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Week of April 29 – May 05, 2013

The following pages display the results from the USACE-NYD real-time website for the week of Monday, April 29, through Sunday, May 05, 2013.

There were 7 blasts this week in the West-ELIZ project area.

Our monitoring stations were 15617 to 17297 feet away from the blasting areas in West-ELIZ. We recorded ambient vibrations in the S-AK-3 project area. The maximum vibration was 0.0344 in/s recorded at Elizabeth Marina on May 1st. Table 1 summarizes the blasts this week.

Drillboat Apache operated in West-ELIZ this week.

Ground vibrations at New York Container Terminal (NYCT) were all below 0.03 in/s. Ground vibrations at Elizabethport were all below 0.02 in/s. Ground vibrations at Elizabeth marina were all below 0.035 in/s.

The remaining pages displays the home page showing the maximum vibration measured throughout the S-AK-2 Blasting program. The map shows the current locations of the three monitoring stations.

Table 1. Blast Summary for this week

Blast	Date & Time EST/EDT of blast	Distance from blast to e4s stations (feet)	e4s Max. vibration (in/s)
TB-003	2013-04-27 09:27	15,620 - 16,900	n/a
TB-004	2013-04-29 17:30	15,620 - 16,900	n/a
TB-005	2013-04-30 11:59	15,630 - 16,910	n/a
TB-006	2013-05-01 15:30	15,640 - 16,920	n/a
TB-007	2013-05-02 14:00	15,690 - 16,980	n/a
TB-008	2013-05-03 15:43	16,000 - 17,280	n/a
WE-001	2013-05-04 16:44	16,020 - 17,300	n/a



Home Event Summary Stations: Dredges History Links

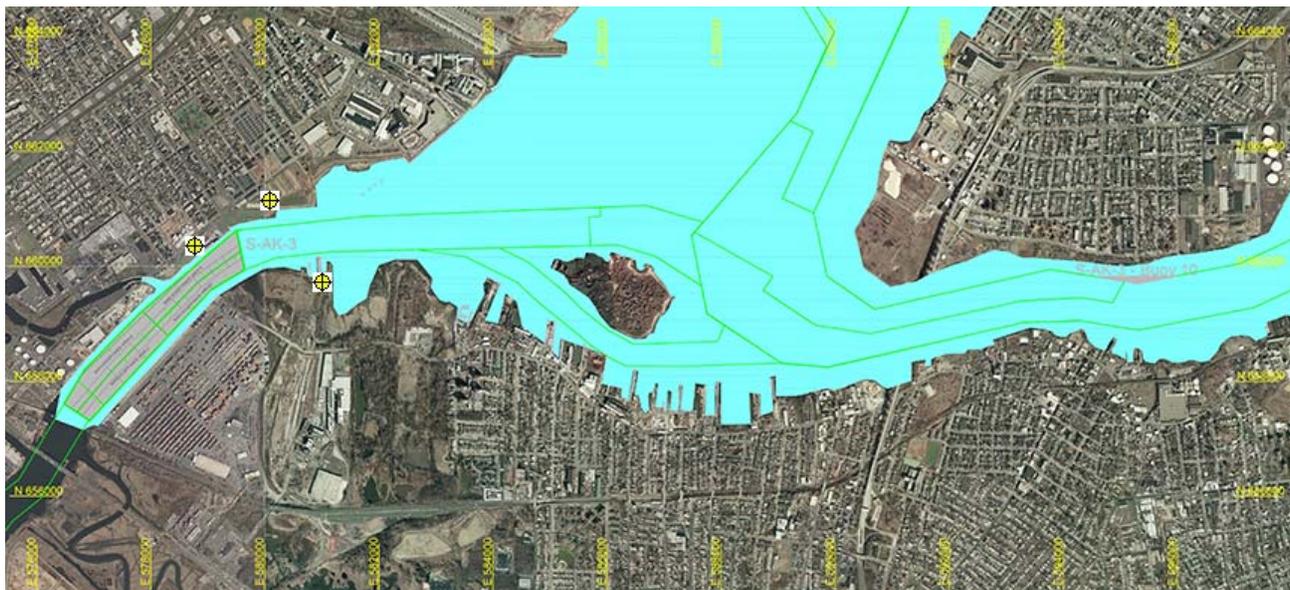
Arthur Kill Blast Vibration Summary

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.

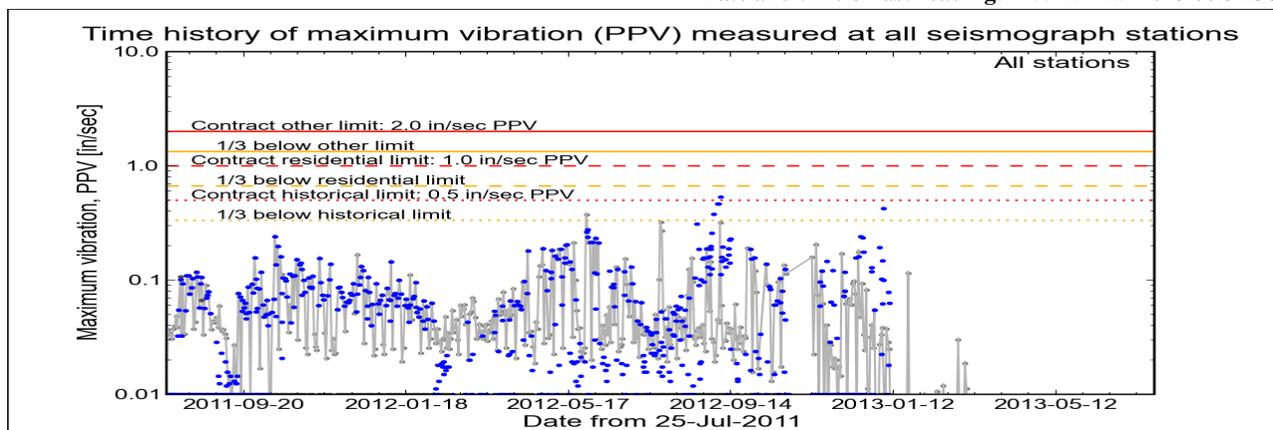
Click station for station information or click channel for event summary.



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: Wed 27-Mar-2013 00:32:38



(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	Wed 27-Mar-2013	00:32:38	0.0044	K-Sea Transportation
Ambient	Tue 26-Mar-2013	10:47:33	0.0069	K-Sea Transportation
Ambient	Mon 25-Mar-2013	05:47:37	0.0069	K-Sea Transportation
Ambient	Sun 24-Mar-2013	10:47:33	0.0056	K-Sea Transportation
Ambient	Sat 23-Mar-2013	11:47:33	0.0056	K-Sea Transportation
Ambient	Fri 22-Mar-2013	13:47:34	0.0088	K-Sea Transportation