



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 May 20 – May 26, 2013

The following pages display the results from the USACE-NYD real-time website for the week of Monday, May 20, through Sunday, May 26, 2013.

There were 6 blasts this week in the West-ELIZ project area.

We recorded background vibrations in the S-AK-3 project area. The maximum vibration recorded was 0.0267 in/s recorded at Elizabeth Marina on May 26. Table 1 summarizes the blasts this week.

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 operated in West-ELIZ this week.

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

May 20  
May 21  
May 22  
May 23  
May 24  
May 25  
May 26

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 three active stations: Port Ivory, New York Container Terminal (NYCT), and Elizabethport. The station locations are on each page.

Ground vibrations at Port Ivory were all below 0.02 in/s. Ground vibrations at NYCT were all below 0.02 in/s. Ground vibrations at Elizabethport were all below 0.0270 in/s. All blast vibration measurements are below the contract vibration limits for this site.

**Table 1.** Blast Summary for this week

<b>Blast</b>	<b>Date &amp; Time EST/EDT of blast</b>	<b>Distance from blast to e4s stations (feet)</b>	<b>e4s Max. vibration (in/s)</b>
WE-015	2013-05-22 09:30	15,730 - 16,990	n/a
WE-016	2013-05-23 09:28	15,710 - 16,970	n/a
WE-016a	2013-05-23 11:30	15,710 - 16,970	n/a
WE-017	2013-05-24 13:10	15,930 - 17,180	n/a
WE-018	2013-05-25 12:30	16,030 - 17,300	n/a
WE-019	2013-05-25 16:45	15,910 - 17,160	n/a



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## 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](#)

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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
2013-05-26 Sun				No Activity
2013-05-25 Sat				No Activity
2013-05-24 Fri				No Activity
2013-05-23 Thu				No Activity
2013-05-22 Wed				No Activity
2013-05-21 Tue				No Activity
2013-05-20 Mon				No Activity



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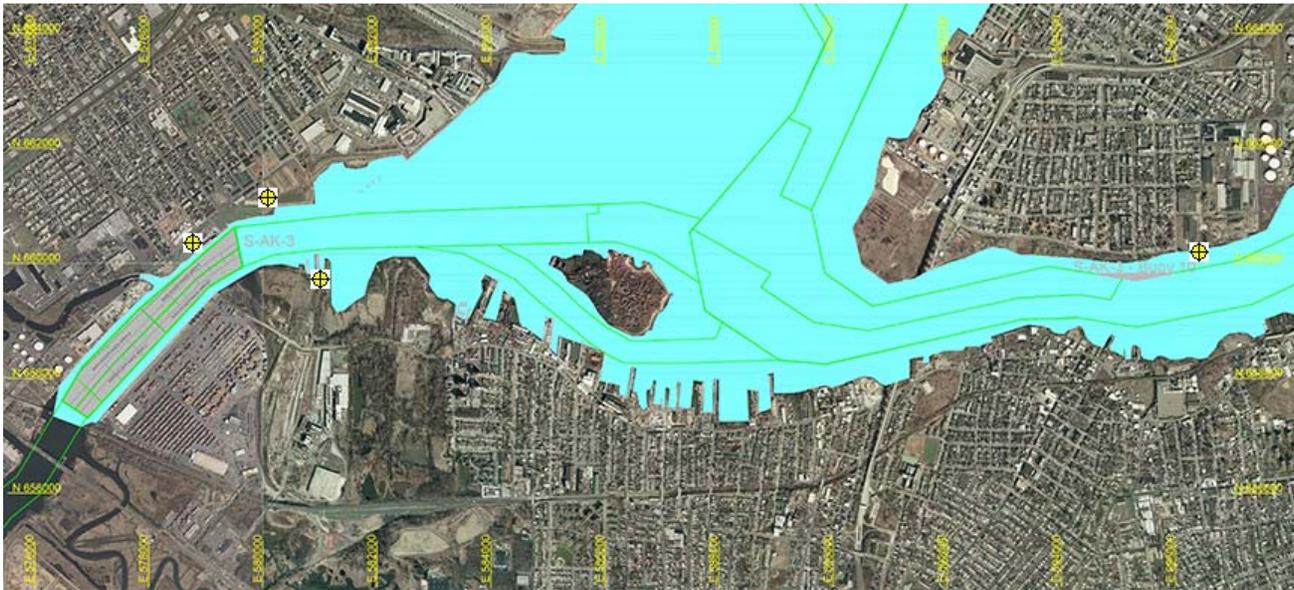
## Arthur Kill Blast Vibration Summary

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.

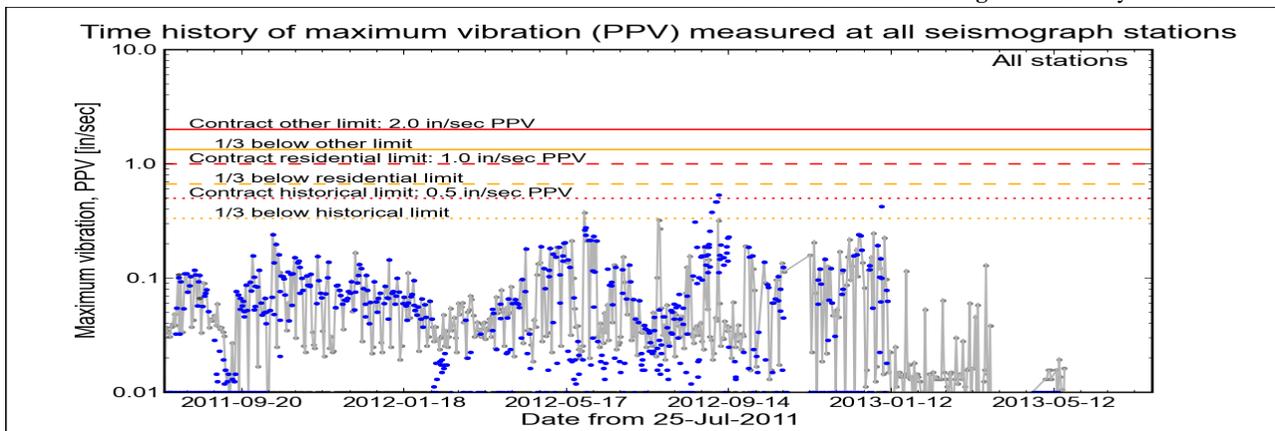
*Click station for station information or click channel for event summary.*



### 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: Mon 20-May-2013 16:46:45**



(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
<a href="#">Ambient</a>	<a href="#">Mon 20-May-2013</a>	16:46:45	0.0162	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Sun 19-May-2013</a>	19:16:46	0.0050	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Sat 18-May-2013</a>	13:02:04	0.0106	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Fri 17-May-2013</a>	16:01:44	0.0137	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Thu 16-May-2013</a>	12:47:02	0.0194	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Wed 15-May-2013</a>	22:26:53	0.0050	<a href="#">Elizabeth Marina</a>



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## 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.

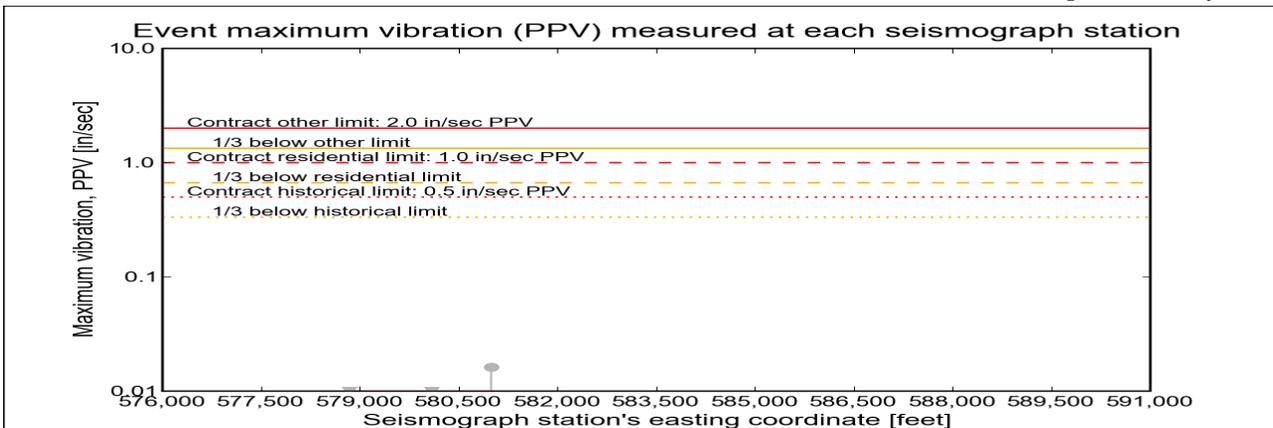
*Click station for more information about the station.*



### 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.*)

**Date of reading:** Mon 20-May-2013



*(Click on graph or [here](#) for larger view)*

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
<a href="#">Elizabeth Marina - e4s010</a>	<a href="#">Mon 20-May-2013</a>	12:17:33	0.00562	<a href="#">Ambient</a>
<a href="#">Elizabeth Port - e4s009</a>	<a href="#">Mon 20-May-2013</a>	16:01:45	0.00375	<a href="#">Ambient</a>
<a href="#">NYCT - e4s008</a>	<a href="#">Mon 20-May-2013</a>	16:46:45	0.0162	<a href="#">Ambient</a>



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27 Glen Road, Sandy Hook, CT 06482

[www.e4sciences.com](http://www.e4sciences.com)



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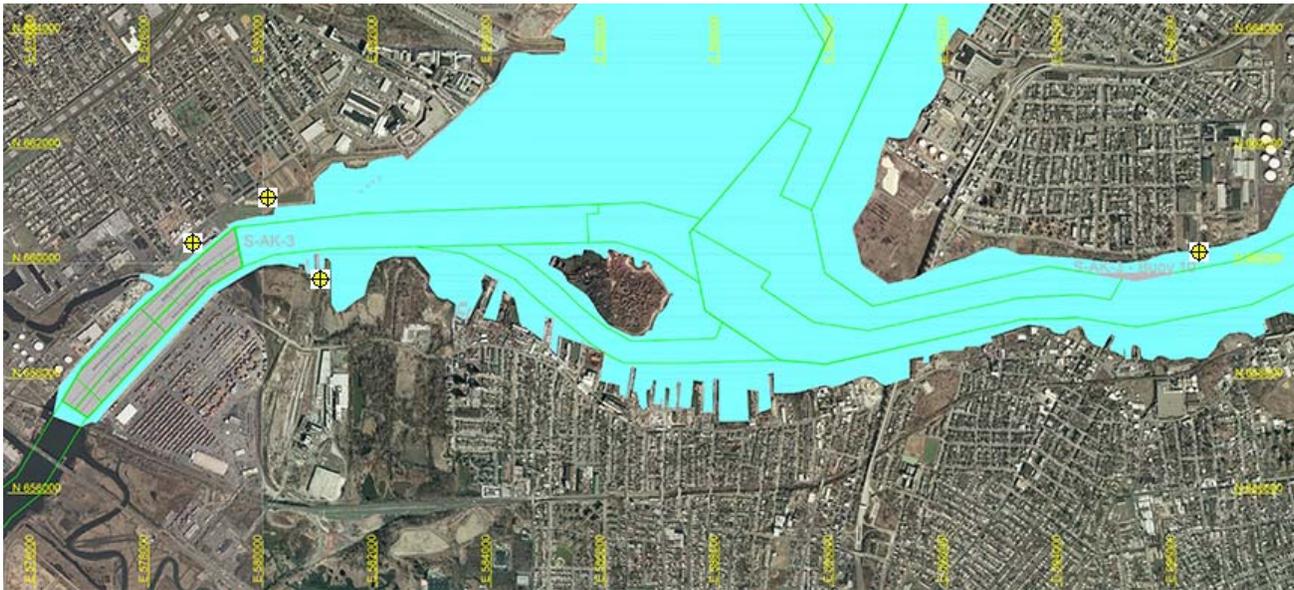
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The Arthur Kill contract area is mapped below in light gray. The navigation grid is superimposed. Today's dredge locations are marked by colored symbols, connected by colored lines to this week's past locations marked by gray symbols. The drilling 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.

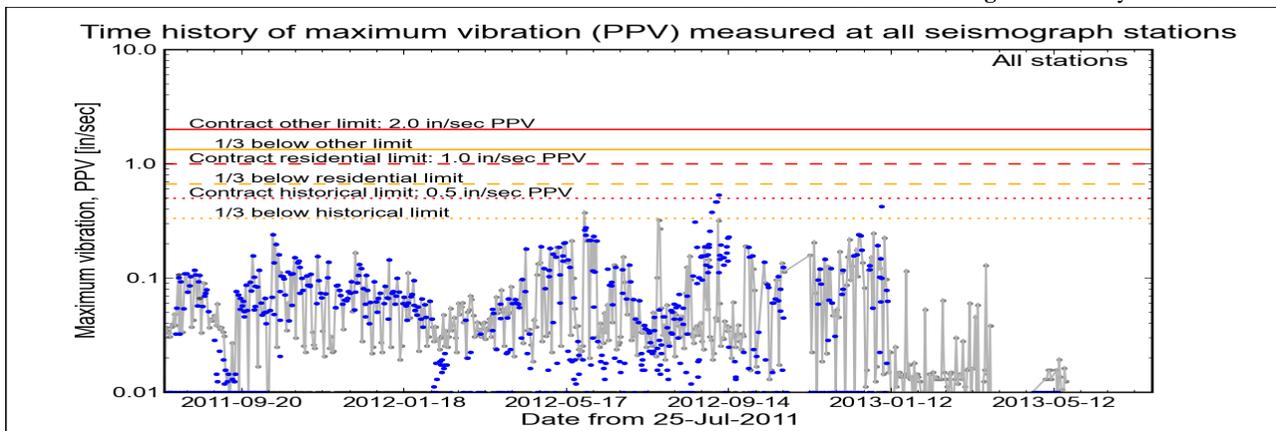
*Click station for station information or click channel for event summary.*



### 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: Tue 21-May-2013 20:16:20**



(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
<a href="#">Ambient</a>	<a href="#">Tue 21-May-2013</a>	20:16:20	0.0125	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Mon 20-May-2013</a>	16:46:45	0.0162	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Sun 19-May-2013</a>	19:16:46	0.0050	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Sat 18-May-2013</a>	13:02:04	0.0106	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Fri 17-May-2013</a>	16:01:44	0.0137	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Thu 16-May-2013</a>	12:47:02	0.0194	<a href="#">NYCT</a>



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## 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.

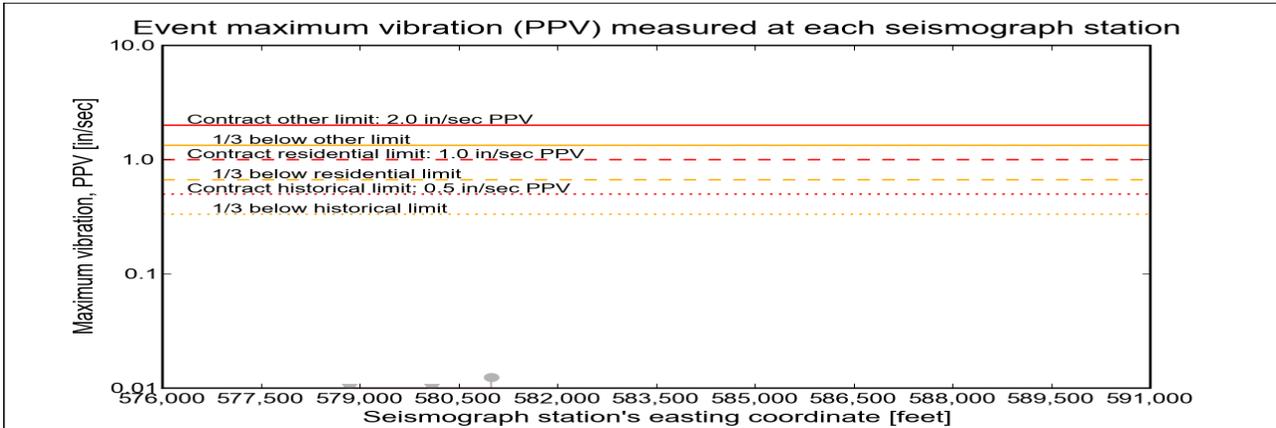
*Click station for more information about the station.*



### Selected Event Summary

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**Date of reading:** Tue 21-May-2013



*(Click on graph or [here](#) for larger view)*

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
<a href="#">Elizabeth Marina - e4s010</a>	Tue 21-May-2013	21:02:33	0.005	<a href="#">Ambient</a>
<a href="#">Elizabeth Port - e4s009</a>	Tue 21-May-2013	01:46:48	0.00875	<a href="#">Ambient</a>
<a href="#">NYCT - e4s008</a>	Tue 21-May-2013	20:16:20	0.0125	<a href="#">Ambient</a>



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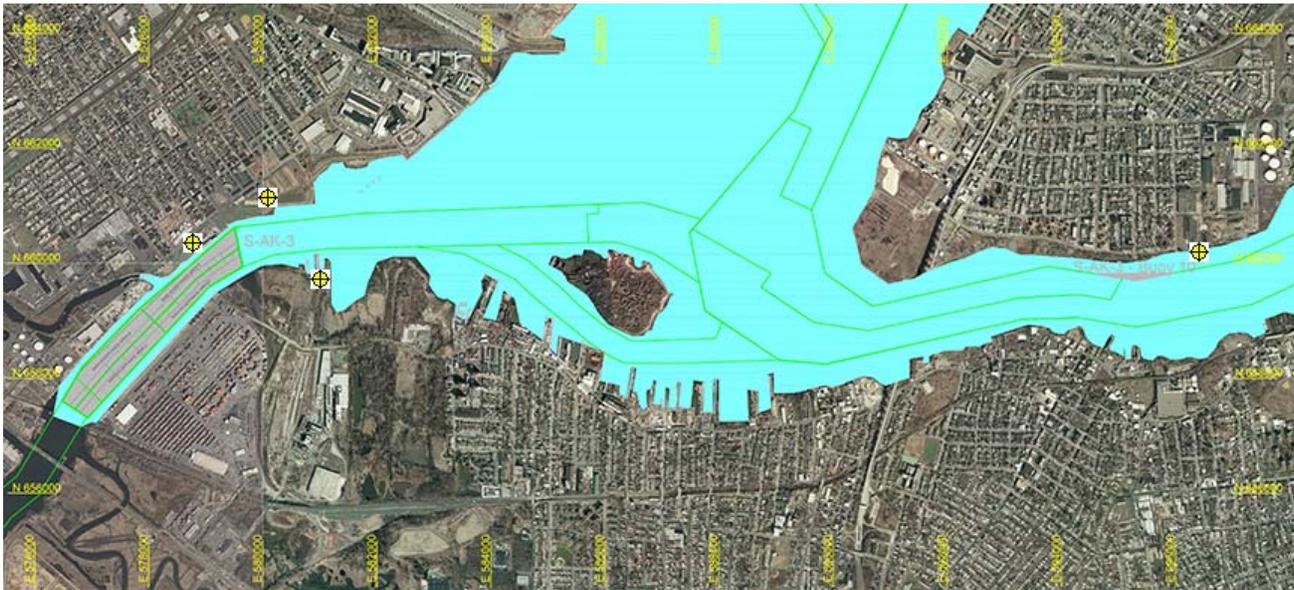
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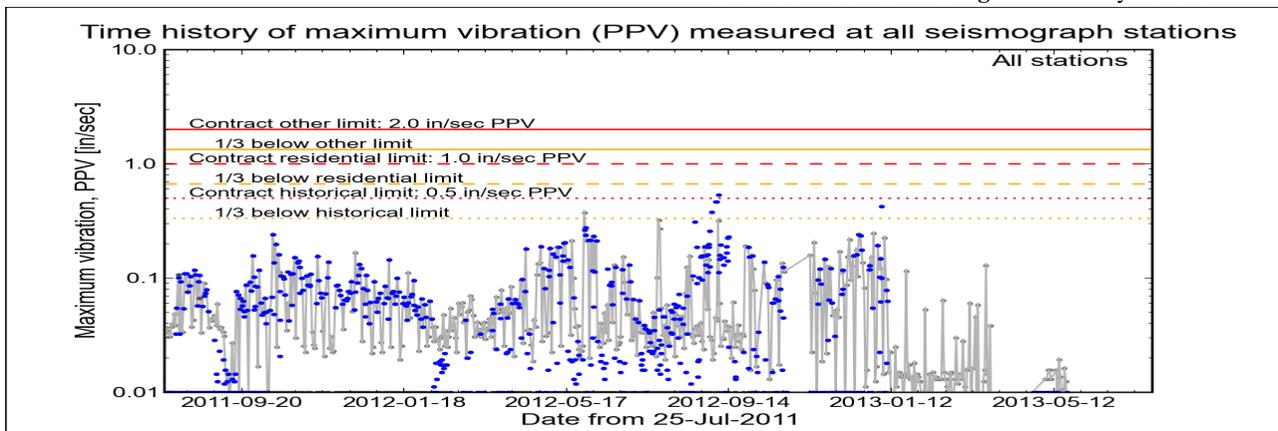
*Click station for station information or click channel for event summary.*



### Latest Event Summary

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**Date and time of last reading: Wed 22-May-2013 13:16:44**



(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
<a href="#">Blast</a>	<a href="#">Wed 22-May-2013</a>	13:16:44	0.0069	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Tue 21-May-2013</a>	20:16:20	0.0125	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Mon 20-May-2013</a>	16:46:45	0.0162	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Sun 19-May-2013</a>	19:16:46	0.0050	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Sat 18-May-2013</a>	13:02:04	0.0106	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Fri 17-May-2013</a>	16:01:44	0.0137	<a href="#">NYCT</a>



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## 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.

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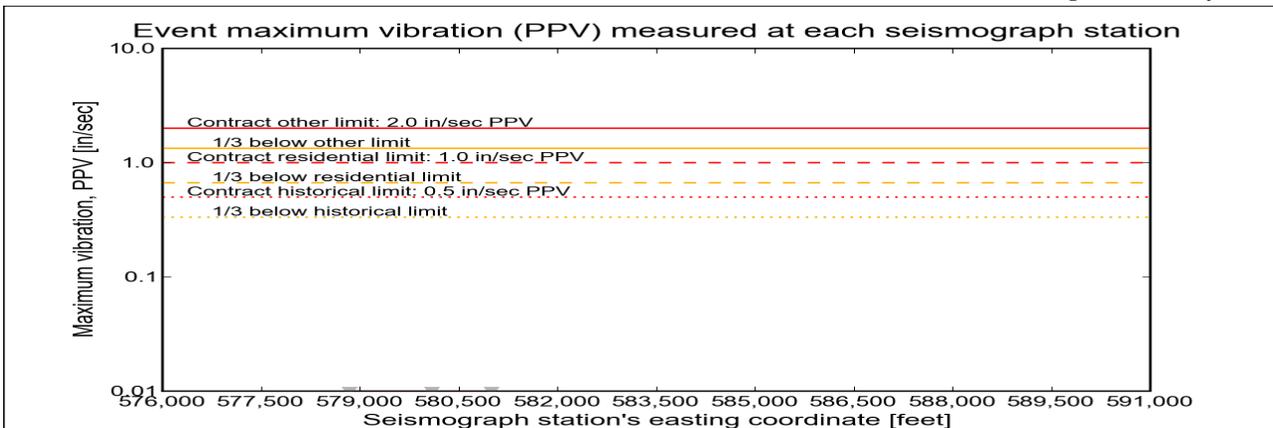
*Click station for more information about the station.*



### Selected Event Summary

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**Date of reading:** Wed 22-May-2013



*(Click on graph or [here](#) for larger view)*

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
<a href="#">Elizabeth Marina - e4s010</a>	<a href="#">Wed 22-May-2013</a>	00:17:33	0.005	<a href="#">Ambient</a>
<a href="#">Elizabeth Port - e4s009</a>	<a href="#">Wed 22-May-2013</a>	06:15:54	0.00375	<a href="#">Ambient</a>
<a href="#">NYCT - e4s008</a>	<a href="#">Wed 22-May-2013</a>	13:16:44	0.00687	<a href="#">Ambient</a>



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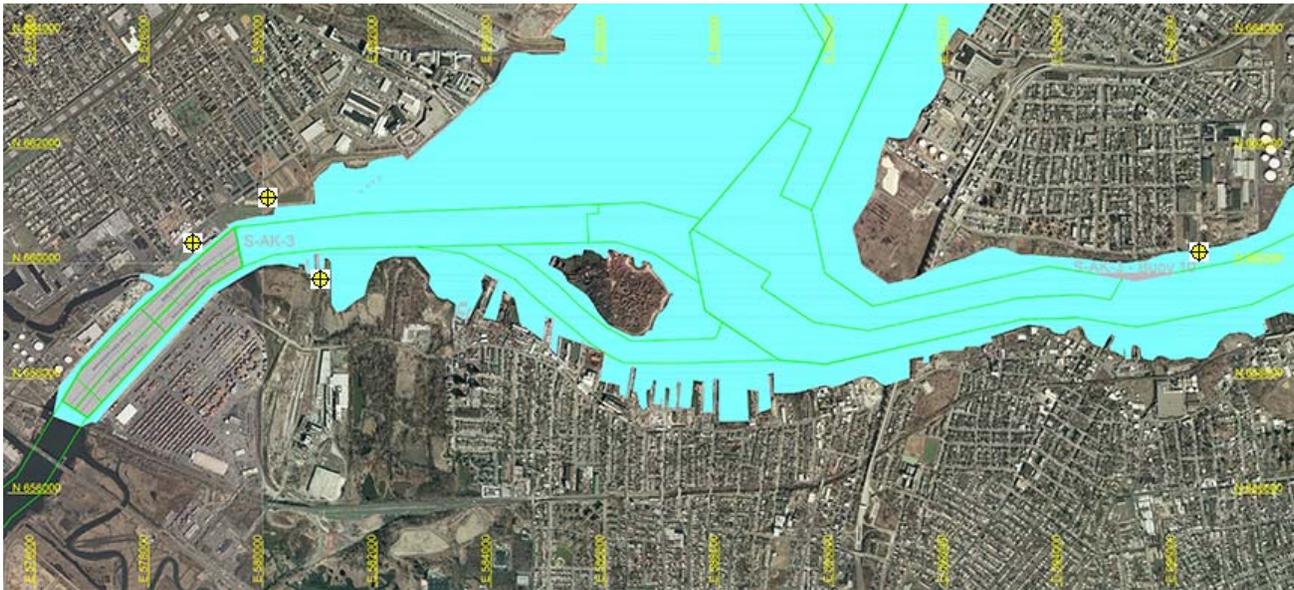
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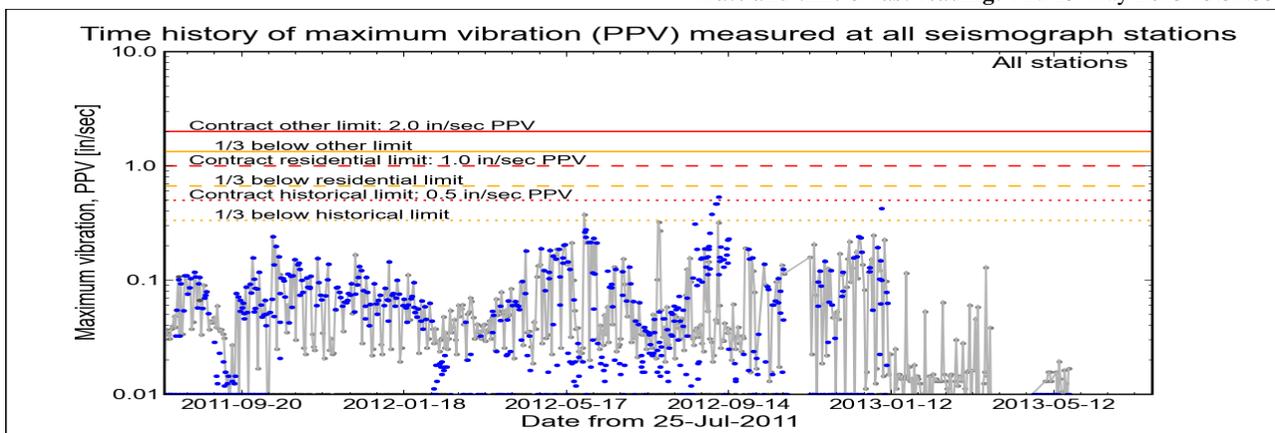
*Click station for station information or click channel for event summary.*



### Latest Event Summary

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**Date and time of last reading: Thu 23-May-2013 15:32:35**



(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
<a href="#">Ambient</a>	<a href="#">Thu 23-May-2013</a>	15:32:35	0.0169	<a href="#">Elizabeth Marina</a>
<a href="#">Blast</a>	<a href="#">Wed 22-May-2013</a>	13:16:44	0.0069	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Tue 21-May-2013</a>	20:16:20	0.0125	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Mon 20-May-2013</a>	16:46:45	0.0162	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Sun 19-May-2013</a>	19:16:46	0.0050	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Sat 18-May-2013</a>	13:02:04	0.0106	<a href="#">NYCT</a>



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## 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.

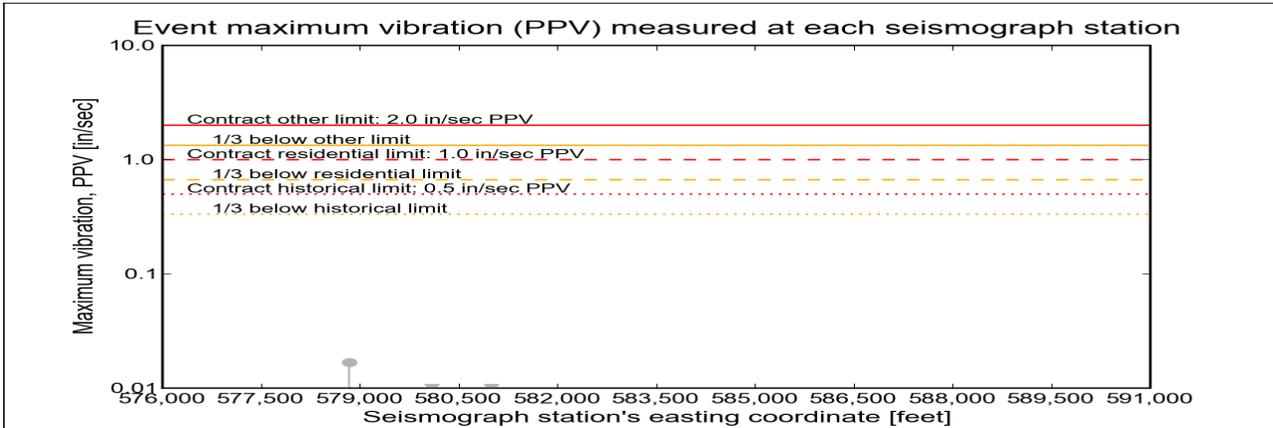
*Click station for more information about the station.*



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**Date of reading:** Thu 23-May-2013



*(Click on graph or [here](#) for larger view)*

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

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<a href="#">Elizabeth Port - e4s009</a>	Thu 23-May-2013	12:47:02	0.00812	Ambient
<a href="#">NYCT - e4s008</a>	Thu 23-May-2013	02:01:45	0.005	Ambient



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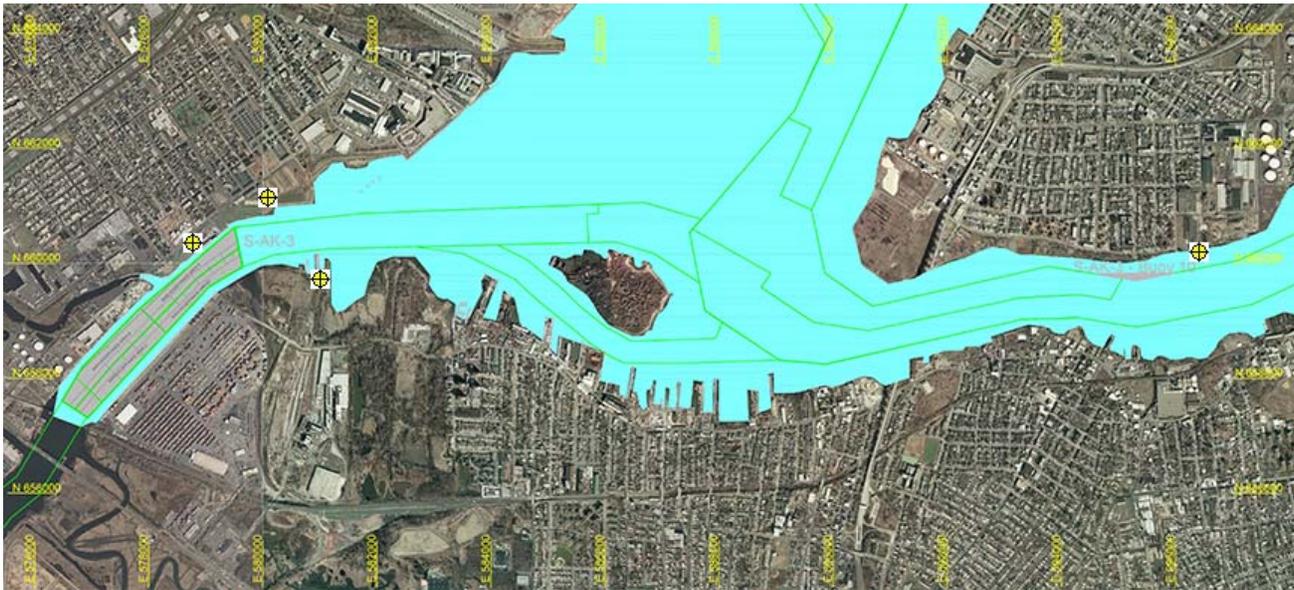
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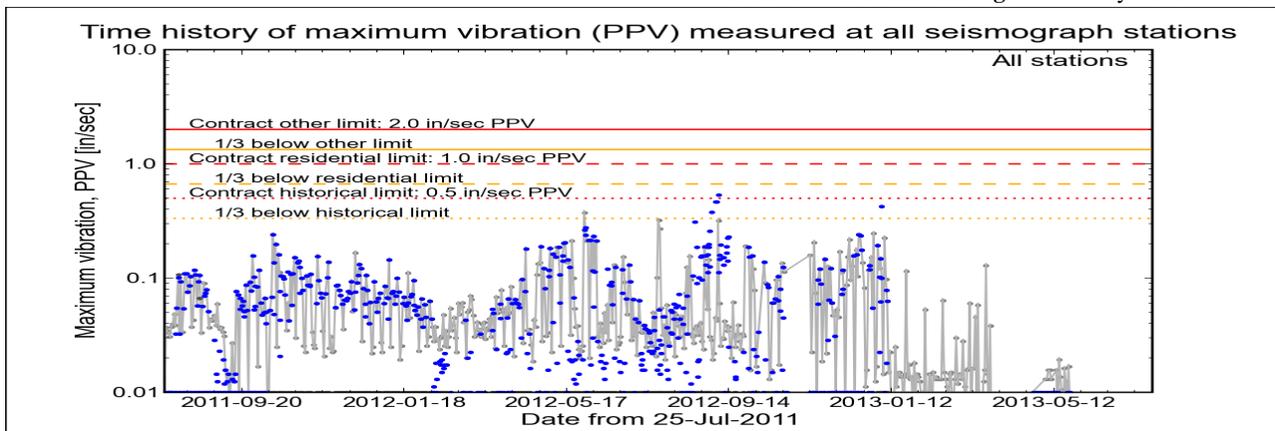
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### Latest Event Summary

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: Fri 24-May-2013 14:47:35**



(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
<a href="#">Ambient</a>	<a href="#">Fri 24-May-2013</a>	14:47:35	0.0075	<a href="#">Elizabeth Marina</a>
<a href="#">Ambient</a>	<a href="#">Thu 23-May-2013</a>	15:32:35	0.0169	<a href="#">Elizabeth Marina</a>
<a href="#">Blast</a>	<a href="#">Wed 22-May-2013</a>	13:16:44	0.0069	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Tue 21-May-2013</a>	20:16:20	0.0125	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Mon 20-May-2013</a>	16:46:45	0.0162	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Sun 19-May-2013</a>	19:16:46	0.0050	<a href="#">NYCT</a>



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## 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.

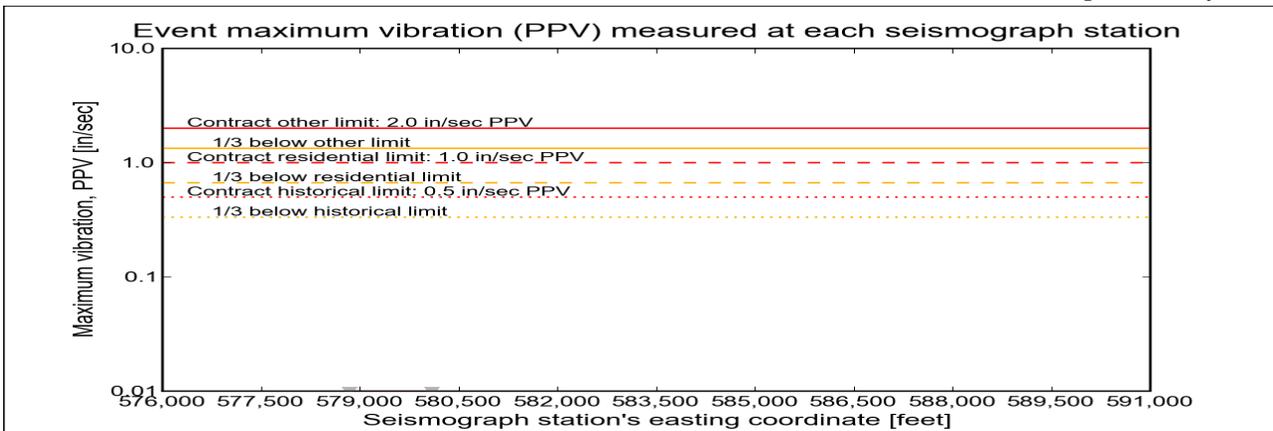
*Click station for more information about the station.*



### 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.*)

**Date of reading:** Fri 24-May-2013



*(Click on graph or [here](#) for larger view)*

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
<a href="#">Elizabeth Marina - e4s010</a>	Fri 24-May-2013	14:47:35	0.0075	Ambient
<a href="#">Elizabeth Port - e4s009</a>	Fri 24-May-2013	20:32:23	0.00375	Ambient



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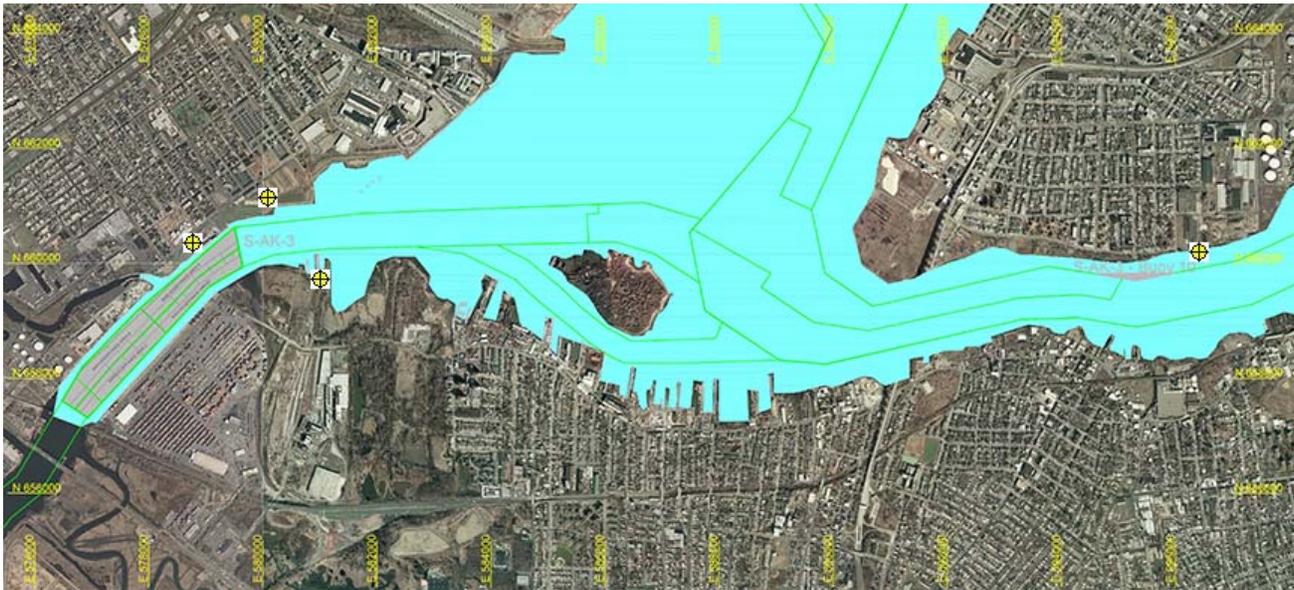
## Arthur Kill Blast Vibration Summary

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.

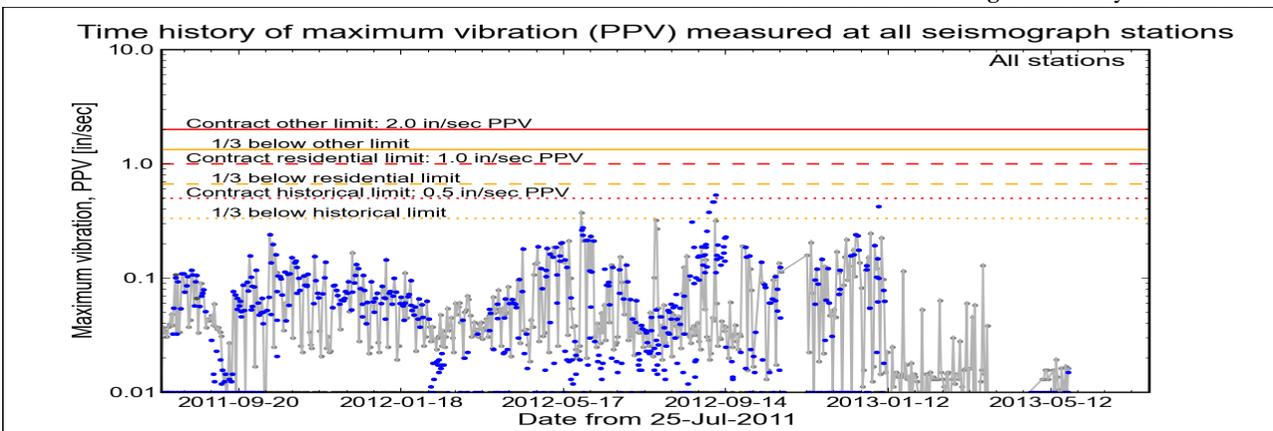
*Click station for station information or click channel for event summary.*



### 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: Sat 25-May-2013 17:32:34**



(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
<a href="#">Ambient</a>	<a href="#">Sat 25-May-2013</a>	17:32:34	0.0162	<a href="#">Elizabeth Marina</a>
<a href="#">Ambient</a>	<a href="#">Fri 24-May-2013</a>	14:47:35	0.0075	<a href="#">Elizabeth Marina</a>
<a href="#">Ambient</a>	<a href="#">Thu 23-May-2013</a>	15:32:35	0.0169	<a href="#">Elizabeth Marina</a>
<a href="#">Blast</a>	<a href="#">Wed 22-May-2013</a>	13:16:44	0.0069	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Tue 21-May-2013</a>	20:16:20	0.0125	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Mon 20-May-2013</a>	16:46:45	0.0162	<a href="#">NYCT</a>



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## 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.

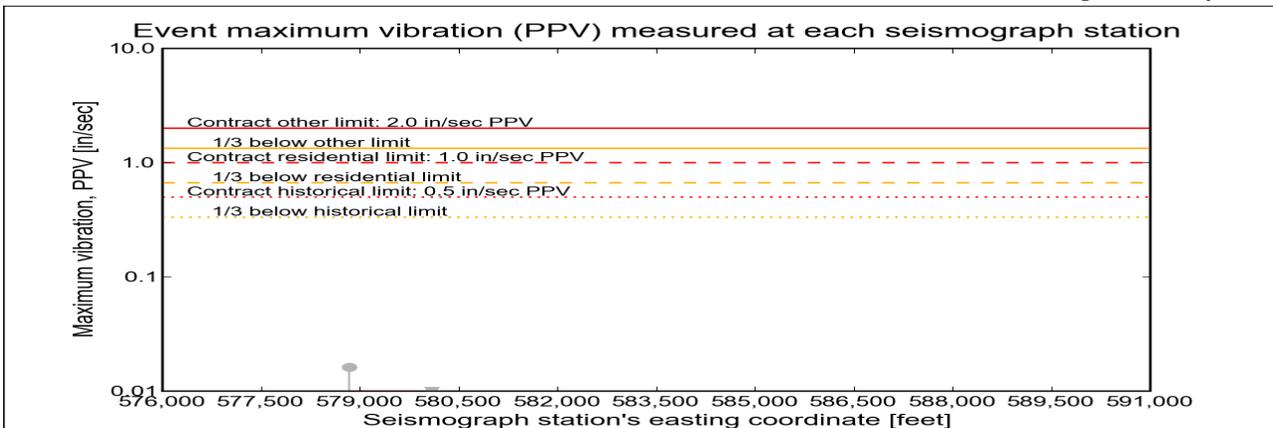
*Click station for more information about the station.*



### 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.*)

**Date of reading:** Sat 25-May-2013



*(Click on graph or [here](#) for larger view)*

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
<a href="#">Elizabeth Marina - e4s010</a>	Sat 25-May-2013	17:32:34	0.0162	<a href="#">Ambient</a>
<a href="#">Elizabeth Port - e4s009</a>	Sat 25-May-2013	19:01:44	0.00375	<a href="#">Ambient</a>



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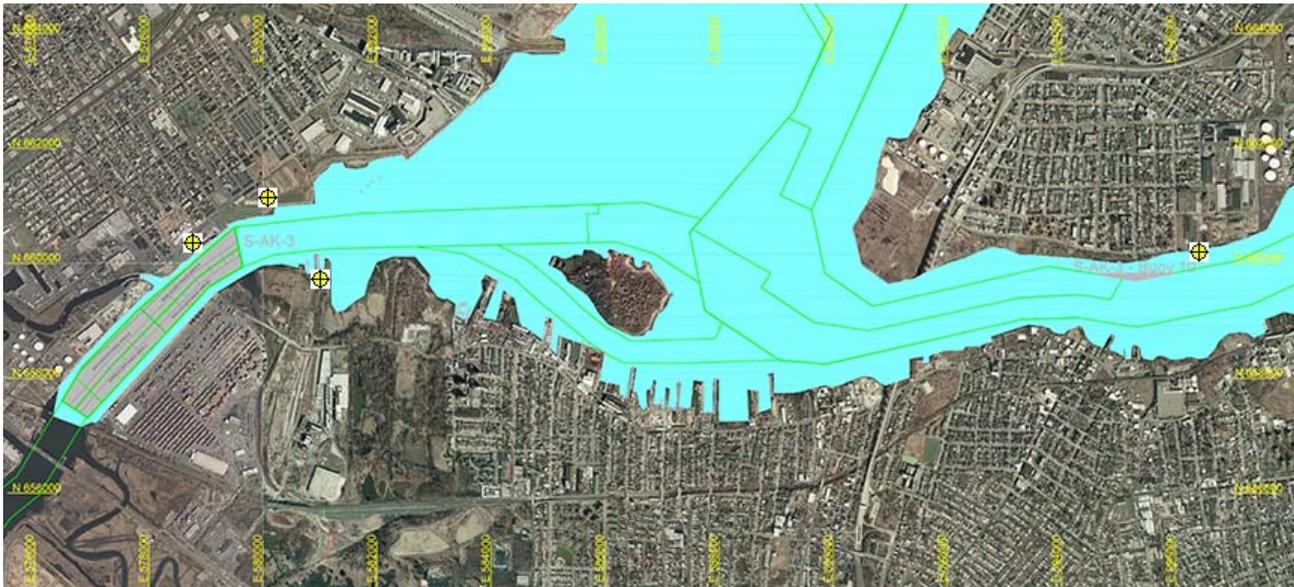
## Arthur Kill Blast Vibration Summary

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.

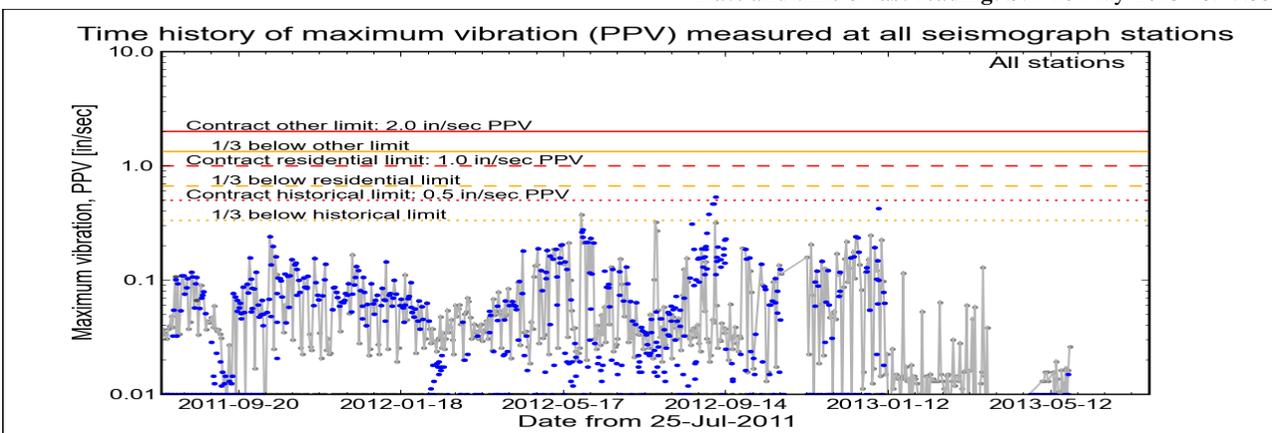
*Click station for station information or click channel for event summary.*



### Latest Event Summary

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**Date and time of last reading: Sun 26-May-2013 18:17:35**



(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
<a href="#">Ambient</a>	<a href="#">Sun 26-May-2013</a>	18:17:35	0.0262	<a href="#">Elizabeth Marina</a>
<a href="#">Ambient</a>	<a href="#">Sat 25-May-2013</a>	17:32:34	0.0162	<a href="#">Elizabeth Marina</a>
<a href="#">Ambient</a>	<a href="#">Fri 24-May-2013</a>	14:47:35	0.0075	<a href="#">Elizabeth Marina</a>
<a href="#">Ambient</a>	<a href="#">Thu 23-May-2013</a>	15:32:35	0.0169	<a href="#">Elizabeth Marina</a>
<a href="#">Blast</a>	<a href="#">Wed 22-May-2013</a>	13:16:44	0.0069	<a href="#">NYCT</a>
<a href="#">Ambient</a>	<a href="#">Tue 21-May-2013</a>	20:16:20	0.0125	<a href="#">NYCT</a>



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## 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.

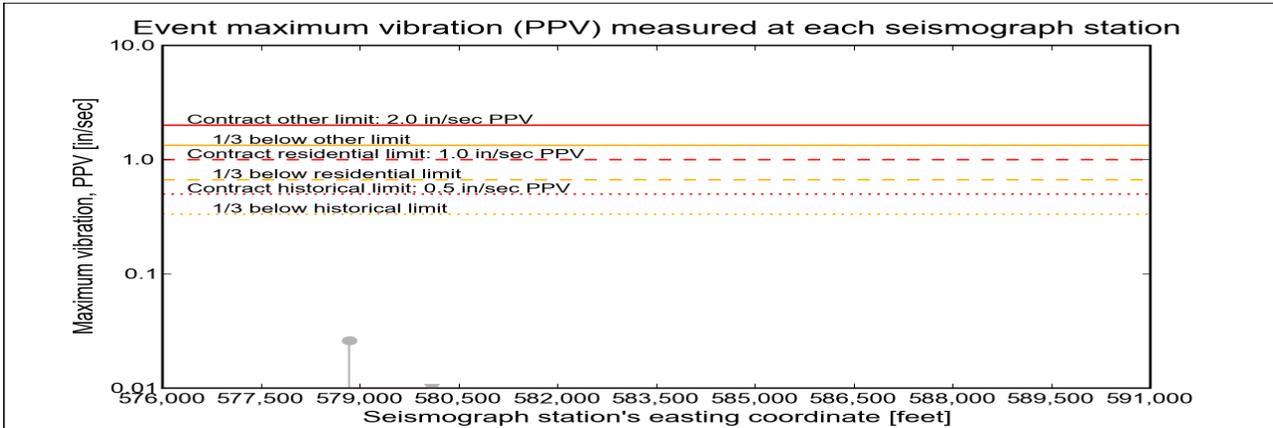
*Click station for more information about the station.*



### 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.*)

**Date of reading:** Sun 26-May-2013



*(Click on graph or [here](#) for larger view)*

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
<a href="#">Elizabeth Marina - e4s010</a>	Sun 26-May-2013	18:17:35	0.0262	Ambient
<a href="#">Elizabeth Port - e4s009</a>	Sun 26-May-2013	20:01:43	0.00562	Ambient