



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 18 – March 24, 2013

The following pages display the results from the USACE-NYD real-time website for the week of Monday, March 18 through Sunday, March 24, 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 24.

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 18  
March 19  
March 20  
March 21  
March 22  
March 23  
March 24

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.



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.

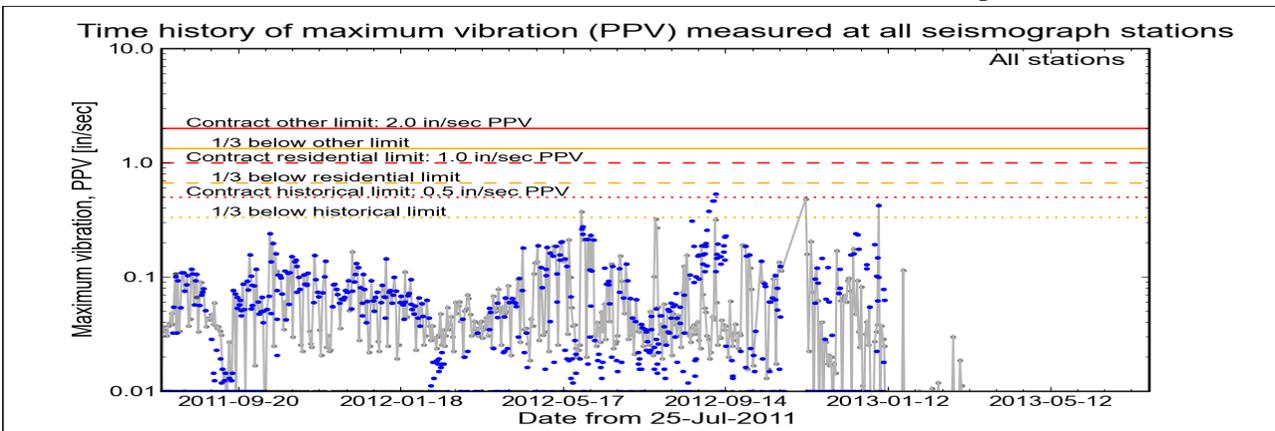
*Click station for station information or click channel for event summary.*



### 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: Mon 18-Mar-2013 21:17:34**



(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
<a href="#">Ambient</a>	<a href="#">Mon 18-Mar-2013</a>	21:17:34	0.0075	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Sun 17-Mar-2013</a>	00:17:34	0.0063	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Sat 16-Mar-2013</a>	13:47:34	0.0063	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Fri 15-Mar-2013</a>	18:47:37	0.0088	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Thu 14-Mar-2013</a>	03:17:38	0.0050	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Wed 13-Mar-2013</a>	18:47:35	0.0056	<a href="#">K-Sea Transportation</a>



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

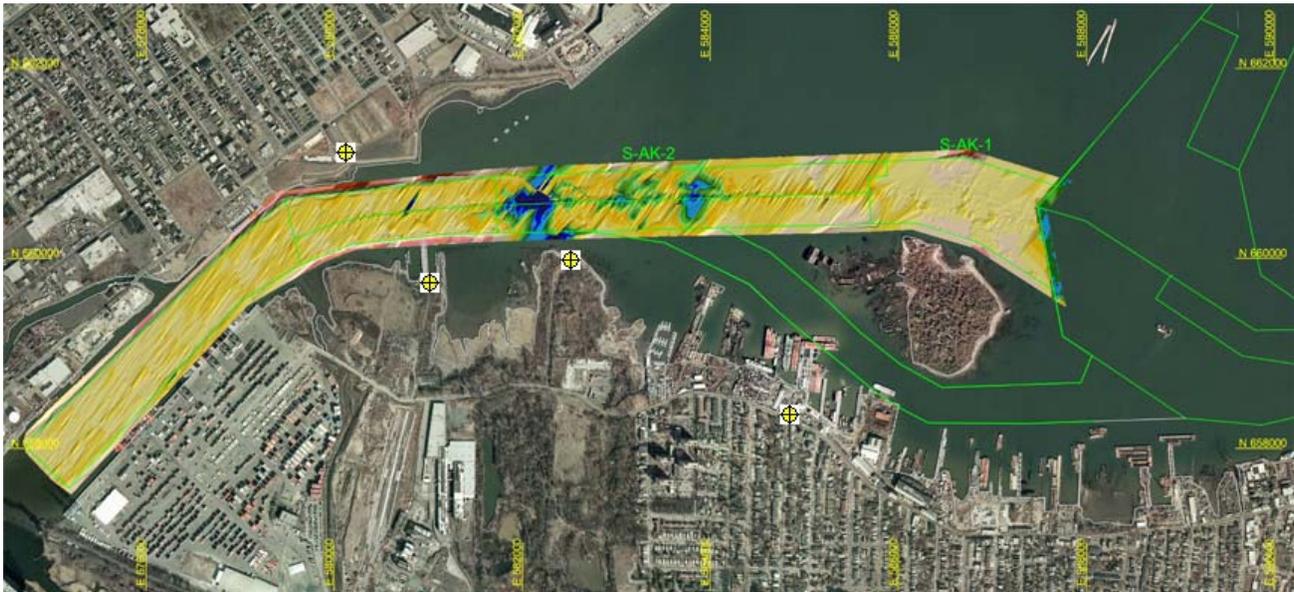
[Home](#)   [Event Summary](#)   [Stations:](#)   [Dredges](#)   [History](#)   [Links](#)

## 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.

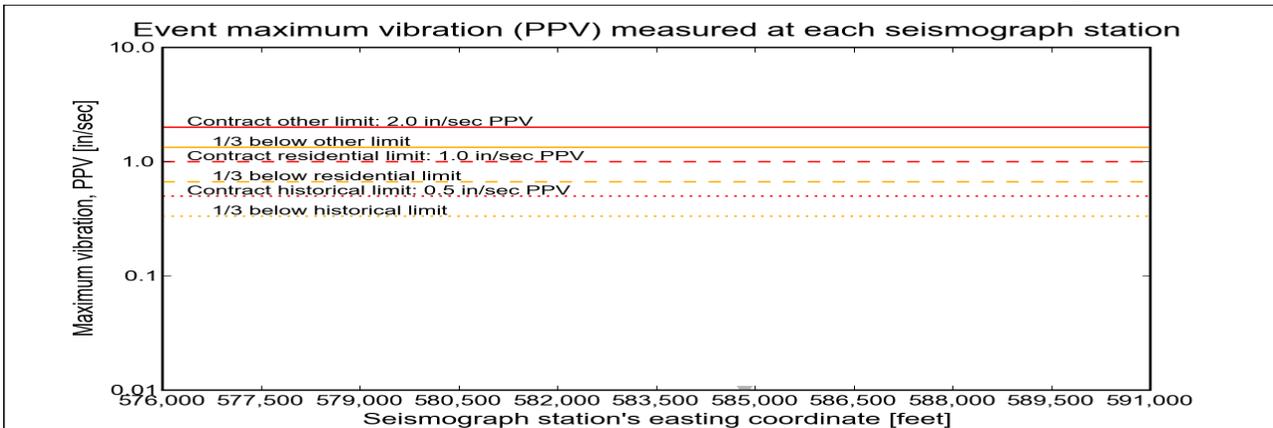
*Click station for more information about the station.*



### 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:** Mon 18-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
<a href="#">K-Sea Transportation - e4s006</a>	Mon 18-Mar-2013	21:17:34	0.0075	<a href="#">Ambient</a>



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.

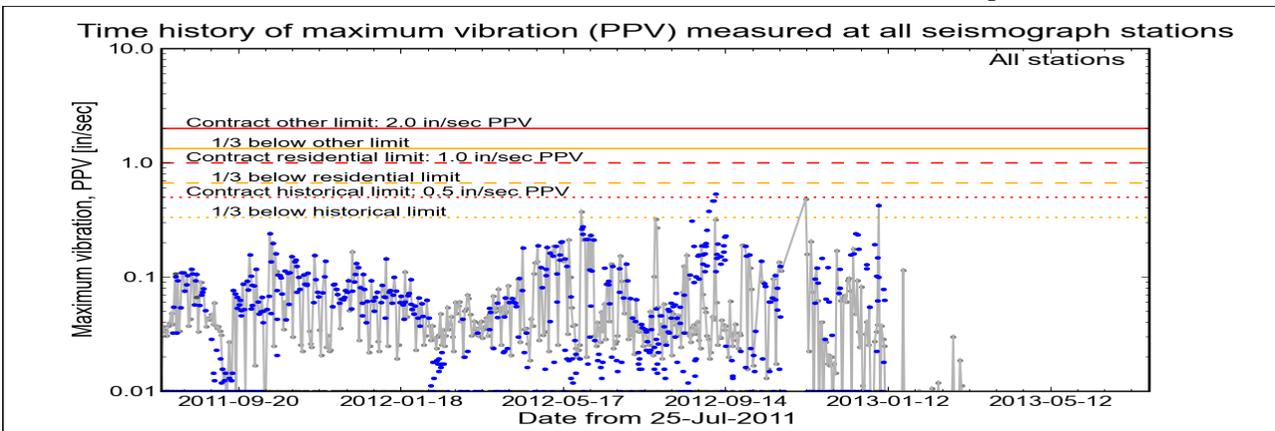
*Click station for station information or click channel for event summary.*



### 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: Tue 19-Mar-2013 04:32:37**



(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 19-Mar-2013</a>	04:32:37	0.0069	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Mon 18-Mar-2013</a>	21:17:34	0.0075	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Sun 17-Mar-2013</a>	00:17:34	0.0063	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Sat 16-Mar-2013</a>	13:47:34	0.0063	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Fri 15-Mar-2013</a>	18:47:37	0.0088	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Thu 14-Mar-2013</a>	03:17:38	0.0050	<a href="#">K-Sea Transportation</a>



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

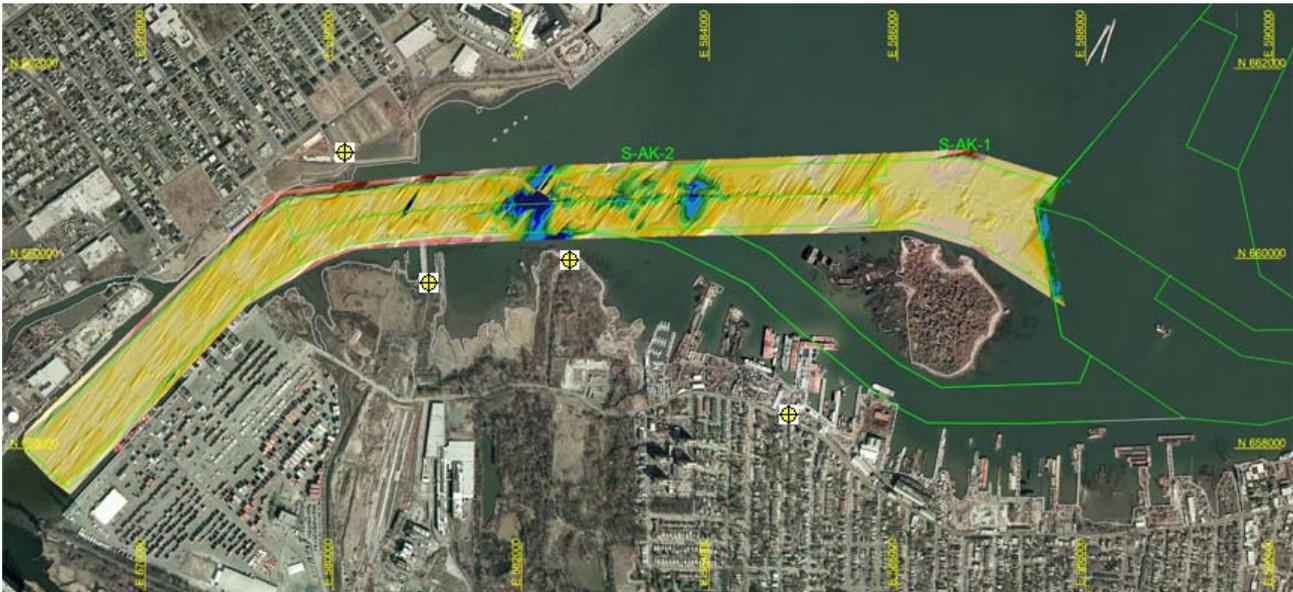
[Home](#)   [Event Summary](#)   [Stations:](#)   [Dredges](#)   [History](#)   [Links](#)

## 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.

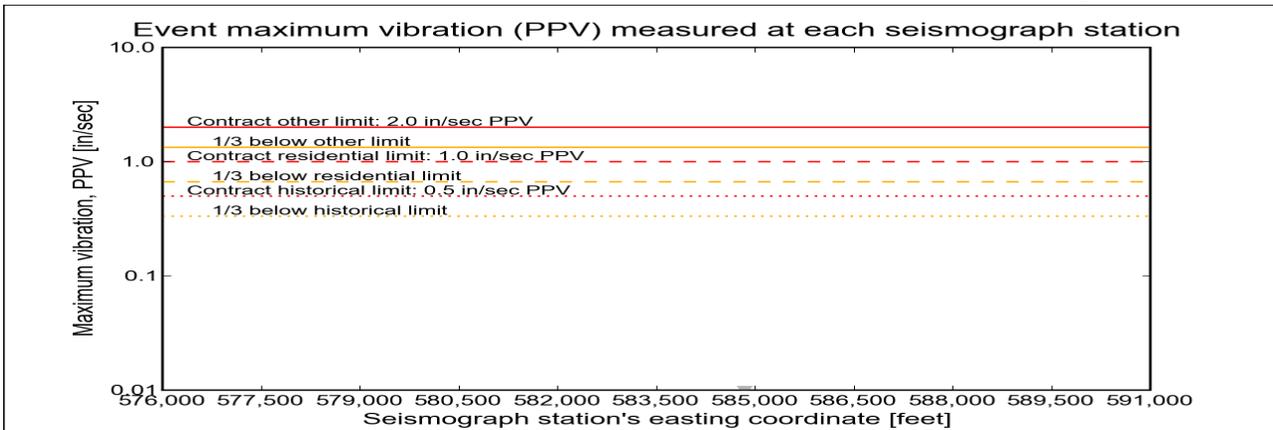
*Click station for more information about the station.*



### 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:** Tue 19-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
<a href="#">K-Sea Transportation - e4s006</a>	Tue 19-Mar-2013	04:32:37	0.00687	<a href="#">Ambient</a>



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

[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.

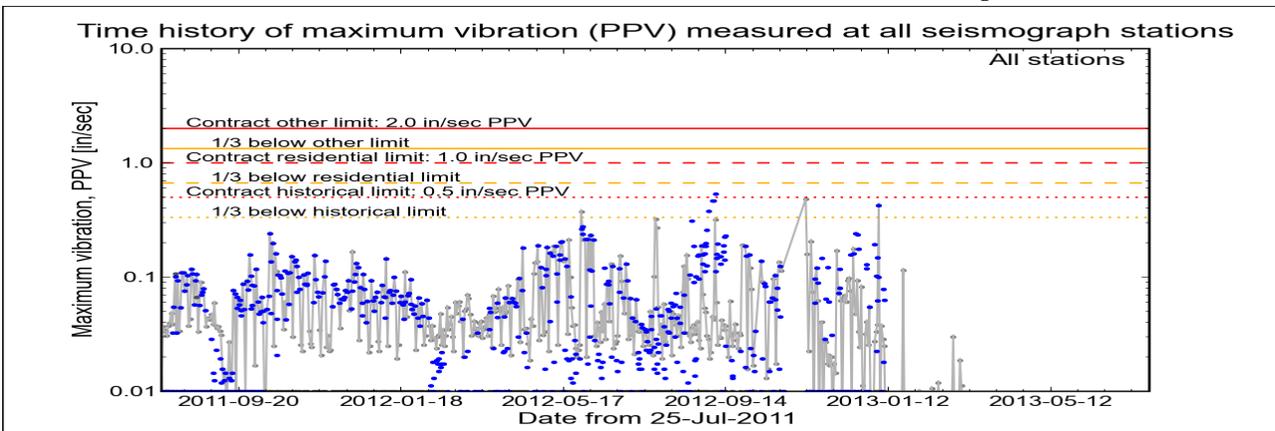
*Click station for station information or click channel for event summary.*



### 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: Wed 20-Mar-2013 09:05:21**



(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="#">Wed 20-Mar-2013</a>	09:05:21	0.0050	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Tue 19-Mar-2013</a>	04:32:37	0.0069	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Mon 18-Mar-2013</a>	21:17:34	0.0075	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Sun 17-Mar-2013</a>	00:17:34	0.0063	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Sat 16-Mar-2013</a>	13:47:34	0.0063	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Fri 15-Mar-2013</a>	18:47:37	0.0088	<a href="#">K-Sea Transportation</a>



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

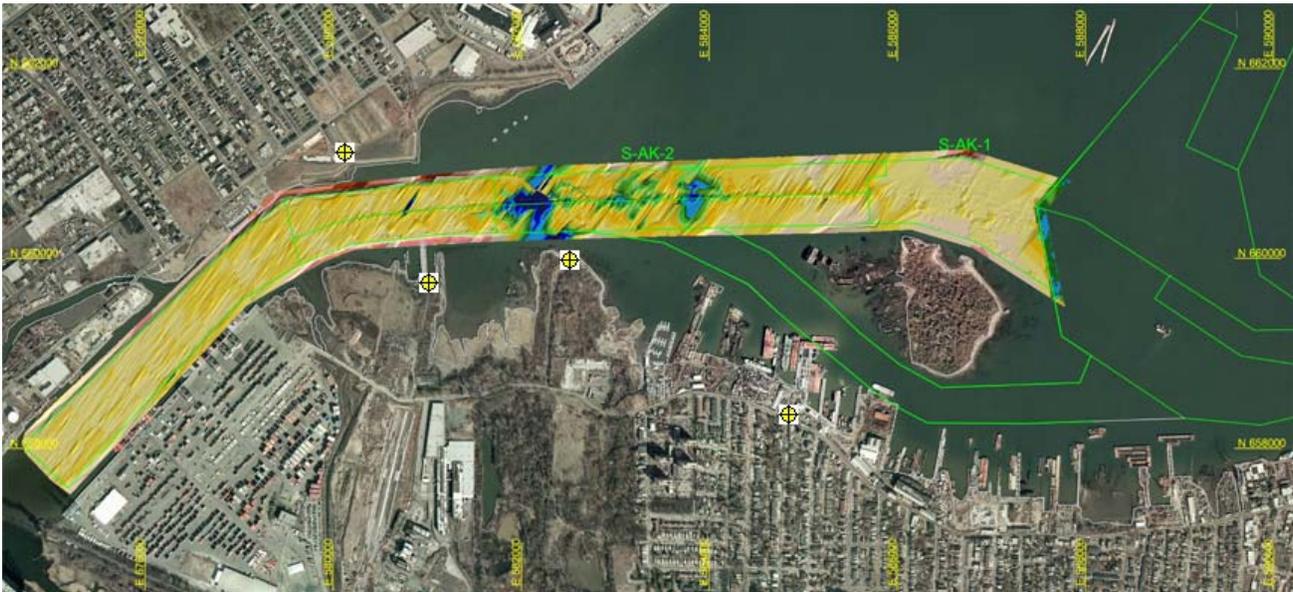
[Home](#)   [Event Summary](#)   [Stations:](#)   [Dredges](#)   [History](#)   [Links](#)

## 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.

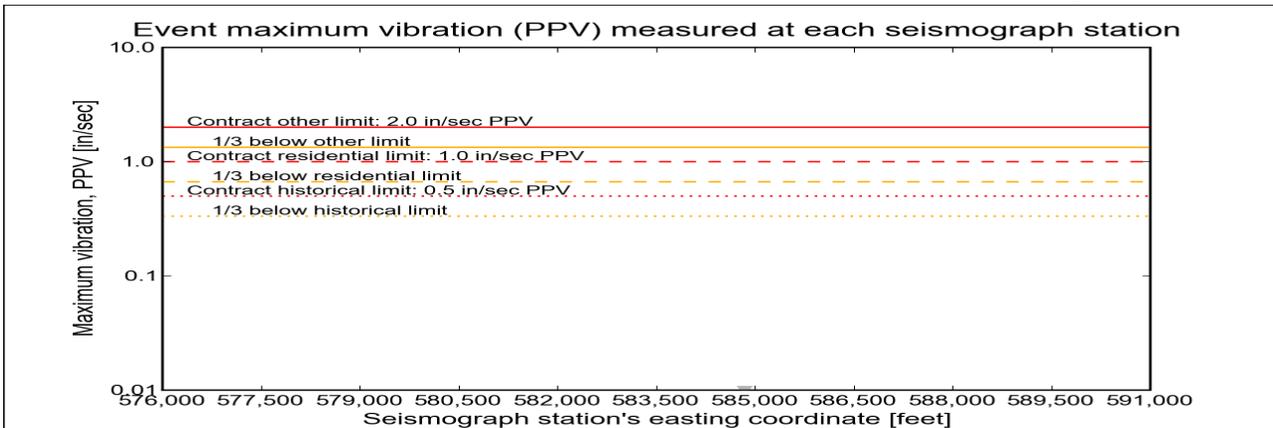
*Click station for more information about the station.*



### 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:** Wed 20-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
<a href="#">K-Sea Transportation - e4s006</a>	Wed 20-Mar-2013	09:05:21	0.005	<a href="#">Ambient</a>



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.

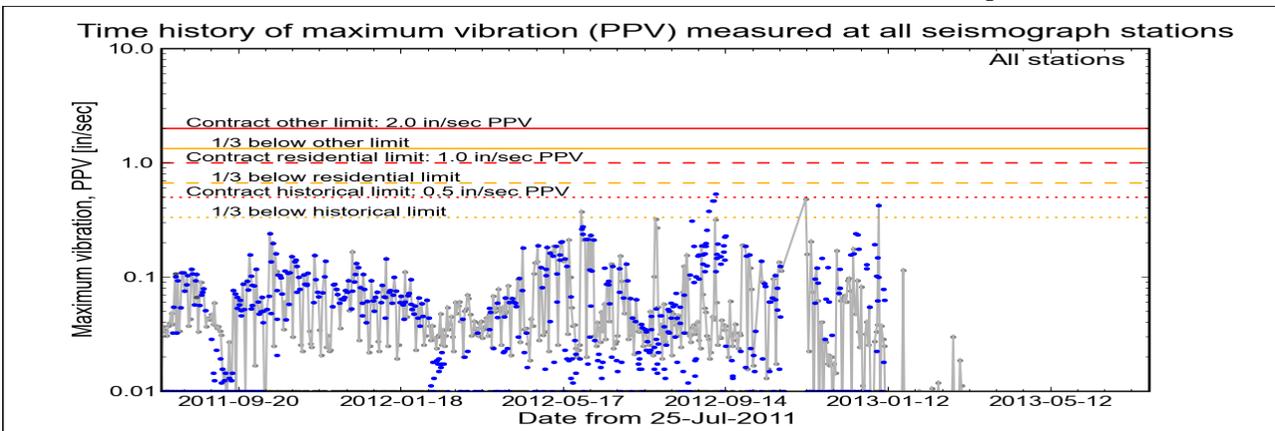
*Click station for station information or click channel for event summary.*



### 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:** Thu 21-Mar-2013 16:17:34



(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
<a href="#">Ambient</a>	<a href="#">Thu 21-Mar-2013</a>	16:17:34	0.0081	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Wed 20-Mar-2013</a>	09:05:21	0.0050	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Tue 19-Mar-2013</a>	04:32:37	0.0069	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Mon 18-Mar-2013</a>	21:17:34	0.0075	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Sun 17-Mar-2013</a>	00:17:34	0.0063	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Sat 16-Mar-2013</a>	13:47:34	0.0063	<a href="#">K-Sea Transportation</a>



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

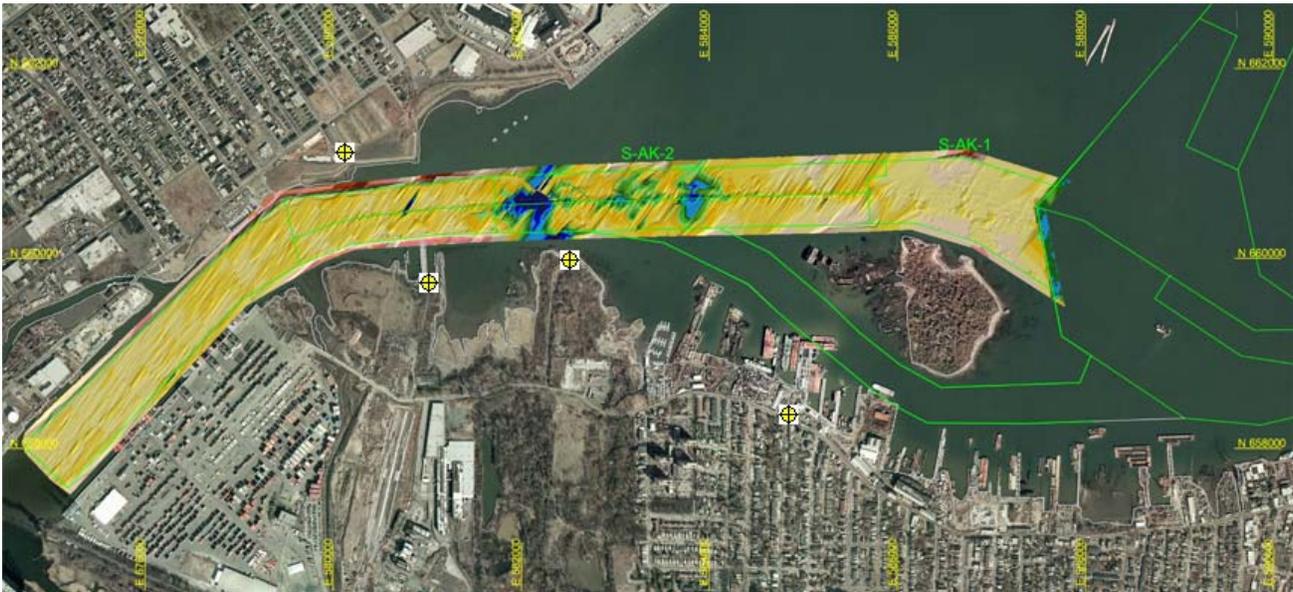
[Home](#)   [Event Summary](#)   [Stations:](#)   [Dredges](#)   [History](#)   [Links](#)

## 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.

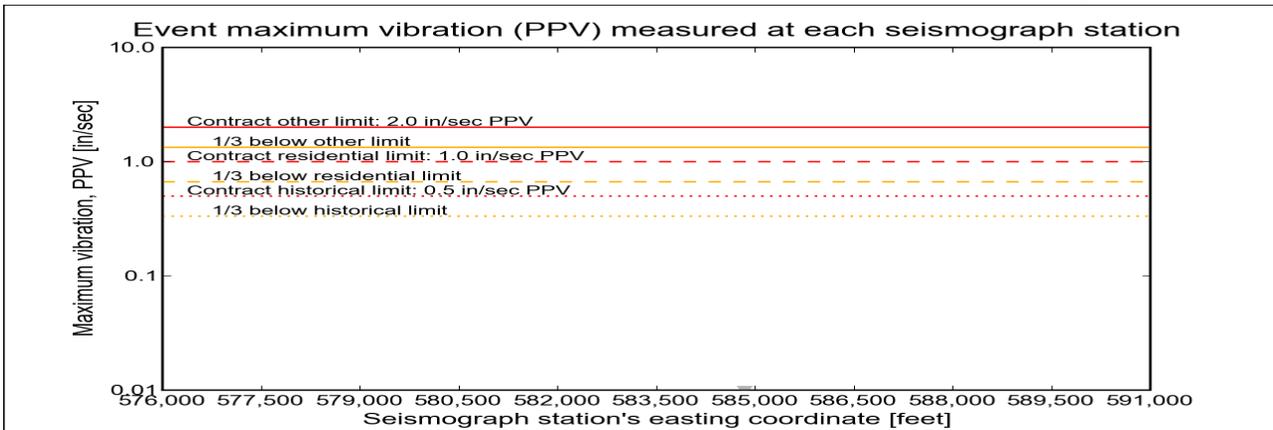
*Click station for more information about the station.*



### 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:** Thu 21-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
<a href="#">K-Sea Transportation - e4s006</a>	Thu 21-Mar-2013	16:17:34	0.00812	<a href="#">Ambient</a>



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.

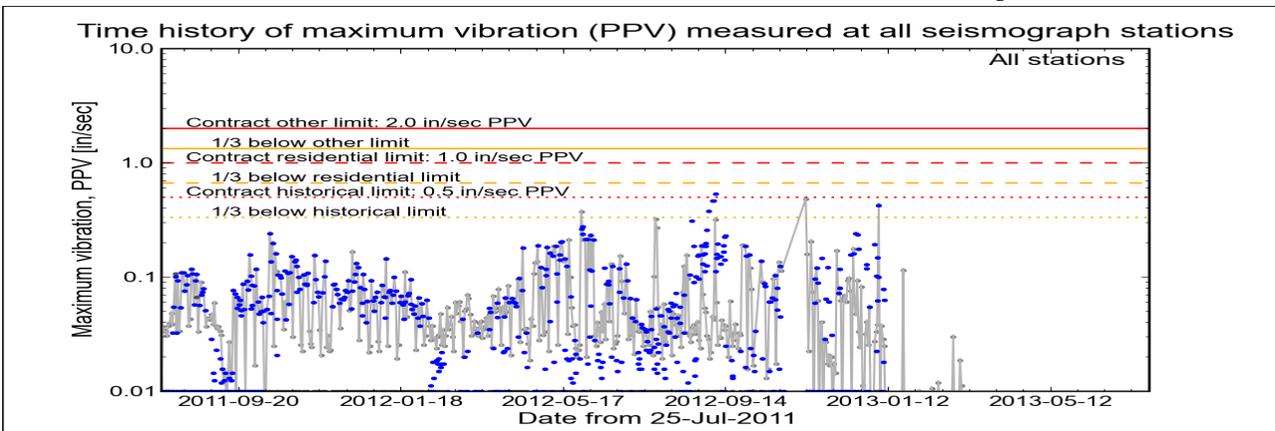
*Click station for station information or click channel for event summary.*



### 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: Fri 22-Mar-2013 13:47:34



(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="#">Fri 22-Mar-2013</a>	13:47:34	0.0088	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Thu 21-Mar-2013</a>	16:17:34	0.0081	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Wed 20-Mar-2013</a>	09:05:21	0.0050	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Tue 19-Mar-2013</a>	04:32:37	0.0069	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Mon 18-Mar-2013</a>	21:17:34	0.0075	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Sun 17-Mar-2013</a>	00:17:34	0.0063	<a href="#">K-Sea Transportation</a>



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

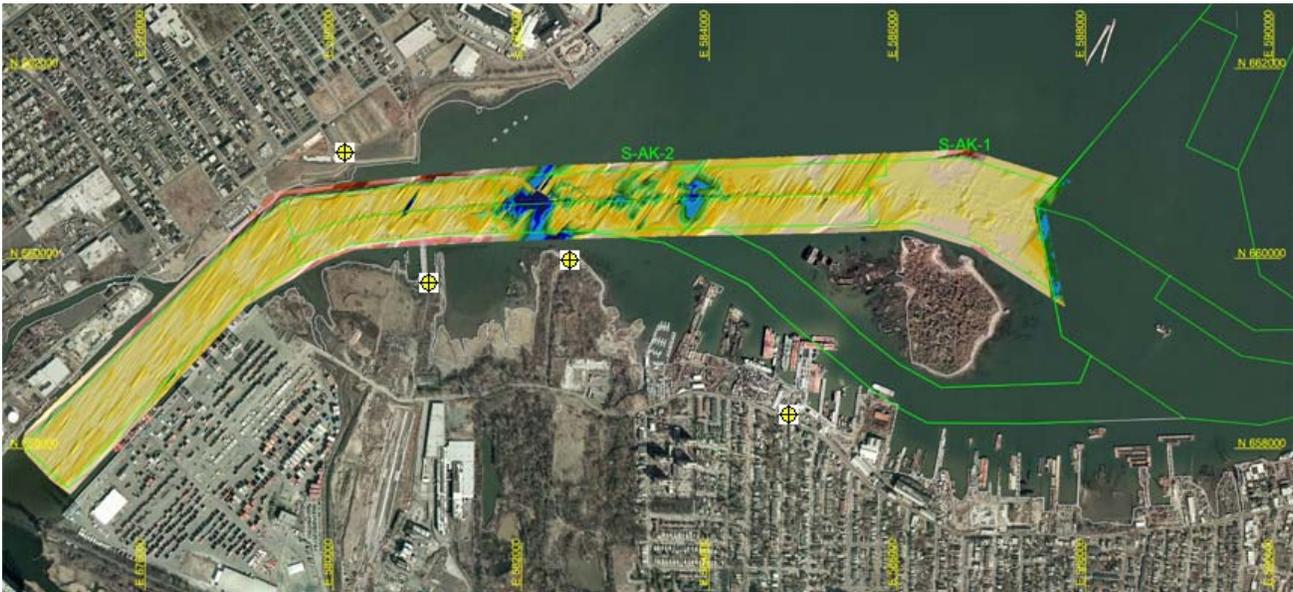
[Home](#)   [Event Summary](#)   [Stations:](#)   [Dredges](#)   [History](#)   [Links](#)

## 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.

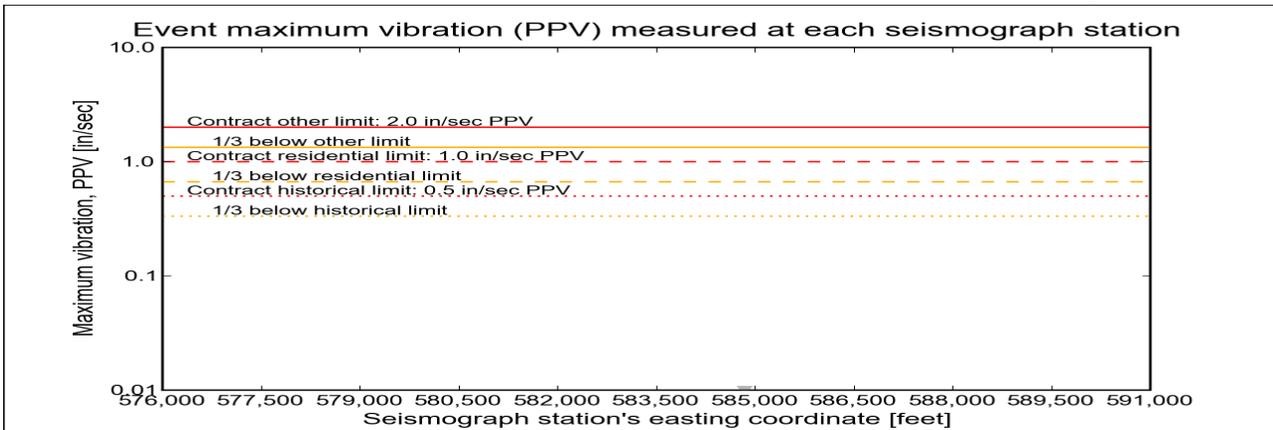
*Click station for more information about the station.*



### 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:** Fri 22-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
<a href="#">K-Sea Transportation - e4s006</a>	<a href="#">Fri 22-Mar-2013</a>	13:47:34	0.00875	<a href="#">Ambient</a>



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.

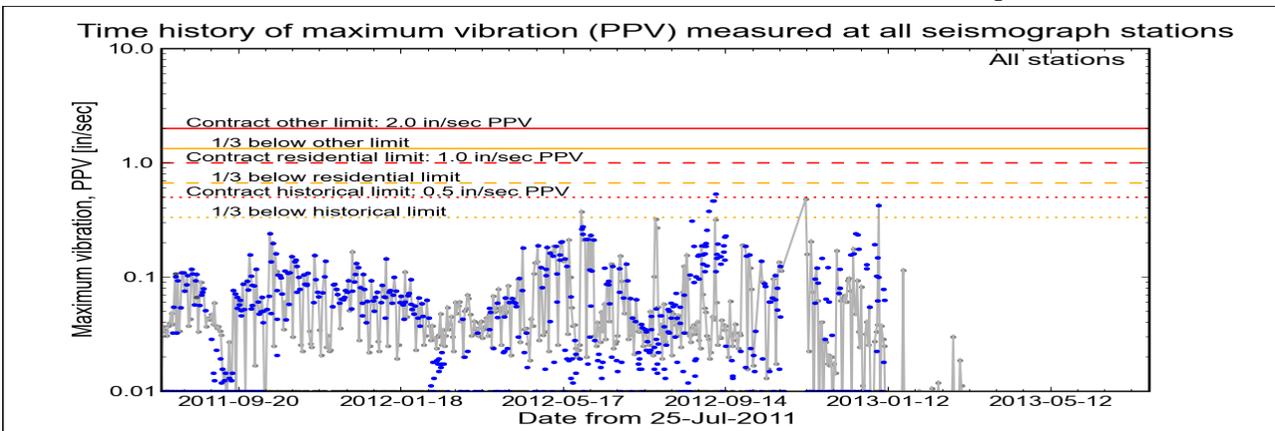
*Click station for station information or click channel for event summary.*



### 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:** Sat 23-Mar-2013 11:47:33



*(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 23-Mar-2013</a>	11:47:33	0.0056	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Fri 22-Mar-2013</a>	13:47:34	0.0088	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Thu 21-Mar-2013</a>	16:17:34	0.0081	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Wed 20-Mar-2013</a>	09:05:21	0.0050	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Tue 19-Mar-2013</a>	04:32:37	0.0069	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Mon 18-Mar-2013</a>	21:17:34	0.0075	<a href="#">K-Sea Transportation</a>



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

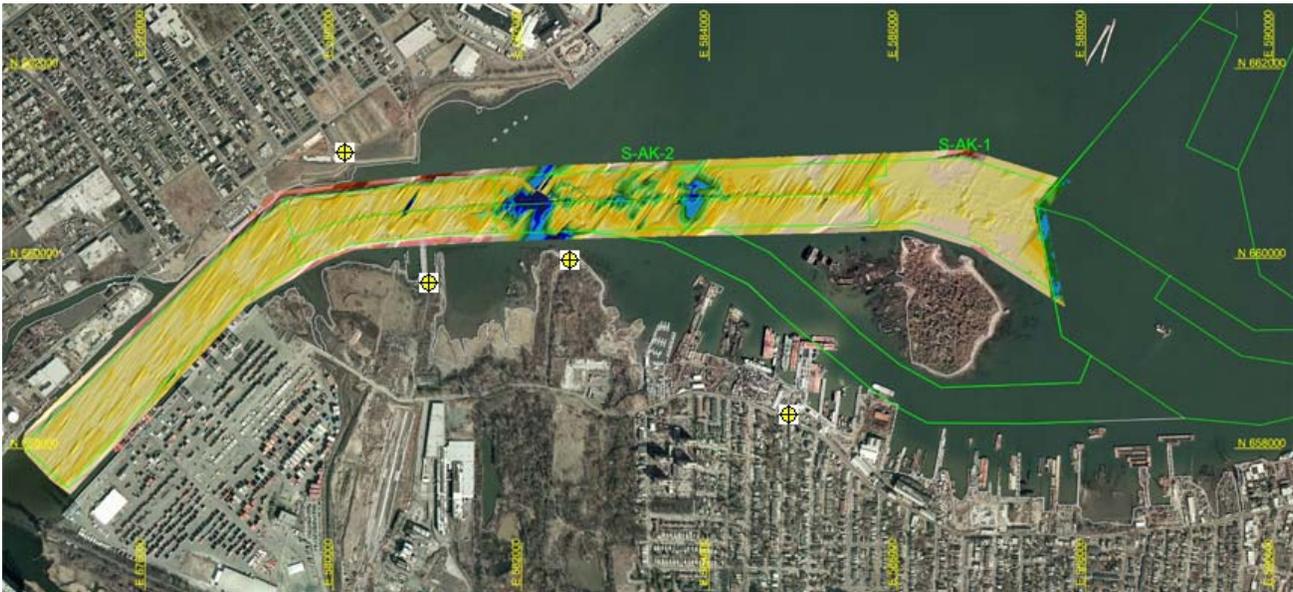
[Home](#)   [Event Summary](#)   [Stations:](#)   [Dredges](#)   [History](#)   [Links](#)

## 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.

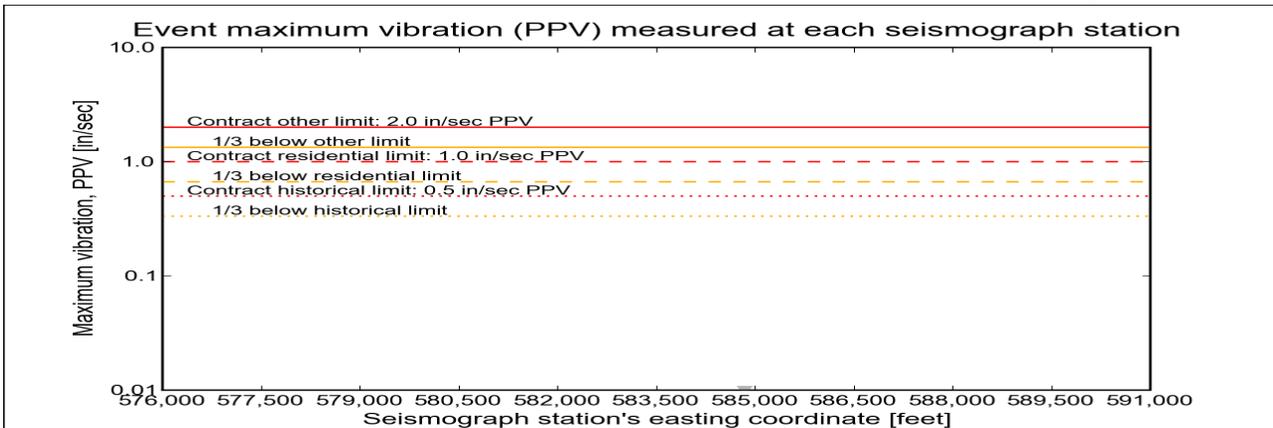
*Click station for more information about the station.*



### 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:** Sat 23-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
<a href="#">K-Sea Transportation - e4s006</a>	Sat 23-Mar-2013	11:47:33	0.00562	<a href="#">Ambient</a>



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.

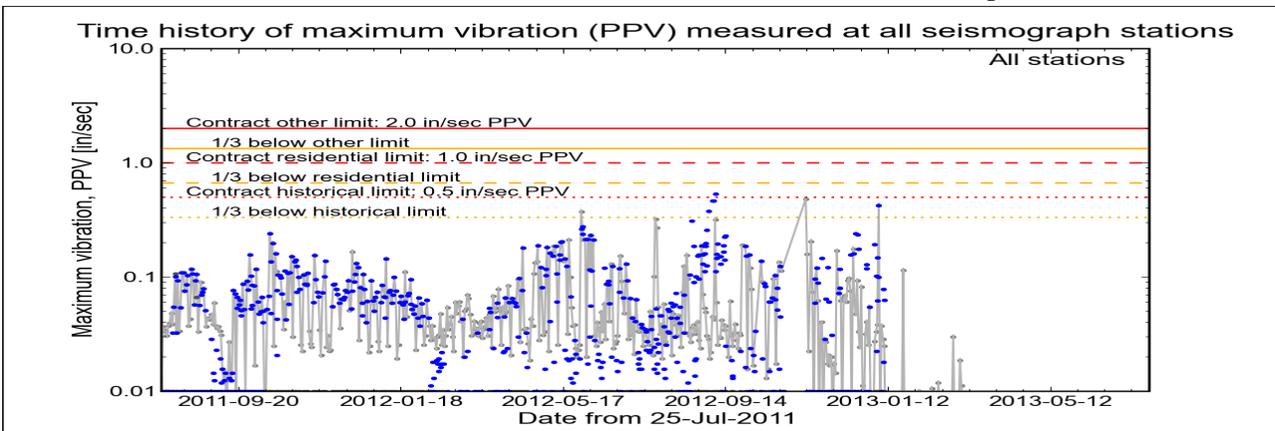
*Click station for station information or click channel for event summary.*



### 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 24-Mar-2013 10:47:33**



*(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 24-Mar-2013</a>	10:47:33	0.0056	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Sat 23-Mar-2013</a>	11:47:33	0.0056	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Fri 22-Mar-2013</a>	13:47:34	0.0088	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Thu 21-Mar-2013</a>	16:17:34	0.0081	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Wed 20-Mar-2013</a>	09:05:21	0.0050	<a href="#">K-Sea Transportation</a>
<a href="#">Ambient</a>	<a href="#">Tue 19-Mar-2013</a>	04:32:37	0.0069	<a href="#">K-Sea Transportation</a>



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

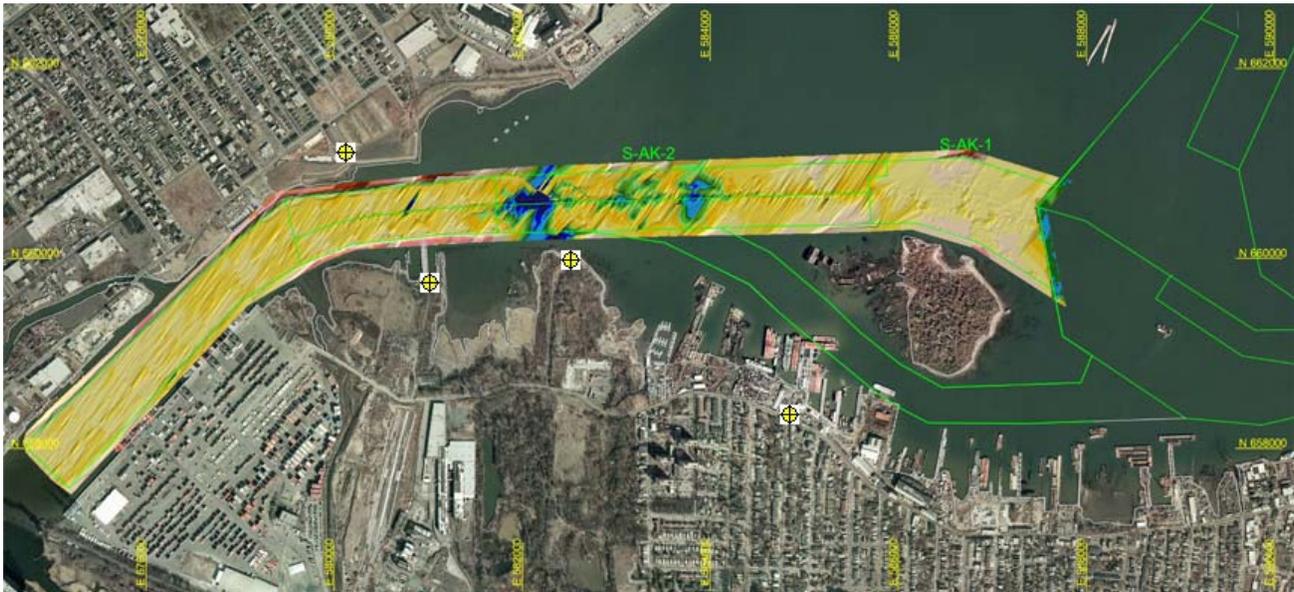
[Home](#)   [Event Summary](#)   [Stations:](#)   [Dredges](#)   [History](#)   [Links](#)

## 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.

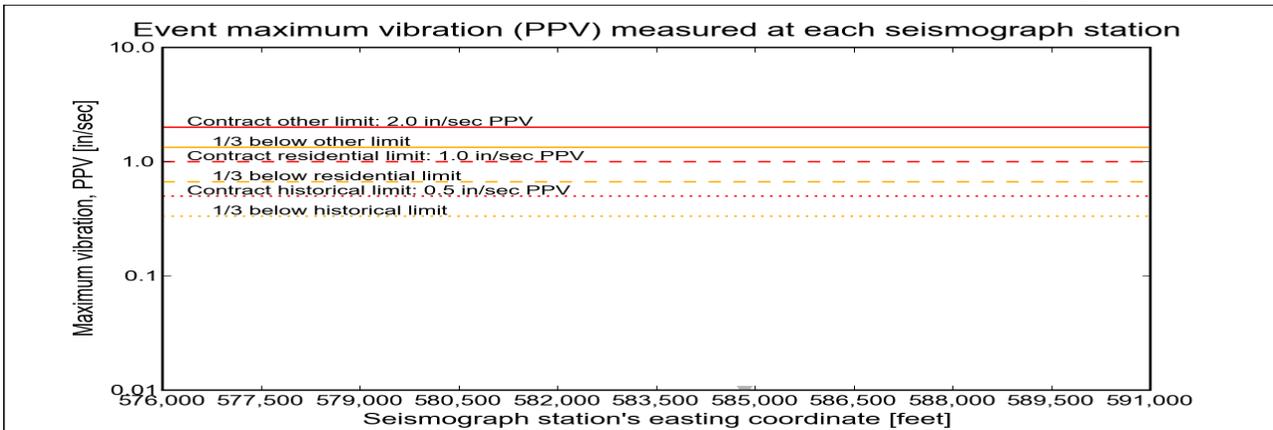
*Click station for more information about the station.*



### 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 24-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
<a href="#">K-Sea Transportation - e4s006</a>	Sun 24-Mar-2013	10:47:33	0.00562	<a href="#">Ambient</a>