

**Table 36.** Result of x-ray diffraction analyses of selected bed-sediment samples collected from the harbors and bays in New Jersey and New York during the Hurricane Sandy reconnaissance study, June–October 2013.

[Map location number refers to figures 2 and 3. Samples analyzed at the U.S. Geological Survey, Central Energy Resources Science Center, Denver, Colorado, and are archived in a project database. Total non-clay and total clay percentages may not equal 100 percent as a result of rounding; tr, trace amounts (less than 1 percent)]

Site code	Map location number	Non-clay minerals (percent of total weight)						Clay minerals (percent of total weight)			Total non-clay (percent)	Total clay (percent)
		Quartz	Albite	Aragonite	Calcite	Pyrite	Halite	Chlorite	Illite	Muscovite		
BBK/SJ5	13	66	27	tr	5	1	1	0	1	0	100	1
BB03	18	68	19	tr	6	1	2	2	2	2	95	6
RB460	60	93	7	tr	0	0	0	0	0	0	100	0
NB453	87	75	14	tr	1	1	1	1	4	2	93	7
JB701	132	89	10	tr	0	1	0	0	1	0	99	1
MB02	160	88	5	tr	3	0	1	0	3	0	97	3
NOAA1	33	24	35	tr	1	3	5	6	21	6	67	32
RB403	40	37	24	tr	1	2	9	5	17	6	72	28
UH412	100	65	21	tr	1	0	3	2	9	0	89	11
BB02	17	79	16	tr	0	0	1	1	3	0	96	4
NOAA4	29	64	12	tr	0	2	11	2	9	0	89	11
RB401	38	69	11	tr	19	0	1	0	0	0	100	0
JB458	131	82	17	tr	1	0	1	0	0	0	100	0

