



Community Advisory Group Meeting
Fort Edward Fire House
June 30, 2011

Introduction



HOME

EPA PERFORMANCE STANDARDS
UPDATED

WATER QUALITY MONITORING
(RESUSPENSION)

PCB LOAD

AIR QUALITY MONITORING

ODOR MONITORING

NOISE MONITORING

LIGHTING MONITORING

NAVIGATION MONITORING

INTERACTIVE DATA MAPS

PROJECT ACTIVITIES

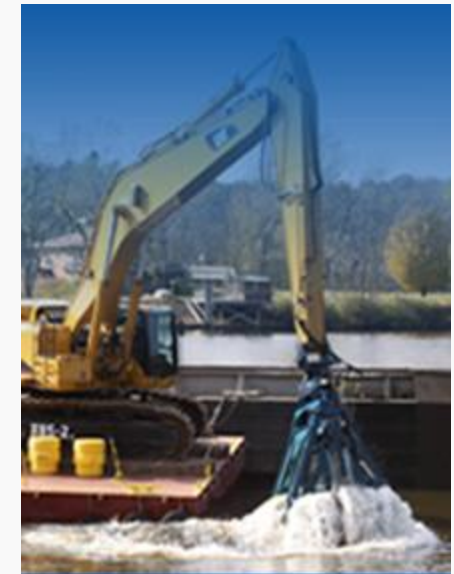
PRODUCTIVITY

RESIDUALS / CAPPING /
BACKFILLING

PHASE 1 EVALUATION

CONTACT / STAY INFORMED

- Interactive
- Phase 2 data
- Progress and results of Phase 2 dredging





Welcome to EPA's Hudson River Dredging Data Website

This site provides access to performance standard monitoring data that is being generated as part of Phase 2 dredging and sediment processing facility operations. For more information about the Hudson River PCBs Superfund Site go to: www.epa.gov/hudson.

Phase 2 dredging began June 6, 2011. Performance standard monitoring data will be collected daily.

NEW To view Phase 2 data, click on one of the categories on the left side of the screen, or go to the interactive data maps. The interactive data maps show, by location, project activities and monitoring data for both engineering performance standards of water quality (resuspension) and quality of life performance standards such as air quality, odor, noise, lighting, and navigation. [Click here](#) to view the interactive data maps.

Phase 1 dredging occurred between May 15 and October 26, 2009. Performance standard monitoring data was collected daily between May and December 2009. Phase 1 data can be accessed at the bottom of each monitoring page.

What's New

- **NEW** EPA Marks the Startup of the Final Phase of Hudson River PCB Dredging. [Read more](#)
- **NEW** Second Phase of Historic Hudson River Cleanup Underway. [Read more](#)
- **NEW** [Click here](#) to view the **Interactive Data Maps** which show, by location, project activities and monitoring data. The monitoring data is shown for both engineering performance standards (water quality/resuspension) and quality of life performance standards such as air quality, odor, noise, lighting, and navigation.

Quality of Life Monitoring

Calendar View



Air Quality Monitoring

Phase 2 dredging began June 6, 2011.

[Click here](#) to view air quality monitoring on the Quality of Life Monitoring Interactive Map. Phase 1 data is available by clicking on the link at the bottom of the page.

Calendar (Please click on data for more information)

Monitoring Date: (click in box to select a different date)

[View Most Recent Data](#)

June 2011							June 2011 >>					
Sunday	Su	Mo	Tu	We	Th	Fr	Sa	Wednesday	Thursday	Friday	Saturday	
				1	2	3	4	1	2	3	4	
	5	6	7	8	9	10	11					
	12	13	14	15	16	17	18					
	19	20	21	22	23	24	25					
5	26	27	28	29	30			8	9	10	11	
	Facility: Typical River			Facility: Typical River			Facility: Typical River		Facility: Typical River		Facility: Typical River	

Quality of Life Monitoring

Calendar View



« June 2011 »						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6 Processing Facility: Typical River Operations: Typical	7 Processing Facility: Typical River Operations: Typical	<div style="border: 1px solid #ccc; padding: 5px;"> <p>Details ×</p> <p>Air levels comply with the standard</p> </div>			11 Processing Facility: Typical River Operations: Typical
12 Processing Facility: Typical River Operations: Typical	13 Processing Facility: Typical River Operations: Typical	14 Processing Facility: Typical River Operations: Typical				18 Processing Facility: Typical River Operations: Typical
19 Processing Facility: Typical River Operations: Typical	20 Processing Facility: Typical River Operations: Typical	21 Processing Facility: Typical River Operations: Typical				25 Processing Facility: Typical River Operations: Typical
26	27	28				29

Quality of Life Monitoring

Interactive



River Location C

Main Channel South of Rogers Island

Start Date:

6/30/2011

[View Most Recent Data](#)

Air Odor Noise

Lighting Navigation

Air Quality Monitoring

6/25/2011: Typical

[Show Note](#)

6/24/2011: Typical

[Show Note](#)

6/23/2011: Typical

[Show Note](#)

6/22/2011: Typical

[Show Note](#)

6/15/2011: Typical

[Show Note](#)

River Location A

East Street Bridge at Lock 7

Start Date:

6/30/2011

[View Most Recent Data](#)

Air Odor Noise

Lighting Navigation

Air Quality Monitoring

6/25/2011: Typical

[Show Note](#)

6/24/2011: Typical

[Show Note](#)

6/23/2011: Typical

[Show Note](#)

6/22/2011: Typical

[Show Note](#)

6/21/2011: Typical

[Show Note](#)

Quality of Life Monitoring Map



Quality of Life Monitoring

Interactive



River Location C

Main Channel South of Rogers Island

Start Date:

6/30/2011

[View Most Recent Data](#)

- Air
- Odor
- Noise
- Lighting
- Navigation

Air Quality Monitoring

6/25/2011: Typical

[Show Note](#)

6/24/2011: Typical

[Show Note](#)

6/23/2011: Typical

[Show Note](#)

6/22/2011: Typical

[Show Note](#)

6/15/2011: Typical

[Show Note](#)

River Location A

East Street Bridge at Lock 7

Start Date:

6/30/2011

[View Most Recent Data](#)

- Air
- Odor
- Noise
- Lighting
- Navigation

Odor Monitoring

6/25/2011: Typical

[Show Note](#)

6/24/2011: Typical

[Show Note](#)

6/23/2011: Typical

[Show Note](#)

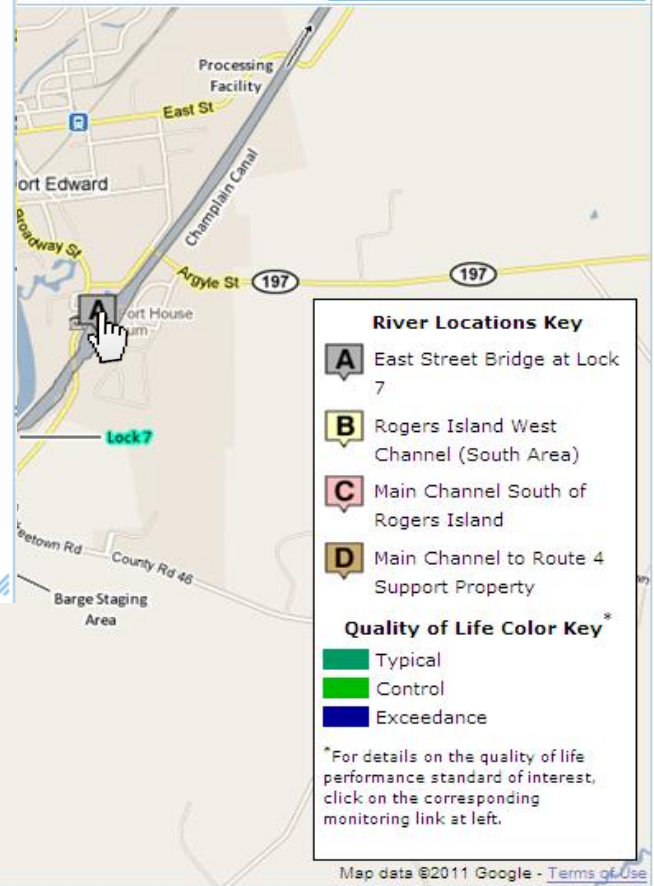
6/22/2011: Typical

[Show Note](#)

6/21/2011: Typical

[Show Note](#)

Quality of Life Monitoring Map



Water Monitoring

Calendar View



Far-Field Water Quality Monitoring (Resuspension)

Phase 2 dredging began June 6, 2011. The locations of the water monitors can be viewed on the Far-Field Water Monitoring Locations map at left. [Click here](#) to view water quality data on the Water Quality Interactive Data Map. Phase 1 data is available by clicking on the link at the bottom of the page.

Weekly Calendar (Please click on data for more information)

Week of Monitoring: (click on date for different week) [View Most Recent Data](#)

	Rogers Island	Thon Isl	Schuylerville (Lock 5) (additional results)	Stillwater	Waterford	Albany	Poughkeepsie
Jun 26	-		-	-	-	-	-

Jun 2011

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Water Monitoring

Calendar View



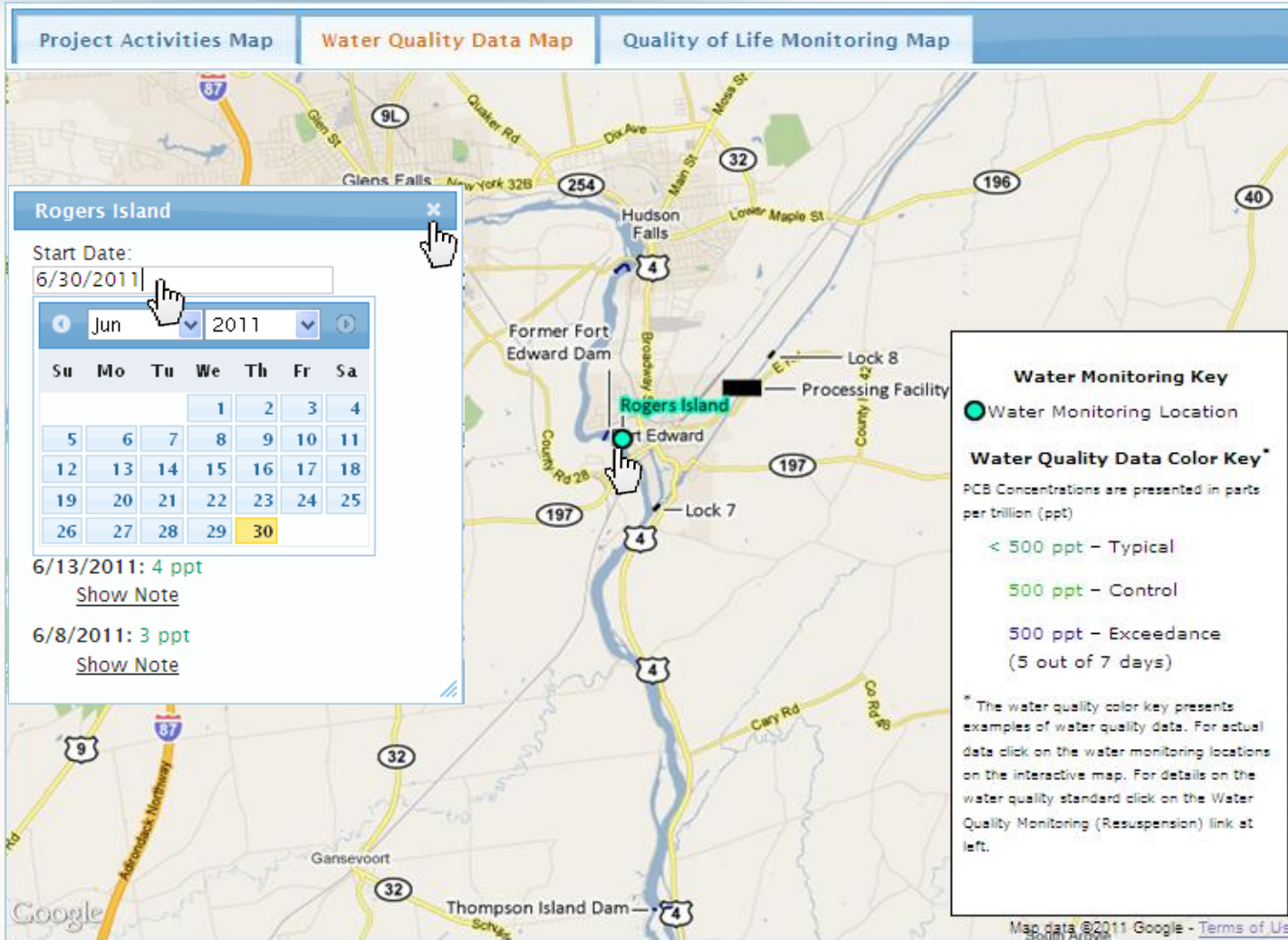
	Rogers Island	Thompson Island	Thompson Island (additional results)	Schuylerville (Lock 5)	Schuylerville (Lock 5) (additional results)	Stillwater	Waterford	Albany	Poughkeepsie
Jun 12	-	80	-	87	-	-	68	-	-
Jun 13	4	250	-	162	-	-	99	-	-
Jun 14	-	181	-	178	-	-	69	76	37
Jun 15	4	202	-	242	-	116	84	-	-
Jun 16	-	129	-	104	-	-	88	-	-
Jun 17	-	179	-	126	-	-	89	-	-
Jun 18	-	162	-	151	-	-	60	-	-

Details
✕

(24 hr Composite Sample) Typical Operations

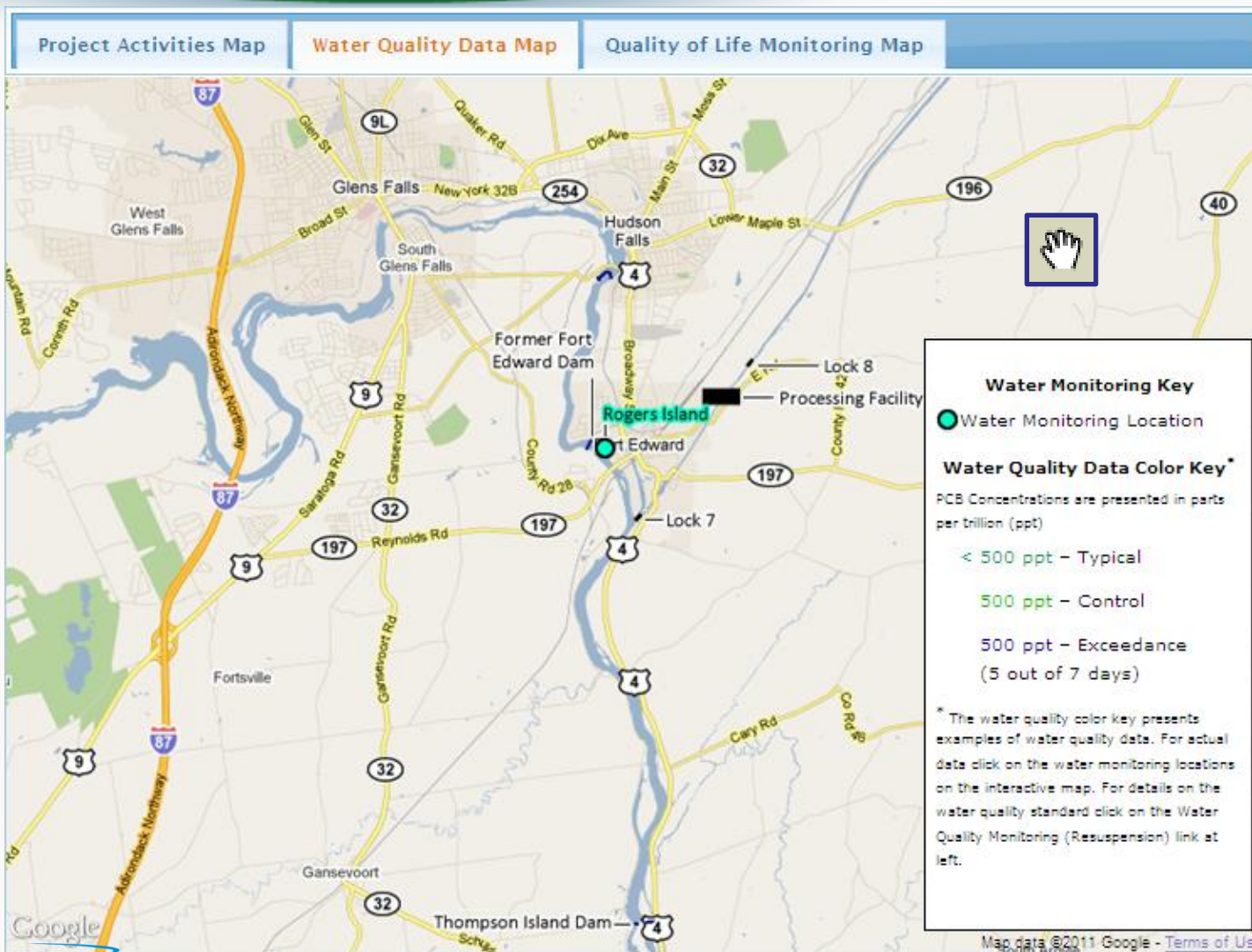
Water Monitoring

Interactive Map View



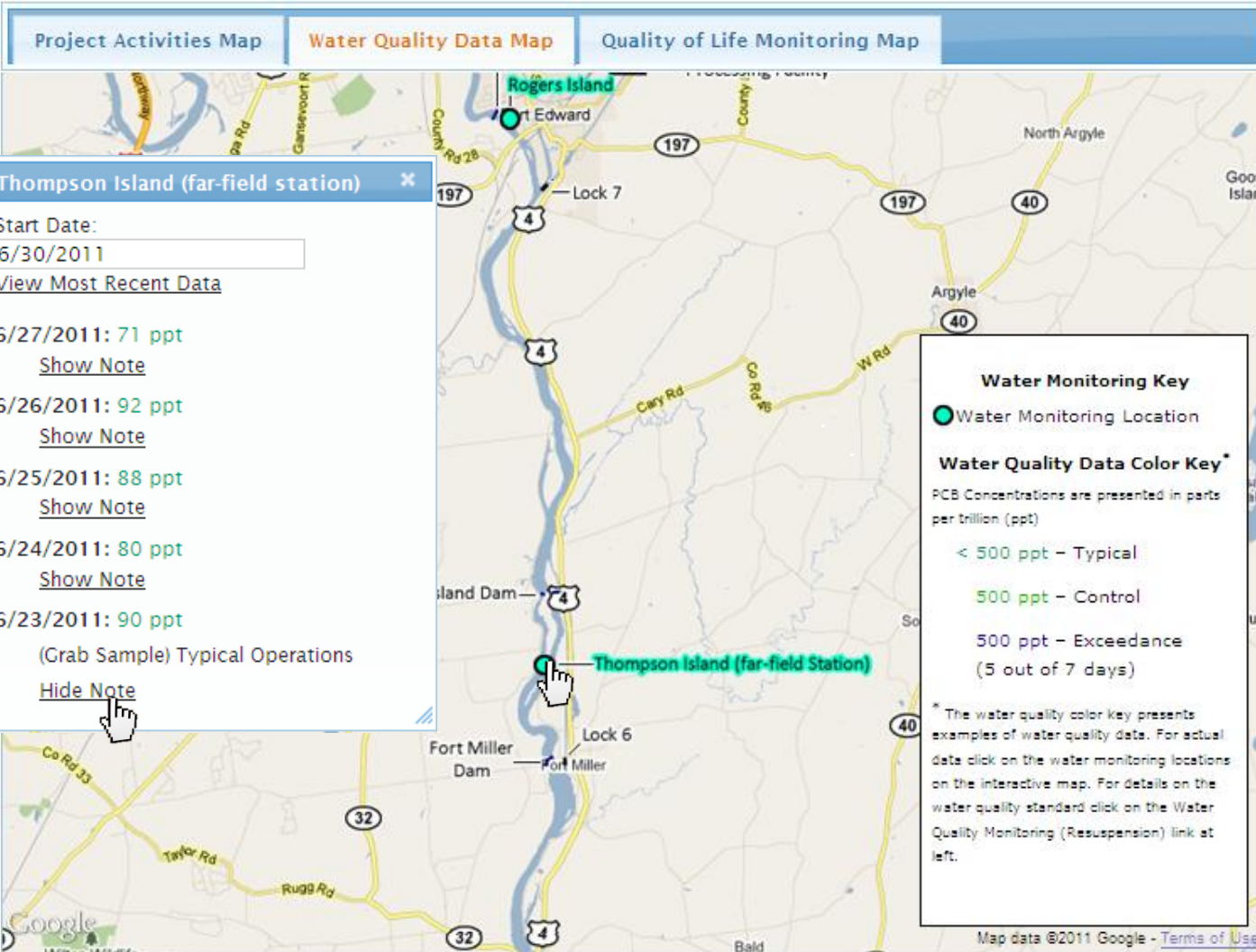
Water Monitoring

Interactive Map View



Water Monitoring

Interactive Map View



Water Monitoring

Phase 1 Data



Week of Monitoring: (click on date for different week) [Return to Phase 2 Monitoring](#)

	Rogers Island	Thompson Island	Thompson Island (additional results)	Schuylerville (Lock 5)	Schuylerville (Lock 5) (additional results)	Stillwater	Waterford	Albany	Poughkeepsie
Apr 24	-	-	-	-	-	-	-	-	-
Apr 25	-	31	-	18	-	-	12	-	-
Apr 26	-	-	-	-	-	-	-	-	-
Apr 27	-	-	-	-	-	-	-	-	-
Apr 28	-	-	-	-	-	-	-	-	-
Apr 29	-	-	-	-	-	-	-	-	-

PCB Load



PCB mass loads are monitored during the dredging process so that PCB sediments traveling downstream do not exceed pre-established load limits. Load limits were established primarily to limit the mass being transported into the Lower Hudson, beyond the furthest downstream sampling station (located at Waterford) and are defined in the [Resuspension Standard](#).

The Phase 2 cumulative net load criteria of the Tri + PCB mass removed during the dredging season is 2 percent at the first far-field water monitoring station (located at the Thompson Island Dam Station) and 1 percent as monitored at the Waterford Station. Tri + is the common term that refers to the heavier fraction of PCBs. If river flows are elevated, the load criteria will adjust to 3 percent at the Thompson Island Dam Station and 2 percent at the Waterford Station. The Phase 2 load criteria were adjusted to take into account upstream river flows based on Peer Review Panel recommendations as well as knowledge gained during Phase 1.

The following table (Table 1) indicates whether the PCB mass load is in compliance with the load criteria. Table 1 will be updated regularly and the status shown applies to the "date of last data collected" as presented in the table.

Table 1	
Thompson Island Dam Far-Field Station	Under review due to elevated baseline concentrations.
Waterford Far-Field Station	In-Compliance
Date of Last Data Collected: June 28, 2011	

If the PCB load targets are exceeded for multiple consecutive days at any of the stations (non-compliant), evaluations must be performed and actions taken to try to reduce the mass being transported downstream. The standards, particularly the load at the Waterford Station, will be re-evaluated and may need to be adjusted and updated as dredging operations move downstream.

[Click here to view Phase 1 Monitoring](#)

Residuals/Capping/Backfilling



Residuals / Capping / Backfilling

Goal of the Standard

The residual standard is designed to detect and manage small amounts of contaminated sediments that may remain on the river bottom after dredging.

How the Standard Works

- Identification of "Certification Units" of approximately 5 acres in size (see Phase 2 Certification Units Map to Thompson Island Dam, at left).
- Collection of sediment cores from within a Certification Unit after dredging and analysis of sediment for PCB concentrations.

Possible Actions

- Lower concentrations might call for backfilling, where appropriate.
- Higher concentrations would call for actions such as redredging or constructing a cap.

Table 1

Certification units in which capping decision has been made	None
Counted Areas to be capped	0 %
Counted Areas with "Inventory" to be capped	0 %
Last Updated: June 29, 2011	

The nodal capping index is used as the metric for determining compliance with the capping criteria of the residuals standard as stated above. This index provides more details than Table 1. [Click here](#) for a summary of the nodal capping index and more detail on capping limits for Phase 2 Year 1.

Project Activities

Calendar View



Status as of: 6/29/2011

[View Most Recent Data](#)

Location	June 2011						
Certification	Su	Mo	Tu	We	Th	Fr	Sa
Certification				1	2	3	4
Certification	5	6	7	8	9	10	11
Certification	12	13	14	15	16	17	18
Certification	19	20	21	22	23	24	25
Certification	26	27	28	29	30		
Certification Unit 6	No Activity						
Certification Unit 7	No Activity						
Certification Unit 8	No Activity						
Certification Unit 9	Dredging						
Certification Unit 10	Dredging						
Certification Unit 11	Dredging						
Certification Unit 12	No Activity						
Certification Unit 13	No Activity						
Certification Unit 14	No Activity						
Certification Unit 15	No Activity						
Certification Unit 16	No Activity						
Certification Unit 17	No Activity						
Certification Unit 18	No Activity						
Certification Unit 19	Work Underway						
Certification Unit 20	No Activity						
Certification Unit 21	No Activity						
Certification Unit 22	No Activity						



Project Activities

Calendar View



Status as of: 06/14/2011

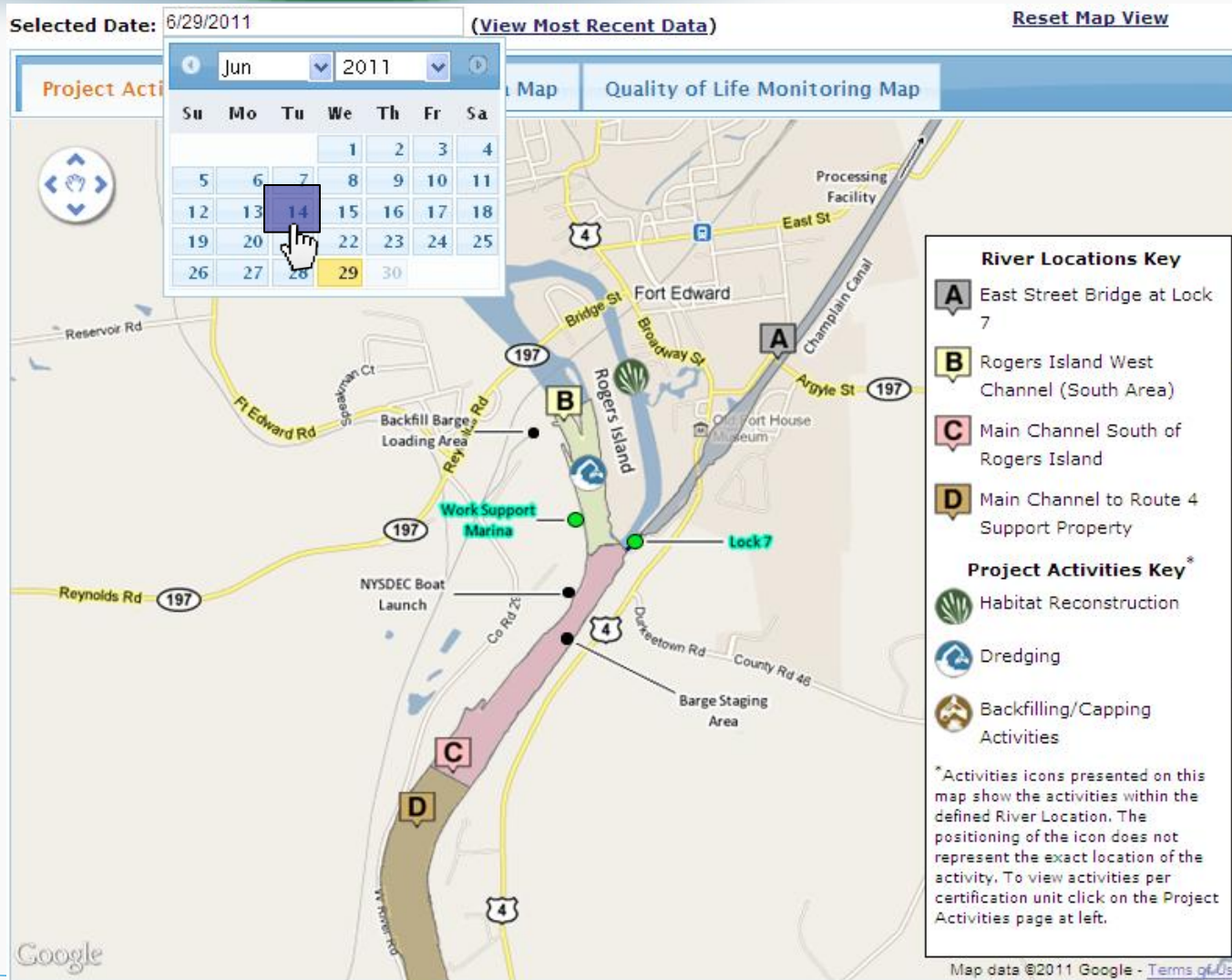
[View Most Recent Data](#)

Location	Status / Activity
Certification Unit 1	No Activity
Certification Unit 2	No Activity
Certification Unit 3	Habitat Reconstruction
Certification Unit 4	No Activity
Certification Unit 5	No Activity
Certification Unit 6	No Activity
Certification Unit 7	No Activity
Certification Unit 8	No Activity
Certification Unit 9	Dredging
Certification Unit 10	Dredging
Certification Unit 11	No Activity
Certification Unit 12	No Activity
Certification Unit 13	No Activity
Certification Unit 14	No Activity
Certification Unit 15	No Activity
Certification Unit 16	No Activity
Certification Unit 17	No Activity
Certification Unit 18	No Activity
Certification Unit 19	Dredging
Certification Unit 20	No Activity

Location	Status / Activity
Certification Unit 21	No Activity
Certification Unit 22	No Activity
Certification Unit 23	No Activity
Certification Unit 24	No Activity
Certification Unit 25	No Activity
Certification Unit 26	No Activity
Certification Unit 27	No Activity
Certification Unit 28	No Activity
Certification Unit 29	No Activity
Certification Unit 30	No Activity
Processing Facility	Processing Activities
General River Operations	Other River Activities

Project Activities

Interactive Map View



Project Activities

Interactive Map View



Selected Date: 06/14/2011

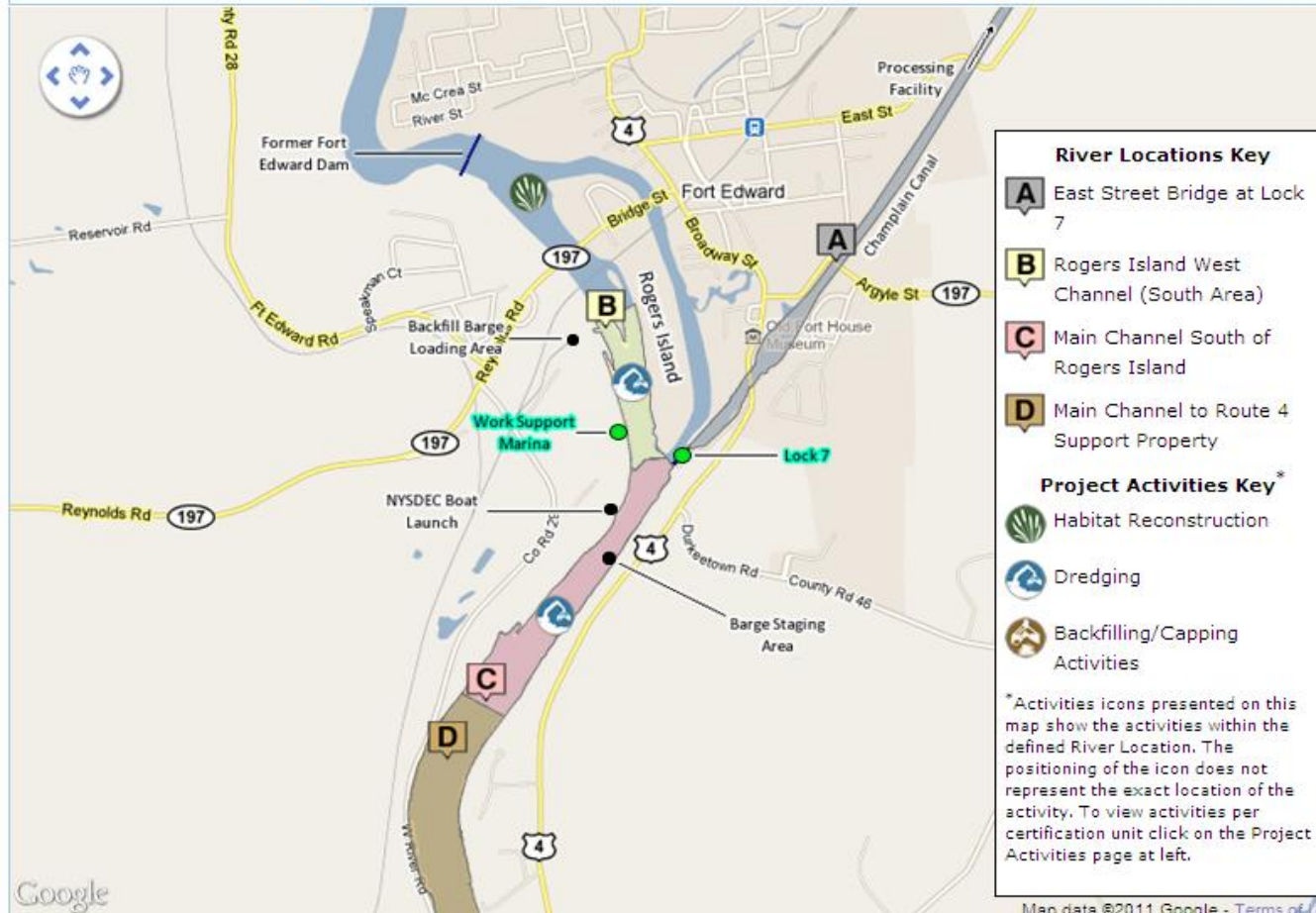
[\(View Most Recent Data\)](#)

[Reset Map View](#)

Project Activities Map

Water Quality Data Map

Quality of Life Monitoring Map





www.hudsondredgingdata.com

- Project activities updated daily
- Monitoring data updated as it is received
- Productivity and residuals/capping/backfilling updated regularly (generally weekly)
- Keep public up to date with progress and information on Phase 2 dredging

Any Questions?



www.hudsondredgingdata.com

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