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 January 14 – January 20, 2013

The following pages display the results from the USACE-NYD real-time website for the week of Monday, January 14 through Sunday, January 20, 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 vibration recorded was 0.009 in/s recorded at Elizabethport on January 17.

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:

January 14
January 15
January 16
January 17
January 18
January 19
January 20

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 blast vibration measurements are below the contract vibration limits for this site.

US Army Corps of Engineers®
New York District

Arthur Kill Blast Vibration Summary

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

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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.

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Latest Event Summary

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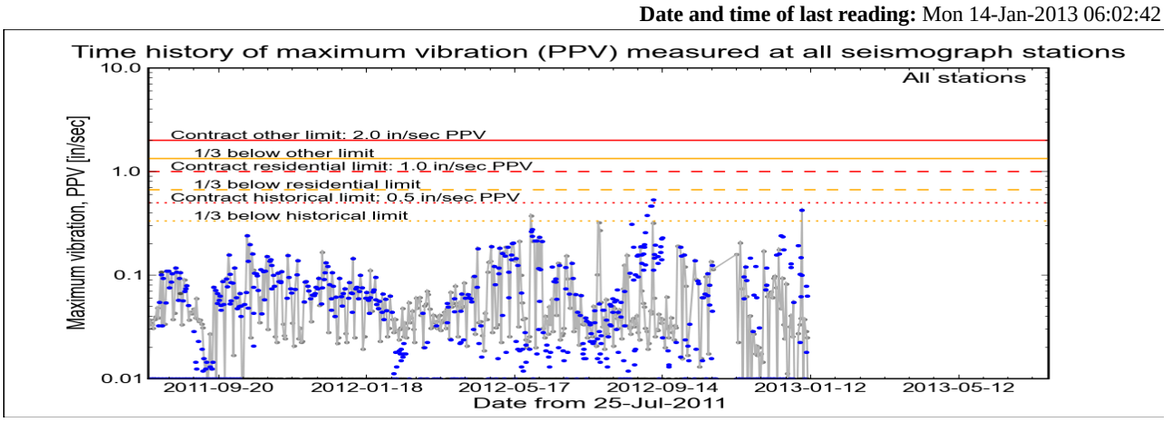
Date and time of last reading: Mon 14-Jan-2013 06:02:42



(Click on graph or here for larger view)

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

Blast ID	Date	Time	Max PPV (in / second)	Max PPV Station
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Ambient	Sun 13-Jan-2013	19:02:36	0.0081	K-Sea Transportation
Ambient	Sat 12-Jan-2013	14:17:35	0.0050	K-Sea Transportation
Ambient	Fri 11-Jan-2013	13:32:32	0.0050	K-Sea Transportation
Ambient	Thu 10-Jan-2013	17:32:35	0.0050	K-Sea Transportation
Blast	Wed 09-Jan-2013	16:32:34	0.0250	K-Sea Transportation

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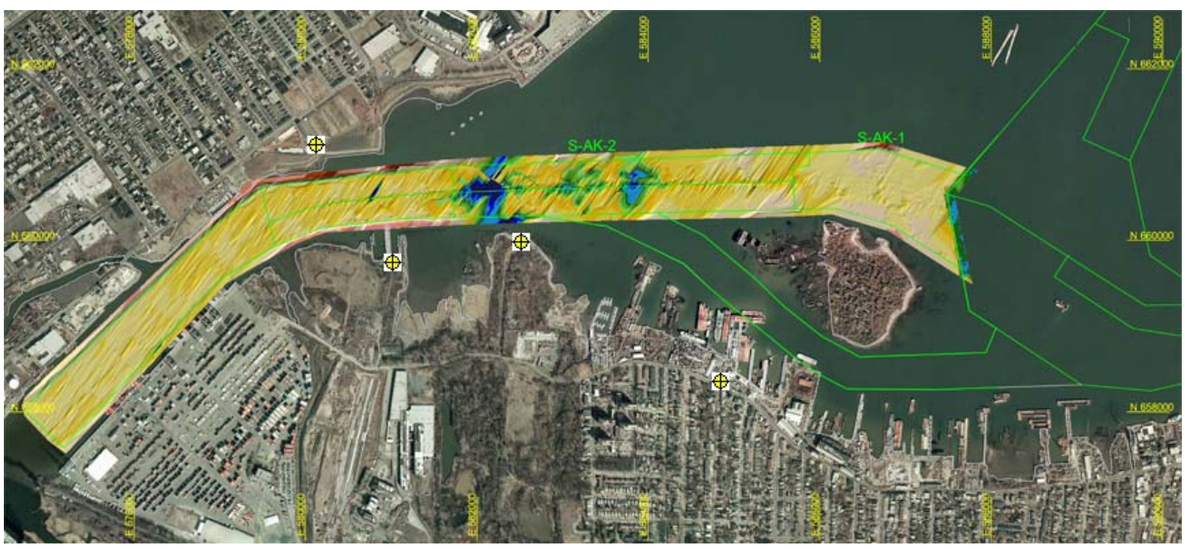

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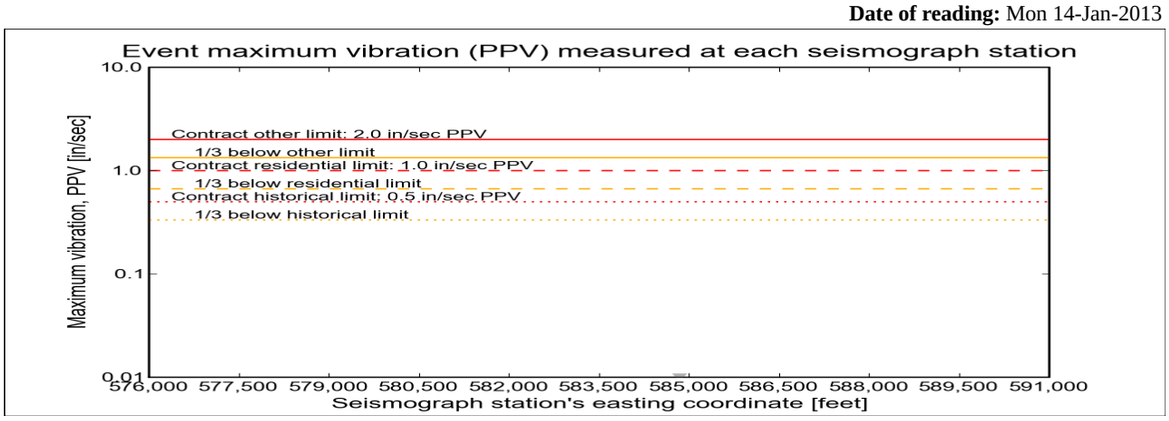
Date of reading: Mon 14-Jan-2013



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

Station	Date	Time	Max PPV (in / second)	Vibration Type
K-Sea Transportation - e4s006	Mon 14-Jan-2013	06:02:42	0.00437	Ambient

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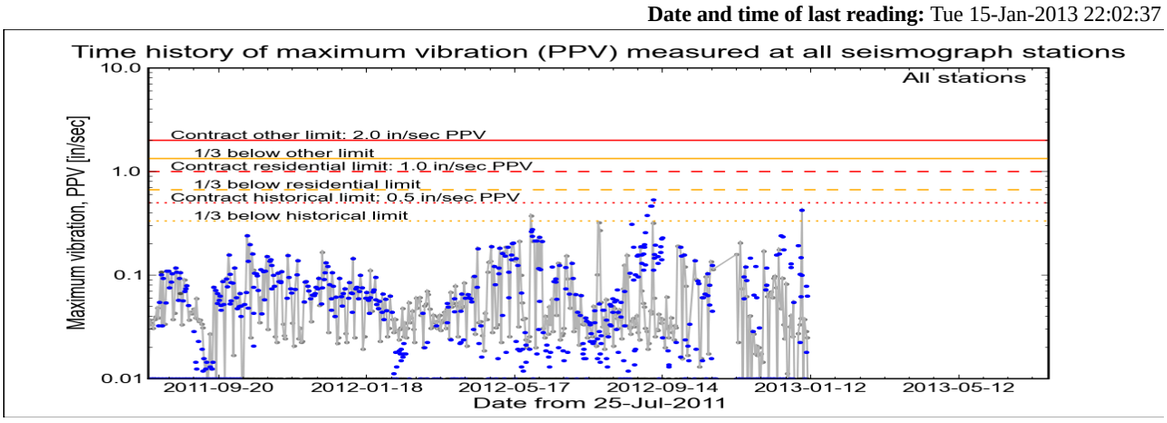
Date and time of last reading: Tue 15-Jan-2013 22:02:37



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Ambient	Mon 14-Jan-2013	06:02:42	0.0044	K-Sea Transportation
Ambient	Sun 13-Jan-2013	19:02:36	0.0081	K-Sea Transportation
Ambient	Sat 12-Jan-2013	14:17:35	0.0050	K-Sea Transportation
Ambient	Fri 11-Jan-2013	13:32:32	0.0050	K-Sea Transportation
Ambient	Thu 10-Jan-2013	17:32:35	0.0050	K-Sea Transportation

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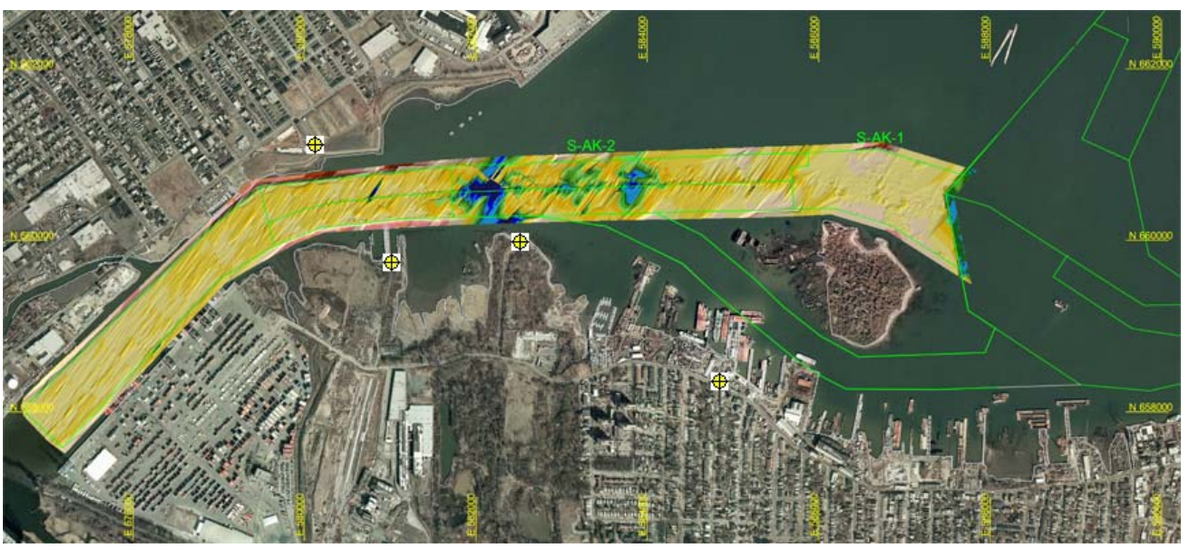

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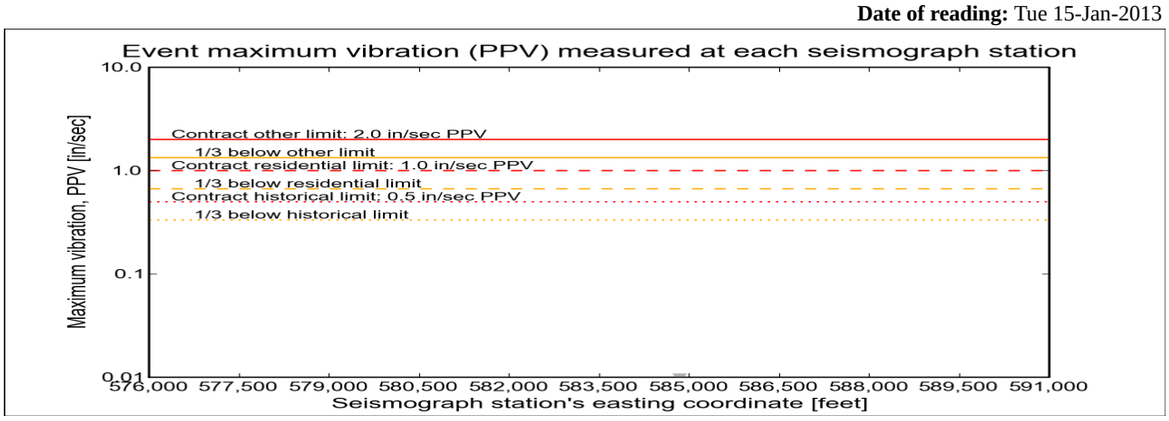

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The table below lists the date, time, and level of the maximum-vibration recording at each station for the selected event.

Station	Date	Time	Max PPV (in / second)	Vibration Type
K-Sea Transportation - e4s006	Tue 15-Jan-2013	22:02:37	0.005	Ambient

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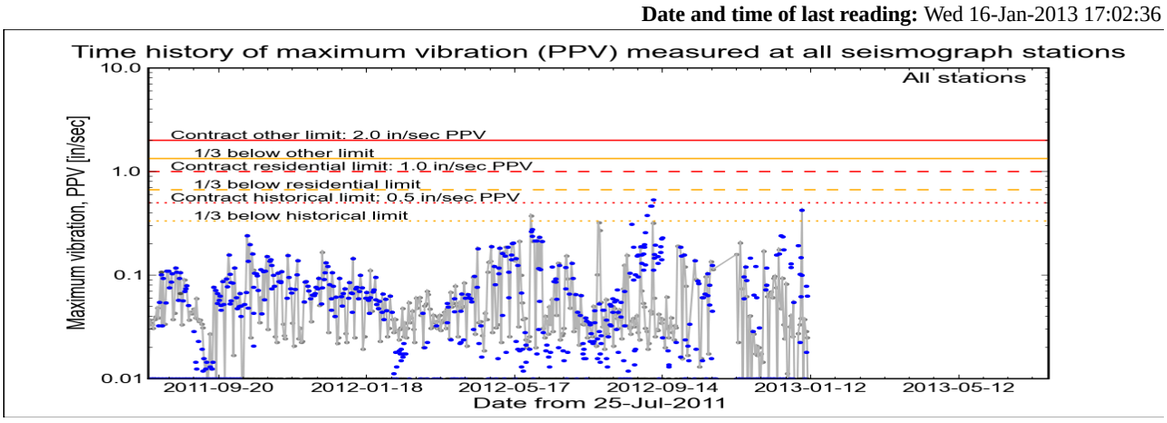
Date and time of last reading: Wed 16-Jan-2013 17:02:36



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Blast ID	Date	Time	Max PPV (in / second)	Max PPV Station
Ambient	Wed 16-Jan-2013	17:02:36	0.0069	K-Sea Transportation
Ambient	Tue 15-Jan-2013	22:02:37	0.0050	K-Sea Transportation
Ambient	Mon 14-Jan-2013	06:02:42	0.0044	K-Sea Transportation
Ambient	Sun 13-Jan-2013	19:02:36	0.0081	K-Sea Transportation
Ambient	Sat 12-Jan-2013	14:17:35	0.0050	K-Sea Transportation
Ambient	Fri 11-Jan-2013	13:32:32	0.0050	K-Sea Transportation

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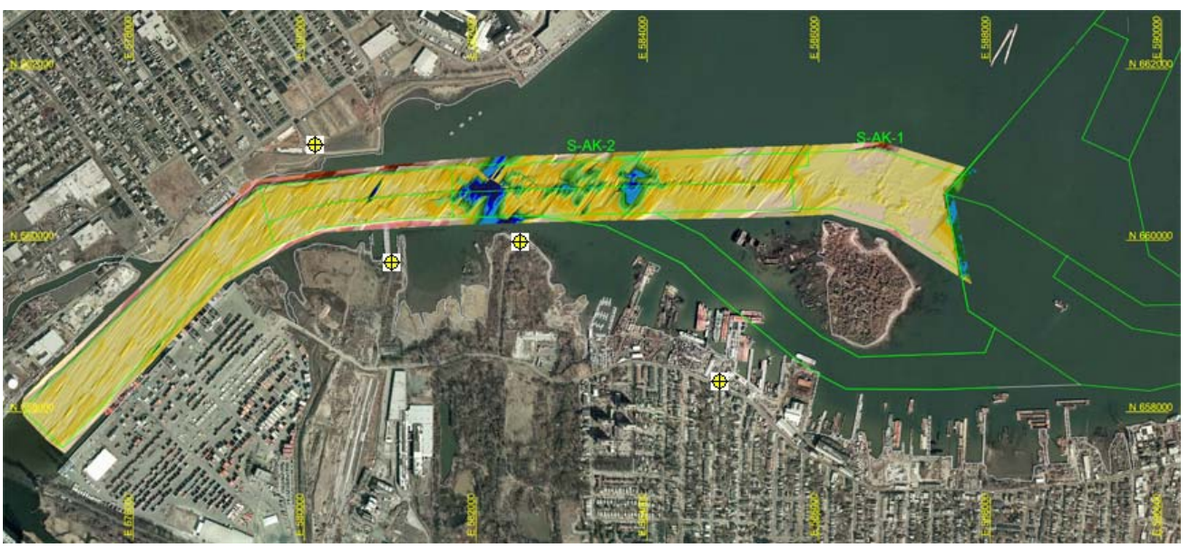

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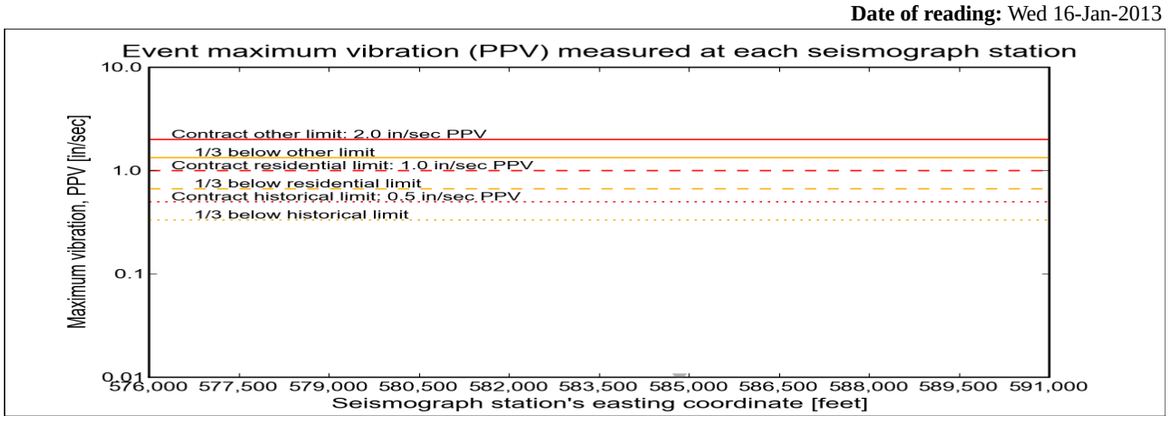
Date of reading: Wed 16-Jan-2013



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Station	Date	Time	Max PPV (in / second)	Vibration Type
K-Sea Transportation - e4s006	Wed 16-Jan-2013	17:02:36	0.00687	Ambient

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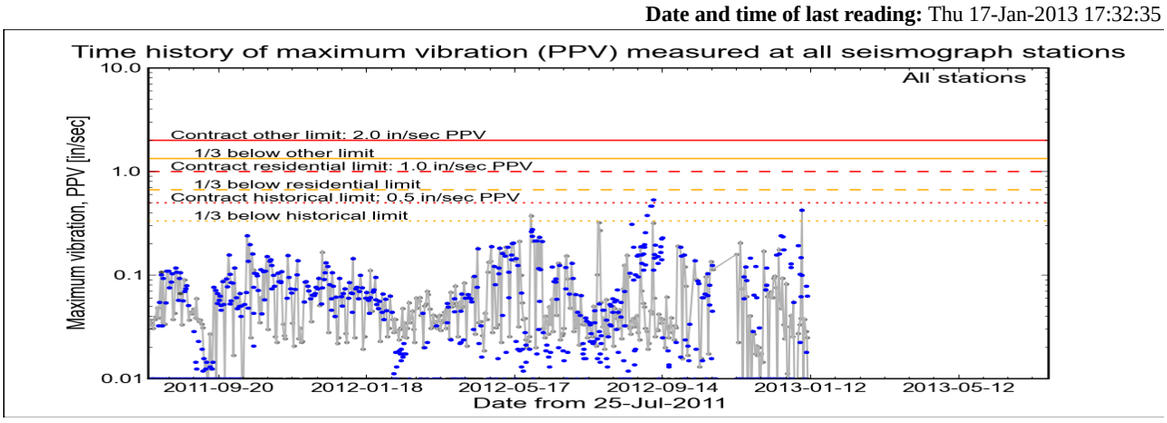
Date and time of last reading: Thu 17-Jan-2013 17:32:35



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Ambient	Thu 17-Jan-2013	17:32:35	0.0094	K-Sea Transportation
Ambient	Wed 16-Jan-2013	17:02:36	0.0069	K-Sea Transportation
Ambient	Tue 15-Jan-2013	22:02:37	0.0050	K-Sea Transportation
Ambient	Mon 14-Jan-2013	06:02:42	0.0044	K-Sea Transportation
Ambient	Sun 13-Jan-2013	19:02:36	0.0081	K-Sea Transportation
Ambient	Sat 12-Jan-2013	14:17:35	0.0050	K-Sea Transportation

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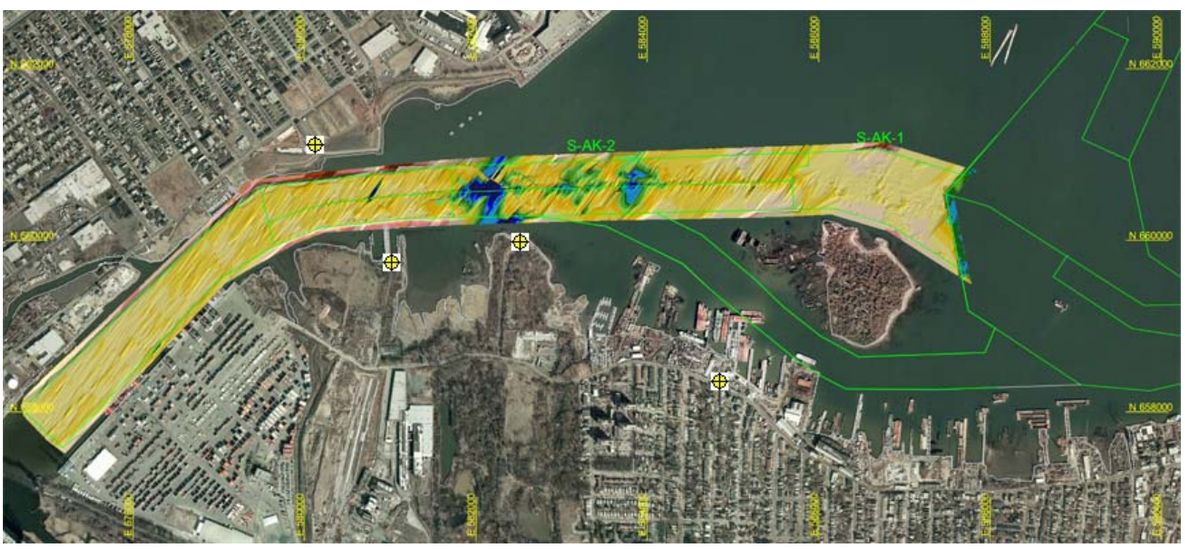

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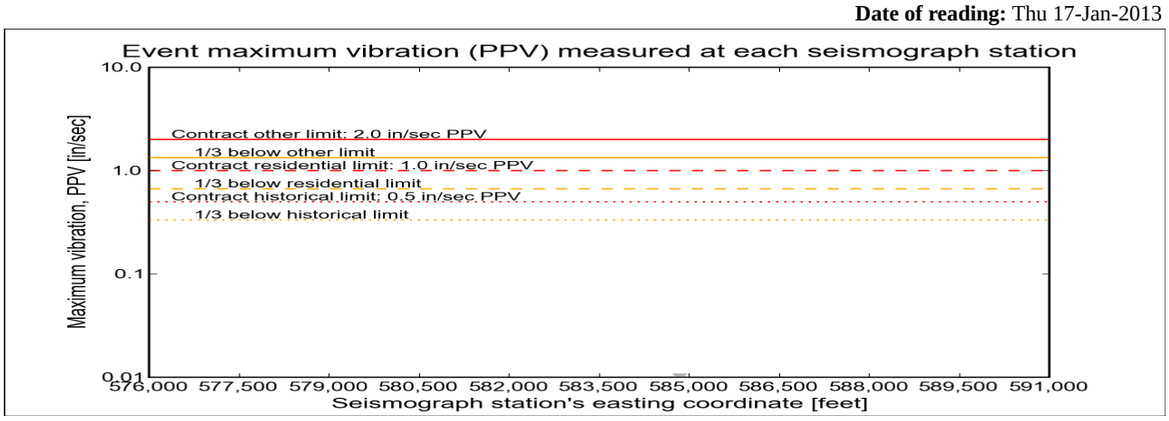

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Station	Date	Time	Max PPV (in / second)	Vibration Type
K-Sea Transportation - e4s006	Thu 17-Jan-2013	17:32:35	0.00937	Ambient

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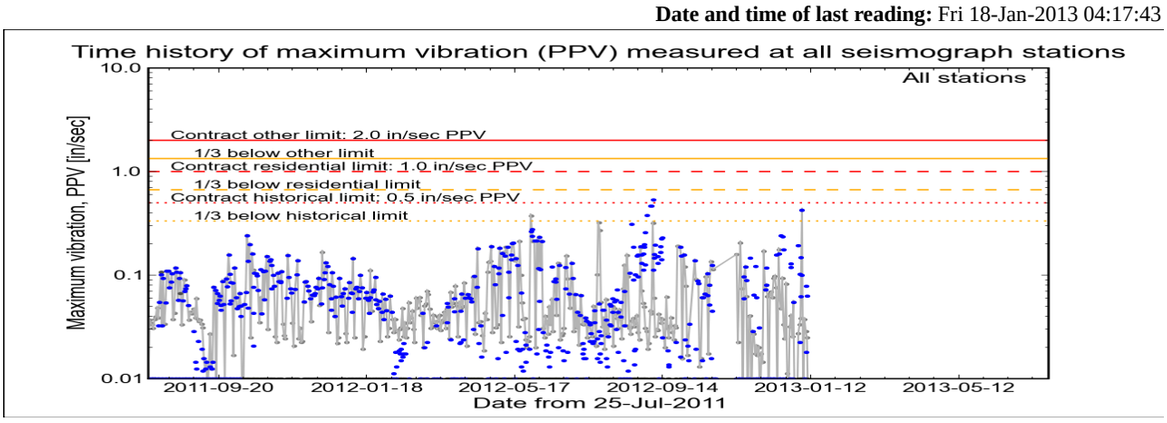
Date and time of last reading: Fri 18-Jan-2013 04:17:43



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Ambient	Fri 18-Jan-2013	04:17:43	0.0063	K-Sea Transportation
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Ambient	Wed 16-Jan-2013	17:02:36	0.0069	K-Sea Transportation
Ambient	Tue 15-Jan-2013	22:02:37	0.0050	K-Sea Transportation
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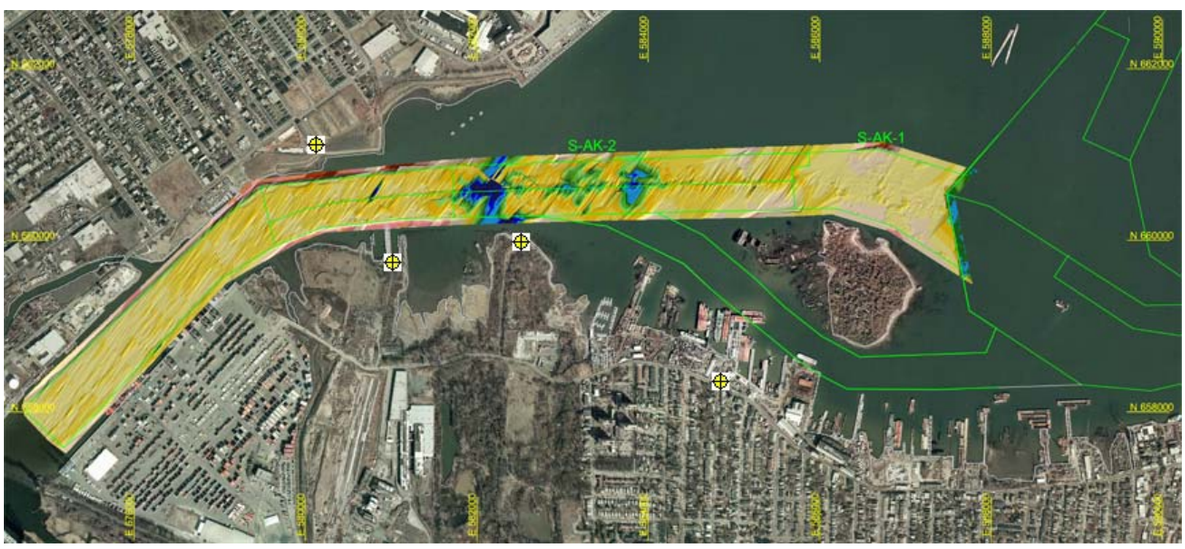

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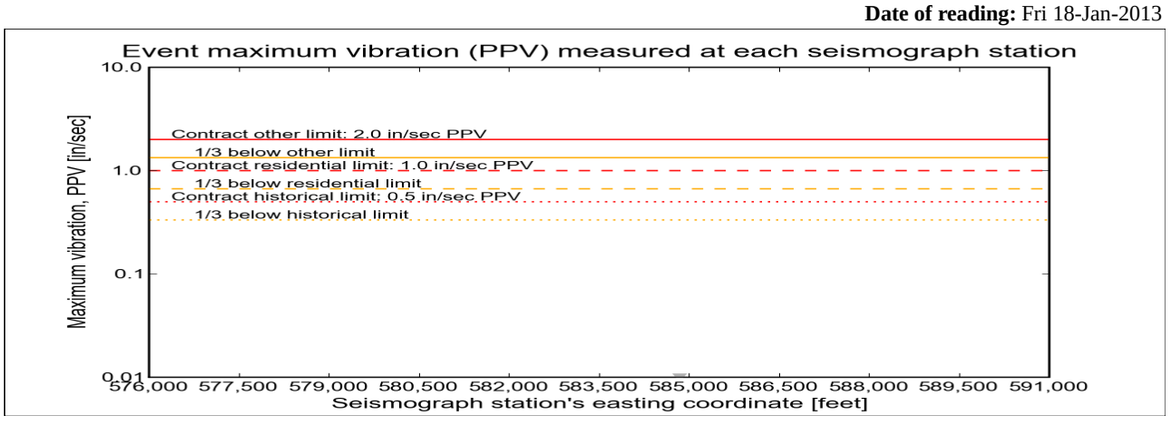

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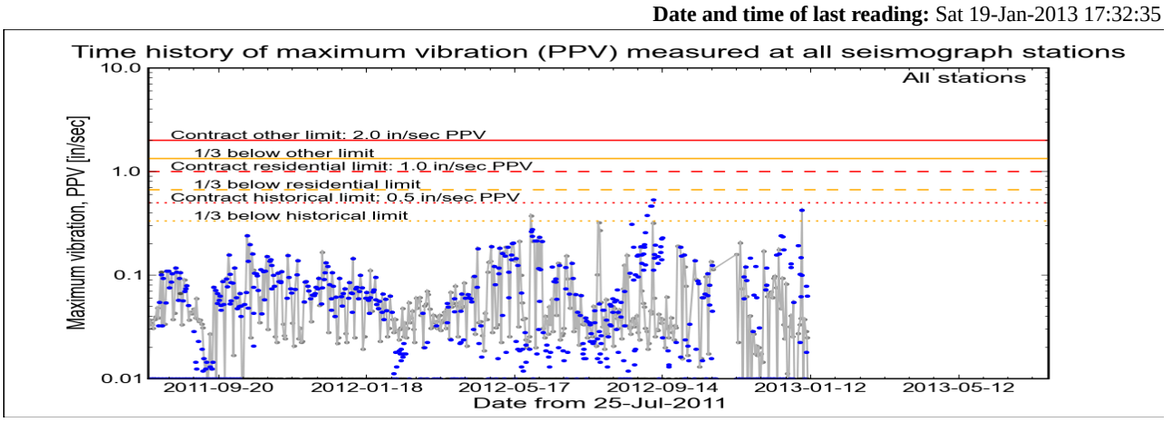
Date and time of last reading: Sat 19-Jan-2013 17:32:35



(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
Ambient	Sat 19-Jan-2013	17:32:35	0.0069	K-Sea Transportation
Ambient	Fri 18-Jan-2013	04:17:43	0.0063	K-Sea Transportation
Ambient	Thu 17-Jan-2013	17:32:35	0.0094	K-Sea Transportation
Ambient	Wed 16-Jan-2013	17:02:36	0.0069	K-Sea Transportation
Ambient	Tue 15-Jan-2013	22:02:37	0.0050	K-Sea Transportation
Ambient	Mon 14-Jan-2013	06:02:42	0.0044	K-Sea Transportation

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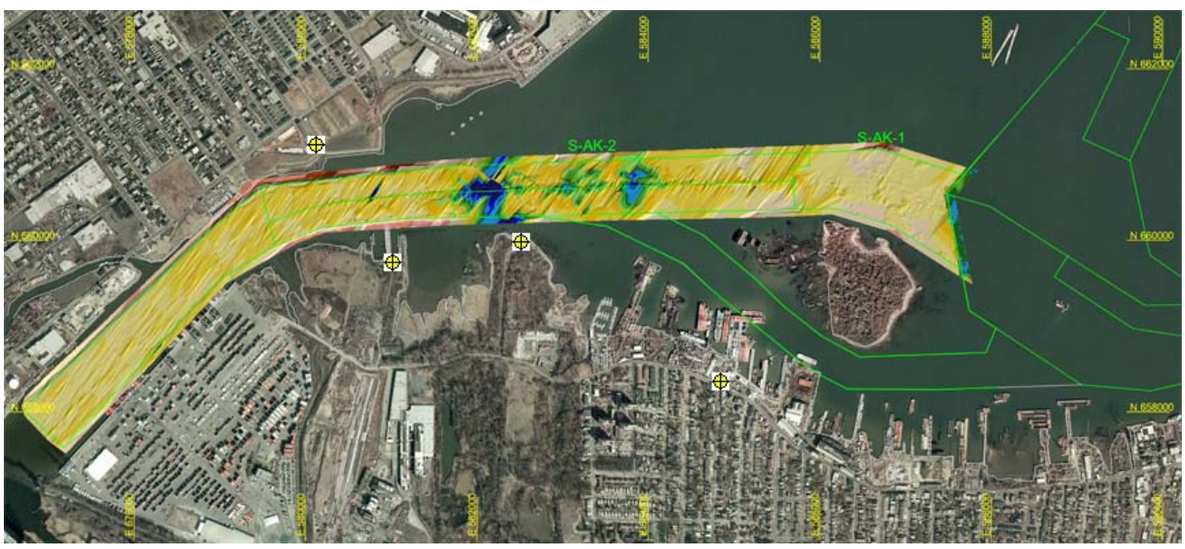
Arthur Kill Blasting Event Summary

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.

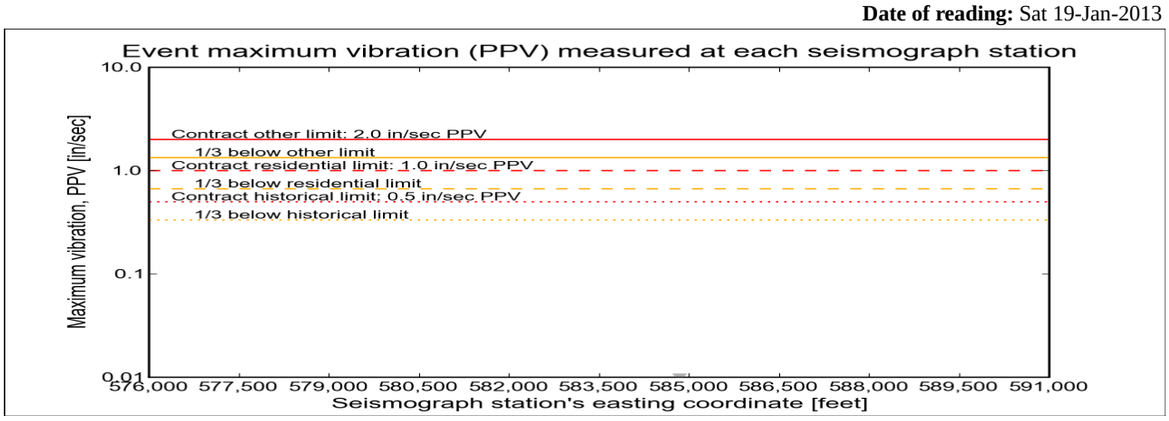
Click station for more information about the station.



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 19-Jan-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 19-Jan-2013	17:32:35	0.00687	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.

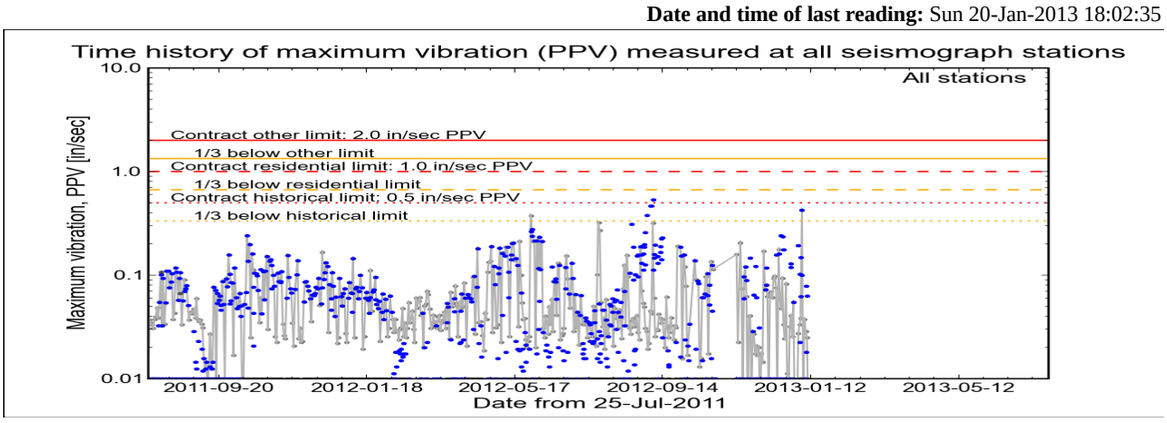
The Arthur Kill contract area is mapped below in light gray. The navigation grid is superimposed. Today's dredge locations are marked by colored symbols, connected by colored lines to this week's past locations marked by gray symbols. The drilling and blasting barge is marked in red. The easting and 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: Sun 20-Jan-2013 18:02:35



(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
Ambient	Sun 20-Jan-2013	18:02:35	0.0050	K-Sea Transportation
Ambient	Sat 19-Jan-2013	17:32:35	0.0069	K-Sea Transportation
Ambient	Fri 18-Jan-2013	04:17:43	0.0063	K-Sea Transportation
Ambient	Thu 17-Jan-2013	17:32:35	0.0094	K-Sea Transportation
Ambient	Wed 16-Jan-2013	17:02:36	0.0069	K-Sea Transportation
Ambient	Tue 15-Jan-2013	22:02:37	0.0050	K-Sea Transportation

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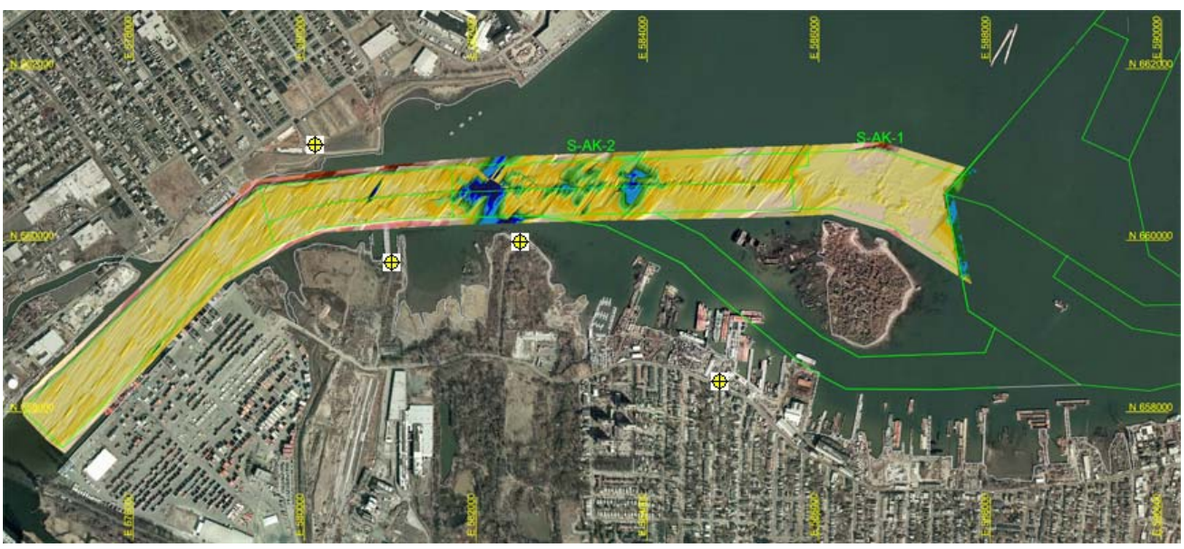
Arthur Kill Blasting Event Summary

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.

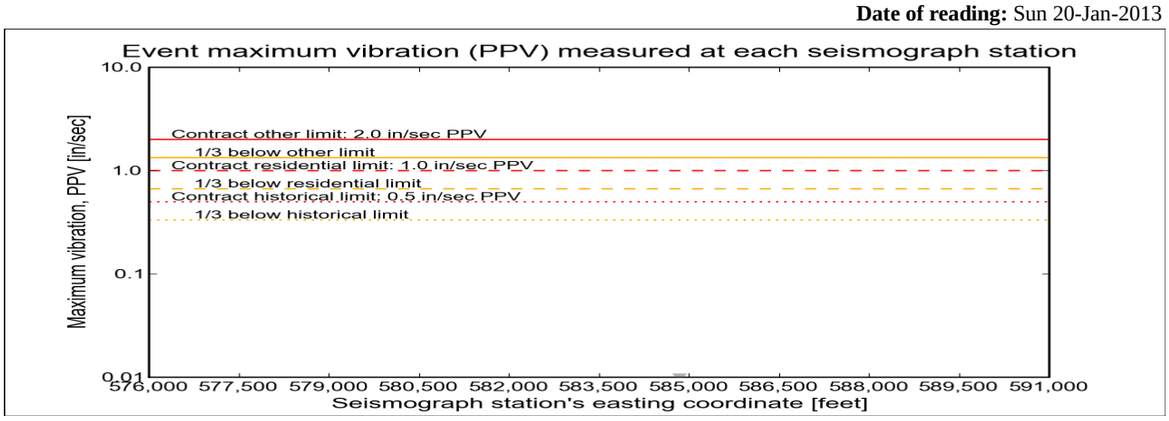
Click station for more information about the station.



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 20-Jan-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 20-Jan-2013	18:02:35	0.005	Ambient