Department of the Army
New York District Corps of Engineers
Jacob K. Javits Federal Building
26 Federal Plaza
New York, NY 10278-0090

Week of April 28 – May 4, 2014

The following pages display the results from the USACE-NYD real-time website for the week of Monday, April 28, through Sunday, May 4, 2014.

There were no blasts this week.

We recorded ambient vibrations in the S-AK-3 project area. The maximum vibration recorded was 0.0281 in/s recorded at Elizabethport on April 30.

Page 2 summarizes dredge locations for this week. The map shows the week's last dredge locations by colored symbols, connected by colored lines to the week's previous locations marked by gray symbols. Drillboat Apache was not operated all week.

The remaining odd pages display the home page showing the maximum vibration measured in all of the stations for most recent event for each day:

April 28
April 29
April 30
May 1
May 2
May 3
May 4

The even pages show the maximum vibration observed at each station along easting for each event.

The results for this week show the measurements at the two active stations: New York Container Terminal (NYCT) and Elizabethport. The station locations are on each page.

Ground vibrations at NYCT were all below 0.0075 in/s. Vibrations at Elizabethport were all below 0.0281 in/s. All blast vibration measurements are below the contract vibration limits for this site.

US Army Corps of Engineers®
New York District

Dredge Position Summary

This page summarizes dredge positions for the week. The Arthur Kill contract area is mapped with a top-of-rock map. The navigation grid is superimposed. The map shows dredge locations by colored symbols, connected by colored lines to the week's past locations marked by gray symbols. The map resets beginning the Monday of each week.

Mousing over a dredge location produces a pop-up text box giving dredge name, date of location, and easting and northing coordinates of the location in the NAD83 New Jersey State Plane coordinate system.

Click on a station for station information.

Todays Dredge Position

Latest Week's
Dredge Position Summary

Project
History List

The table below lists the date, name, easting, northing, and notes for the week's dredge positions. The position is the last reported dredge position of the day.

Dredge Location Table

Date	Dredge Name	Easting	Northing	Notes
2014-05-04 Sun	Drillboat Apache	588969	657843	
2014-05-03 Sat	Drillboat Apache	588953	657810	
2014-05-02 Fri	Drillboat Apache	588975	657817	
2014-05-01 Thu	Drillboat Apache	588975	657810	
2014-04-30 Wed	Drillboat Apache	588911	657828	
2014-04-29 Tue	Drillboat Apache	588956	657817	
2014-04-28 Mon	Drillboat Apache	588955	657847	

US Army Corps of Engineers®
New York District

Arthur Kill Blast Vibration Summary

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This page represents the most recent observations.

The Arthur Kill contract area is mapped below in light gray. The navigation grid is superimposed. Today's dredge locations are marked by colored symbols, connected by colored lines to this week's past locations marked by gray symbols. The drilling and blasting barge is marked in red. The easting and northing map coordinates in the New Jersey State Plane coordinate system are in yellow. The locations of active seismograph stations are marked by yellow station symbols. (e4sciences stations are circles. CDB stations are triangles.) Selecting a station activates its station page.

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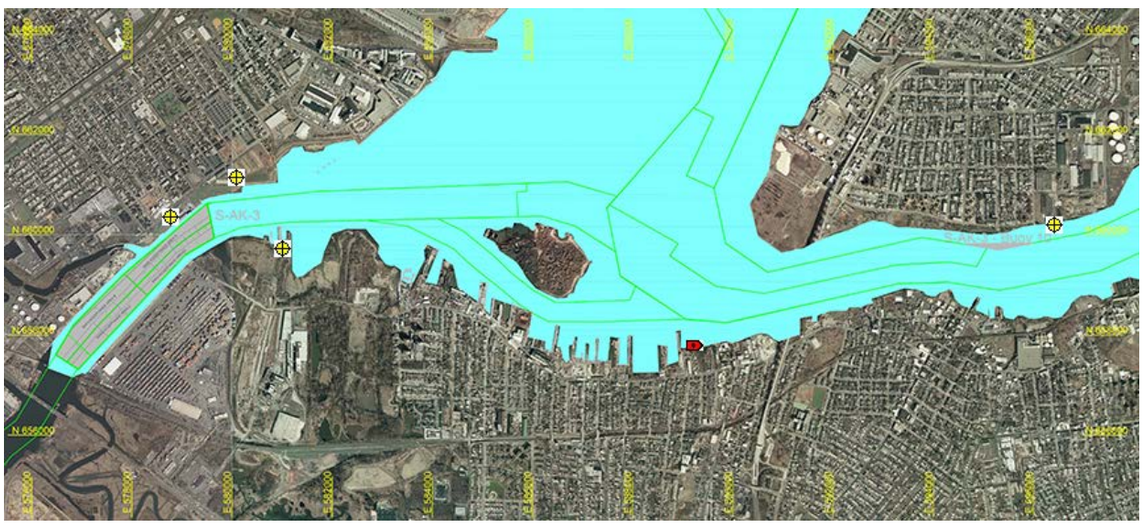
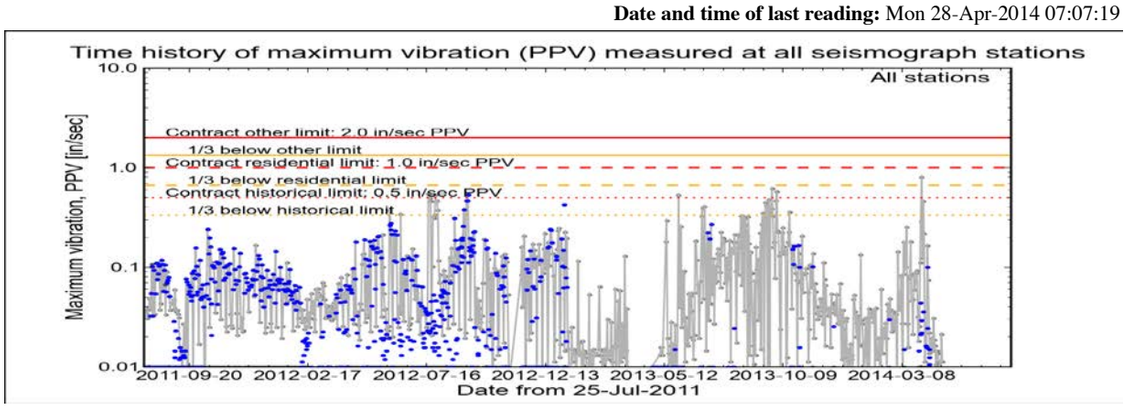


Latest Event Summary

The graph below is a plot of the maximum vibration recorded by any and all of the numerous seismograph stations during the current observation event (ambient or blast). The horizontal axis gives the date from the start of the project on 25 July 2011. The vertical axis gives the maximum vibration in peak particle velocity (PPV) in units of inches per second (in/sec). The red curves show the project's contract limits; the orange curves show one-third (1/3) below these contract limits. *(The light gray curve is ambient-vibration level. The blue dots are blast-vibration levels. The dark gray dots are predicted blast-vibration levels.)*

Date and time of last reading: Mon 28-Apr-2014 07:07:19



(Click on graph or here for larger view)

The table below lists the date, time, level, and station of the maximum-vibration recording for each and every event. Selecting an event activates its event page.

Blast ID	Date	Time	Max PPV (in / second)	Max PPV Station
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Ambient	Sun 27-Apr-2014	04:52:21	0.0212	Bayonne
Ambient	Sat 26-Apr-2014	17:51:45	0.0075	Bayonne
Ambient	Fri 25-Apr-2014	11:36:46	0.0081	Bayonne
Ambient	Thu 24-Apr-2014	19:36:44	0.0112	Bayonne
Ambient	Wed 23-Apr-2014	22:52:05	0.0137	Bayonne

US Army Corps of Engineers®
New York District

Arthur Kill Blasting Event Summary

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The Arthur Kill contract area is mapped below with a top-of-rock map. Today's dredge locations are marked by colored symbols, connected by colored lines to this week's past locations marked by gray symbols. The drilling and blasting barge location is marked in red. The easting and northing map coordinates in the New Jersey State Plane coordinate system are in yellow. The locations of active seismograph stations are marked by yellow station symbols. *(e4sciences stations are circles. CDB stations are triangles.)* Selecting a station activates its station page.

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The table below lists the date, time, and level of the maximum-vibration recording at each station for the selected event.

Station	Date	Time	Max PPV (in / second)	Vibration Type

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New York District

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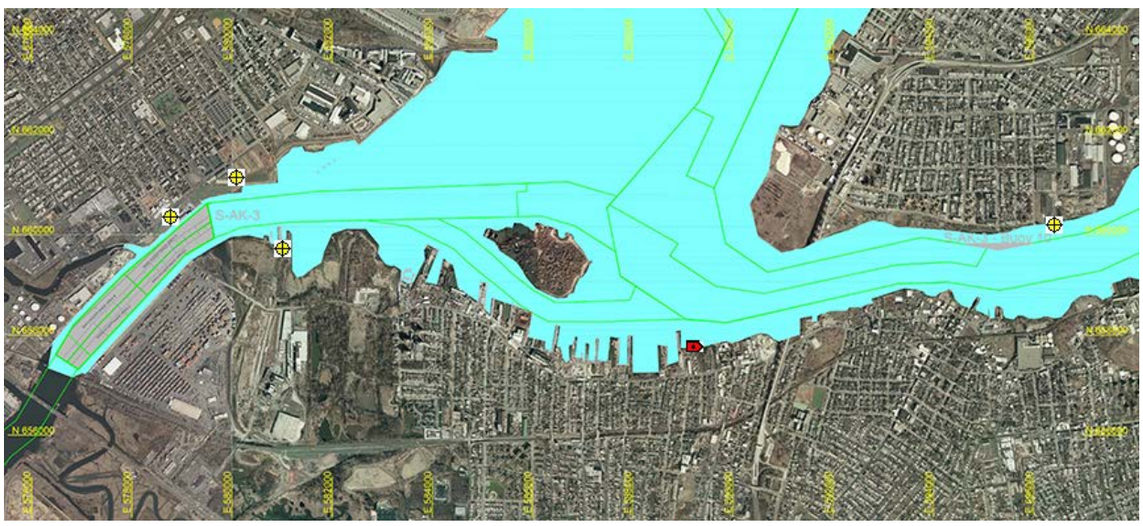

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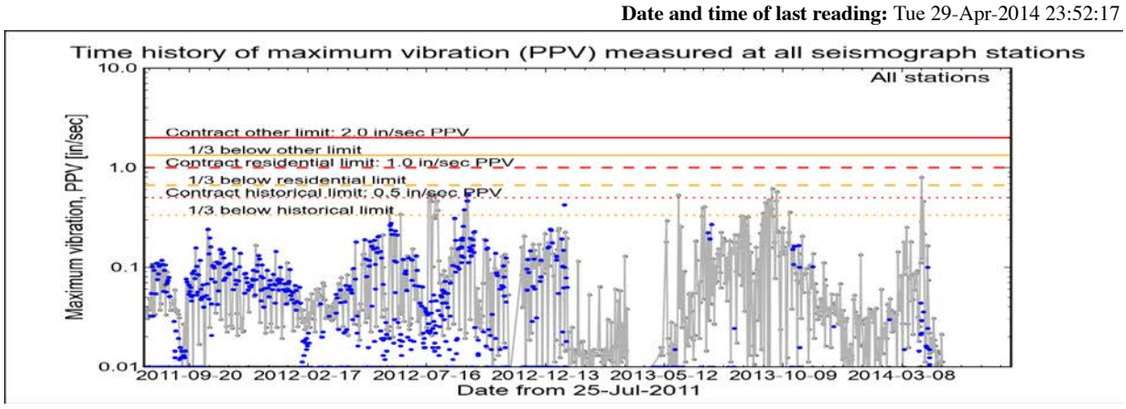

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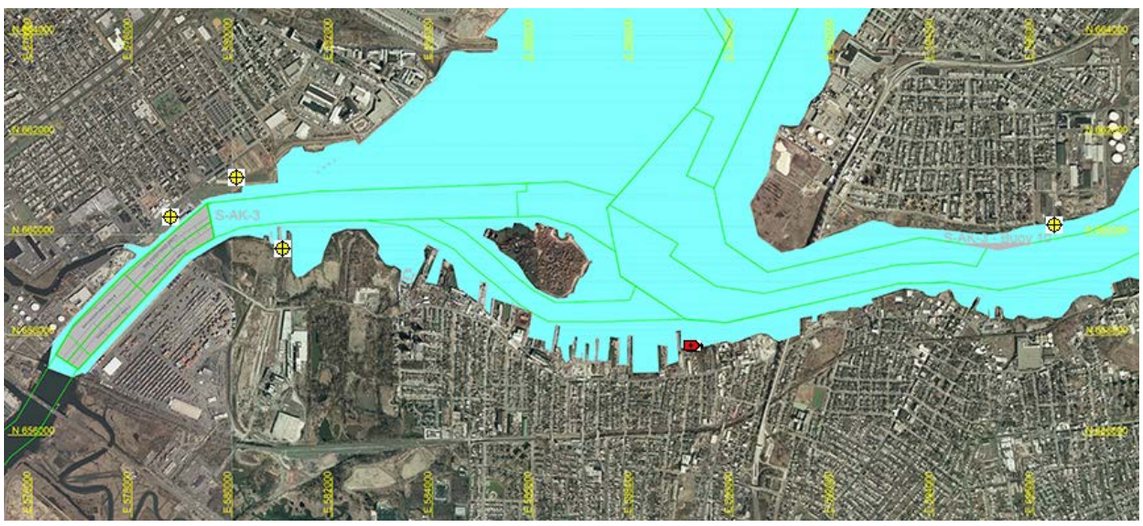

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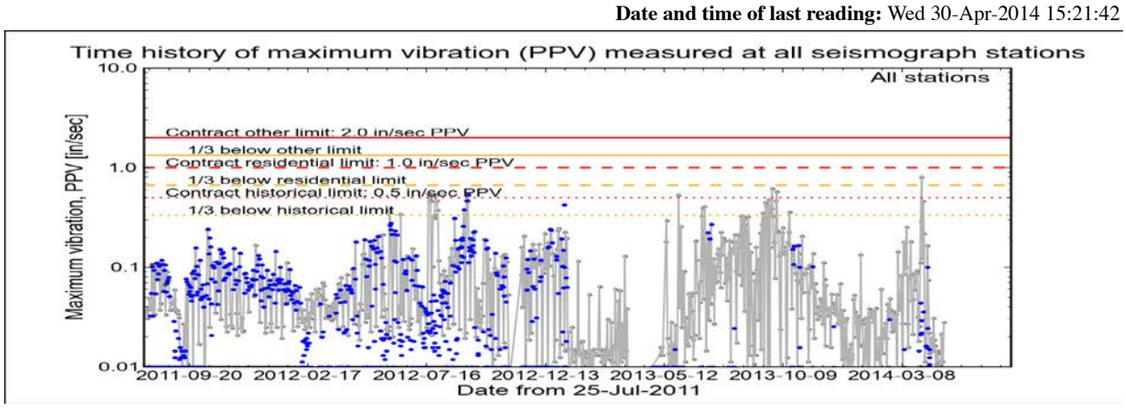
Date and time of last reading: Wed 30-Apr-2014 15:21:42



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Blast ID	Date	Time	Max PPV (in / second)	Max PPV Station
Ambient	Wed 30-Apr-2014	15:21:42	0.0281	Bayonne
Ambient	Tue 29-Apr-2014	23:52:17	0.0075	Bayonne
Ambient	Mon 28-Apr-2014	07:07:19	0.0112	Bayonne
Ambient	Sun 27-Apr-2014	04:52:21	0.0212	Bayonne
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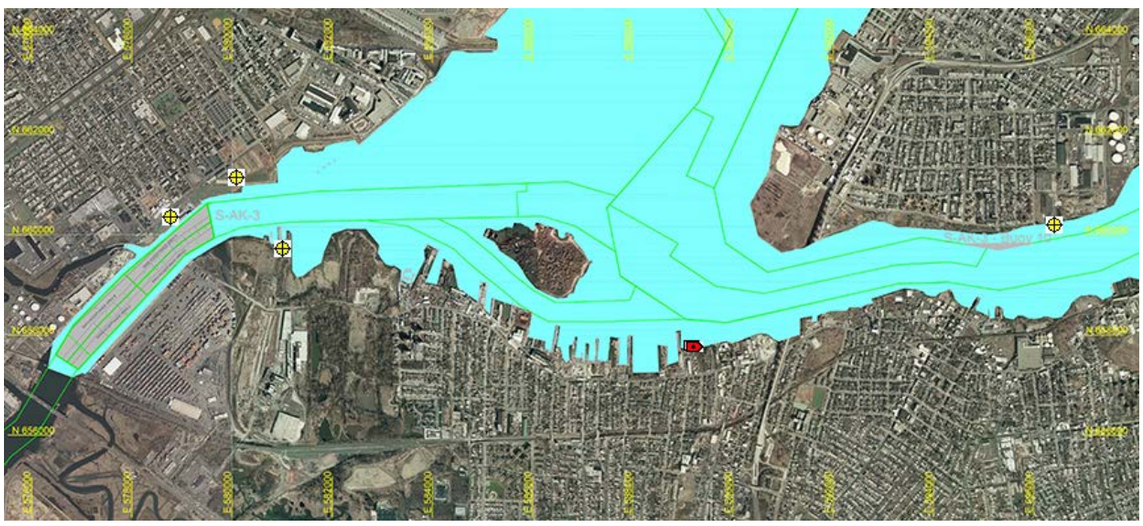

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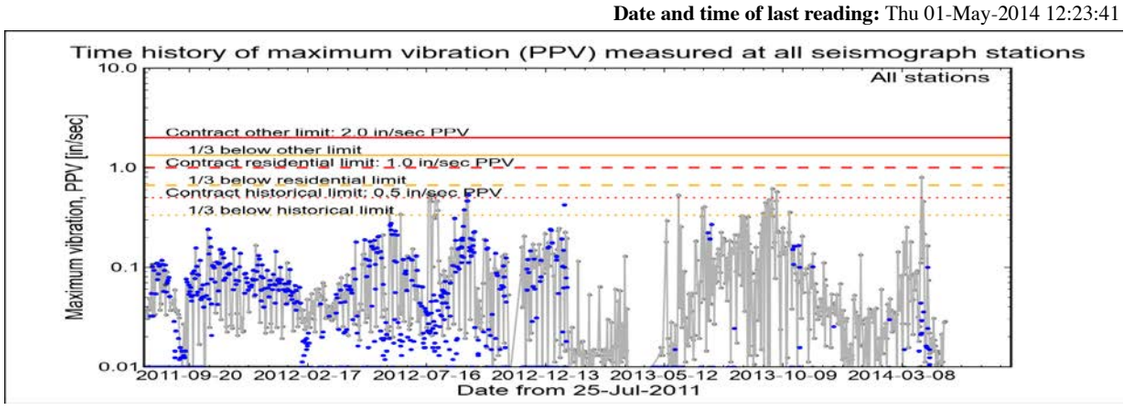
Date and time of last reading: Thu 01-May-2014 12:23:41



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Ambient	Tue 29-Apr-2014	23:52:17	0.0075	Bayonne
Ambient	Mon 28-Apr-2014	07:07:19	0.0112	Bayonne
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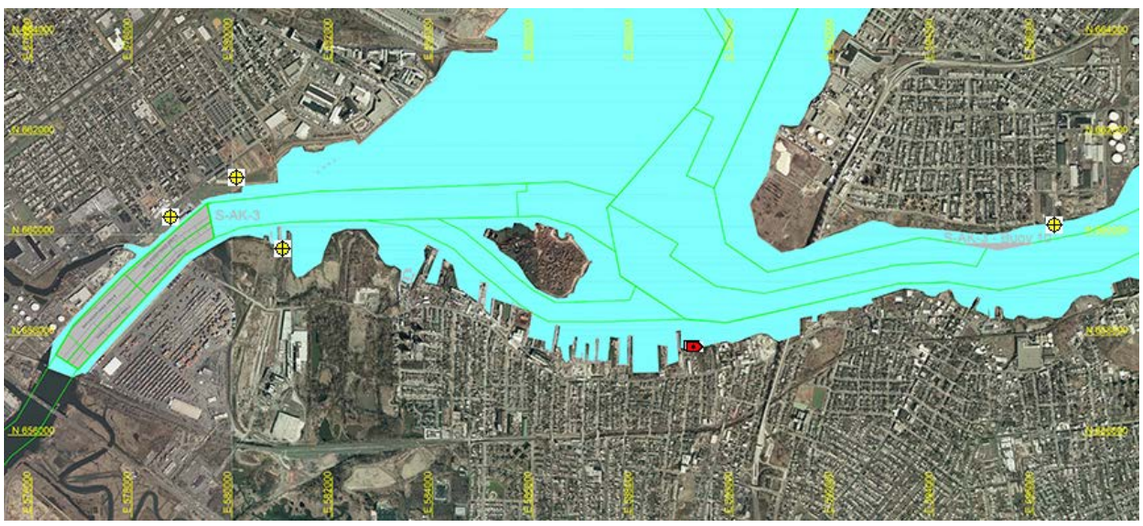

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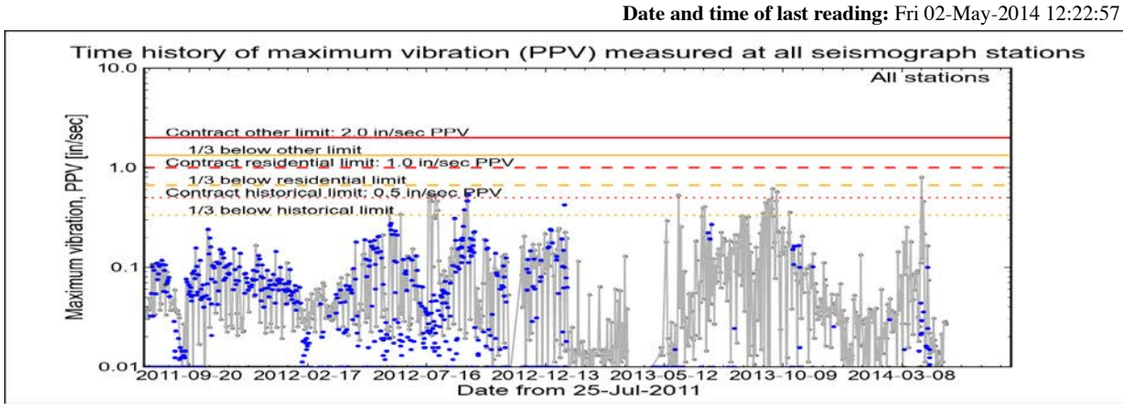
Date and time of last reading: Fri 02-May-2014 12:22:57



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Ambient	Wed 30-Apr-2014	15:21:42	0.0281	Bayonne
Ambient	Tue 29-Apr-2014	23:52:17	0.0075	Bayonne
Ambient	Mon 28-Apr-2014	07:07:19	0.0112	Bayonne
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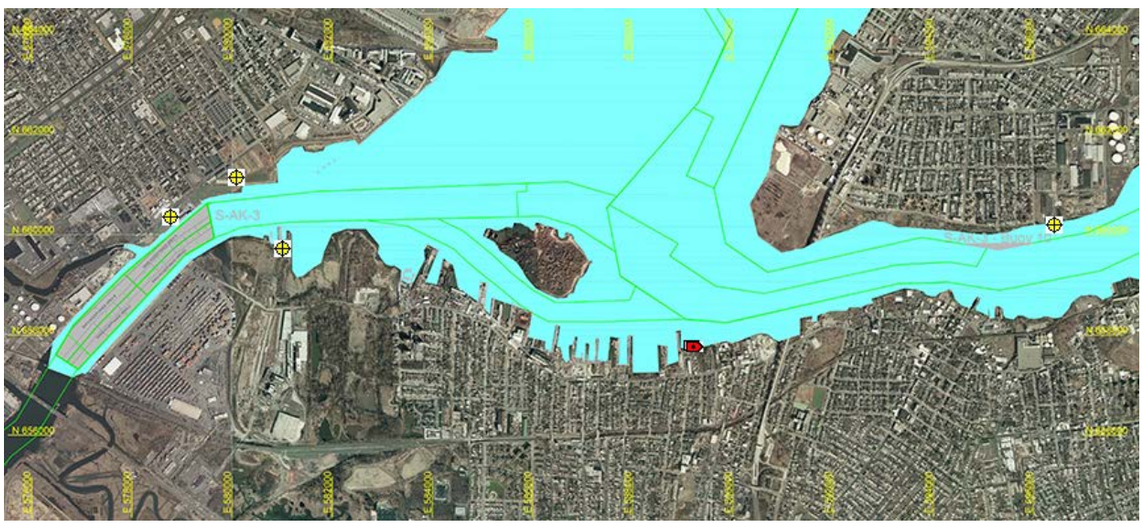

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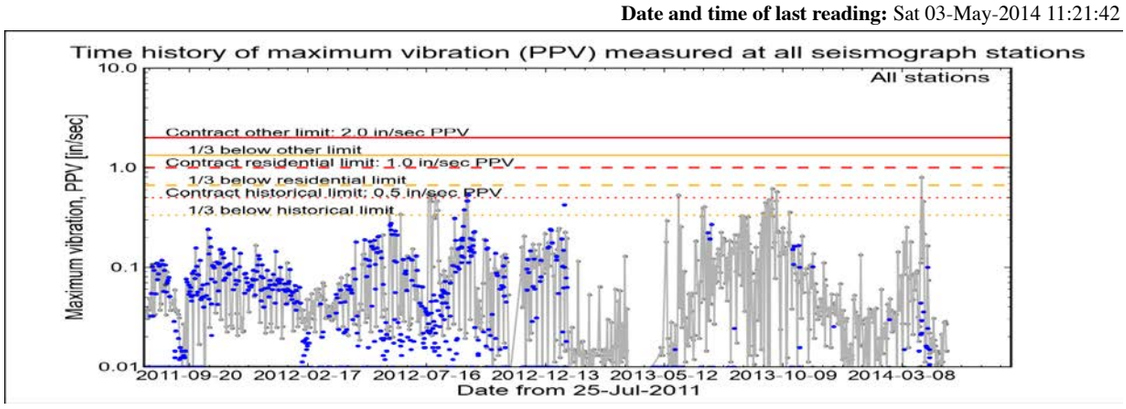

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Click station for more information about the station.

Selected Event Summary

The graph below plots the maximum vibration during the selected event period (blast or ambient) recorded at each and every seismograph station along the easting positions. The vertical axis gives the maximum vibration in peak particle velocity (PPV) in units of inches per second (in/sec). If the maximum vibration level at a station is below 0.01 in/sec, the marker is a v-shaped triangle at 0.01 in/sec. *(Light-gray stems indicate ambient-vibration level. Black stems indicate blast-vibration level. Dark-gray stems indicate predicted blast-vibration level.)*

The table below lists the date, time, and level of the maximum-vibration recording at each station for the selected event.

Station	Date	Time	Max PPV (in / second)	Vibration Type

US Army Corps of Engineers®
New York District

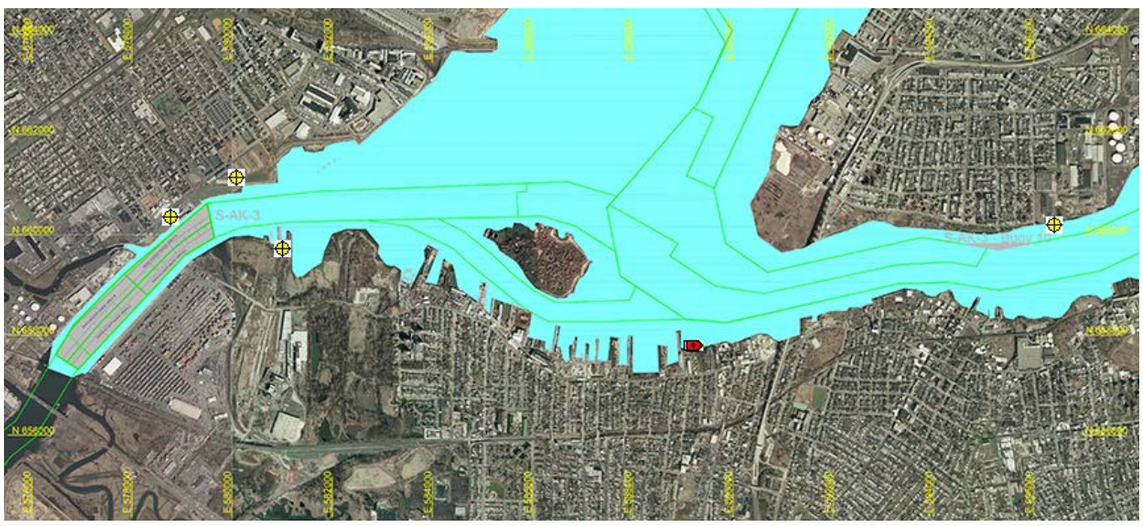
Arthur Kill Blast Vibration Summary

This site summarizes the measured ground vibrations in northwest Staten Island, from rock blasting in the Arthur Kill and other possible sources. The site is updated daily. The data are intended for the sole use of the US Army Corps of Engineers - New York District, for managing and monitoring the performance of NYNJ Harbor Deepening Project Contract in Arthur Kill starting 25 July 2011.

This page represents the most recent observations.

The Arthur Kill contract area is mapped below in light gray. The navigation grid is superimposed. Today's dredge locations are marked by colored symbols, connected by colored lines to this week's past locations marked by gray symbols. The drilling and blasting barge is marked in red. The easting and northing map coordinates in the New Jersey State Plane coordinate system are in yellow. The locations of active seismograph stations are marked by yellow station symbols. (e4sciences stations are circles. CDB stations are triangles.) Selecting a station activates its station page.

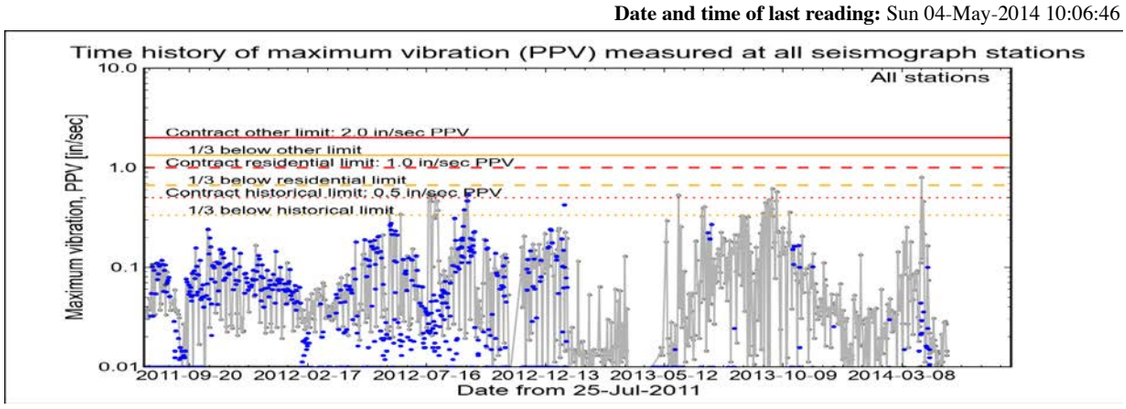
Click station for station information or click channel for event summary.



Latest Event Summary

The graph below is a plot of the maximum vibration recorded by any and all of the numerous seismograph stations during the current observation event (ambient or blast). The horizontal axis gives the date from the start of the project on 25 July 2011. The vertical axis gives the maximum vibration in peak particle velocity (PPV) in units of inches per second (in/sec). The red curves show the project's contract limits; the orange curves show one-third (1/3) below these contract limits. *(The light gray curve is ambient-vibration level. The blue dots are blast-vibration levels. The dark gray dots are predicted blast-vibration levels.)*

Date and time of last reading: Sun 04-May-2014 10:06:46



(Click on graph or here for larger view)

The table below lists the date, time, level, and station of the maximum-vibration recording for each and every event. Selecting an event activates its event page.

Blast ID	Date	Time	Max PPV (in / second)	Max PPV Station
Ambient	Sun 04-May-2014	10:06:46	0.0131	Bayonne
Ambient	Sat 03-May-2014	11:21:42	0.0144	Bayonne
Ambient	Fri 02-May-2014	12:22:57	0.0269	Bayonne
Ambient	Thu 01-May-2014	12:23:41	0.0287	Bayonne
Ambient	Wed 30-Apr-2014	15:21:42	0.0281	Bayonne
Ambient	Tue 29-Apr-2014	23:52:17	0.0075	Bayonne

US Army Corps of Engineers®
New York District

Arthur Kill Blasting Event Summary

This page summarizes measurements of ground vibrations for the selected event. This page displays the maximum vibration recorded at each and every seismograph station during this event.

The Arthur Kill contract area is mapped below with a top-of-rock map. Today's dredge locations are marked by colored symbols, connected by colored lines to this week's past locations marked by gray symbols. The drilling and blasting barge location is marked in red. The easting and northing map coordinates in the New Jersey State Plane coordinate system are in yellow. The locations of active seismograph stations are marked by yellow station symbols. *(e4sciences stations are circles. CDB stations are triangles.)* Selecting a station activates its station page.

Click station for more information about the station.

Selected Event Summary

The graph below plots the maximum vibration during the selected event period (blast or ambient) recorded at each and every seismograph station along the easting positions. The vertical axis gives the maximum vibration in peak particle velocity (PPV) in units of inches per second (in/sec). If the maximum vibration level at a station is below 0.01 in/sec, the marker is a v-shaped triangle at 0.01 in/sec. *(Light-gray stems indicate ambient-vibration level. Black stems indicate blast-vibration level. Dark-gray stems indicate predicted blast-vibration level.)*

The table below lists the date, time, and level of the maximum-vibration recording at each station for the selected event.

Station	Date	Time	Max PPV (in / second)	Vibration Type