

Weekly Field Report
Week: 03-02-14 through 03-08-14
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 eighteenth 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 18th Report for the LHCC dredging activities includes:

- Daily Inspection Reports from the dredging oversight performed during the week of March 2nd through March 8th, 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 March 2nd through March 8th, 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 water quality monitoring a minimum of one day per week
 - 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) conducted dredging at the LHCC on March 3rd, 4th, 5th, 6th, 7th, and 8th. Dredging operations focused on the strategic 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 7AM until sunset, utilizing a single dredge plant – the Bobby D; the tugs Henri, Ellsea, and Lucinda Smith; a 2800 cubic yard split scow – Eddie Carroll; and two small utility boats. With time of year restrictions now in place (January 15th through June 15th) all dredging activities were conducted within a silt curtained perimeter surrounding the LHCC.

2. Operational Notes:

Dredging:

Dredging of LHCC Phase I Bottom of CAD sediments continued during the week. Dredging operations focused on the removal of bottom of dredge sediments. Apex conducted one day of water quality monitoring on March 5th while dredging was being performed to ensure that this activity did not result in an exceedance of any 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. Three offshore disposal events, using the split scow Eddie Carroll, were recorded during the week and occurred on March 4th, 6th, and 8th.

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	5,400
Approximate Bottom of CAD Volume Dredged to Date*	15,400

* Dredge volume quantities are estimated based on observed scow draft marks and an assumed density of the materials dredged. 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. No water quality samples were collected.

Prepared by:
Apex Companies, LLC



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



Don Boyé
Senior Project Manager

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: Kaios Ryan

Date: 03/02/2014

Contractor: Cashman **Foreman/Supt:** No Captain on site

Weather	AM:	<u>Cloudy</u>	Temperature	AM:	<u>37</u>
	PM:	<u>Light Snow</u>		PM:	<u>19</u>
Tides	High	<u>0826</u>	AM	<u>2048</u>	PM
	Low	<u>0143</u>	AM	<u>1402</u>	PM

Manpower Onsite

Foreman 0 @ 0 Hrs
Operators 0 @ 0 Hrs
Laborers 0 @ 0 Hrs
Drivers 0 @ 0 Hrs

Other: _____ @ _____ Hrs

Equipment Onsite

Description: Bobby D. Hrs. 0
Eddie Carroll Hrs. 0

_____ Hrs. _____

Contractor Activities: (Attach Additional Sheets as Necessary)

0634 no activity on site. 0934 no activity on site. Eddie Carroll is back from its off shore disposal. 1245 no activity on site.

Problems/Issues or Action Items:

Visitors: _____

Signature: *Kaios Ryan*

Title: Environmental Scientist

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Date: 03/02/2014

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File: DIR_LHCC_030214



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

Inspector: Chris Stillman, Kaios Ryan, Adam Hart **Date:** 03/03/2014

Contractor: Cashman **Foreman/Supt:** Steve Baynes, Junior Huggins

Weather	AM:	<u>Light snow</u>	Temperature	AM:	<u>9</u>
	PM:	<u>Overcast</u>		PM:	<u>24</u>
Tides	High	<u>0913</u>	AM	<u>2137</u>	PM
	Low	<u>0230</u>	AM	<u>1442</u>	PM

Manpower Onsite

Operators 1 @ 10 Hrs
Engineer 1 @ 10 Hrs
Mate 1 @ 10 Hrs
Deckhand 1 @ 10 Hrs
Captains 2 @ 10 Hrs

Other: _____ @ _____ Hrs

Equipment Onsite

Description:	<u>Bobby D.</u>	Hrs.	<u>10</u>
	<u>Eddie Carroll</u>	Hrs.	<u>10</u>
	<u>Elsea</u>	Hrs.	<u>4</u>
	<u>Lucinda Smith</u>	Hrs.	<u>4</u>
	<u>Red Skiff</u>	Hrs.	<u>10</u>
	_____	Hrs.	_____

Contractor Activities: (Attach Additional Sheets as Necessary)

Crew: Operator- Tom Marx, Mate- David Sampson, Engineer- Dwight McCreary, and skiff and deck hand. 0536- No Activity onsite. 0626- Bobby D Idle at LHCC. Tug Lucinda Smith, and Elsea Moving the Eddie Carrol toward the Bobby D. Silt Curtain open. 0655 Lucinda Smith leaves LHCC and ties up to the Richie Barber. 0701 the red skiff closes the curtain to the dredge area. 0741 the Bobby D. begins dredging into the Eddie Carroll. 0915 the bobby D. is still dredging into the Eddie Carroll. 1243 Bobby D. stops dredging and moves 20' to the west. 1328 Bobby D. resumes dredging into the Eddie Carroll. 1500 the Bobby D. stops dredging to spin the Eddie Carroll 180°. 1525 Red skiff opens silt curtain so the scow Eddie Carrol can be flipped around. 1554 Tug Lucinda Smith and Tug Elsea flip the Eddie Carrol around. 1610 Scow Eddie Carroll is tied to the Dredge Plant Bobby D. 1618 Tug Lucinda Smith unties from the Eddie Carroll and leaves the silt curtain. 1624 Red skiff closes the silt curtain. 1630 Dredge plant Bobby D. resumes dredging into the scow Eddie Carroll. 1702 Dredge plant Bobby D. lifts spuds and relocates to Sta. 4+31 Cut lane 6. 1730 Dredge Plant Bobby D. stops dredging, scow Eddie Carroll is not filled and will remain in port for further dredging on 3/4/14. 1737 Bobby D. crew is performing maintenance on the excavator. 1835 Red skiff brings all crew in, all equipment is inactive.

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: Kaios Ryan **Date:** 03/04/2014

Contractor: Cashman **Foreman/Supt:** Junior Huggins, Steve Baynes

Weather	AM:	<u>Clear</u>	Temperature	AM:	<u>29</u>
	PM:	<u>Clear</u>		PM:	<u>19</u>

Tides	High	<u>1003</u>	AM	<u>2226</u>	PM
	Low	<u>313</u>	AM	<u>1517</u>	PM

Manpower Onsite

Engineer 1 @ 10 Hrs
 Operators 1 @ 10 Hrs
 Mate 1 @ 10 Hrs
 Deckhand 1 @ 10 Hrs
 Captains 2 @ 10 Hrs

Other: _____ @ _____ Hrs

Equipment Onsite

Description: Bobby D. Hrs. 5
Eddie Carroll Hrs. 10
Ellsea Hrs. 10
Red Skiff Hrs. _____
Lucinda Smith Hrs. 2
 _____ Hrs. _____

Contractor Activities: (Attach Additional Sheets as Necessary)

0608 No activity on site; the Bobby D. and Eddie Carroll are inside dredge area. 0742 The Bobby D. is not dredging at this time, Ellsea is tied up to the Bobby D. 0836 The silt curtain to dredge area is closed. 0838 Bobby D. begins dredging into the Eddie Carroll (same scow as yesterday) drafting at: stern 7.5' bow at 6'. 0923 Bobby D. stops dredging and moves to new location. 0953 Bobby D. resumes dredging into the Eddie Carroll in cut 10. 1117 Bobby D. stops dredging and moves to new location. 1134 Bobby D. resumes dredging into the Eddie Carroll in cut 5. 1158 The Bobby D. stops dredging and Ellsea moves the Bobby D. and Eddie Carroll to new area. 1211 The Bobby D. resumes dredging into the Eddie Carroll in cut 10. 1218 Bobby D. stops dredging and Ellsea repositions the Bobby D. and the Eddie Carroll. 1222 Ellsea has run the Eddie Carroll aground due to low tide and their position. 1224 - 1445 The Ellsea and Lucinda Smith tried to pull the Eddie Carroll away from the low spot where they had run aground; they were unsuccessful on freeing the Eddie Carroll. 1425 A part of the silt curtain came apart on the northeast side and pieces of foam had come out. 1535 Crew in red skiff recovered pieces of foam. 1545 Junior Huggins reported they will wait for the tide to come up which will free the Eddie Carroll. 1556 The Eddie Carroll is inspected and cleared for offshore disposal. 1731 No activity. No crew or tugs onsite.

Problems/Issues or Action Items:

Visitors: _____

Signature: *B. Ryan*
Title: Environmental Scientist

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Date: 03/04/2014
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File: DIR_LHCC_030414



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

on Report

Inspector: Kaios Ryan / Adam Hart **Date:** 03/05/2014

Contractor: Cashman **Foreman/Supt:** Steve Baynes, Junior Huggins

Weather AM: Cloudy **Temperature** AM: 33
 PM: Cloudy/Light Snow PM: 13

Tides High 1053 AM 2317 PM
 Low 0354 AM 1555 PM

Manpower Onsite

Engineer 1 @ 8.5 Hrs
 Operators 1 @ 8.5 Hrs
 Mate 1 @ 8.5 Hrs
 Deckhand 1 @ 8.5 Hrs
 Captains 2 @ 8.5 Hrs

Other: _____ @ _____ Hrs

Equipment Onsite

Description: Bobby D Hrs. 8.5
Eddie Carroll Hrs. 8.5
Elsea Hrs. 4
Lucinda Smith Hrs. 4
Red Skiff Hrs. 8.5
 _____ Hrs. _____

Contractor Activities: (Attach Additional Sheets as Necessary)

0615 Lucinda Smith brings the Eddie Carroll to the Bobby D. inside the dredge area. 0752 the Bobby D, Eddie Carroll, Elsea are inside the dredge area. 0756 the red skiff is closing the silt curtain. 0758 the silt curtain is repaired from yesterday. 0815 crew members are performing some minor repairs on the bucket. 0859 the Bobby D. begins dredging into the Eddie Carroll at cut 5; drafting at 3.5'. 0910 Bobby D. stops dredging; they are having issues with the bucket sensor. 0913 the Bobby D resumes dredging into the Eddie Carroll. 1051 the Bobby D. is still dredging into the Eddie Carroll, drafting at 4'. 1107 Bobby D. stops dredging. 1114 Elsea moves the Bobby D. and Eddie Carroll into new area. 1133 Bobby D. resumes dredging into the Eddie Carroll. 1138 Bobby D. stops dredging so bucket sensor could be tied on better. 1203 Bobby D. resumes dredging. 1335 Bobby D. stops dredging to get in to deeper water. 1338 Elsea moves the Bobby D. and Eddie Carroll into deeper water. 1402 Bobby D. resume dredging into the Eddie Carroll. 1623 Dredge plant Bobby D. stops dredging to reposition. 1625 Tug boat Elsea pushes on the Bobby D. 1629 Dredge plant Bobby D. resumes dredging. 1700 Dredge plant Bobby D. stops dredging and moves stern north so tug boat Lucinda Smith and grab the scow Eddie Carroll. 1707 The red skiff opens the silt curtain. 1708 Tug boat Lucinda Smith ties to the Eddie Carroll. 1717 Tug boats Lucinda Smith and Elsea pull the Eddie Carroll from the silt curtain to flip in 180 degrees. Dredging is done for the day, scow Eddie Carroll draft is 8'-5', dredging will continue on 3/6/14. 1750 Tug boats Lucinda Smith and Elsea bring the Eddie Carroll back into the silt curtain along side the dredge plant Bobby D. 1825 All crew on red skiff, no further activity.

Visitors: _____

Signature: 

Title: Environmental Technician

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File: DIR_LHCC_030514



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

Inspector: Kyle Miller/Brett Young **Date:** 03/06/2014

Contractor: Cashman **Foreman/Supt:** Steve Baynes, Junior Huggins

Weather	AM:	<u>Clear</u>	Temperature	AM:	<u>14</u>
	PM:	<u>Clear</u>		PM:	<u>28</u>
Tides	High	<u>1144</u>	AM	<u>PM</u>	
	Low	<u>0446</u>	AM	<u>1640</u> PM	

Manpower Onsite

Engineer 1 @ 9.5 Hrs
Operators 1 @ 9.5 Hrs
Mate 1 @ 9.5 Hrs
Deckhand 1 @ 9.5 Hrs
Captains 2 @ 9.5 Hrs
Other: _____ @ _____ Hrs

Equipment Onsite

Description:	<u>Bobby D</u>	Hrs. <u>9.5</u>
	<u>Eddie Carroll</u>	Hrs. <u>9.5</u>
	<u>Ellsea</u>	Hrs. <u>9</u>
	<u>Red Skiff</u>	Hrs. <u>9.5</u>
	<u>Survey 4</u>	Hrs. <u>1</u>
	_____	Hrs. _____

Contractor Activities: (Attach Additional Sheets as Necessary)

0521- No activity. The Bobby D, Eddie Carroll and Ellsea are all idle inside the closed silt curtain. 0650- Crew on the dredge plant. 0703- Red Skiff moving inside silt curtain. 0758- The Bobby D begins dredging into the Eddie Carroll. 0930- The Bobby D stops dredging. The Ellsea exits the site and Survey 4 enters. 1011- The Eddie Carroll is drafting: bow 8' stern 7'. 1020- Survey 4 exits the site. 1039- The Bobby D stops dredging to fix wires on the bucket. 1100- The Bobby D resumes dredging. 1301- The Bobby D stops dredging to check the water depth. 1325- The Bobby D resumes dredging into the Eddie Carroll. 1347- The Bobby D stops dredging because the Eddie Carroll is touching the silt curtain on the south side. 1402- The Bobby D resumes dredging. 1436- The Bobby D repositions. 1625- The Bobby D stops dredging to reposition the Eddie Carroll. 1640- The Bobby D resumes dredging into the Eddie Carroll. 1740- The Bobby D stops dredging. 1753- The crew departs, operations for the day are complete.

Visitors: _____

Signature: 
Title: Environmental Scientist
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Date: 03/06/2014
Page: 1 of 1
File: DIR_LHCC_030614



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

Inspector: Josh Ray **Date:** 03/07/2014

Contractor: Cashman **Foreman/Supt** Junior Huggins

Weather	AM:	<u>Clear</u>	Temperature	AM:	<u>12</u>
	PM:	<u>Clear</u>		PM:	<u>39</u>
Tides	High	<u>0:09</u>	AM	<u>12:36</u>	PM
	Low	<u>05:25</u>	AM	<u>17:24</u>	PM

Manpower Onsite

Engineer 1 @ 10.5 Hrs
Operators 1 @ 10.5 Hrs
Mate 1 @ 10.5 Hrs
Deckhand 2 @ 10.5 Hrs
Captains 1 @ 9.0 Hrs
Tug Op. 1 @ 8 Hrs
Survey 2 @ 2.5 Hrs
Mechanic 2 @ 1.75 & 5 Hrs

Equipment Onsite

Description: Bobby D Hrs. 7
Eddie Carroll Hrs. 7
Ellsea Hrs. 4.5
Red Skiff Hrs. 7
Survey 4 Hrs. 2.5

_____ Hrs. _____

Contractor Activities: (Attach Additional Sheets as Necessary)

0700 JER taxied by red skiff to Bobby D. with Josh (Hand) and Conrad (Hand). 0705 John operating Ellsea moving Bobby D. and Eddie Carroll north into Cut 10. 0720 JR (Captain) left with Conrad (Hand) on red skiff to pick up Kevin (Mechanic) for repairs to the Bobby D. 0720 Eddie Carroll drafts 3.5 feet stern and bow. 0740 JR (Captain) and Conrad (Hand) return with Kevin (Mechanic), and Tom (Operator) with Bobby D. took test bucket with Kevin (Mechanic) watching. 0755 Kevin (Mechanic) working on Bobby D. 0805 Bobby D. not dredging. 0815 Fuel barge fueling up equipment. 0855 Bobby D. test pressure, no other activity. 0900 Kevin (Survey) aboard Bobby D. working at cab, and John (Tug) left to pick up RA Moore (Mechanic). 0920 John (Tug) returns with RA Moore (Mechanic) to replace cylinder display panel for Eddie Carroll. 0956 Bobby D. put bucket on deck, not dredging. 1043 Bobby D. started dredging Cut 10 and Cut 5. 1118 Survey 4 offsite. 1125 John (Tug) takes red skiff with JR (Captain) and Kevin (Mechanic) to dock. 1150 John (Tug) back from dock.

Visitors: RA Moore engineer to fix Eddie Carroll cylinder display
Kevin (Mechanic) to fix Bobby D. pressures and release valve

Signature: 
Title: Environmental Scientist III

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Date: 03/07/2014

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File: DIR_LHCC_030714



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

Inspector: Josh Ray

Date: 03/07/2014

Contractor: Cashman Foreman/Supt Junior Huggins

Weather	AM:	<u>Clear</u>	Temperature	AM:	<u>12</u>
	PM:	<u>Clear</u>		PM:	<u>39</u>

Tides	High	<u>0:09</u>	AM	<u>12:36</u>	PM
	Low	<u>05:25</u>	AM	<u>17:24</u>	PM

Manpower Onsite

Engineer 1 @ 10.5 Hrs
Operators 1 @ 10.5 Hrs
Mate 1 @ 10.5 Hrs
Deckhand 2 @ 10.5 Hrs
Captains 1 @ 9.0 Hrs
Tug Op. 1 @ 8 Hrs
Survey 2 @ 2.5 Hrs
Mechanic 2 @ 1.75 & 5 Hrs

Equipment Onsite

Description:	<u>Bobby D</u>	Hrs. <u>7</u>
	<u>Eddie Carroll</u>	Hrs. <u>7</u>
	<u>Ellsea</u>	Hrs. <u>4.5</u>
	<u>Red Skiff</u>	Hrs. <u>7</u>
	<u>Survey 4</u>	Hrs. <u>2.5</u>
	<u> </u>	Hrs. <u> </u>
	<u> </u>	Hrs. <u> </u>
	<u> </u>	Hrs. <u> </u>

Contractor Activities: (Attach Additional Sheets as Necessary)

1217 John (Tug) Left to help Lucinda Smith crew at CAD Cell #3 staging area, relieved 3 crew from work. 1220 Bobby D. and Eddie Carroll made move north and Bobby D. resumed dredging from Cut 10. 1235 John (Tug) back from Lucinda Smith. 1250 John (Tug) left with red skiff to pick up JR (Captain) from dock. 1300 Tom (Operator) stopped dredging with the Bobby D. 1305 Bobby D made move to west, John (Tug) with JR (Captain) assisted. 1315 Bobby D. repositioned to south west, dredging Cuts 10 and 5. 1400 John (Tug) left with Ellsea to assist NBMCT. Bobby D. stopped dredging. 1405 Tom (Operator) resumed dredging with Bobby D. 1415 Conrad (Hand) returns from dock with Kevin (Mechanic). 1420 JR (Captain) assisting Bobby D with move to north east with red skiff. 1435 Bobby D. done with move, Kevin (Mechanic) working on repair. 1503 Repair complete. 1512 Tom (Operator) resumes dredging with Bobby D. in Cut 5. 1523 Conrad (Hand) takes Kevin (Mechanic) back to dock. 1549 Bobby D moves to Corner of Cut 10 adjacent Cut 6 and Cut 5.

Visitors: RA Moore engineer to fix Eddie Carroll cylinder display
Kevin (Mechanic) to fix Bobby D. pressures and release valve

Signature: *Josh Ray*
Title: Environmental Scientist III

Date: 03/07/2014

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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: Josh Ray **Date:** 03/07/2014

Contractor: Cashman **Foreman/Supt:** Junior Higgins

Weather AM: Clear **Temperature** AM: 12
PM: Clear PM: 39

Tides High 0:09 AM 12:36 PM
Low 05:25 AM 17:24 PM

Manpower Onsite

Engineer 1 @ 10.5 Hrs
Operators 1 @ 10.5 Hrs
Mate 1 @ 10.5 Hrs
Deckhand 2 @ 10.5 Hrs
Captains 1 @ 9.0 Hrs
Tug Op. 1 @ 8 Hrs
Survey 2 @ 2.5 Hrs
Mechanic 2 @ 1.75 & 5 Hrs

Equipment Onsite

Description: Bobby D Hrs. 7
Eddie Carroll Hrs. 7
Ellsea Hrs. 4.5
Red Skiff Hrs. 7
Survey 4 Hrs. 2.5
_____ Hrs. _____
_____ Hrs. _____
_____ Hrs. _____

Contractor Activities: (Attach Additional Sheets as Necessary)

1348 Tom (Operator) moves Bobby D. west to straddle Cuts 10, 5, and 6. 1608 Conrad (Hand) returned from dock with red skiff. 1625 John (Tug) back onsite with Ellsea. 1644 Bobby D. moving south straddling Cuts 10 and 5. 1728 Tom (Operator) moves Bobby D. with help from Conrad(Tug). 1734 Bobby D. bucket on deck done for day.

Visitors: RA Moore engineer to fix Eddie Carroll cylinder display
Kevin (Mechanic) to fix Bobby D. pressures and release valve

Signature: 
Title: Environmental Scientist III

Date: 03/07/2014
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: Kaios Ryan, Adam Hart

Date: 03/08/14

Contractor: Cashman

Foreman/Supt: Junior Huggins

Weather	AM:	<u>Clear</u>	Temperature	AM:	<u>27</u>
	PM:	<u>Clear</u>		PM:	<u>58</u>
Tides	High	<u>0107</u>	AM	<u>1331</u>	PM
	Low	<u>0701</u>	AM	<u>1826</u>	PM

Manpower Onsite

Engineer 1 @ 8 Hrs
 Operators 1 @ 8 Hrs
 Mate 1 @ 8 Hrs
 Deckhand 1 @ 8 Hrs
 Captains 1 @ 8 Hrs

Other: _____ @ _____ Hrs

Equipment Onsite

Description: Bobby D. Hrs. 8
Eddie Carroll Hrs. 8
Ellsea Hrs. 2
Lucinda Smith Hrs. 3
Red skiff Hrs. 8
 _____ Hrs. _____

Contractor Activities: (Attach Additional Sheets as Necessary)

0712 the Bobby D. begins dredging into the Eddie Carroll; they are using the same scow as yesterday. 0815 Bobby D. stops dredging and the Lucinda Smith enters dredge area to turn the Eddie Carroll 180°. 0946 the Lucinda Smith ties up the Eddie Carroll up to the port side of the Bobby D. 0955 the Bobby D. resumes dredging into the Eddie Carroll at station 5 + 10 cut 5. 1047 a tire was noticed being loaded into the Eddie Carroll. Apex notified Captain Huggins. 1049 tire was removed from the Eddie Carroll. 1149 Bobby D. still dredging into the Eddie Carroll. 1321 Bobby D. stops dredging and the Ellsea moves the Bobby D. 180° so the Eddie Carroll is on Bobby D's starboard side. 1405 Dredge plant Bobby D. is having mechanical issues with the port spud. 1445 The scow Eddie Carroll is inspected and cleared for disposal at the RI disposal site. 1448 Red skiff opens the silt curtain and the tug boat Lucinda Smith ties to the scow Eddie Carroll. 1505 Tug boat Lucinda Smith removes the Eddie Carroll from the silt curtain and heads south toward the bridge. 1520 Tug boat Lucinda Smith and the scow Eddie Carroll head south through the bridge. 1528 Tug Boat Lucinda Smith and scow Eddie Carroll leave the New Bedford Harbor for disposal off of RI.

Visitors: _____

Signature: 

Title: Environmental Technician

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Date: 03/08/2014

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File: DIR_LHCC_030814_KR

Attachment 2
Water Quality Monitoring Forms

PROJECT:	New Bedford Harbor Lower Harbor CAD Cell
JOB NUMBER:	6724
DATE:	3/5/2014
MONITORS:	Chris Stillman, Kyle Miller
WEATHER CONDITIONS:	High:34 Low:17
WIND:	2-3 N
PRIOR STORM EVENTS:	
DREDGE UPDATE:	
TYPE OF WATER QUALITY MONITORING EVENT:	TOP CAD Dredging / BTM CAD Dredging / Disposal
TIDE	High:1052/2319 Low: 0403/1508



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

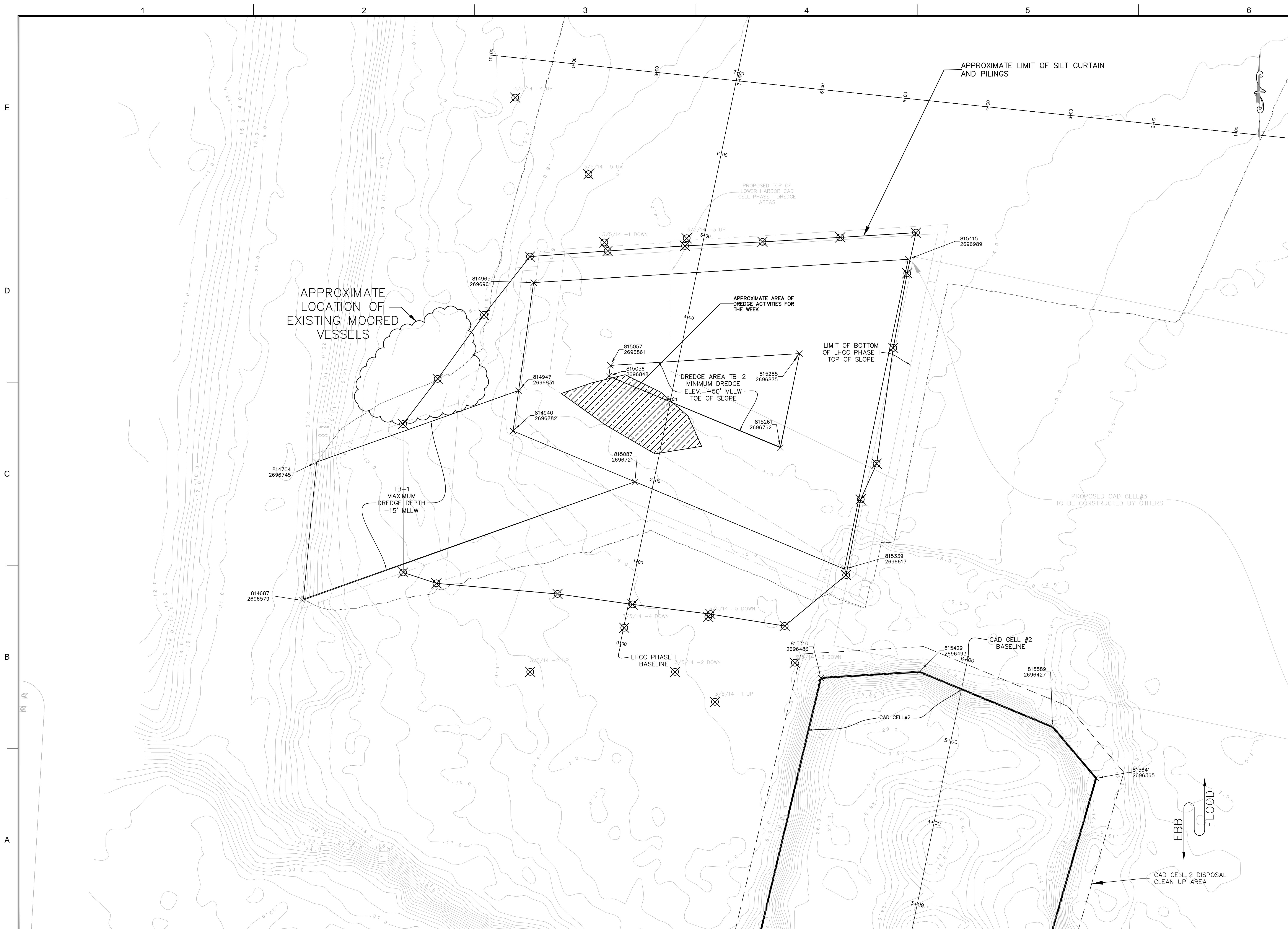
Monitoring ID #	NORTHING/ EASTING	TIME	TOTAL WATER DEPTH (ft)	SAMPLE DEPTH (ft)	TURBIDITY (NTUs)	GPS FILE NAME	TIDAL STAGE	TYPE OF WQM & DISTANCE FROM LOCATION	NUMBER OF HOURS DREDGING
030514-00-1-1	815183, 2696457	755	7.3	1	4.82		Flooding	200' S of Dredge	00
030514-00-1-3		757		3	5.93				
030514-00-1-6		759		6	4.23				
AVERAGE TURBIDITY:					4.99				
030514-02-1-1	814961, 2696493	1017	10	1	2.84		Flooding	200' N of Dredge	02
030514-02-1-4.5		1019		4.5	3.6				
030514-02-1-9		1021		9	4.5				
AVERAGE TURBIDITY:					3.65				
030514-04-1-1	815149, 2697014	1155	8.9	1	4.22		Ebbing	200' N of Dredge	04
030514-04-1-4		1157		4	4.15				
030514-04-1-8		1159		8	4.3				
AVERAGE TURBIDITY:					4.22				
030514-06-1-1	814943, 2697183	1349	7.3	1	4.3		Ebbing	200' N of Dredge	06
030514-06-1-3		1351		3	4.3				
030514-06-1-6		1353		6	4.49				
AVERAGE TURBIDITY:					4.36				
030514-08-1-1	815031, 2697091	1600	4	1	5.08		Ebbing	200' N of Dredge	08
030514-08-1-2		1602		2	4.71				
030514-08-1-3		1604		3	5.89				
AVERAGE TURBIDITY:					5.23				

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
030514-00-9-1	815050, 2697009	815	8.5	1	4.35		Flooding	200' N of Dredge	00
030514-00-9-4		817		4	6.17				
030514-00-9-7		819		7	4.52				
AVERAGE TURBIDITY:					5.01				
TURBIDITY INCREASE:					0.02				
030514-02-9-1	815135, 2696493	1005	9.2	1	4.3		Flooding	200' S of Dredge	02
030514-02-9-4		1007		4	4.68				
030514-02-9-8		1009		8	4.09				
AVERAGE TURBIDITY:					4.36				
TURBIDITY INCREASE:					0.71				
030514-04-9-1	815279, 2696504	1205	12.3	1	6.9		Ebbing	200' S of Dredge	04
030514-04-9-6		1207		6	6.8				
030514-04-9-11		1209		11	6.84				
AVERAGE TURBIDITY:					6.85				
TURBIDITY INCREASE:					2.62				
030514-06-9-1	815074, 2696546	1359	7	1	7.3		Ebbing	200' S of Dredge	06
030514-06-9-3		1401		3	9.3				
030514-06-9-6		1403		6	10.1				
AVERAGE TURBIDITY:					8.90				
TURBIDITY INCREASE:					4.54				
030514-08-9-1	815175, 2696559	1610	5	1	9.6		Ebbing	200' S of Dredge	08
030514-08-9-2		1612		2	9.08				
030514-08-9-4		1614		4	8.83				
AVERAGE TURBIDITY:					9.17				
TURBIDITY INCREASE:					3.94				

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

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

GRAPHIC SCALE
SCALE: 1"=50'
0 25 50 100

SHEET TITLE

BOTTOM OF LOWER HARBOR CAD CELL PHASE 1 WATER QUALITY 3/2/14-3/8/14

DRAWING NO.

WQM-1

6 OF 15