-9-1	815382 , 2696832	1333	21.5	1	3.03		Ebbing/Slack	15' S of Silt Curtain	06
051414-06-9-10.5		1335		10.5	4.64				
051414-06-9-5.45		1337		5.45	5.45				
AVERAGE TURBIDITY:					4.37				
TURBIDITY INCREASE:					1.61				
051414-08-9-1	815012 , 2697034	1520	4.3	1	2.49		Flooding	15' N of Silt Curtain	08
051414-08-9-2		1522		2	2.85				
051414-08-9-4		1524		4	6.01				
AVERAGE TURBIDITY:					3.78				
TURBIDITY INCREASE:					1.49				

* Turbidity Increase = Down-Current Average Turbidity - Up-Current Average Turbidity

PROJECT: New Bedford Harbor Lower Harbor CAD Cell

JOB NUMBER: 6724

DATE: 5/16/2014

MONITORS: Kaios Ryan

WEATHER CONDITIONS: High: 69 Low: 60

WIND: 14-22 mph South-south-east

PRIOR STORM EVENTS: Rain today

DREDGE UPDATE:

TYPE OF WATER QUALITY MONITORING EVENT: TOP CAD Dredging / BTM CAD Dredging / Disposal

TIDE High: 0946/2207 Low: 0315/1505



Please Note: In some instances, the down-current monitoring event occurred prior to the up-current monitoring event. This is the result of the initial analysis of our field crew indicating one direction of flow, however our checks from our Quality Control program provided a more accurate depiction of the pattern, which is how the information is now presented below.

UP-CURRENT

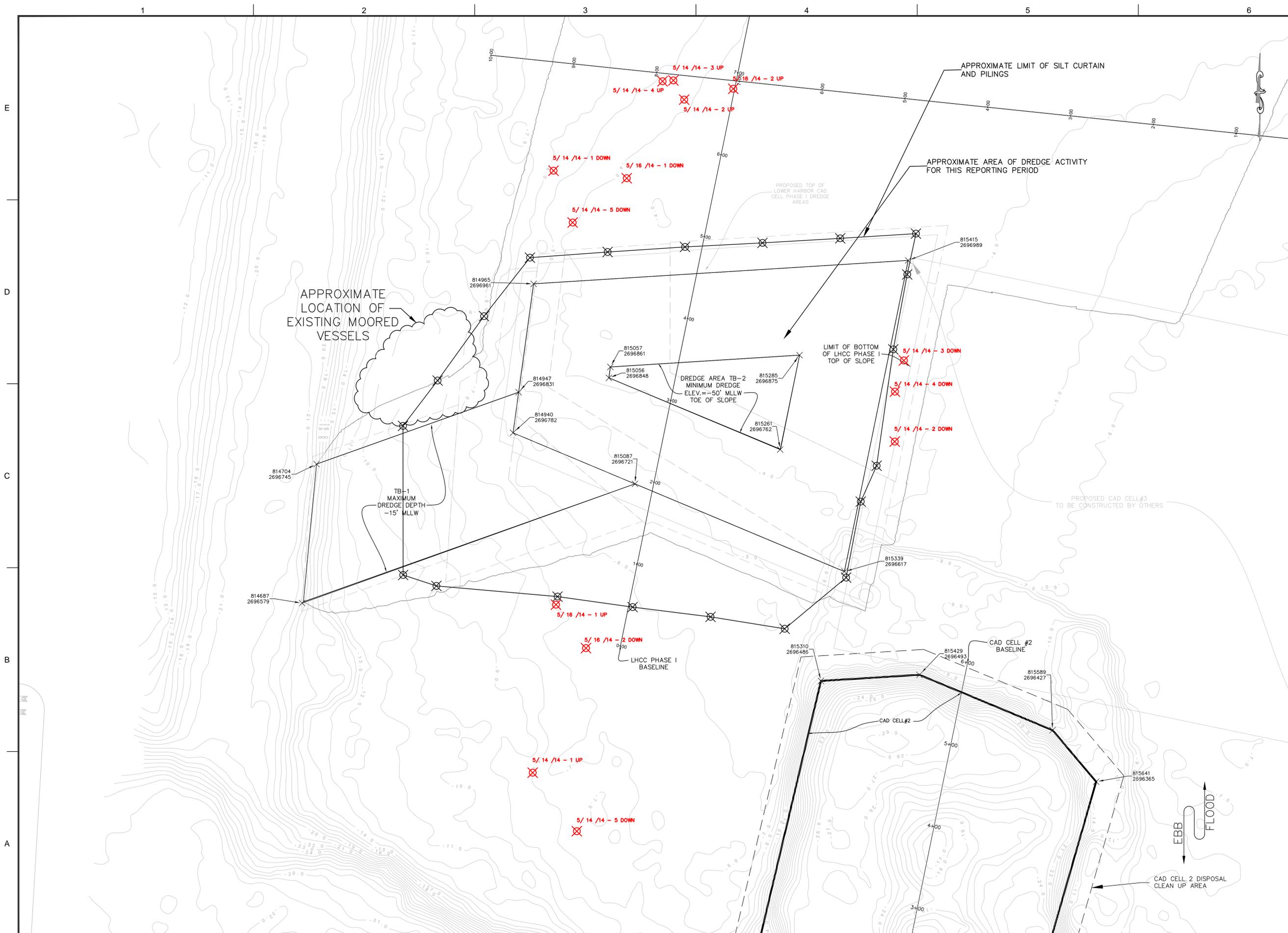
Monitoring ID #	NORTHING/EASTING	TIME	TOTAL WATER DEPTH (ft)	SAMPLE DEPTH (ft)	TURBIDITY (NTUs)	GPS FILE NAME	TIDAL STAGE	TYPE OF WQM & DISTANCE FROM LOCATION	NUMBER OF HOURS DREDGING
051614-00-1-1	814992 , 2696577	0800	9.7	1	2.55		Flooding	15' S of Silt Curtain	00
051614-00-1-5		0802		5	2.99				
051614-00-1-9		0804		9	2.09				
AVERAGE TURBIDITY:					2.54				
051614-02-1-1	815205 , 2697194	1140	6.5	1	3.25		Ebbing	15' N of Silt Curtain	02
051614-02-1-3		1142		3	4.31				
051614-02-1-6		1144		6	4.28				
AVERAGE TURBIDITY:					3.95				
051614- -1-									
051614- -1-									
051614- -1-									
AVERAGE TURBIDITY:									
051614- -1-									
051614- -1-									
051614- -1-									
AVERAGE TURBIDITY:									
051614- -1-									
051614- -1-									
051614- -1-									
AVERAGE TURBIDITY:									

Down-Current

Monitoring ID #	NORTHING/EASTING	TIME	TOTAL WATER DEPTH (ft)	SAMPLE DEPTH (ft)	TURBIDITY (NTUs)	GPS FILE NAME	TIDAL STAGE	DISTANCE FROM DREDGE/SILT CURTAIN	NUMBER OF HOURS DREDGING
051614-00-9-1	815077 , 2697087	0807	6.9	1	4.12		Flooding	15' N of Silt Curtain	00
051614-00-9-3.5		0809		3.5	3.81				
051614-00-9-6		0811		6	4.08				
AVERAGE TURBIDITY:					4.00				
TURBIDITY INCREASE:					1.46				
051614-02-9-1	815028 , 2696525	1149	9.2	1	4.98		Ebbing	15' S of Silt Curtain	02
051614-02-9-4.5		1151		4.5	5.63				
051614-02-9-8		1153		8	3.91				
AVERAGE TURBIDITY:					4.84				
TURBIDITY INCREASE:					0.89				
051614- -9-									
051614- -9-									
051614- -9-									
AVERAGE TURBIDITY:									
TURBIDITY INCREASE:									
051614- -9-									
051614- -9-									
051614- -9-									
AVERAGE TURBIDITY:									
TURBIDITY INCREASE:									
051614- -9-									
051614- -9-									
051614- -9-									
AVERAGE TURBIDITY:									
TURBIDITY INCREASE:									

* Turbidity Increase = Down-Current Average Turbidity - Up-Current Average Turbidity

Figure 1
Lower Harbor CAD Cell Phase I – Water Quality Monitoring



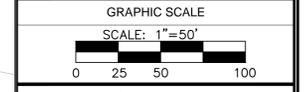
ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA -
NEW BEDFORD, MA - HOLYOKE, MA
125 BROAD STREET, 5TH FLOOR
BOSTON, MA 02210
58H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

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PROJECT	NEW BEDFORD HARBOR DEVELOPMENT COMMISSION LOWER HARBOR CAD CELL	
	OWNER	NEW BEDFORD HARBOR DEVELOPMENT COMMISSION 52 FISHERMAN'S WHARF, NEW BEDFORD, MA 02740

1	9/25/2012	EPA COMMENTS	GCD
2	2/21/2013	DRAFT SUITABILITY	MCK

DATE	DESCRIPTION	BY
PROJECT NO.	6724	
CADD FILE		
DESIGNED BY	CHM	
DRAWN BY	GCD	
CHECKED BY	GCD	
DATE	MAY 2013	
DRAWING SCALE	AS NOTED	



SHEET TITLE
BOTTOM OF LOWER HARBOR CAD CELL PHASE 1 WATER QUALITY
5/11/14- 5/17/14

DRAWING NO.
WQM-1