



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 March 11 – March 17, 2013

The following pages display the results from the USACE-NYD real-time website for the week of Monday, March 11 through Sunday, March 17, 2013.

There were no blasts this week in the S-AK-2 project area.

We recorded background noise in the S-AK-2 project area. The maximum ambient vibration recorded was 0.0088 in/s recorded at Elizabethport on March 15.

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. Capt AJ Fournier and Dredge FJ Belesimo operated in S-AK-2 all 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:

March 11
March 12
March 13
March 14
March 15
March 16
March 17

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 0.020 in/s. Ground vibrations at NYCT were all below 0.020 in/s. Ground vibrations at Elizabethport were all below 0.020 in/s. All vibration measurements are below the contract vibration limits for this site.



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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.

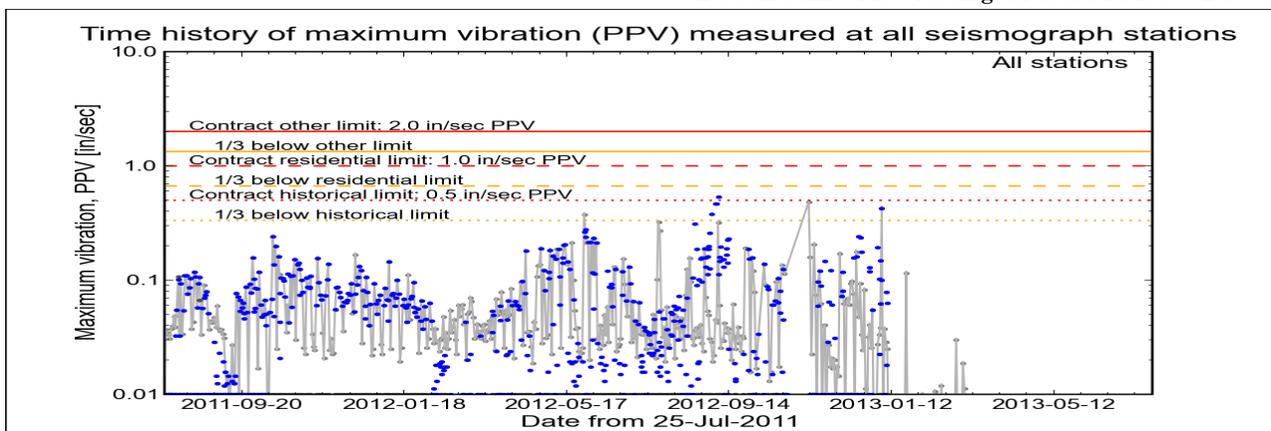
Click station for station information or click channel for event summary.



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 11-Mar-2013 02:17:53



(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	Mon 11-Mar-2013	02:17:53	0.0050	K-Sea Transportation
Ambient	Sun 10-Mar-2013	00:02:36	0.0063	K-Sea Transportation
Ambient	Sat 09-Mar-2013	22:17:36	0.0063	K-Sea Transportation
Ambient	Fri 08-Mar-2013	10:32:34	0.0056	K-Sea Transportation
Ambient	Thu 07-Mar-2013	16:17:35	0.0112	K-Sea Transportation
Ambient	Wed 06-Mar-2013	23:47:50	0.0187	K-Sea Transportation



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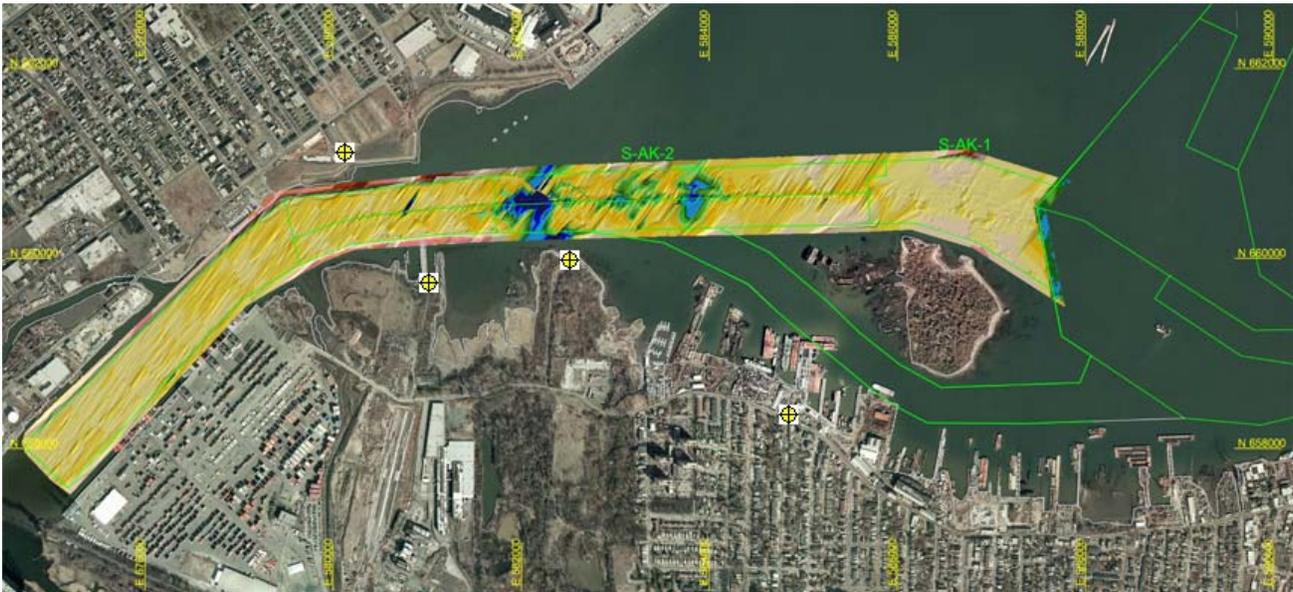
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Arthur Kill Blasting Event Summary

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.

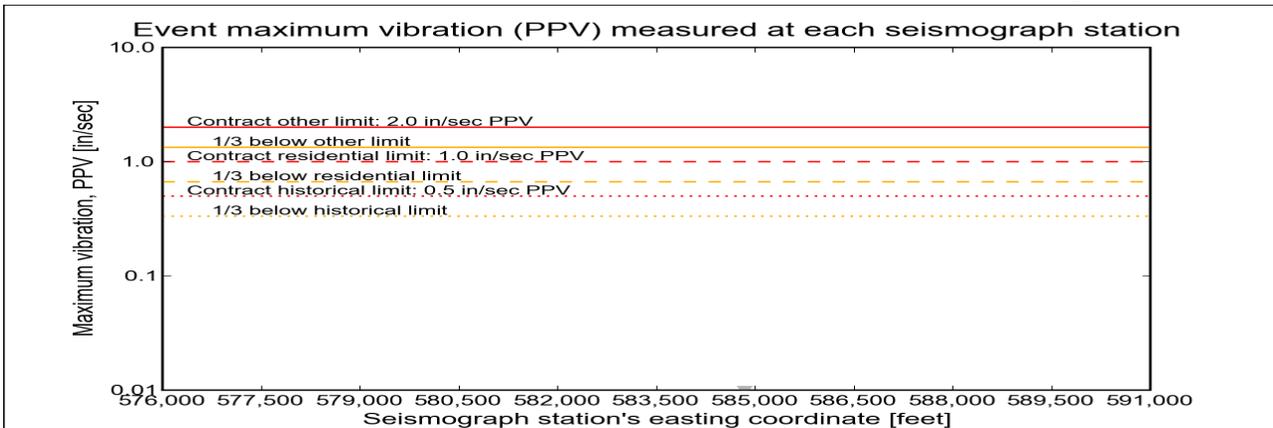
Click station for more information about the station.



Selected Event Summary

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Date of reading: Mon 11-Mar-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
K-Sea Transportation - e4s006	Mon 11-Mar-2013	02:17:53	0.005	Ambient



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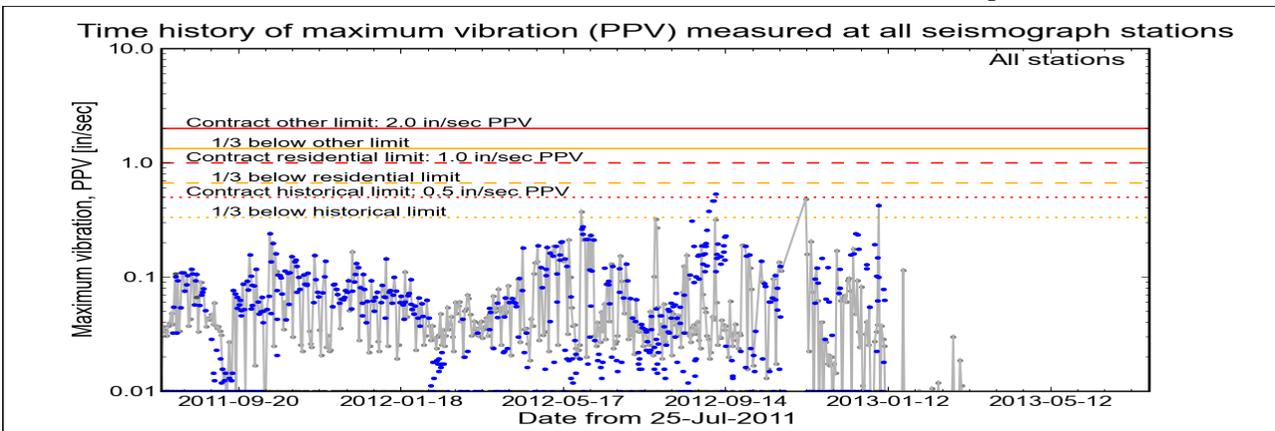
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Latest Event Summary

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Date and time of last reading: Tue 12-Mar-2013 10:17:34



(Click on graph or here for larger view)

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Ambient	Sat 09-Mar-2013	22:17:36	0.0063	K-Sea Transportation
Ambient	Fri 08-Mar-2013	10:32:34	0.0056	K-Sea Transportation
Ambient	Thu 07-Mar-2013	16:17:35	0.0112	K-Sea Transportation



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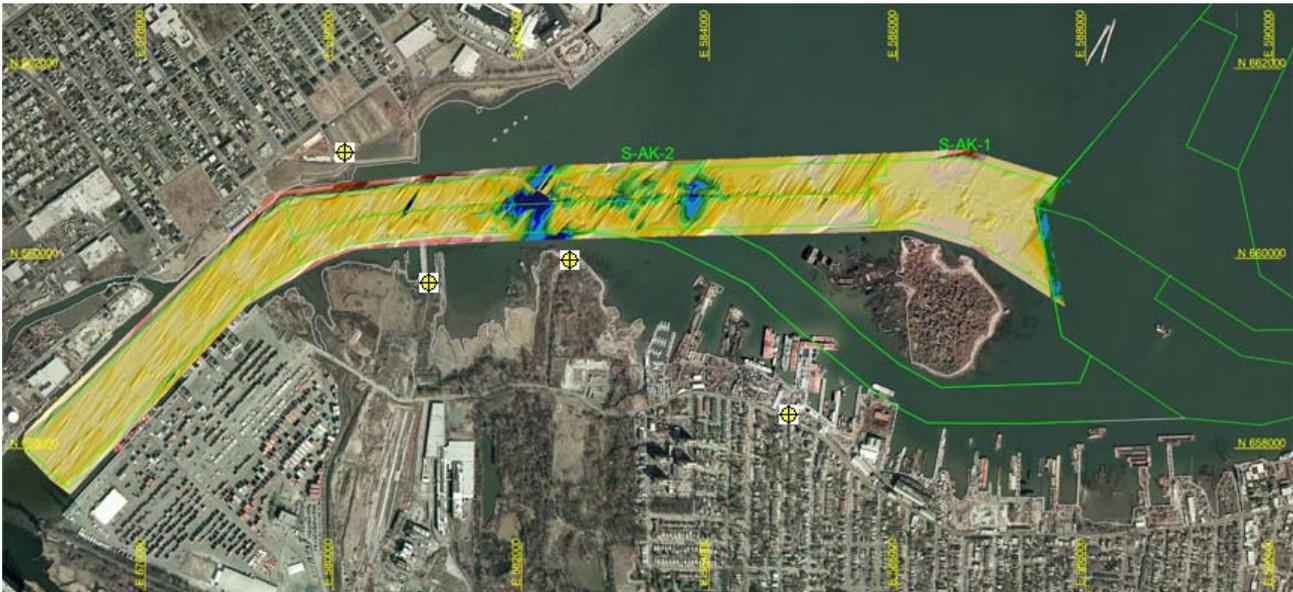
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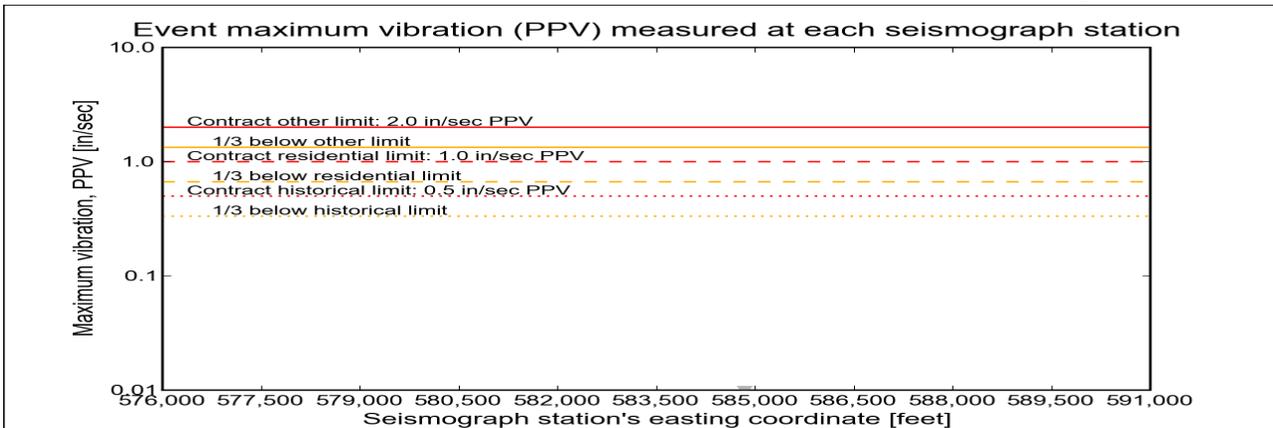
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Station	Date	Time	Max PPV (in / second)	Vibration Type
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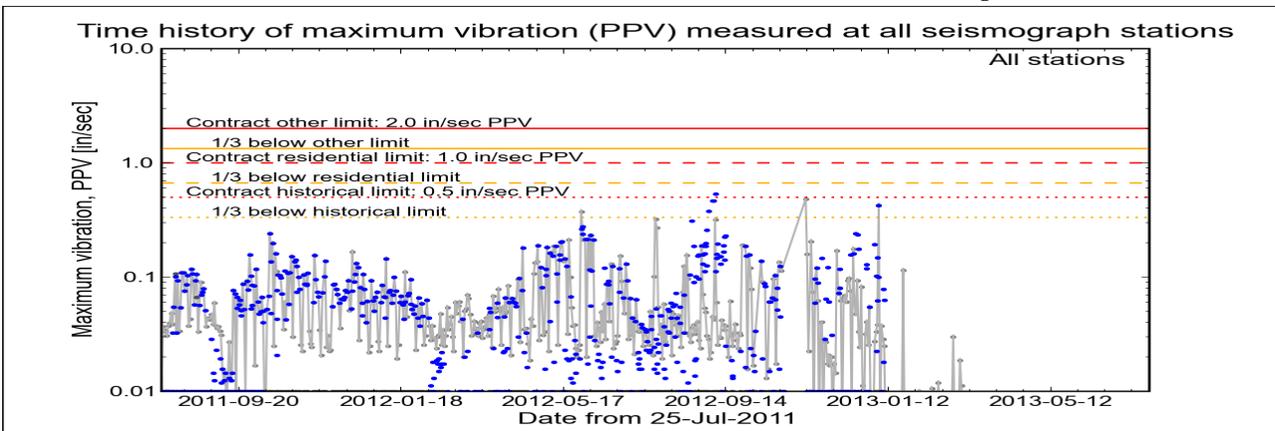
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Date and time of last reading: Wed 13-Mar-2013 18:47:35



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

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Blast ID	Date	Time	Max PPV (in / second)	Max PPV Station
Ambient	Wed 13-Mar-2013	18:47:35	0.0056	K-Sea Transportation
Ambient	Tue 12-Mar-2013	10:17:34	0.0050	K-Sea Transportation
Ambient	Mon 11-Mar-2013	02:17:53	0.0050	K-Sea Transportation
Ambient	Sun 10-Mar-2013	00:02:36	0.0063	K-Sea Transportation
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Ambient	Fri 08-Mar-2013	10:32:34	0.0056	K-Sea Transportation



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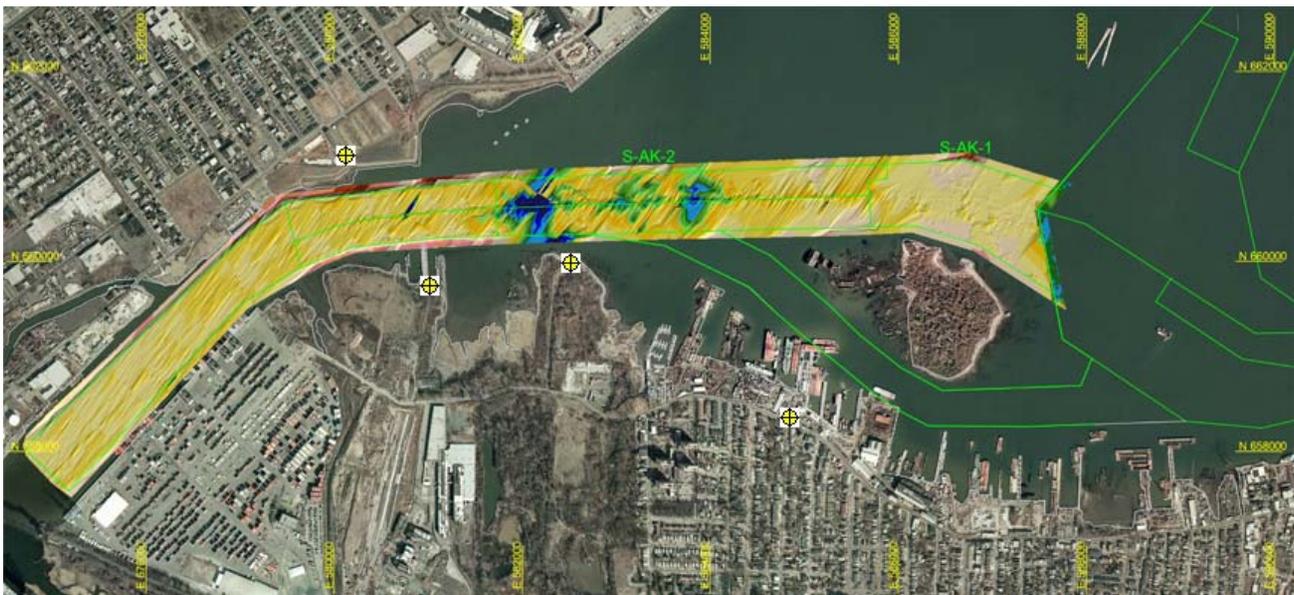
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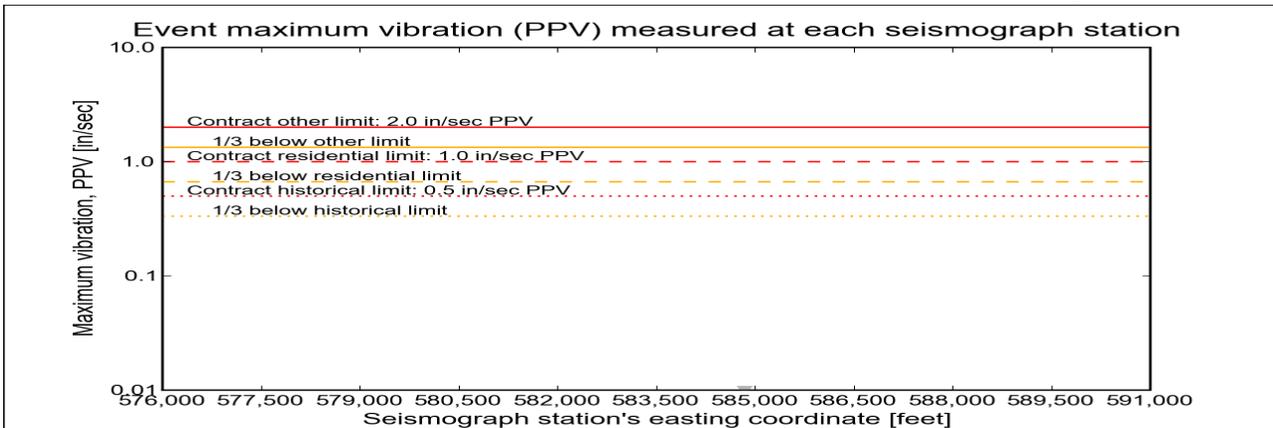
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Station	Date	Time	Max PPV (in / second)	Vibration Type
K-Sea Transportation - e4s006	Wed 13-Mar-2013	18:47:35	0.00562	Ambient



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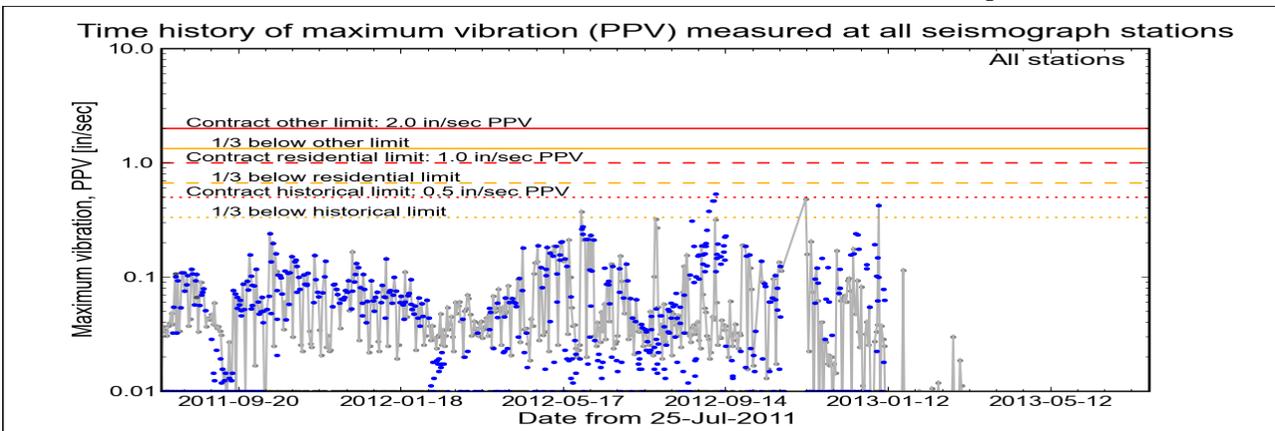
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Date and time of last reading: Thu 14-Mar-2013 03:17:38



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

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Ambient	Thu 14-Mar-2013	03:17:38	0.0050	K-Sea Transportation
Ambient	Wed 13-Mar-2013	18:47:35	0.0056	K-Sea Transportation
Ambient	Tue 12-Mar-2013	10:17:34	0.0050	K-Sea Transportation
Ambient	Mon 11-Mar-2013	02:17:53	0.0050	K-Sea Transportation
Ambient	Sun 10-Mar-2013	00:02:36	0.0063	K-Sea Transportation
Ambient	Sat 09-Mar-2013	22:17:36	0.0063	K-Sea Transportation



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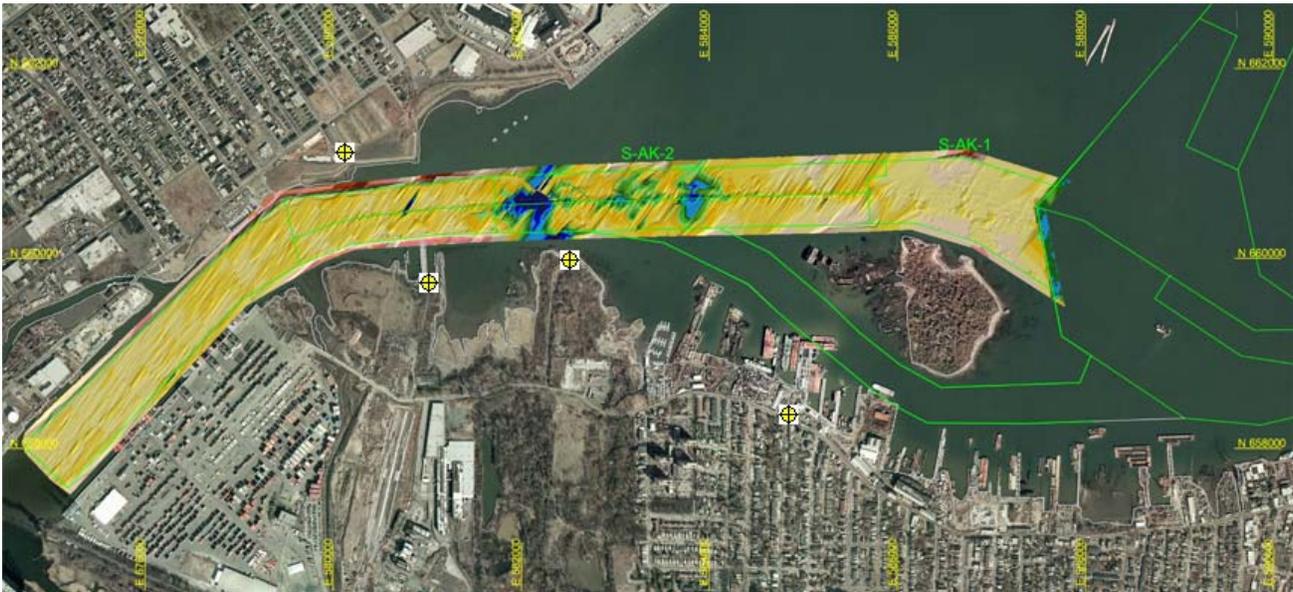
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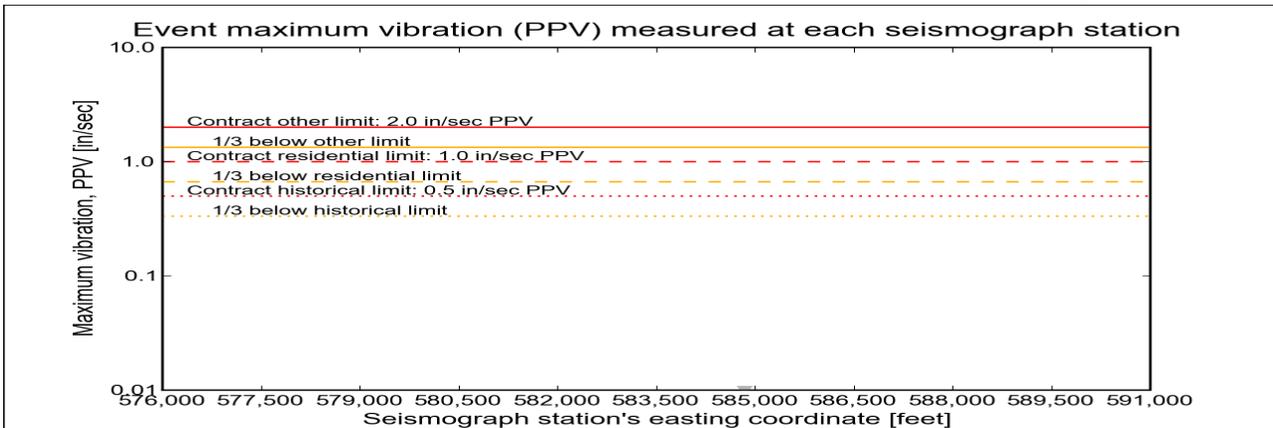
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Date of reading: Thu 14-Mar-2013



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K-Sea Transportation - e4s006	Thu 14-Mar-2013	03:17:38	0.005	Ambient



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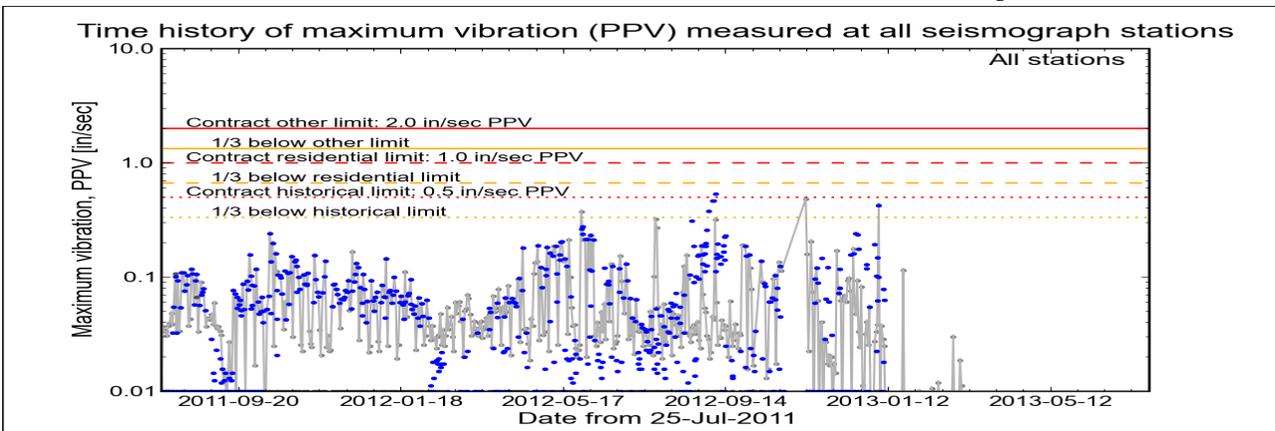
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Date and time of last reading: Fri 15-Mar-2013 18:47:37



(Click on graph or here for larger view)

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Ambient	Tue 12-Mar-2013	10:17:34	0.0050	K-Sea Transportation
Ambient	Mon 11-Mar-2013	02:17:53	0.0050	K-Sea Transportation
Ambient	Sun 10-Mar-2013	00:02:36	0.0063	K-Sea Transportation



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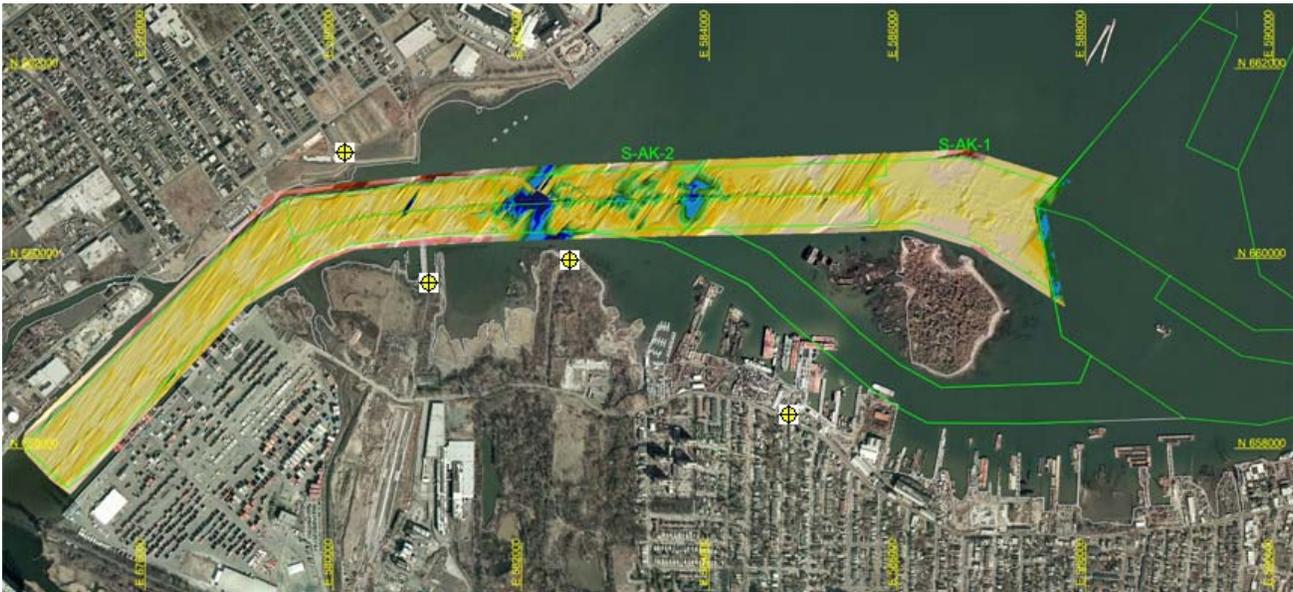
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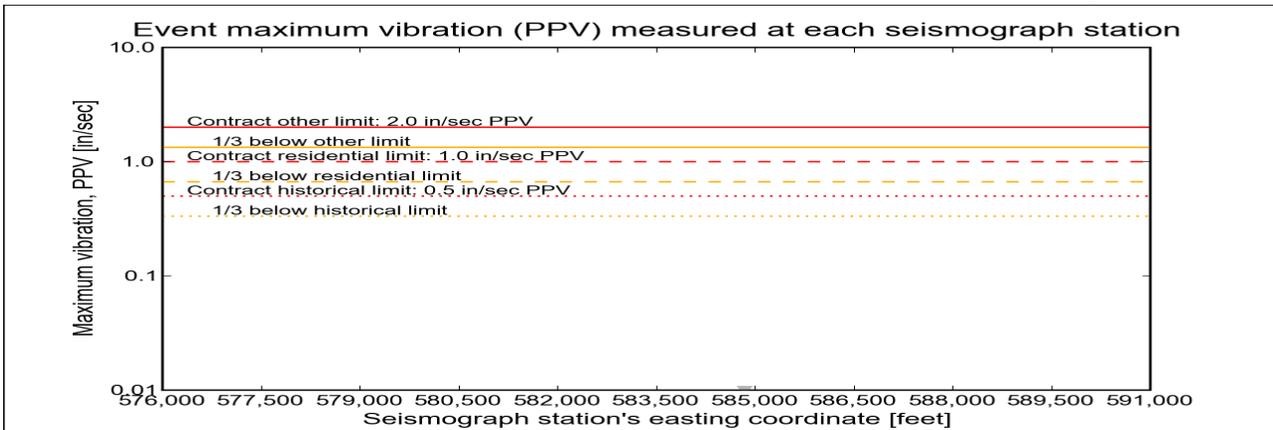
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Date of reading: Fri 15-Mar-2013



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

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Station	Date	Time	Max PPV (in / second)	Vibration Type
K-Sea Transportation - e4s006	Fri 15-Mar-2013	18:47:37	0.00875	Ambient





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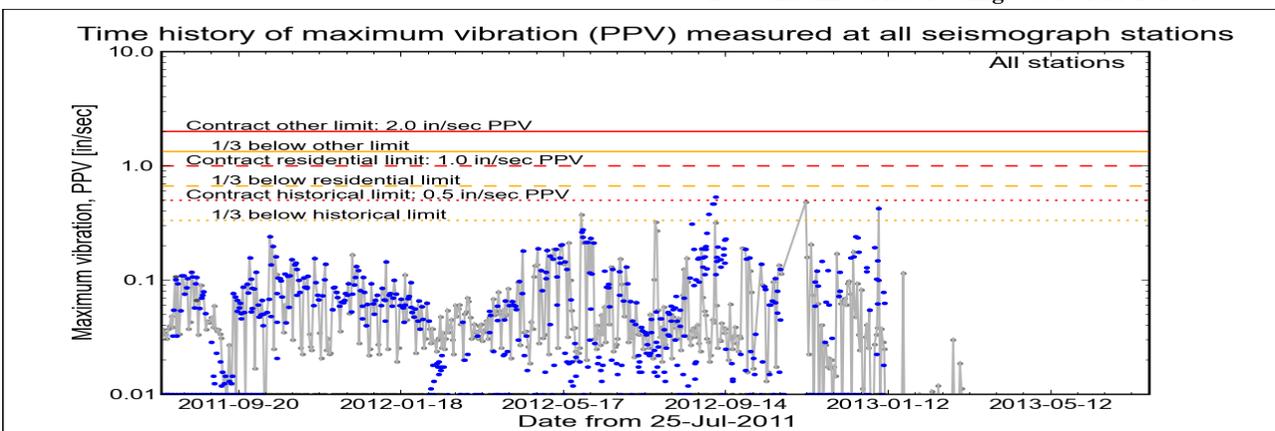
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Date and time of last reading: Sat 16-Mar-2013 13:47:34



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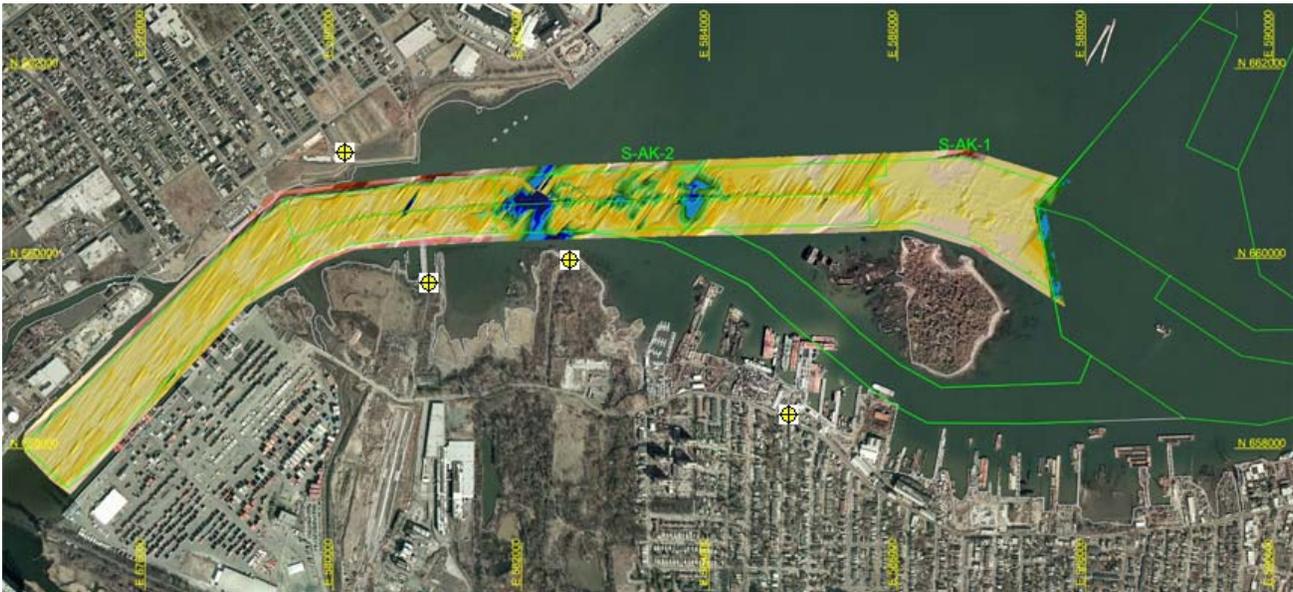
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This page summarizes measurements of ground vibrations for the selected event. This page displays the maximum vibration recorded at each and every seismograph station during this event.

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.

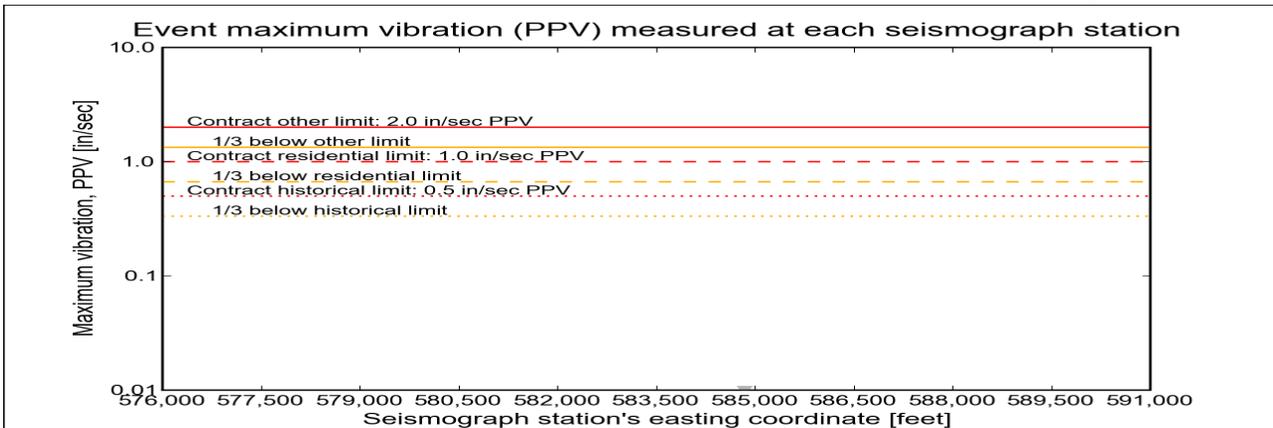
Click station for more information about the station.



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 16-Mar-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
K-Sea Transportation - e4s006	Sat 16-Mar-2013	13:47:34	0.00625	Ambient



Home Event Summary Stations: Dredges History Links

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.

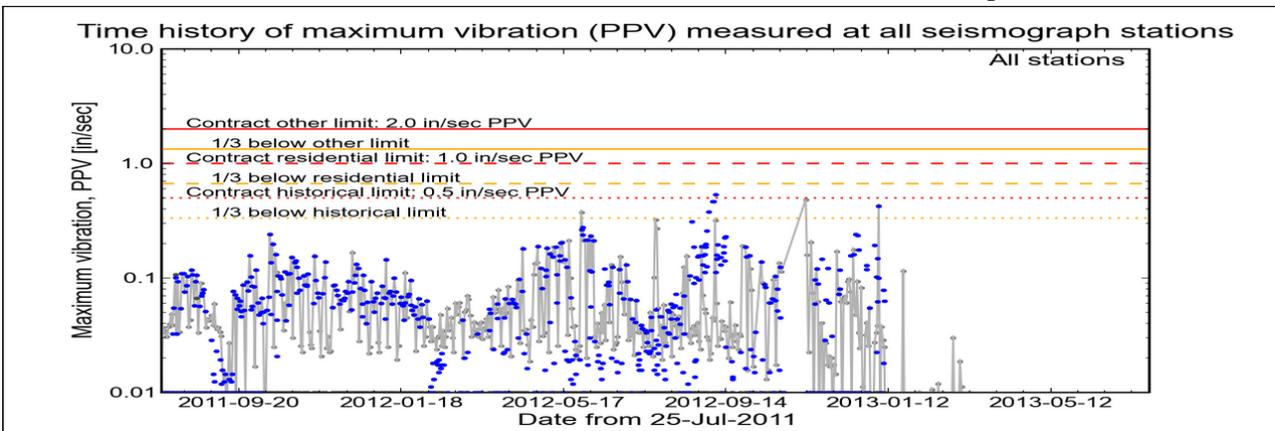
Click station for station information or click channel for event summary.



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 17-Mar-2013 00:17:34



(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
Ambient	Sun 17-Mar-2013	00:17:34	0.0063	K-Sea Transportation
Ambient	Sat 16-Mar-2013	13:47:34	0.0063	K-Sea Transportation
Ambient	Fri 15-Mar-2013	18:47:37	0.0088	K-Sea Transportation
Ambient	Thu 14-Mar-2013	03:17:38	0.0050	K-Sea Transportation
Ambient	Wed 13-Mar-2013	18:47:35	0.0056	K-Sea Transportation
Ambient	Tue 12-Mar-2013	10:17:34	0.0050	K-Sea Transportation



**US Army Corps
of Engineers®**
New York District

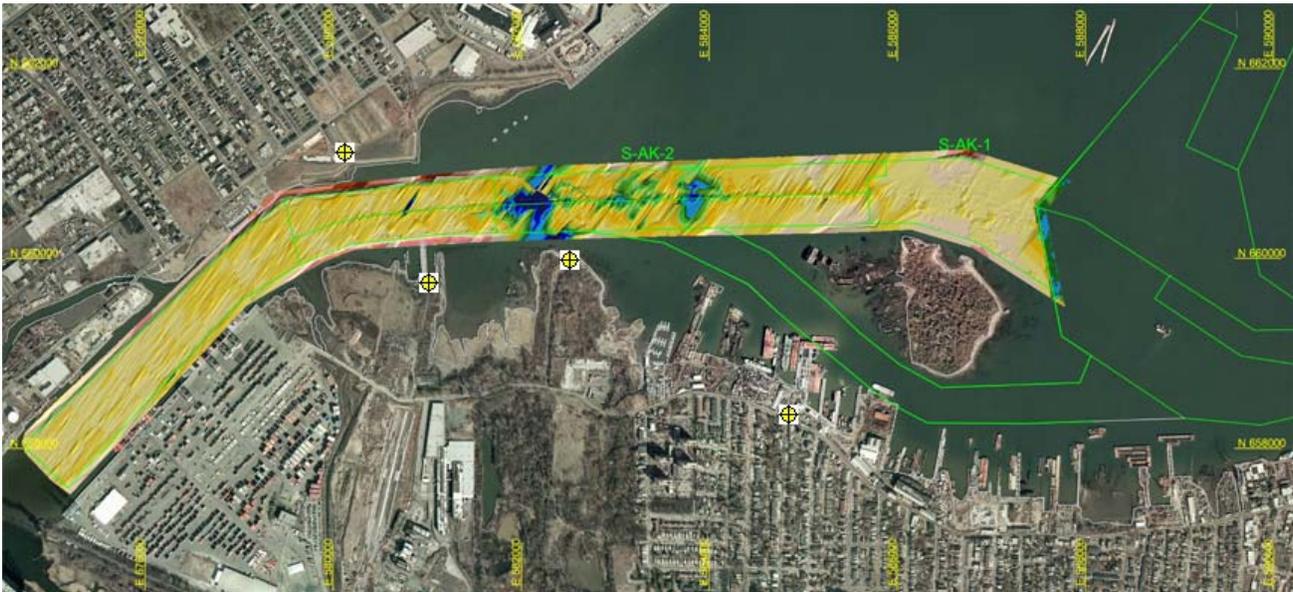
[Home](#) [Event Summary](#) [Stations:](#) [Dredges](#) [History](#) [Links](#)

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.

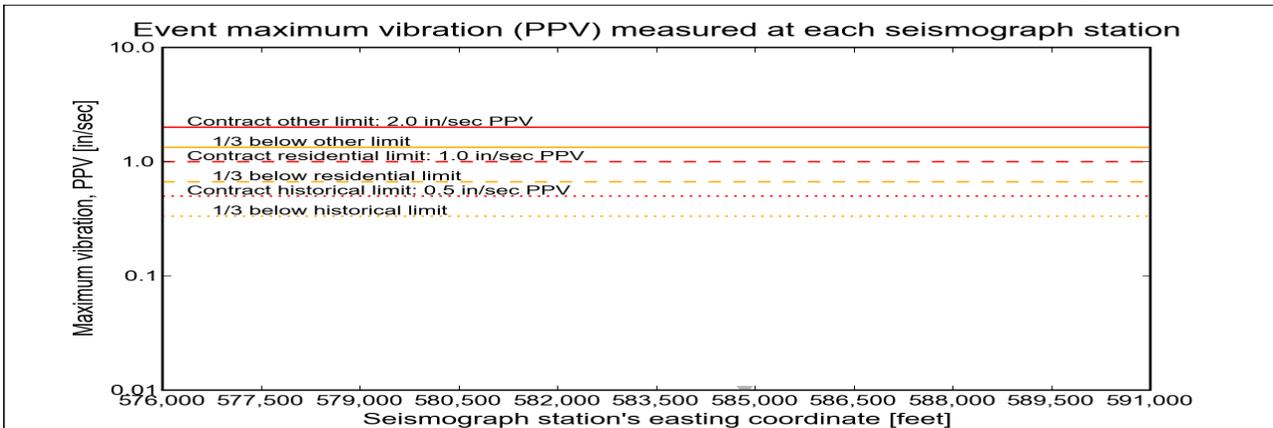
Click station for more information about the station.



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 17-Mar-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
K-Sea Transportation - e4s006	Sun 17-Mar-2013	00:17:34	0.00625	Ambient