

Table 9-1. Summary of counts of flooded and non-flooded bulk storage facilities in New Jersey and New York for the regions in the Hurricane Sandy reconnaissance study: by type and region.

[Types of bulk storage facilities were not classified for New Jersey; flooded and non-flooded locations were defined by Federal Emergency Management Agency Modeling Task Force 3-meter final storm surge extent polygons (Federal Emergency Management Agency, 2013); NA, not applicable]

Region	Chemical bulk storage			Major oil storage facility			Petroleum bulk storage			Unclassified bulk storage			Total
	Not flooded	Flooded	Total	Not flooded	Flooded	Total	Not flooded	Flooded	Total	Not flooded	Flooded	Total	
Cape May	NA	NA	NA	NA	NA	NA	NA	NA	NA	123	69	192	192
Atlantic City	NA	NA	NA	NA	NA	NA	NA	NA	NA	712	138	850	850
Great Bay	NA	NA	NA	NA	NA	NA	NA	NA	NA	492	89	581	581
Barnegat Bay	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,634	189	1,823	1,823
Northeast New Jersey shore	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,147	69	1,216	1,216
Lower Harbor/Raritan Bay ¹	6	5	11	0	1	1	1,802	461	2,263	3,955	107	4,062	6,337
Newark Bay ¹	31	1	32	2	1	3	257	46	303	11,871	2,094	13,965	14,303
Upper Harbor ¹	188	32	220	17	17	34	23,902	742	24,644	827	315	1,142	26,040
Jamaica Bay	103	15	118	4	7	11	4,230	212	4,442	NA	NA	NA	4,571
Western Bays	131	13	144	6	3	9	67	24	91	NA	NA	NA	244
Great South Bay	133	5	138	6	0	6	62	1	63	NA	NA	NA	207
Peconic Bay	17	0	17	2	0	2	3	0	3	NA	NA	NA	22
Shinnecock Bay	5	0	5	1	0	1	0	0	0	NA	NA	NA	6

¹Data on chemical, oil, and petroleum storage only from New York.

Table 9-2. Summary of counts of flooded and non-flooded bulk storage facilities in New Jersey and New York for the regions in the Hurricane Sandy reconnaissance study: by type and sampling location.

[Map location number refers to figures 2 and 3. A sampling location is defined by a buffer area with a radius of 2 kilometers around each site. Missing sites did not have bulk storage facilities within search criteria. Types of bulk storage facilities were not classified for New Jersey. Flooded and non-flooded locations were defined by Federal Emergency Management Agency Modeling Task Force 3-meter final storm surge extent polygons (Federal Emergency Management Agency, 2013); NA, not applicable]

Site code	Map location number	Chemical bulk storage			Major oil storage facility			Petroleum bulk storage			Unclassified bulk storage			Per site total
		Not flooded	Flooded	Total	Not flooded	Flooded	Total	Not flooded	Flooded	Total	Not flooded	Flooded	Total	
Cape May region														
BBE/SJ13	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	3	3	3
BBH/SJ12	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	1	1	1
BBM/SJ9	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	6	6	6
Atlantic City region														
BBA/SJ7	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	2	14	14
BBB/SJ6	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	49	9	58	58
BBL/SJ8	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	0	2	2
Great Bay region														
BBK/SJ5	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	1	1	1
Barnegat Bay region														
BB01	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	4	4	4
BB02	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	1	1	1
BB03	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	5	5	5
BB05A	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	3	4	4
BB10	23	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	4	4	4
BB13	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	1	1	1
MANA1	26	NA	NA	NA	NA	NA	NA	NA	NA	NA	39	13	52	52
MANA2	27	NA	NA	NA	NA	NA	NA	NA	NA	NA	24	10	34	34
NOAA3	28	NA	NA	NA	NA	NA	NA	NA	NA	NA	28	2	30	30
NOAA4	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	72	17	89	89
NOAA10	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	1	1	1
Northeast New Jersey shore region														
NAV1	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	6	0	6	6
NAV2	32	NA	NA	NA	NA	NA	NA	NA	NA	NA	89	0	89	89
NOAA1	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	1	15	15
NOAA2	34	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	2	5	5
SHARK1	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	72	14	86	86
SHREW1	36	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	6	6	6
SHREW2	37	NA	NA	NA	NA	NA	NA	NA	NA	NA	32	33	65	65

Table 9-2. Summary of counts of flooded and non-flooded bulk storage facilities in New Jersey and New York for the regions in the Hurricane Sandy reconnaissance study: by type and sampling location.—Continued

[Map location number refers to figures 2 and 3. A sampling location is defined by a buffer area with a radius of 2 kilometers around each site. Missing sites did not have bulk storage facilities within search criteria. Types of bulk storage facilities were not classified for New Jersey. Flooded and non-flooded locations were defined by Federal Emergency Management Agency Modeling Task Force 3-meter final storm surge extent polygons (Federal Emergency Management Agency, 2013); NA, not applicable]

Site code	Map location number	Chemical bulk storage			Major oil storage facility			Petroleum bulk storage			Unclassified bulk storage			Per site total
		Not flooded	Flooded	Total	Not flooded	Flooded	Total	Not flooded	Flooded	Total	Not flooded	Flooded	Total	
Lower Harbor/Raritan Bay region														
RB401	38	0	1	1	0	0	0	19	181	200	0	0	0	201
RB405	42	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	2	7	7
RB413	49	0	0	0	0	0	0	0	2	2	NA	NA	NA	2
RB414	50	2	0	2	0	0	0	5	2	7	NA	NA	NA	9
RB453	54	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	16	31	31
RB456	57	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	5	5	5
RB461	61	0	1	1	0	0	0	1	3	4	NA	NA	NA	5
RB462	62	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	2	5	5
RB465	65	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	5	7	7
Newark Bay region														
NB401	66	NA	NA	NA	NA	NA	NA	NA	NA	NA	47	9	56	56
NB405	67	NA	NA	NA	NA	NA	NA	NA	NA	NA	18	136	154	154
NB406	68	NA	NA	NA	NA	NA	NA	NA	NA	NA	19	16	35	35
NB409	69	1	0	1	1	0	1	11	1	12	9	14	23	37
NB410	70	0	0	0	0	0	0	15	3	18	22	1	23	41
NB412	71	NA	NA	NA	NA	NA	NA	NA	NA	NA	48	8	56	56
NB413	72	1	0	1	0	0	0	34	6	40	31	5	36	77
NB414	73	2	1	3	0	1	1	4	0	4	36	12	48	56
NB416	74	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	23	24	24
NB418	75	3	0	3	0	0	0	67	10	77	46	20	66	146
NB419	76	1	0	1	1	0	1	8	3	11	28	6	34	47
NB423	77	0	0	0	0	0	0	16	3	19	41	10	51	70
NB424	78	1	1	2	0	1	1	5	8	13	5	14	19	35
NB425	79	NA	NA	NA	NA	NA	NA	NA	NA	NA	48	99	147	147
NB426	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	47	11	58	58
NB427	81	NA	NA	NA	NA	NA	NA	NA	NA	NA	26	37	63	63
NB429	82	0	0	0	0	0	0	13	4	17	89	3	92	109
NB430	83	1	0	1	1	0	1	11	1	12	9	18	27	41
NB431	84	NA	NA	NA	NA	NA	NA	NA	NA	NA	61	19	80	80
NB450	85	NA	NA	NA	NA	NA	NA	NA	NA	NA	98	146	244	244
NB452	86	NA	NA	NA	NA	NA	NA	NA	NA	NA	68	6	74	74

Table 9-2. Summary of counts of flooded and non-flooded bulk storage facilities in New Jersey and New York for the regions in the Hurricane Sandy reconnaissance study: by type and sampling location.—Continued

[Map location number refers to figures 2 and 3. A sampling location is defined by a buffer area with a radius of 2 kilometers around each site. Missing sites did not have bulk storage facilities within search criteria. Types of bulk storage facilities were not classified for New Jersey. Flooded and non-flooded locations were defined by Federal Emergency Management Agency Modeling Task Force 3-meter final storm surge extent polygons (Federal Emergency Management Agency, 2013); NA, not applicable]

Site code	Map location number	Chemical bulk storage			Major oil storage facility			Petroleum bulk storage			Unclassified bulk storage			Per site total
		Not flooded	Flooded	Total	Not flooded	Flooded	Total	Not flooded	Flooded	Total	Not flooded	Flooded	Total	
Newark Bay region—Continued														
NB453	87	0	0	0	0	0	0	18	4	22	37	3	40	62
NB454	88	NA	NA	NA	NA	NA	NA	NA	NA	NA	66	9	75	75
NB455	89	0	0	0	0	0	0	4	8	12	1	14	15	27
NB457	90	0	0	0	0	0	0	9	2	11	76	1	77	88
NB459	91	1	0	1	0	0	0	7	8	15	4	13	17	33
NB461	92	1	0	1	1	0	1	11	2	13	20	8	28	43
Upper Harbor region														
NB407	93	3	0	3	0	0	0	60	10	70	60	35	95	168
UH401	94	4	2	6	1	2	3	218	43	261	NA	NA	NA	270
UH402	95	2	1	3	0	0	0	75	18	93	NA	NA	NA	96
UH404	96	2	0	2	0	0	0	914	10	924	73	0	73	999
UH408	97	0	0	0	0	0	0	0	3	3	NA	NA	NA	3
UH409	98	3	1	4	0	0	0	58	20	78	NA	NA	NA	82
UH411	99	2	0	2	0	0	0	1,037	0	1,037	77	0	77	1,116
UH412	100	0	0	0	0	0	0	84	1	85	NA	NA	NA	85
UH413	101	5	2	7	0	0	0	946	9	955	51	0	51	1,013
UH415	102	2	0	2	0	1	1	62	10	72	NA	NA	NA	75
UH416	103	1	0	1	0	0	0	230	95	325	10	57	67	393
UH451	104	0	1	1	0	0	0	94	0	94	1	0	1	96
UH452	105	3	0	3	0	1	1	45	1	46	NA	NA	NA	50
UH455	106	6	0	6	0	0	0	1,272	1	1,273	23	1	24	1,303
UH456	107	4	2	6	0	0	0	1,192	74	1,266	16	43	59	1,331
UH457	108	7	0	7	0	0	0	1,053	0	1,053	19	15	34	1,094
UH459	109	2	0	2	0	0	0	921	0	921	92	0	92	1,015
UH461	110	0	0	0	0	0	0	569	0	569	152	0	152	721
UH463	111	6	0	6	0	0	0	427	0	427	60	15	75	508
UH465	112	0	0	0	0	0	0	53	0	53	46	0	46	99
UH466	113	0	0	0	1	0	1	23	5	28	NA	NA	NA	29
UH468	114	1	0	1	1	0	1	62	10	72	NA	NA	NA	74
UH469	115	2	0	2	0	0	0	608	11	619	70	0	70	691

Table 9-2. Summary of counts of flooded and non-flooded bulk storage facilities in New Jersey and New York for the regions in the Hurricane Sandy reconnaissance study: by type and sampling location.—Continued

[Map location number refers to figures 2 and 3. A sampling location is defined by a buffer area with a radius of 2 kilometers around each site. Missing sites did not have bulk storage facilities within search criteria. Types of bulk storage facilities were not classified for New Jersey. Flooded and non-flooded locations were defined by Federal Emergency Management Agency Modeling Task Force 3-meter final storm surge extent polygons (Federal Emergency Management Agency, 2013); NA, not applicable]

Site code	Map location number	Chemical bulk storage			Major oil storage facility			Petroleum bulk storage			Unclassified bulk storage			Per site total
		Not flooded	Flooded	Total	Not flooded	Flooded	Total	Not flooded	Flooded	Total	Not flooded	Flooded	Total	
Jamaica Bay region														
JB401	116	0	0	0	0	0	0	3	9	12	NA	NA	NA	12
JB403	117	1	1	2	1	0	1	3	3	6	NA	NA	NA	9
JB404	118	0	0	0	0	0	0	4	7	11	NA	NA	NA	11
JB405	119	0	0	0	0	0	0	0	21	21	NA	NA	NA	21
JB406	120	0	0	0	0	1	1	1	43	44	NA	NA	NA	45
JB407	121	0	4	4	1	3	4	10	4	14	NA	NA	NA	22
JB409	122	0	1	1	0	0	0	5	28	33	NA	NA	NA	34
JB410	123	0	0	0	0	0	0	2	3	5	NA	NA	NA	5
JB416	125	5	0	5	1	0	1	5	4	9	NA	NA	NA	15
JB417	126	0	1	1	0	0	0	6	41	47	NA	NA	NA	48
JB419	127	0	0	0	0	0	0	3	16	19	NA	NA	NA	19
JB422	128	0	0	0	0	0	0	1	0	1	NA	NA	NA	1
JB423	129	0	0	0	0	0	0	3	4	7	NA	NA	NA	7
JB454	130	0	0	0	0	0	0	1	0	1	NA	NA	NA	1
JB458	131	0	0	0	0	0	0	3	15	18	NA	NA	NA	18
JB464	133	0	3	3	0	1	1	10	4	14	NA	NA	NA	18
JB466	134	0	1	1	0	1	1	2	38	40	NA	NA	NA	42
JB467	135	0	0	0	0	0	0	1	0	1	NA	NA	NA	1
JB468	136	0	1	1	0	0	0	8	43	51	NA	NA	NA	52
JB471	137	0	0	0	0	0	0	0	13	13	NA	NA	NA	13
JB472	138	1	0	1	0	0	0	39	35	74	NA	NA	NA	75
JB474	139	0	1	1	0	1	1	4	36	40	NA	NA	NA	42
JB480	140	0	1	1	0	0	0	8	44	52	NA	NA	NA	53
JB486	142	0	0	0	0	0	0	3	9	12	NA	NA	NA	12
JB487	143	1	3	4	1	0	1	7	3	10	NA	NA	NA	15
NOAA5	144	0	0	0	0	0	0	16	21	37	NA	NA	NA	37
NOAA6	145	0	0	0	0	0	0	3	9	12	NA	NA	NA	12

Table 9-2. Summary of counts of flooded and non-flooded bulk storage facilities in New Jersey and New York for the regions in the Hurricane Sandy reconnaissance study: by type and sampling location.—Continued

[Map location number refers to figures 2 and 3. A sampling location is defined by a buffer area with a radius of 2 kilometers around each site. Missing sites did not have bulk storage facilities within search criteria. Types of bulk storage facilities were not classified for New Jersey. Flooded and non-flooded locations were defined by Federal Emergency Management Agency Modeling Task Force 3-meter final storm surge extent polygons (Federal Emergency Management Agency, 2013); NA, not applicable]

Site code	Map location number	Chemical bulk storage			Major oil storage facility			Petroleum bulk storage			Unclassified bulk storage			Per site total
		Not flooded	Flooded	Total	Not flooded	Flooded	Total	Not flooded	Flooded	Total	Not flooded	Flooded	Total	
Western Bays region														
HHB01	148	1	3	4	1	1	2	0	1	1	NA	NA	NA	7
RC01	149	1	1	2	0	0	0	0	0	0	NA	NA	NA	2
RC02	150	1	4	5	0	0	0	0	0	0	NA	NA	NA	5
Great South Bay region														
GSB06	157	1	1	2	0	0	0	0	0	0	NA	NA	NA	2
SOB01	163	0	1	1	0	0	0	0	0	0	NA	NA	NA	1