

NEW YORK STATE HURRICANE EVACUATION RESTUDY TECHNICAL DATA REPORT

for New York City, Nassau, Suffolk, and Westchester Counties



3 | VULNERABILITY ANALYSIS

PURPOSE

The primary purpose of the **vulnerability analysis** is to identify the areas, populations, and facilities that are vulnerable to **storm surge** and to wind damage. **Storm surge** data from the hazards analysis were used to map inundation areas; to develop **evacuation** scenarios and **evacuation zones**; to quantify the **vulnerable population**; and to identify major medical, institutional, and other facilities that are potentially vulnerable to **storm surge**.

The New York City and surrounding area has a huge number of high rise buildings whose height and glass exteriors make the area very vulnerable to unique hurricane wind forces. Although not as prominent as in the southeastern United States, mobile homes have also proven to be particularly susceptible to wind damage, and they should be considered vulnerable under any **storm category**. No attempt has been made to identify other types of construction that may have a high risk of wind damage.

HURRICANE SURGE INUNDATION AND MAPPING

Because of unavoidable inaccuracies in hurricane forecasting the exact track or timing of an approaching hurricane cannot be predicted. Within a few hours, a hurricane can change its forward speed, intensity and direction, which will create quite different flooding scenarios at landfall. Because of this uncertainty, hurricane surge mapping depicts the “worst-case” by delineating the maximum expected extent of storm surge flooding at high tide, regardless of the location of hurricane landfall. Hurricane surge maps showing peak surge flooding for the **MOMs** discussed in Chapter 2 have been produced for each **storm category**. The maps depict the maximum extent of **storm surge** flooding that could be expected in a category 1, 2, 3



3 | VULNERABILITY ANALYSIS

or 4 hurricane. These maps are based on still-water surge heights at mean tide and do not include the possible increased flood levels due to astronomical high tide or wave height.

HURRICANE EVACUATION SCENARIOS AND ZONES

Hurricanes with unlike parameters can have very similar implications for hurricane **evacuation**.

Evacuation scenarios are developed to simplify **evacuation** decision making by comparing areas of potential surge flooding for each hurricane category. Where there is no significant difference, surge areas flooded by storms of different categories may be treated the same and evacuated as one scenario.

Hurricane **evacuation zones** are sub-areas of each scenario that should be evacuated to protect residents from flooding. They sometimes include non-flood areas that could be cut off or completely surrounded by flooding. **Evacuation zones** are based to some degree on census tracts, traffic analysis zones, or prominent features and are a key basis for the **transportation analysis**. Emergency Management Offices in the study area took the primary role of delineating zones so that they would be comfortable with communicating the zones to the public in the event of an emergency. These **evacuation zones** were used to estimate the evacuating population and number of evacuating vehicles. **Table 3-1** contains a breakdown of the number of **evacuation zones** and general vulnerability. The **evacuation zones** are illustrated in an interactive format under the **maps section** of the interactive DVD and in static format in **Figure 3-1** (Manhattan), **Figure 3-2** (Brooklyn), **Figure 3-3** (Queens), **Figure 3-4** (Staten Island), **Figure 3-5** (Bronx), **Figure 3-6** (Nassau County), **Figure 3-7** (Suffolk County), and **Figure 3-8** (Westchester County) of the report.

Early-on in the transportation analysis, New York City had decided to use the term “scenarios”, but have since moved toward using “evacuation zones”. The use of the term “scenario” corresponds to “evacuation zones”. The following can be referred to for further clarification throughout this chapter:

- Scenario A = Evacuation Zone A = Category 1 Hurricanes
- Scenario B = Evacuation Zone B = Category 2 Hurricanes
- Scenario C = Evacuation Zone C = Category 3 - 4 Hurricanes



3 | VULNERABILITY ANALYSIS

Borough / County	Evacuation Zone
New York City	
Manhattan 1-6	Scenario A Evacuation Zones
Manhattan 7-20	Scenario B Evacuation Zones
Manhattan 21-34	Scenario C Evacuation Zones
Manhattan 35-46	Non-Surge / Inland Evacuation Areas (Mobile Homes Only)
Brooklyn 1-7	Scenario A Evacuation Zones
Brooklyn 8-20	Scenario B Evacuation Zones
Brooklyn 21-35	Scenario C Evacuation Zones
Brooklyn 36-49	Non-Surge / Inland Evacuation Areas (Mobile Homes Only)
Queens 1-4	Scenario A Evacuation Zones
Queens 5-20	Scenario B Evacuation Zones
Queens 21-30	Scenario C Evacuation Zones
Queens 31-45	Non-Surge / Inland Evacuation Areas (Mobile Homes Only)
Staten Island 1-13	Scenario A Evacuation Zones
Staten Island 14-18	Scenario B Evacuation Zones
Staten Island 19-29	Scenario C Evacuation Zones
Staten Island 30-40	Non-Surge / Inland Evacuation Areas (Mobile Homes Only)
Bronx 1-6	Scenario A Evacuation Zones
Bronx 7-13	Scenario B Evacuation Zones
Bronx 14-21	Scenario C Evacuation Zones
Bronx 22-29	Non-Surge / Inland Evacuation Areas (Mobile Homes Only)
Nassau 1-2	Evacuation Area 1 - Primarily Category 1 Storms
Nassau 3-8	Evacuation Area 2 - Primarily Category 2 Storms
Nassau 9-14	Evacuation Area 3 - Primarily Category 3 Storms
Nassau 15-20	Evacuation Area 4 - Primarily Category 4 Storms
Nassau 21-35	Non-Surge / Inland Evacuation Areas (Mobile Homes Only)
Suffolk 1-19	Evacuation Area 1 - Primarily Category 1 Storms
Suffolk 20-30	Evacuation Area 2 - Primarily Category 2 Storms
Suffolk 31-39	Evacuation Area 3 - Primarily Category 3 Storms
Suffolk 40-45	Evacuation Area 4 - Primarily Category 4 Storms
Suffolk 46-57	Non-Surge / Inland Evacuation Areas (Mobile Homes Only)
Westchester 1-10	Evacuation Areas - All Categories of Storms
Westchester 11-31	Non-Surge / Inland Evacuation Areas (Mobile Homes Only)

Table 3-1: Evacuation Zones



3 | VULNERABILITY ANALYSIS

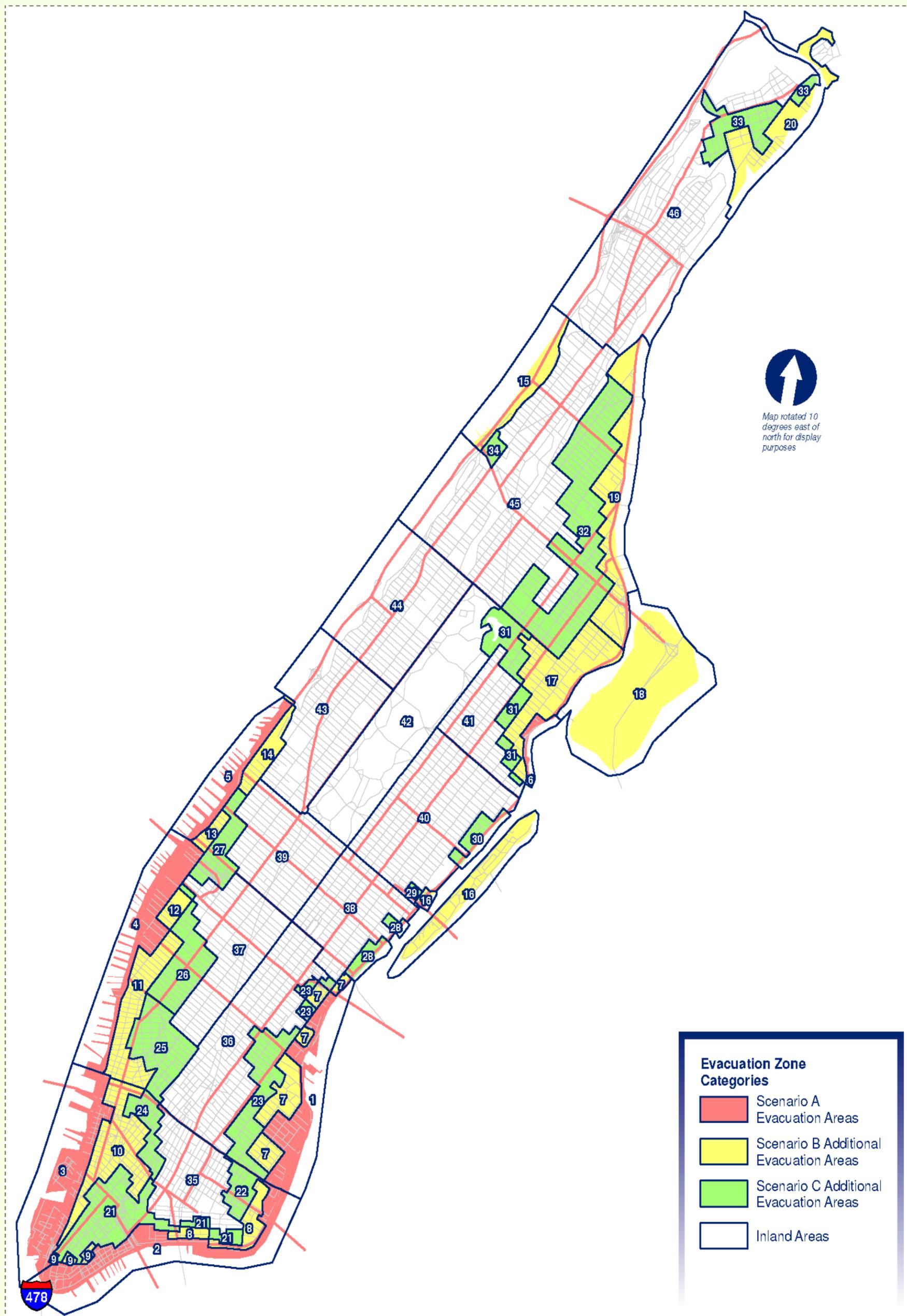


Figure 3-1: Evacuation Zones—Manhattan



3 | VULNERABILITY ANALYSIS

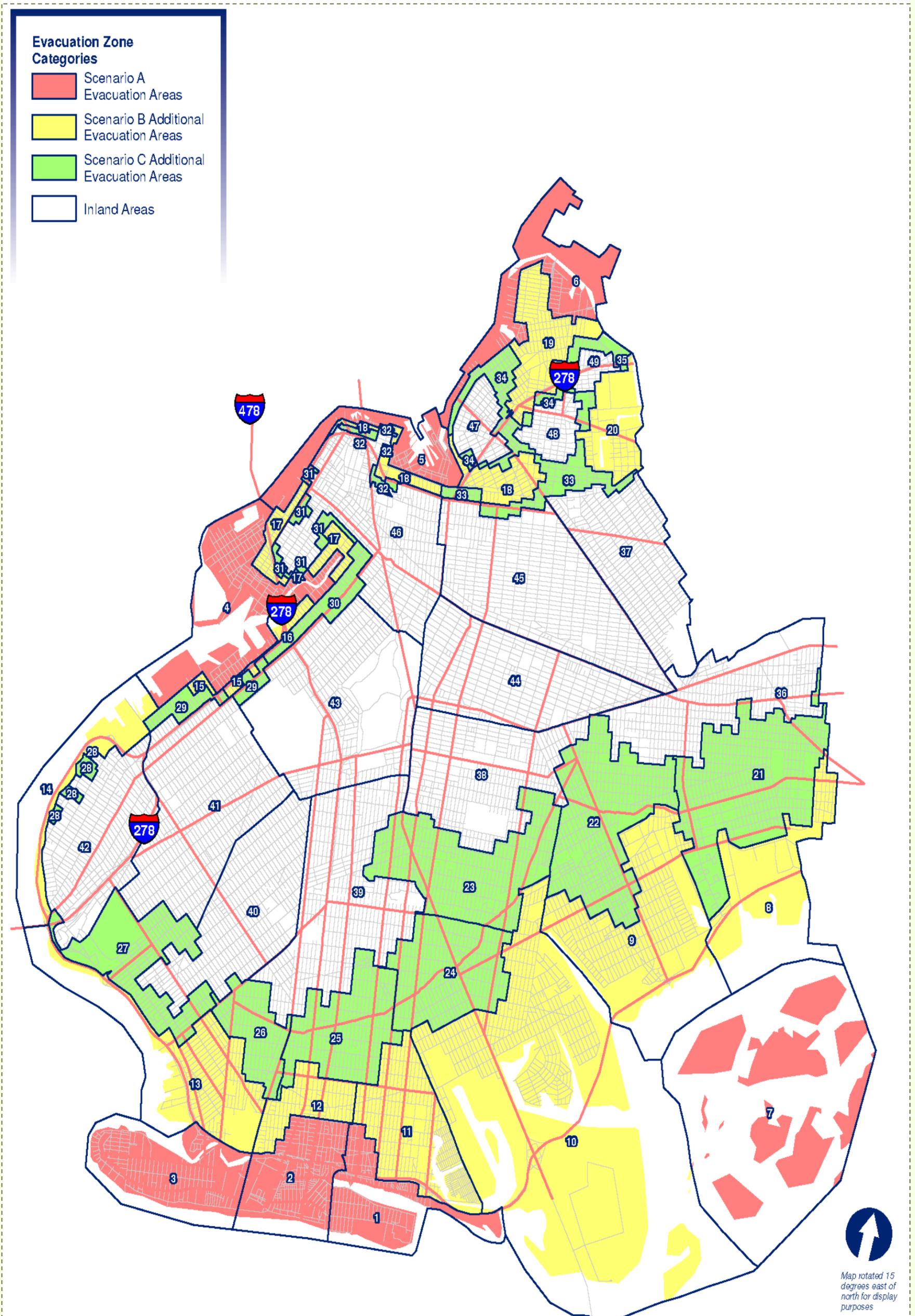


Figure 3-2: Evacuation Zones—Brooklyn



3 | VULNERABILITY ANALYSIS

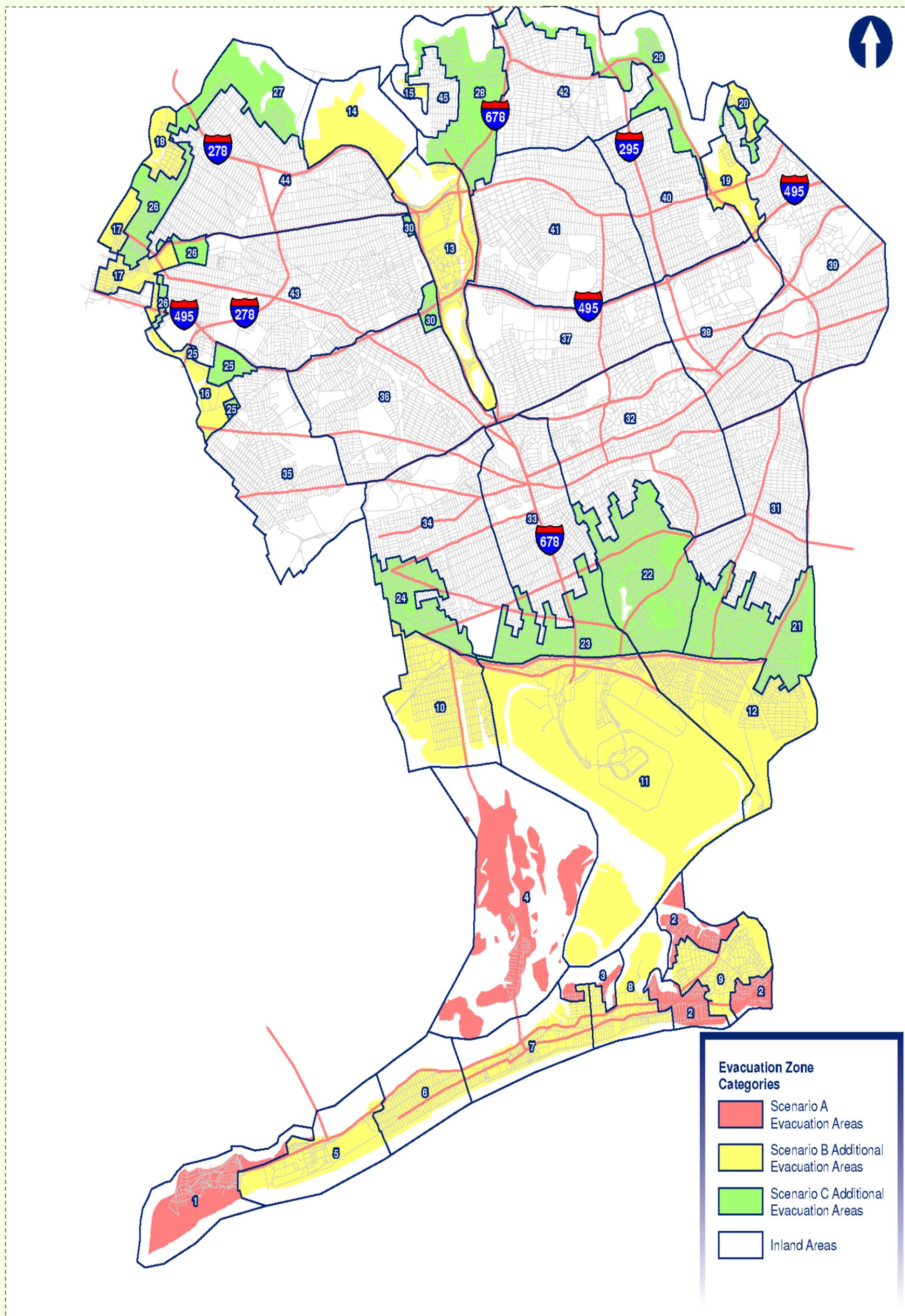


Figure 3-3: Evacuation Zones—Queens

3 | VULNERABILITY ANALYSIS

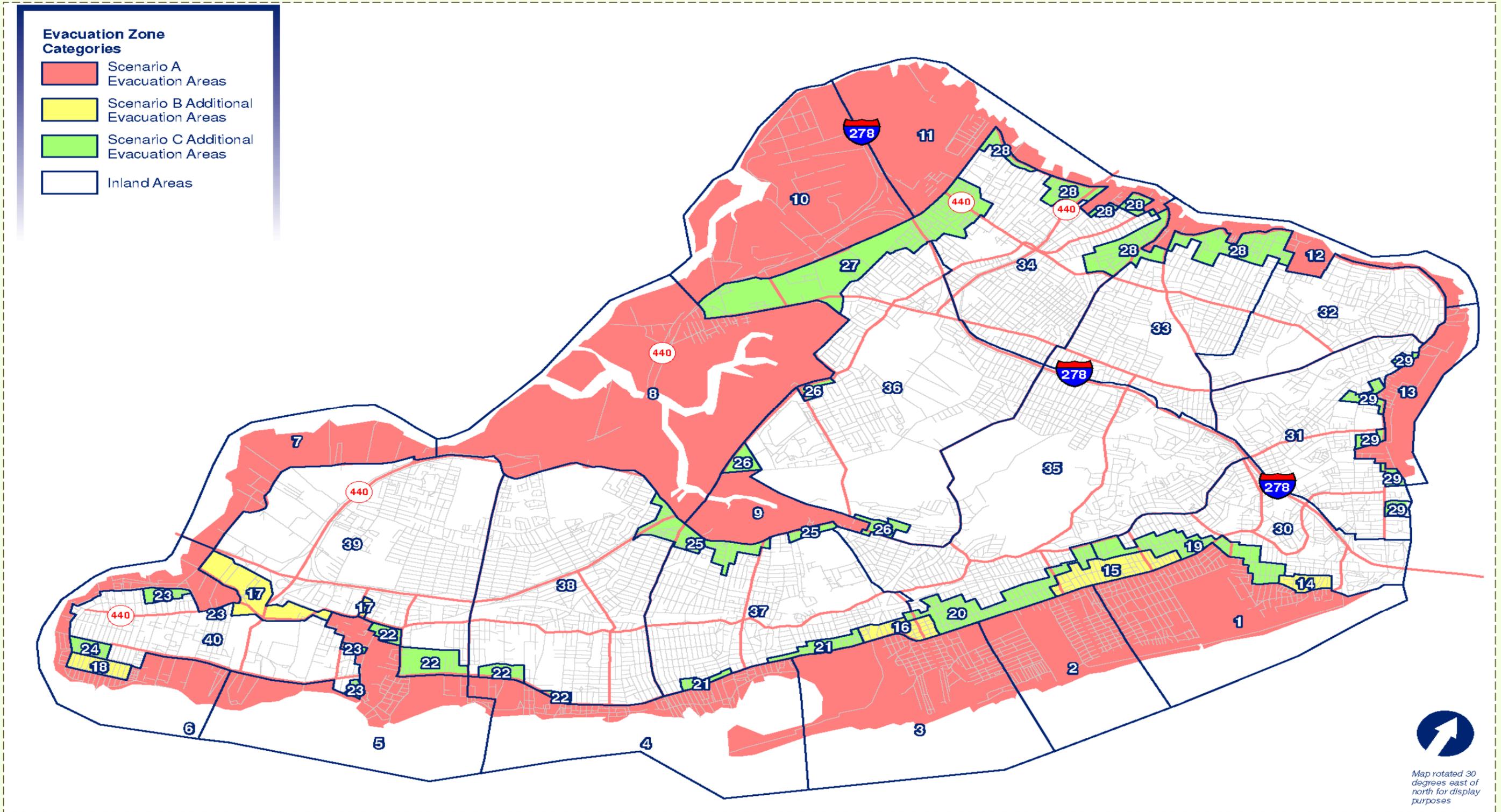


Figure 3-4: Evacuation Zones—Staten Island

3 | VULNERABILITY ANALYSIS

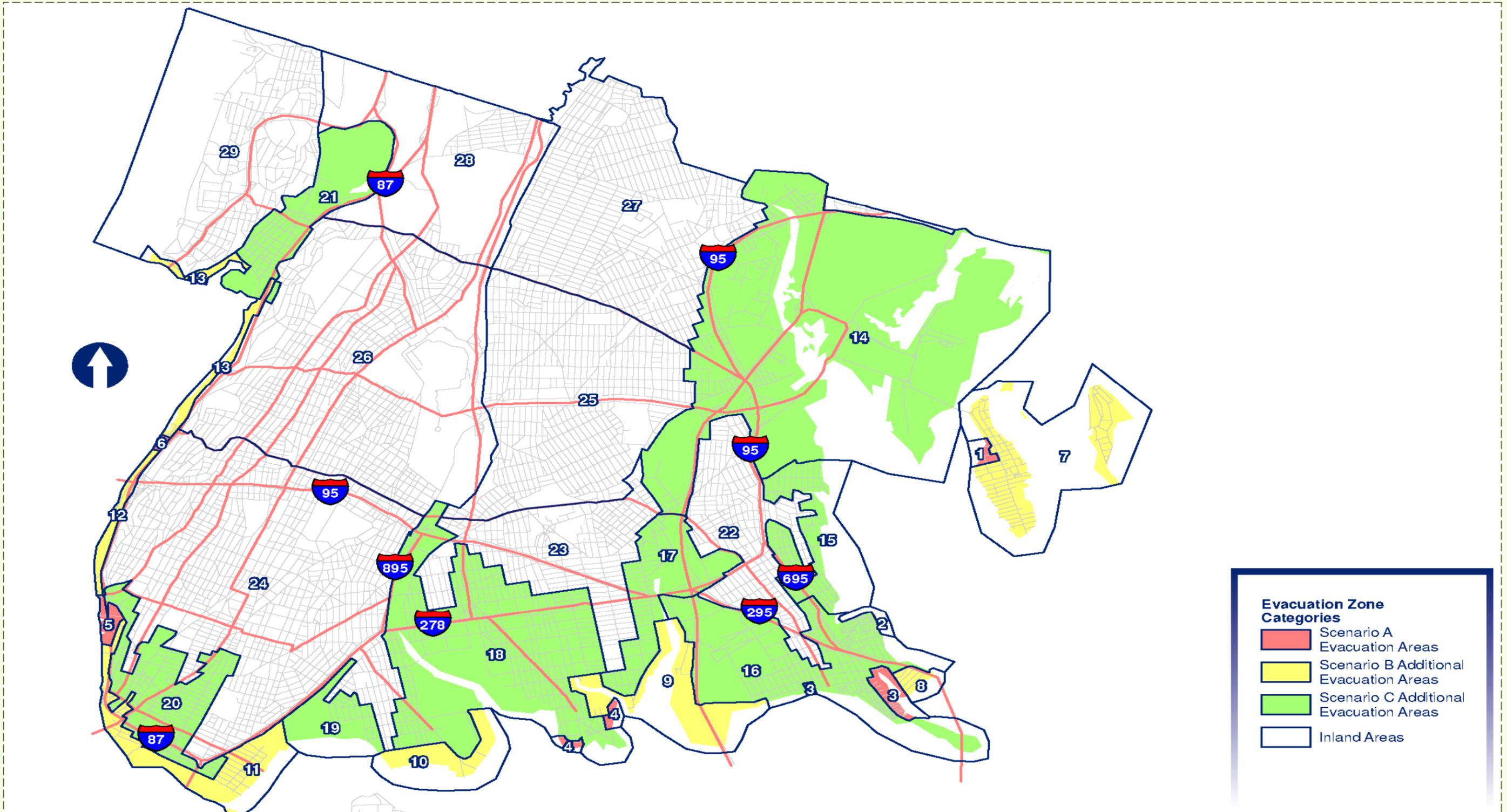


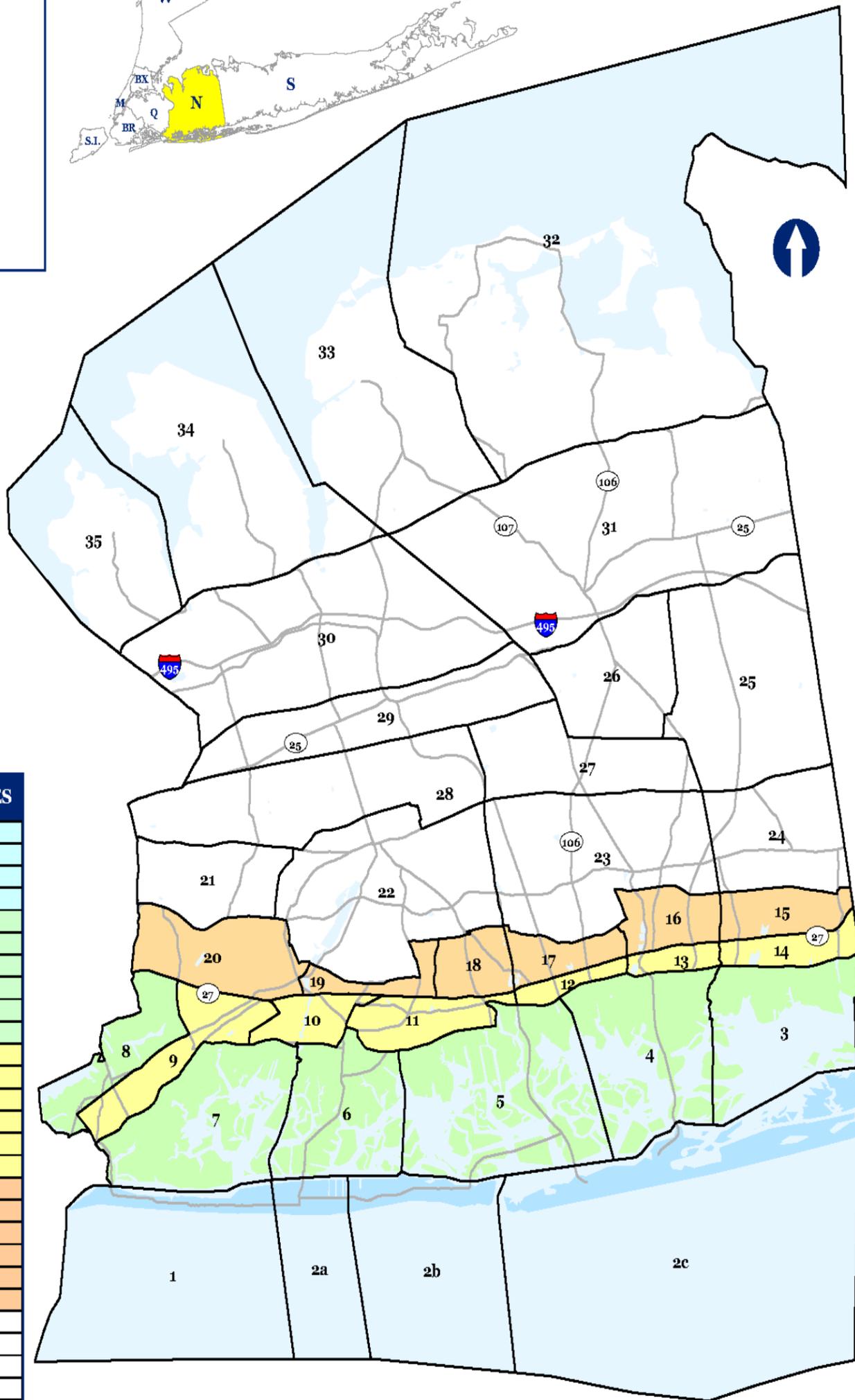
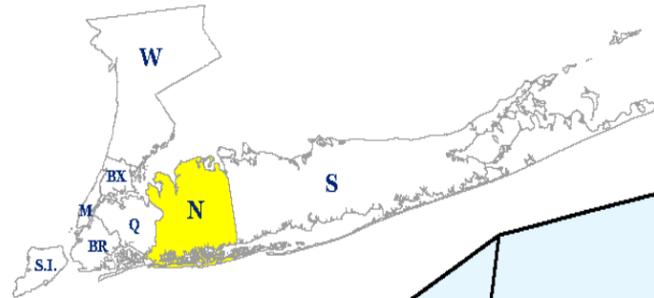
Figure 3-5: Evacuation Zones—Bronx

3 | VULNERABILITY ANALYSIS



LEGEND

-  Inland Area
-  Category 1 Evacuation Area
-  Category 2 Additional Evacuation Area
-  Category 3 Additional Evacuation Area
-  Category 4 Additional Evacuation Area



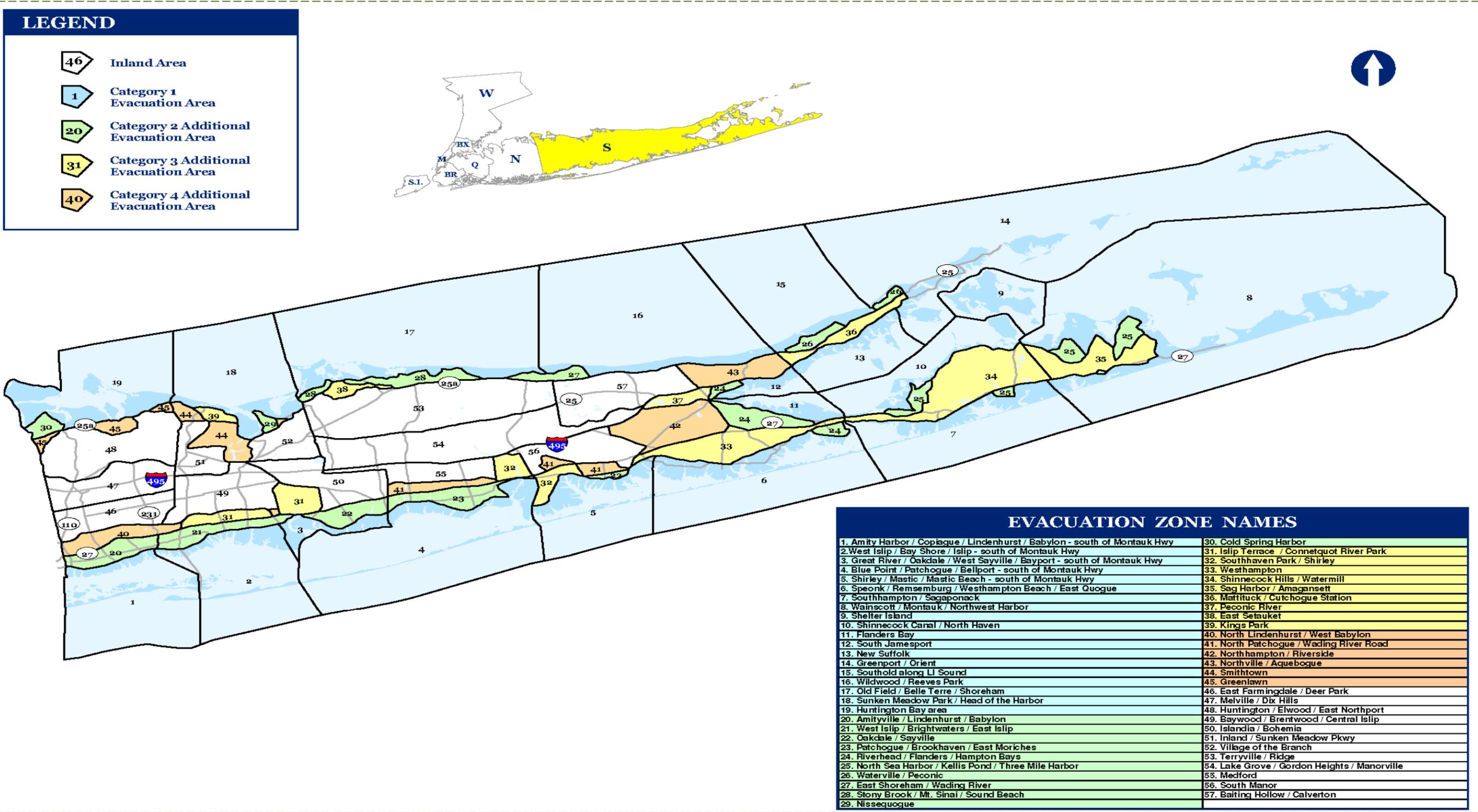
EVACUATION ZONE NAMES

1 - Atlantic Beach
2a - Long Beach
2b - Lido Beach
2c - Jones Beach
3 - South Oyster Bay Town Coastal
4 - Cedar Creek Park
5 - Baldwin Island/Merrick Bay
6 - Oceanside/Barnum Island
7 - Lawrence/the Hewletts Coastal
8 - Inwood/South Valley Stream
9 - Cedarhurst/Hewlett
10 - East Rockaway
11 - Freeport below Sunrise
12 - Merrick/Bellmore below Sunrise
13 - Wantagh/Seaford below Sunrise
14 - Massapequa below Sunrise
15 - Massapequa above Sunrise
16 - Wantagh/Seaford above Sunrise
17 - Merrick/Bellmore above Sunrise
18 - Freeport above Sunrise
19 - Rockville Centre
20 - Malverne/Valley Stream
21 - Elmont
22 - Hempstead
23 - East Meadow/North Bellmore
24 - Farmingdale
25 - Bethpage/Plainview
26 - Hicksville
27 - Salisbury/Levittown
28 - Garden City
29 - Mineola
30 - Lake Success/Roslyn
31 - Syosset
32 - Oyster Bay Corner
33 - Glen Cove
34 - Manhasset Neck
35 - Great Neck

Note: Nassau County Emergency Management will also ask localized areas along Long Island Sound to evacuate for various storm threats / flood threats in addition to evacuation areas shown above.

Figure 3-6: Evacuation Zones—Nassau County

3 | VULNERABILITY ANALYSIS



LEGEND

- 46 Inland Area
- 1 Category 1 Evacuation Area
- 20 Category 2 Additional Evacuation Area
- 31 Category 3 Additional Evacuation Area
- 40 Category 4 Additional Evacuation Area

EVACUATION ZONE NAMES

1. Amity Harbor / Copiague / Lindenhurst / Babylon - south of Montauk Hwy	30. Cold Spring Harbor
2. West Islip / Bay Shore / Islip - south of Montauk Hwy	31. Islip Terrace / Connetquot River Park
3. Great River / Oakdale / West Sayville / Bayport - south of Montauk Hwy	32. Southhaven Park / Shirley
4. Blue Point / Patchogue / Bellport - south of Montauk Hwy	33. Westhampton
5. Shirley / Mastic / Mastic Beach - south of Montauk Hwy	34. Shinnecock Hills / Watermill
6. Speonk / Remsenburg / Westhampton Beach / East Quogue	35. Sag Harbor / Amagansett
7. Southampton / Sagaponack	36. Mattituck / Cutchogue Station
8. Wainscott / Montauk / Northwest Harbor	37. Peconic River
9. Shelter Island	38. East Setauket
10. Shinnecock Canal / North Haven	39. Kings Park
11. Flanders Bay	40. North Lindenhurst / West Babylon
12. South Jamesport	41. North Patchogue / Wading River Road
13. New Suffolk	42. Northhampton / Riverside
14. Greenport / Orient	43. Northville / Aquebogue
15. Southold along LI Sound	44. Smithtown
16. Wildwood / Reeves Park	45. Greenlawn
17. Old Field / Belle Terre / Shoreham	46. East Farmingdale / Deer Park
18. Sunken Meadow Park / Head of the Harbor	47. Melville / Dix Hills
19. Huntington Bay area	48. Huntington / Elwood / East Northport
20. Amityville / Lindenhurst / Babylon	49. Baywood / Brentwood / Central Islip
21. West Islip / Brightwaters / East Islip	50. Islandia / Bohemia
22. Oakdale / Sayville	51. Inland / Sunken Meadow Pkwy
23. Patchogue / Brookhaven / East Moriches	52. Village of the Branch
24. Riverhead / Flanders / Hampton Bays	53. Terryville / Ridge
25. North Sea Harbor / Kellis Pond / Three Mile Harbor	54. Lake Grove / Gordon Heights / Manorville
26. Waterville / Peconic	55. Medford
27. East Shoreham / Wading River	56. South Manor
28. Stony Brook / Mt. Sinai / Sound Beach	57. Baiting Hollow / Calverton
29. Nissequoque	

Figure 3-7: Evacuation Zones—Suffolk County



3 | VULNERABILITY ANALYSIS

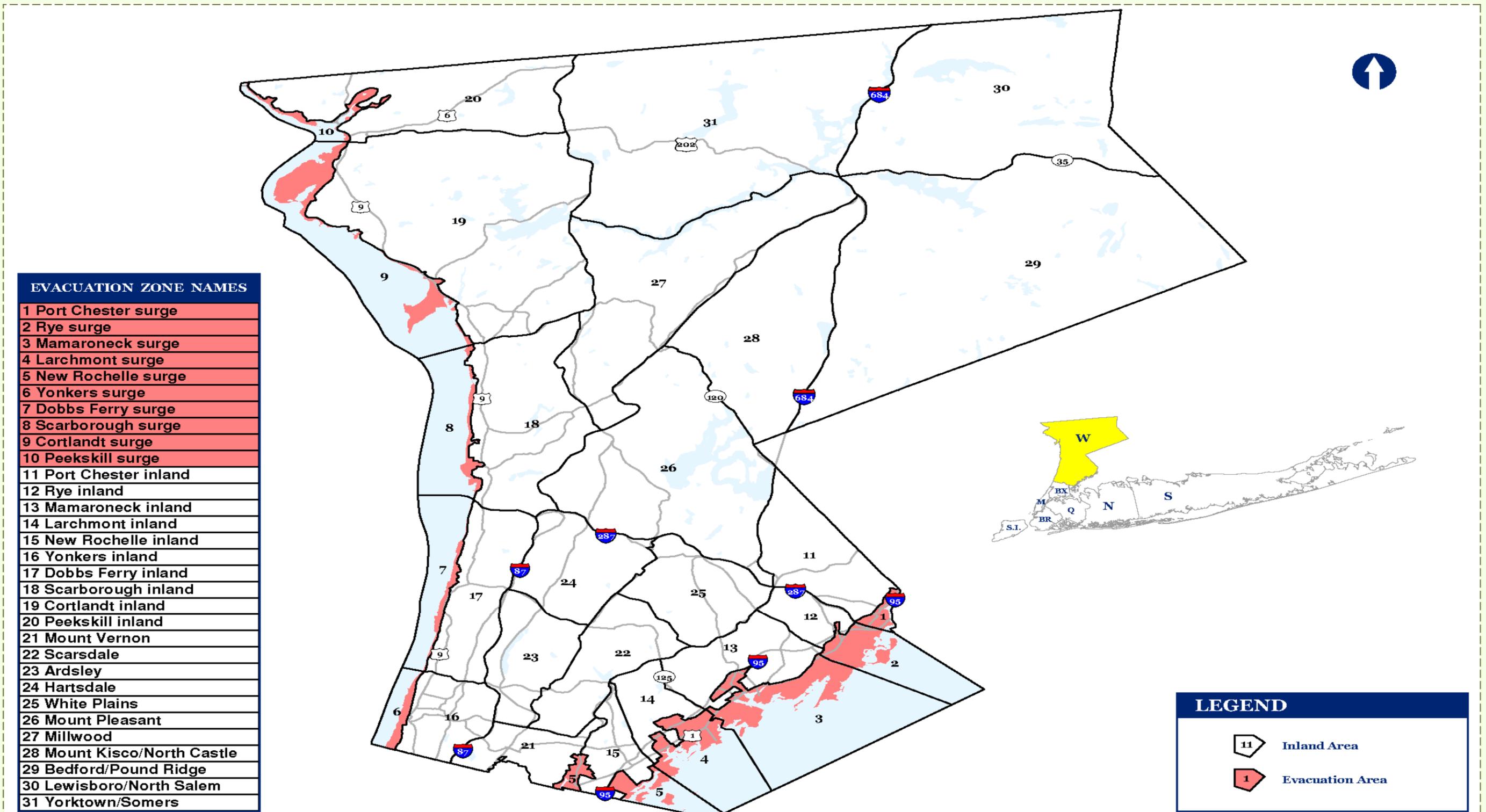


Figure 3-8: Evacuation Zones—Westchester County



3 | VULNERABILITY ANALYSIS

VULNERABLE POPULATION

For the purpose of this study, the **vulnerable population** is comprised of people residing within the **evacuation zones** subject to **storm surge** and residents of all mobile homes, which may be threatened by hurricane-force winds. The tourist population varies with the tourist season. A low (30 percent) and high (80 percent) tourist occupancy rate has been used in each borough or county for **evacuation** scenarios with the exception of Westchester County. For Westchester County, the low tourist occupancy rate used was 15 percent while the high tourist occupancy rate was 90 percent. **Table 3-2** gives estimates for the study areas of the current **vulnerable population**. These figures were taken from the recent Transportation Analysis studies for the area. The numbers in this table are cumulative. For example, in Nassau County, Category 4, Permanent Population figure includes all permanent people evacuating in category 1, 2, 3 and 4 hurricanes.

The numbers for the evacuating population may seem high particularly for the higher categories of storms. These numbers include: a 100 percent participation rate for residents and tourists in the storm surge areas, all mobile home residents regardless of location, and a small portion of the theoretical **non-vulnerable population** who relocate out of fear of what might happen due to high winds. **FEMA** requires these groups be included in evacuation assumptions and this issue is discussed with local emergency management staff when the transportation analysis is performed. The goal is to develop **clearance times** which allow everyone who is vulnerable the opportunity to evacuate whether they choose to or not. With limited hurricane evacuation experience in this area, and without knowing if the public will be knowledgeable of their individual actual risk, the numbers of evacuees will likely be less than what the study is reporting. The numbers developed should be considered an upper bound and used as a gauge for planning purposes.



3 | VULNERABILITY ANALYSIS

Borough / County	Permanent Population	Mobile Home Population	Tourist Population (High Tourist Occupancy)
New York City			
Manhattan - A	50,157	35	5,299
Manhattan - B	221,153	127	11,765
Manhattan - C	522,578	231	20,347
Brooklyn			
Brooklyn - A	128,919	136	766
Brooklyn - B	446,802	404	2,839
Brooklyn - C	1,021,363	718	4,529
Queens			
Queens - A	27,828	41	2,244
Queens - B	186,811	102	5,974
Queens - C	429,681	340	12,362
Staten Island			
Staten Island - A	53,181	460	734
Staten Island - B	60,912	465	751
Staten Island - C	110,773	512	876
Bronx			
Bronx - A	3,188	6	14
Bronx - B	13,061	11	206
Bronx - C	207,207	333	516
Nassau			
Nassau - 1	43,990	53	3,000
Nassau - 2	175,857	194	4,032
Nassau - 3	294,901	328	5,590
Nassau - 4	437,193	525	6,077
Suffolk			
Suffolk - 1	243,423	3,618	59,717
Suffolk - 2	442,596	5,039	74,239
Suffolk - 3	536,504	7,493	97,073
Suffolk - 4	683,620	10,348	98,549
Westchester - Surge			
Westchester - Surge	74,707	17	1,026

Table 3-2: Vulnerable Population



3 | VULNERABILITY ANALYSIS

CRITICAL FACILITIES

Critical facilities are those that need special consideration and planning for hurricane preparedness. Adult care facilities, hospitals, nursing homes, group homes, police stations, fire stations, emergency operations centers, prisons, drinking water treatment facilities, and major discharge treatment facilities are examples of **critical facilities**. The major discharge treatment facilities are compiled from the State Pollutant Discharge Elimination System (SPDES) database and are categorized as Industrial/State Significant, Industrial/EPA Major, Municipal/EPA Major, Municipal/State Significant, and PCI/State Significant (Private/Commercial/Institutional) and include but are not limited to such facilities as petroleum distribution terminals, power plants, ConEd substations, waste water treatment plants, and miscellaneous locations like airports, large buildings, and zoos/aquariums. [Table 3-3](#), [Table 3-4](#), [Table 3-5](#), and [Table 3-6](#) lists the critical facilities in New York City, Nassau, Suffolk and Westchester Counties with their locations, ground floor elevation, and SLOSH zone. See [Figure 3-9](#) (Manhattan), [Figure 3-10](#) (Brooklyn), [Figure 3-11](#) (Queens), [Figure 3-12](#) (Staten Island), [Figure 3-13](#) (Bronx), [Figure 3-14](#) (Nassau County), [Figure 3-15](#) (Suffolk County), and [Figure 3-16](#) (Westchester County) or the [interactive maps](#) section of the interactive DVD for Critical Facility locations. Agencies responsible for hurricane preparedness of **critical facilities** should ensure that proper attention is given to the complex task of planning and coordinating emergency response.

In addition to the **storm surge** hazards, officials should be aware of the increased potential for wind damage to upper floors of multi-story buildings. Post-hurricane surveys in other areas show that extreme winds can inflict major damage to substantial structures, exposing occupants to life-threatening danger.



3 | VULNERABILITY ANALYSIS

Table 3-3: Critical Facilities—New York City

Note: All datum is presented in +ft. NGVD format.

COUNTY	ID	FACILITY NAME	ADDRESS	CITY	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Bronx	020-F-817	Judith Lynn Home for Adults	1800 Waring Avenue	Bronx	10469	2	13	-73.83427462520	40.86071932700
Kings	331-F-270	Oceanview Manor Home for Adults	3010 West 33rd Street	Brooklyn	11224	1	5	-73.99913456110	40.57266333270
Kings	331-F-057	Surf Manor Home for Adults	2316 Surf Avenue	Brooklyn	11224	1	3	-73.98986485190	40.57388392770
Kings	331-F-276	Mermaid Manor Home for Adults	3602 Mermaid Avenue	Brooklyn	11224	1	6	-74.00178520760	40.57474723730
Kings	331-F-272	The Palm Beach Home for Adults	2900 Bragg Street	Brooklyn	11235	1	6	-73.93293294980	40.58377391350
Kings	331-F-282	Harbor View Home for Adults	3900 Shore Parkway	Brooklyn	11235	4	23	-73.93116003840	40.58540399980
Kings	331-F-274	Bayview Manor Home for Adults	2255 Cropsy Avenue	Brooklyn	11214	3	17	-73.99731382640	40.59619866100
Kings	331-F-280	Garden of Eden Home	1608-1620 Stillwell Avenue	Brooklyn	11223	4	20	-73.98722187920	40.60706957700
Kings	331-F-266	New South Shore Manor	1041 East 83rd Street	Brooklyn	11236	2	10	-73.90839601650	40.63452397510
Kings	331-F-056	Thomas Jefferson Home	650 East 104th Street	Brooklyn	11236	2	13	-73.89807635480	40.64944475190
Kings	331-S-001	Brookdale Hospital Medical Center ALP	558-578 Rockaway Parkway	Brooklyn	11212	4	27	-73.91319850690	40.65489901320
Kings	331-F-278	Brooklyn Adult Care Center	2830 Pitkin Avenue	Brooklyn	11208	3	26	-73.86785631390	40.67599507300
New York	420-S-375	NY Found.-Sr Citizens EHP4 Ridge Street Garden	80-92 Ridge Street	New York	10002	3	18	-73.98307201820	40.71956204220
New York	420-E-374	Frederic Fleming Residence	443-445 West 22nd Street	New York	10011	2	8	-74.00354000960	40.74682203690
New York	420-S-383	Carnegie East House	1844 Second Avenue	New York	10128	2	11	-73.94714097050	40.78366102650
New York	420-S-370	NY Found.-Sr Citizens EHP3	1850 Second Avenue	New York	10128	4	19	-73.94814096250	40.78433901690
New York	420-S-378	The Rev. Robert V. Lott	1261 Fifth Avenue	New York	10029	3	15	-73.95006905600	40.79504804050
New York	420-S-381	Alma Rangel Gardens	55 West 137th Street	New York	10037	3	15	-73.93856896840	40.81508397070
Queens	590-F-143	Chai Home	125-02 Ocean Promenade	Belle Harbor	11694	2	10	-73.84269542010	40.57534107910
Queens	590-E-293	Belle Harbor Manor	209 Beach 125th Street	Belle Harbor	11694	2	6	-73.84480014520	40.57746837320
Queens	590-F-313	Seaview Manor	210 Beach 47th Street	Far Rockaway	11691	1	6	-73.77787942740	40.59286929890
Queens	590-E-292	Rockaway Manor HFA	145 Beach 8th Street	Far Rockaway	11691	1	5	-73.74281159490	40.59536550310
Queens	590-F-301	Wavecrest Home for Adults	242 Beach 20th Street	Far Rockaway	11691	3	14	-73.75411866040	40.59612926740
Queens	590-F-300	Long Island Hebrew Living Center	431 Beach 20th Street	Far Rockaway	11691	4	24	-73.75423570760	40.59864196550
Queens	590-F-171	New Haven Manor	1526 New Haven Avenue	Far Rockaway	11691	2	8	-73.74927550240	40.59912005960
Queens	590-F-148	New Central Manor	1509 Central Avenue	Far Rockaway	11691	3	21	-73.75124563920	40.60576414050
Queens	590-F-141	Sanford Home	140-40 Sanford Avenue	Flushing	11355	4	17	-73.83492267590	40.75434849720
Queens	590-S-296	Sterling Glen of Forest Hills	72-06 Grand Central Parkway	Forest Hills	11375	2	10	-73.84497874500	40.73576763200
Queens	590-F-316	Castle Senior Living at Forest Hills	108-25 Horace Harding Expressway	Forest Hills	11368	3	15	-73.85417894200	40.73723548310
Queens	590-S-301	Castle Senior Living At Forest Hills	108-25 Horace Harding Expressway	Forest Hills	11368	3	15	-73.85417894200	40.73723548310
Queens	590-S-303	River View Gardens	4-12 49th Avenue	Long Island City	11101	1	4	-73.95842914460	40.74430734920
Queens	590-F-314	Surfside Manor Home for Adults	95-02 Rockaway Beach Boulevard	Rockaway Beach	11693	1	6	-73.81743158920	40.58564863070
Queens	590-F-104	Park Inn Home	115-02 Ocean Promenade	Rockaway Park	11694	2	9	-73.84009238960	40.57640547610
Queens	590-F-307	New Gloria's Manor Home for Adults	140 Beach 119th Street	Rockaway Park	11694	1	5	-73.83908570270	40.57778853790
Richmond	610-F-062	New Broadview Manor Home for Adults	70 Father Capodanno Boulevard	Staten Island	10305	2	10	-74.06287374880	40.59434537520

EOC	TYPE	AGENCY	ADDRESS	CITY	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
	FEDERAL	FEMA - REGION II	26 Federal Plaza			4	23	-74.00423196970	40.71541876300

3 | VULNERABILITY ANALYSIS

Table 3-3: Critical Facilities—New York City (continued)

BORO	CD	NAME	BLOCK	LOT	FACILITY	ADDRESS	ZIP	FACILITY T	GROUP TYPE	COUNCIL	SD	POLICE PRE	BBL	SLOSH	EVAC ZONE	CON ED	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE	
1	MN	101	Manhattan Community District 1	35	1	Engine 4 Ladder 15	42 South St	10005	2101	3	1	2	1	1000350001	1	A	Bowling Green	1	4	-74.00771462730	40.70368503190
1	MN	101	Manhattan Community District 1	52	22	Engine 10 Ladder 10	124 Liberty St	10006	2101	3	1	2	1	1000520022	2	B	Cortlandt	2	11	-74.01260640470	40.70981091270
1	MN	101	Manhattan Community District 1	93	30	Engine 6	49 Beekman St	10038	2101	3	1	2	1	1000930030	4	C	Fulton	4	22	-74.00543573440	40.70995145730
1	MN	103	Manhattan Community District 3	342	60	Ladder 18 Battalion 4	25 Pitt St	10002	2101	3	1	1	7	1003420060	4	C	Cooper Square	4	21	-73.98392568830	40.71643084610
1	MN	101	Manhattan Community District 1	189	35	Ladder 8	14 North Moore St	10013	2101	3	1	2	1	1001890035	2	B	Canal	1	9	-74.00662699580	40.71955256960
1	MN	103	Manhattan Community District 3	385	58	Engine 28 Ladder 11	222 E 2 St	10009	2101	3	2	1	9	1003850058	3	C	Cooper Square	3	17	-73.98252461290	40.72187075520
1	MN	102	Manhattan Community District 2	520	37	Engine 24 Ladder 5	227 Sixth Ave	10014	2101	3	3	2	1	1005200037	3	B	Sheridan	3	18	-74.00352498800	40.72807243430
1	MN	103	Manhattan Community District 3	455	28	Engine 5	340 E 14 St	10003	2101	3	2	1	9	1004550028	0		Cooper Square	4	24	-73.98340609020	40.73148576790
1	MN	102	Manhattan Community District 2	610	51	Engine 18	132 W 10 St	10014	2101	3	3	2	6	1006100051	3	C	Sheridan	3	18	-74.00039330670	40.73441561620
1	MN	104	Manhattan Community District 4	1071	49	Rescue Company 1	530 W 43 St	10036	2101	3	3	2	10	1010710049	3	C	Hudson	3	15	-73.99661406390	40.76071849260
1	MN	108	Manhattan Community District 8	1373	1	Special Operation Command	750 Main St - Roosevelt Island	10044	2101	3	5	2	114	1013730001	0	B	Roosevelt	4	22	-73.94953828250	40.76225552650
1	MN	111	Manhattan Community District 11	1660	30	Engine 91 D.O. 4	242 E 111 St	10029	2101	3	8	4	23	1016600030	3	C	Harlem	2	12	-73.94078887430	40.79383504930
1	MN	111	Manhattan Community District 11	1618	1	Engine 58 Ladder 26	1367 Fifth Ave	10029	2101	3	9	4	23	1016180001	4	C	Harlem	4	19	-73.94686688660	40.79861383950
1	MN	111	Manhattan Community District 11	1773	33	Engine 35 Ladder 14	2282 Third Ave	10035	2101	3	8	5	25	1017730033	4	C	Harlem	3	16	-73.93655793280	40.80333779210
1	MN	109	Manhattan Community District 9	1966	61	Engine 37 Ladder 40	415 W 125 St	10027	2101	3	7	5	26	1019660061	0		Harlem	4	22	-73.95459789320	40.81191259210
1	MN	110	Manhattan Community District 10	1918	24	Engine 59 Ladder 30	111 W 133 St	10030	2101	3	9	5	32	1019180024	4	C	Harlem	4	23	-73.94252736070	40.81320271580
1	MN	110	Manhattan Community District 10	2028	51	Engine 69 Ladder 28 Battalion 16	248 W 143 St	10030	2101	3	7	5	32	1020280051	4	C	Harlem	4	24	-73.94181984420	40.82083817210
1	MN	112	Manhattan Community District 12	2224	15	Engine 95 Ladder 36	29 Vermilyea Ave	10034	2101	3	10	6	34	1022240015	3	C	Washington Heights	2	9	-73.92507110990	40.86474658480
2	BX	209	Bronx Community District 9	3660	1	Engine 96 Ladder 54	1689 Story Ave	10473	2101	3	18	8	43	2036600001	4	C	SouthEast Bronx	3	15	-73.86941458790	40.82302408770
2	BX	210	Bronx Community District 10	5642	118	Engine 70 Ladder 53	169 Schofield St	10464	2101	3	13	11	45	2056420118	4	B	NorthEast Bronx	4	18	-73.78469332110	40.84556566250
2	BX	210	Bronx Community District 10	5141	103	Engine 66 Ladder 61	21 Asch Loop	10475	2101	3	12	11	45	2051410103	3	C	SouthEast Bronx	3	14	-73.83119573760	40.86971689950
3	BK	313	Brooklyn Community District 13	7279	290	Engine 245 Ladder 161 Battalion 43	2929 W 8 St	11224	2101	3	47	21	60	3072790290	1	A	Brighton Beach	1	5	-73.97610109090	40.57634672080
3	BK	313	Brooklyn Community District 13	7013	7	Engine 318 Ladder 166	2510 Neptune Ave	11224	2101	3	47	21	60	3070130007	1	A	Brighton Beach	1	3	-73.99300908920	40.57775158830
3	BK	315	Brooklyn Community District 15	8761	38	Engine 246 Ladder 169	2732 E 11 St	11235	2101	3	48	21	61	3087610038	1	A	Brighton Beach	1	4	-73.95941131890	40.58426628160
3	BK	315	Brooklyn Community District 15	7112	49	Engine 254 Ladder 153	901 Avenue U	11223	2101	3	47	21	61	3071120049	3	C	Ocean Parkway	3	14	-73.96200617520	40.59848797770
3	BK	311	Brooklyn Community District 11	6859	65	Engine 253	2429 86 St	11214	2101	3	47	21	62	3068590065	2	B	Ocean Parkway	2	9	-73.98835798690	40.59894656020
3	BK	315	Brooklyn Community District 15	8817	49	Engine 321 Foam Carrier	2165 Gerritsen Ave	11229	2101	3	46	22	61	3088170049	2	B	Sheepshead Bay	2	10	-73.93518609370	40.60225831250
3	BK	315	Brooklyn Community District 15	6777	64	Engine 276 Ladder 156 Battalion 33	1635 E 14 St	11229	2101	3	48	21	61	3067770064	4	C	Ocean Parkway	3	22	-73.95912954980	40.60935638510
3	BK	318	Brooklyn Community District 18	8488	16	Engine 309 Ladder 159	1851 E 48 St	11234	2101	3	46	22	63	3084880016	2	B	Flatbush	2	12	-73.92816783590	40.61524800420
3	BK	318	Brooklyn Community District 18	8364	6	Engine 323	6405 Avenue N	11234	2101	3	46	22	63	3083640006	2	B	Flatbush	2	8	-73.91585768540	40.62012538540
3	BK	314	Brooklyn Community District 14	5229	9	Engine 255 Ladder 157	1367 Rogers Ave	11210	2101	3	45	22	70	3052290009	4	C	Sheepshead Bay	3	20	-73.95063866750	40.63643590900
3	BK	318	Brooklyn Community District 18	8166	33	Engine 257 Ladder 170	1361 Rockaway Pkwy	11236	2101	3	42	18	69	3081660033	3	C	Flatbush	3	18	-73.90356856070	40.64660295330



3 | VULNERABILITY ANALYSIS

Table 3-3: Critical Facilities—New York City (continued)

BORO	CD	NAME	BLOCK	LOT	FACILITY	ADDRESS	ZIP	FACILITY T	GROUP TYPE	COUNCIL	SD	POLICE PRE	BBL	SLOSH	EVAC ZONE	CON ED	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
3	BK	317 Brooklyn Community District 17	4699	40	Engine 310 Ladder 174 Battalion 58	5105 Snyder Ave	11203	2101	3	45	18	67	3046990040	0	C	Crown Heights	4	30	-73.92887967900	40.65030214700
3	BK	316 Brooklyn Community District 16	3580	20	Engine 283 Division 15	885 Howard Ave	11212	2101	3	42	23	67	3035800020	4	C	Crown Heights	4	27	-73.91795076330	40.66095834910
3	BK	305 Brooklyn Community District 5	3804	43	Engine 290 Ladder 103	480 Sheffield Ave	11207	2101	3	42	19	75	3038040043	4	C	Richmond Hill	4	26	-73.89544593760	40.66511490640
3	BK	305 Brooklyn Community District 5	4271	75	Engine 225 Ladder 107 Battalion 39	799 Lincoln Ave	11208	2101	3	42	19	75	3042710075	3	C	Richmond Hill	2	14	-73.86538231660	40.66943687630
3	BK	306 Brooklyn Community District 6	993	5	Engine 239	395 Fourth Ave	11215	2101	3	39	15	78	3009930005	4	C	Bay Ridge	4	24	-73.98723856240	40.67177388010
3	BK	306 Brooklyn Community District 6	486	18	Engine 279 Ladder 131	252 Lorraine St	11231	2101	3	38	15	76	3004860018	2	A	Borough Hall	1	7	-73.99966473970	40.67210944940
3	BK	306 Brooklyn Community District 6	505	60	Engine 202 Ladder 101 Battalion 32	31 Richards St	11231	2101	3	38	15	76	3005050060	2	A	Borough Hall	1	8	-74.00587321100	40.68070867810
3	BK	302 Brooklyn Community District 2	134	6	Engine 207 Ladder 110 Battalion 31 Division 11	172 Tillary St	11201	2101	3	35	13	84	3001340006	3	C	Borough Hall	3	20	-73.98284167450	40.69544147700
3	BK	303 Brooklyn Community District 3	1730	49	Engine 230	701 Park Ave	11206	2101	3	36	14	79	3017300049	4	C	Williamsburg	4	23	-73.94750601060	40.69805752750
3	BK	301 Brooklyn Community District 1	2203	16	Engine 211 Ladder 119	26 Hooper St	11211	2101	3	33	14	90	3022030016	2	B	Williamsburg	2	13	-73.96228660570	40.70128018620
3	BK	301 Brooklyn Community District 1	2465	100	Engine 216 Ladder 108 Battalion 35	187 Union Ave	11211	2101	3	34	14	90	3024650100	3	C	Williamsburg	2	15	-73.95063374790	40.70640300050
3	BK	301 Brooklyn Community District 1	2465	100	Engine 216 Ladder 108	187 Union Ave	11211	2101	3	34	14	90	3024650100	3	C	Williamsburg	2	15	-73.95063374790	40.70640300050
3	BK	301 Brooklyn Community District 1	2929	53	Engine 206	1201 Grand St	11211	2101	3	34	14	90	3029290053	1	B	Ridgewood	1	5	-73.92815741470	40.71529243370
3	BK	301 Brooklyn Community District 1	2722	28	Engine 229 Ladder 146	75 Richardson St	11211	2101	3	33	14	94	3027220028	2	B	Williamsburg	2	10	-73.94902299310	40.71861100110
3	BK	301 Brooklyn Community District 1	2560	50	Engine 238 Ladder 106	205 Greenpoint Ave	11222	2101	3	33	14	94	3025600050	2	A	Williamsburg	1	8	-73.95114250370	40.73073826020
4	QN	414 Queens Community District 14	16325	100	Engine 329	402 Beach 169 St	11694	2101	3	32	27	100	4163250100	2	B		2	9	-73.88152451160	40.56600057830
4	QN	414 Queens Community District 14	16212	17	Engine 268 Ladder 137	257 Beach 116 St	11694	2101	3	32	27	100	4162120017	2	B		1	5	-73.83805336550	40.58073929010
4	QN	414 Queens Community District 14	16127	1	Engine 266 Battalion 47 Brush Fire Unit 7	92-24 Rockaway Beach Blvd	11693	2101	3	32	27	100	4161270001	2	B		1	6	-73.81652034990	40.58645454640
4	QN	414 Queens Community District 14	15926	44	Engine 265 Ladder 121	58-03 Rockaway Beach Blvd	11692	2101	3	31	27	101	4159260044	2	B		1	5	-73.78825493150	40.59189006130
4	QN	414 Queens Community District 14	15559	25	Engine 264/Ladder 134	16-19 Central Ave	11691	2101	3	31	27	101	4155590025	4	B		4	24	-73.75233512330	40.60450201870
4	QN	410 Queens Community District 10	14163	101	Engine 331 Ladder 173	158-57 Cross Bay Blvd	11414	2101	3	32	27	106	4141630101	2	B	Richmond Hill	2	7	-73.83951354870	40.65923702130
4	QN	413 Queens Community District 13	13361	200	Engine 311 Ladder 158	145-50 Springfield Blvd	11413	2101	3	31	29	105	4133610200	2	B	Jamaica	2	11	-73.75983653590	40.66359971390
4	QN	413 Queens Community District 13	13538	15	Engine 314	142-04 Brookville Blvd	11422	2101	3	31	29	105	4135380015	3	B	Jamaica	3	16	-73.74083867430	40.66415410130
4	QN	412 Queens Community District 12	12046	2	Engine 302 Ladder 155	143-15 Rockaway Blvd	11436	2101	3	28	27	113	4120460002	3	C	Jamaica	3	17	-73.79508164270	40.67404592780
4	QN	412 Queens Community District 12	10208	45	Engine 275	111-36 Merrick Blvd	11433	2101	3	27	28	113	4102080045	4	C	Jamaica	4	23	-73.78110606900	40.69343950910
4	QN	402 Queens Community District 2	46	34	Engine 258 Ladder 115	10-40 47 Ave	11101	2101	3	26	30	108	4000460034	2	B	Long Island City	2	10	-73.95175278930	40.74497829450
4	QN	401 Queens Community District 1	352	35	Engine 260 FOAM 81	11-15 37 Ave	11101	2101	3	26	30	114	4003520035	3	C	Long Island City	3	14	-73.94010089820	40.75969290460
4	QN	401 Queens Community District 1	551	16	Engine 262	30-89 21 St	11102	2101	3	22	30	114	4005510016	2	B	Long Island City	2	11	-73.92923104160	40.76751749180



3 | VULNERABILITY ANALYSIS

Table 3-3: Critical Facilities—New York City (continued)

	NAME	ADDRESS	CITY	STATE	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Group Homes	VOORHEES AVENUE IRA	3024 VOORHEES AVE	BROOKLYN	NY	11235	2	8	-73.93552216650	40.58773830230
	CANARSIE EAST IRA	1260 E. 55TH STREET	BROOKLYN	NY	11234	2	12	-73.92279872670	40.62606188110
	888 FOUNTAIN AVENUE	888 FOUNTAIN AVE	BROOKLYN	NY	11208	2	12	-73.86462748260	40.65689602020
	980 ELTON STREET	980 ELTON ST.	BROOKLYN	NY	11208	2	12	-73.87624494980	40.65947749220
	1038 CLEVELAND ST	1038 CLEVELAND STREET	BROOKLYN	NY	11208	2	12	-73.87756959210	40.65985018070
	960 ELTON STREET	960 ELTON STREET	BROOKLYN	NY	11208	2	11	-73.87656706530	40.65991785600
	LINDEN GARDENS IRA	2645 LINDEN BOULEVARD	BROOKLYN	NY	11208	2	12	-73.86670698440	40.66905907200
	WOODHAVEN BLVD. IRA	80-17 WOODHAVEN BOULEVARD	GLENDALE	NY	11418	4	30	-73.84730000000	40.68610000000
	225-04 SO CONDUIT AVE	225-04 SOUTH CONDUIT AVENUE	LAURELTON	NY	11413	3	22	-73.75223600000	40.66529200000
	32 CLIFF STREET	32 CLIFF STREET	NEW YORK	NY	10038	2	11	-74.00560958440	40.70807004150
	2 OLIVER STREET	2 OLIVER STREET	NEW YORK	NY	10038	4	26	-73.99784804200	40.71310599340
	441 E.119TH ST. APT.3	441 EAST 119TH STREET	NEW YORK	NY	10035	2	14	-73.93235601530	40.79744998430
	441 E.119TH ST. APT.2	441 EAST 119TH STREET	NEW YORK	NY	10035	2	14	-73.93235601530	40.79744998430
	441 E.119TH ST. APT.1	441 EAST 119TH STREET	NEW YORK	NY	10035	2	14	-73.93235601530	40.79744998430
	1 WEST 129TH ST. APT.#3	1 WEST 129TH STREET	NEW YORK	NY	10035	4	20	-73.94034957880	40.80893251670
	1 WEST 129TH ST. APT.#2	1 WEST 129TH STREET	NEW YORK	NY	10027	4	21	-73.94049300610	40.80899212340
	1 WEST 129TH ST. APT.#1	1 WEST 129TH STREET	NEW YORK	NY	10027	4	21	-73.94049300610	40.80899212340
	10 RIVER ROAD 21C	10 RIVER ROAD	ROOSEVELT ISLAND	NY	10044	2	12	-73.94748167630	40.76520481390
	10 RIVER ROAD #14L	10 RIVER ROAD	ROOSEVELT ISLAND	NY	10044	2	12	-73.94748167630	40.76520481390
	130-15 140TH ST	130-15 140TH STREET	SOUTH OZONE PARK	NY	11436	3	18	-73.79930000000	40.67130000000
SIDDSO_598 MILL RD_IRA	598 MILL ROAD	STATEN ISLAND	NY	10306	1	3	-74.11700978500	40.55477597190	
SIDDSO_596 MILL RD_IRA	596 MILL ROAD	STATEN ISLAND	NY	10306	1	4	-74.11695289920	40.55486997940	



3 | VULNERABILITY ANALYSIS

Table 3-3: Critical Facilities—New York City (continued)

PFI	LABEL	NAME	ADDRESS	ZIP	CITY	TYPE	BEDS	STATUS	SLOSH	EVAC ZONE	CON ED	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
1172	LINCOLN	Lincoln Medical and Mental Health Center	234 East 149th St	10451	Bronx	Health & Hospitals Corporation (HHC)	347	Hospital	4	C	West Bronx	3	14	-73.92450120210	40.81676252800
1175	CALVARY	Calvary Hospital	1740 Eastchester Rd	10461	Bronx	Not-For-Profit	225	Hospital	4	C	SouthEast Bronx	3	15	-73.84366031960	40.84797262280
1294	CONEY ISLAND	Coney Island Hospital	2601 Ocean Parkway	11235	Brooklyn	Health & Hospitals Corporation (HHC)	364	Hospital	1	A	Brighton Beach	1	4	-73.96486320110	40.58563003380
630	VA - BRKLN	Veterans Administration NY Harbor Health Care System/ Brooklyn Campus	800 Poly Place	11209	Brooklyn	Veterans Administration	180	Hospital	4	C	Bay Ridge	4	21	-74.02433124890	40.60786653460
1293	NY COMM BROOKLYN	New York Community Hospital of Brooklyn	2525 Kings Highway	11229	Brooklyn	Not-For-Profit	134	Hospital	3	C	Sheepshead Bay	3	18	-73.94851433080	40.61390496830
1324	BETH ISRAEL KINGS HWY	Beth Israel Medical Center - Kings Highway Division	3201 Kings Highway	11234	Brooklyn	Proprietary	212	Hospital	4	C	Sheepshead Bay	3	22	-73.94298459510	40.61872766600
1286	BROOKDALE	Brookdale University Hospital and Medical Center	1 Brookdale Plaza	11212	Brooklyn	Not-For-Profit	530	Hospital	4	C	Crown Heights	4	24	-73.91210408570	40.65469263880
1315	KINGSBROOK JEWISH	Kingsbrook Jewish Medical Center	585 Schenectady Ave	11203	Brooklyn	Not-For-Profit	326	Hospital	0		Crown Heights	4	29	-73.93295328150	40.65957624230
1692	WOODHULL	Woodhull Medical and Mental Health Center	760 Broadway	11206	Brooklyn	Health & Hospitals Corporation (HHC)	411	Hospital	4	C	Ridgewood	3	18	-73.94277215550	40.69947414270
1632	PENINSULA	Peninsula Hospital Center	51-15 Beach Channel Dr	11691	Far Rockaway	Not-For-Profit	272	Hospital	2	B		2	8	-73.78266869590	40.59409733460
1437	NY DOWNTOWN	NY Downtown Hospital (NYU Beekman)	170 William St	10038	New York	Not-For-Profit (Mount Sinai NYU Health)	254	Hospital	4	C	Fulton	3	22	-74.00530476510	40.71061033030
1439	BETH ISRAEL PETRIE	Beth Israel Medical Center - Milton and Carroll Petrie Division	354 East16th St	10003	New York	Not-For-Profit	899	Hospital	4	C	Madison Square	3	20	-73.98233122340	40.73333194700
1446	JOINT DISEASES	NYU Hospital for Joint Diseases Orthopaedic Institute	301 East 17th St	10003	New York	Not-For-Profit	190	Hospital	4	C	Madison Square	4	21	-73.98300513980	40.73438969970
1471	ST VINCENT'S - MANHATTAN	St. Vincent Catholic Medical Center - St Vincent's Manhattan Hospital	153 West 11th St	10011	New York	Not-For-Profit	727	Hospital	4	C	Sheridan	3	20	-74.00000679780	40.73652737700
630	VA - MANH	Veterans Administration NY Harbor Health Care System/ Manhattan Campus	423 East 23rd St	10010	New York	Veterans Administration	181	Hospital	2	A	Madison Square	1	8	-73.97686089130	40.73707352820
1438	BELLEVUE	Bellevue Hospital Center	462 First Ave	10016	New York	Health & Hospitals Corporation (HHC)	912	Hospital	2	B	Madison Square	2	11	-73.97510016400	40.73923277510
1463	NYU	NYU Hospitals Center / NYU Medical Center - Tisch Hospital & Rusk Institute	550 First Ave	10016	New York	Not-For-Profit	879	Hospital	3	A	Kips Bay	2	15	-73.97432897150	40.74207666960
	GOLDWATER	Goldwater Memorial Hospital	Roosevelt Island	10044	New York		0	Long Term	3	B	Roosevelt	3	15	-73.95632243690	40.75468508210
1447	SPECIAL SURGERY	Hospital for Special Surgery	535 East 70th St	10021	New York	Not-For-Profit	160	Hospital	3	C	Lenox Hill	2	11	-73.95240124100	40.76509288060
	GOLDWATER COLER	Goldwater Memorial Hospital - Coler Site	Roosevelt Island	10044	New York		0	Long Term	2	B	Roosevelt	1	7	-73.94207366100	40.77046516460
1454	METROPOLITAN	Metropolitan Hospital Center	1901 First Ave	10029	New York	Health & Hospitals Corporation (HHC)	363	Hospital	2	B	Yorkville	1	10	-73.94493442070	40.78504017830
1445	HARLEM	Harlem Hospital Center	506 Lenox Ave	10037	New York	Health & Hospitals Corporation (HHC)	286	Hospital	4	C	Harlem	3	17	-73.93980927900	40.81412464210
1740	SI UNIV - NORTH	Staten Island University Hospital - North	475 Seaview Ave	10305	Staten Island	Not-For-Profit	508	Hospital	2	A	Fox Hills	2	11	-74.08603597380	40.58495419140

3 | VULNERABILITY ANALYSIS

Table 3-3: Critical Facilities—New York City (continued)

BORO	CD	NAME	BLOCK	LOT	FACILITY	ADDRESS	ZIP	CAP	BBL	SLOSH	EVAC ZONE	CON ED	LABEL	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE	
1	MN	103	Manhattan Community District 3	243	80	ST. ROSE'S HOME	71 Jackson St	10002	60	1002430080	2	B	Cooper Square	ST. ROSE'S	2	11	-73.98091865510	40.71122906370
1	MN	103	Manhattan Community District 3	270	32	NEW GOUVERNEUR HOSPITAL SNF	227 Madison St	10002	210	1002700032	3	C	Cooper Square	NEW GOUVERNEUR	3	20	-73.98777532520	40.71313486150
1	MN	103	Manhattan Community District 3	336	29	NEW EAST SIDE NURSING HOME	25 Bialystoker Place	10002	58	1003360029	3	C	Cooper Square	NEW EAST SIDE	3	19	-73.98293373170	40.71618641920
1	MN	103	Manhattan Community District 3	400	31	CABRINI CTR FOR NURSING & REHAB	542 E 5 St	10009	240	1004000031	3	C	Cooper Square	CABRINI	3	17	-73.98255658010	40.72378660100
1	MN	106	Manhattan Community District 6	923	18	ROBERT MAPPLETHORPE RESID TRTMENT FAC.	327 E 17 St	10003	28	1009230018	3	C	Madison Square	MAPPLETHORPE	3	18	-73.98233020230	40.73396412160
1	MN	102	Manhattan Community District 2	624	15	VILLAGE CENTER FOR CARE	607 Hudson St	10014	200	1006240015	3	C	Sheridan	VILLAGE CENTER	3	16	-74.00613440750	40.73737978630
1	MN	108	Manhattan Community District 8	1373	20	GOLDWATER MEMORIAL HOSPITAL RHC	Roosevelt Island	10044	574	1013730020	3	B	Roosevelt	GOLDWATER RHC	3	15	-73.95632249110	40.75469103720
1	MN	108	Manhattan Community District 8	1373	50	GOLDWATER MEM HOSP RHC COLER SITE	Roosevelt Island	10044	815	1013730050	2	B	Roosevelt	GOLDWATER COLER	1	7	-73.94207324720	40.77046428190
1	MN	111	Manhattan Community District 11	1773	7	NORTHERN MANHATTAN REHAB & NURSING CTR	116 E 125 St	10035	320	1017730007	4	C	Harlem	NORTHERN MANHATTAN	4	19	-73.93843155080	40.80445865570
1	MN	110	Manhattan Community District 10	1735	47	GREATER HARLEM NURSING HOME	30 W 138 St	10037	200	1017350047	3	B	Harlem	GREATER HARLEM	3	12	-73.93760897020	40.81497324920
2	BX	209	Bronx Community District 9	3604	1	GRAND MANOR NURSING & REHAB CTR	700 White Plains Road	10473	240	2036040001	4	C	SouthEast Bronx	GRAND MANOR	4	19	-73.85729491940	40.82023755780
2	BX	209	Bronx Community District 9	3732	20	BRONX CTR FOR REHAB & HEALTH CARE	1010 Underhill Ave	10472	200	2037320020	4	C	SouthEast Bronx	BRONX CENTER	4	19	-73.86086903210	40.82672769860
2	BX	210	Bronx Community District 10	5434	29	THROGS NECK EXTENDED CARE FACILITY	727 Throgs Neck Expwy	10465	205	2054340029	3	C	SouthEast Bronx	THROGS NECK	3	15	-73.81985870570	40.82905334470
2	BX	210	Bronx Community District 10	5409	100	PROVIDENCE REST	3304 Waterbury Ave	10465	200	2054090100	2	C		PROVIDENCE REST	2	6	-73.81658365590	40.83737565730
2	BX	211	Bronx Community District 11	4416	1	GOLD CREST CARE CENTER	2316 Bruner Ave	10469	175	2044160001	3	C	SouthEast Bronx	GOLD CREST	2	13	-73.83304436350	40.85922933690
2	BX	211	Bronx Community District 11	4423	1	KINGS HARBOR MULTICARE CENTER	2000 East Gunhill Road	10469	720	2044230001	3	C	SouthEast Bronx	KINGS HARBOR	3	14	-73.83034356580	40.86077341090
2	BX	210	Bronx Community District 10	5141	270	HEBREW HOSPITAL HOME	801 Coop City Blvd	10475	480	2051410270	3	C	SouthEast Bronx	HEBREW HOME	3	14	-73.82929365260	40.87967186300
2	BX	208	Bronx Community District 8	5714	141	MANHATTANVILLE HEALTH CARE CTR	311 W 231 St	10463	200	2057140141	4	C	Riverdale	MANHATTANVILLE	3	15	-73.90859837820	40.88127424060
3	BK	313	Brooklyn Community District 13	7069	1	SS JOACHIM & ANNE RESIDENCE	2720 Surf Ave	11224	200	3070690001	1	A	Brighton Beach	SS JOACHIM & ANNE	1	5	-73.99315364840	40.57223454150
3	BK	313	Brooklyn Community District 13	7070	148	SEA-CREST HEALTH CARE CENTER	3035 W 24 St	11224	320	3070700148	2	A	Brighton Beach	SEA-CREST	2	8	-73.98997521620	40.57241272000
3	BK	313	Brooklyn Community District 13	7068	14	SHOREFRONT JEWISH GERIATRIC CENTER	3015 W 29 St	11224	360	3070680014	1	A	Brighton Beach	SHOREFRONT JEWISH	1	5	-73.99426229510	40.57242124850
3	BK	315	Brooklyn Community District 15	8760	200	MENORAH HOME & HOSPITAL FOR AGED & INFIRM	1516 Oriental Blvd	11235	253	3087600200	2	A	Brighton Beach	MENORAH	2	11	-73.93831798530	40.57619540680
3	BK	313	Brooklyn Community District 13	7261	8	SHORE VIEW NURSING HOME	2865 Brighton 3 St	11235	320	3072610008	1	A	Brighton Beach	SHORE VIEW	1	5	-73.96536400130	40.58128188620
3	BK	315	Brooklyn Community District 15	8808	45	SHEEPSHEAD NURSING & REHAB CTR	2840 Knapp St	11235	200	3088080045	3	B	Sheepshead Bay	SHEEPSHEAD	2	12	-73.93184710960	40.58530175280
3	BK	311	Brooklyn Community District 11	6471	109	HAYM SALOMON HOME FOR THE AGED	2300 Cropsey Ave	11214	240	3064710109	3	B	Ocean Parkway	HAYM SALOMON	3	16	-73.99719497950	40.59528281020
3	BK	311	Brooklyn Community District 11	6471	13	SEPHARDIC SKILLED NURSING & REHAB CTR	2266 Cropsey Ave	11214	271	3064710013	3	B	Ocean Parkway	SEPHARDIC	3	14	-73.99781789980	40.59581531450
3	BK	315	Brooklyn Community District 15	7363	9	CROWN NURSING & REHAB CENTER	3457 Nostrand Ave	11229	189	3073630009	2	B	Sheepshead Bay	CROWN	2	11	-73.94116270600	40.59968690800
3	BK	311	Brooklyn Community District 11	6381	27	LEMBERG HOME & GERIATRIC CENTER	8629 Bay Parkway	11214	45	3063810027	3	B	Ocean Parkway	LEMBERG	2	11	-73.99422381680	40.60113186350
3	BK	314	Brooklyn Community District 14	5185	42	DITMAS PARK CARE CENTER	2107 Ditmas Ave	11226	200	3051850042	4	C	Flatbush	DITMAS PARK	4	27	-73.95764051480	40.64024572130
3	BK	318	Brooklyn Community District 18	8205	11	FOUR SEASONS NURSING & REHAB CTR	1555 Rockaway Parkway	11236	270	3082050011	3	C	Flatbush	FOUR SEASONS	3	18	-73.89907722930	40.64268777880

3 | VULNERABILITY ANALYSIS

Table 3-3: Critical Facilities—New York City (continued)

BORO	CD	NAME	BLOCK	LOT	FACILITY	ADDRESS	ZIP	CAP	BBL	SLOSH	EVAC ZONE	CON ED	LABEL	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE	
3	BK	318	Brooklyn Community District 18	8172	27	RIVER MANOR CARE CENTER	630 E 104 St	11236	380	3081720027	3	B	Flatbush	RIVER MANOR	2	12	-73.89871022750	40.64945335340
3	BK	317	Brooklyn Community District 17	4718	20	SCHULMAN & SCHACHNE INST FOR NURSING & REHAB	555 Rockaway Pkwy	11212	448	3047180020	4	C	Crown Heights	SCHULMAN & SCHACHNE	4	27	-73.91337666200	40.65555326520
3	BK	309	Brooklyn Community District 9	4602	5	RUTLAND NURSING HOME CO INC	585 Schenectady Ave	11203	538	3046020005	0		Crown Heights	RUTLAND	4	30	-73.93377880580	40.65957420180
3	BK	305	Brooklyn Community District 5	4335	1	RUBY WESTON MANOR	2227 Linden Blvd	11207	240	3043350001	3	C	Richmond Hill	RUBY WESTON	2	13	-73.88139754860	40.66386612880
3	BK	305	Brooklyn Community District 5	4469	1	BROOKLYN-QUEENS NURSING HOME	2749 Linden Blvd	11208	140	3044690001	2	B	Richmond Hill	BROOKLYN - QUEENS	2	6	-73.86247207540	40.67000160330
3	BK	305	Brooklyn Community District 5	4289	1	BROOKLYN METHODIST CHURCH HOME	1485 Dumont Ave	11208	120	3042890001	3	C	Richmond Hill	BROOKLYN METHODIST	2	15	-73.86316824230	40.67154774400
3	BK	306	Brooklyn Community District 6	300	17	COBBLE HILL NURSING HOME	380 Henry St	11201	520	3003000017	4	C	Borough Hall	COBBLE HILL	4	24	-73.99782929030	40.68849023580
3	BK	301	Brooklyn Community District 1	2230	13	AISHEL ABRAHAM RESIDENTIAL HEALTH FACILITY	40 Heyward St	11211	200	3022300013	2	B	Williamsburg	AISHEL ABRAHAM	1	4	-73.95793781390	40.70021371010
4	QN	414	Queens Community District 14	16187	30	PARK NURSING HOME	128 Beach 115 St	11694	196	4161870030	2	B		PARK	2	10	-73.83493021050	40.57861036410
4	QN	414	Queens Community District 14	16186	36	PROMENADE REHAB & HLTH CARE CTR	140 Beach 114 St	11694	240	4161860036	2	B		PROMENADE	2	10	-73.83413048310	40.57883154120
4	QN	414	Queens Community District 14	16185	41	OCEAN PROMENADE NURSING CTR	140 Beach 113 St	11694	120	4161850041	3	B		OCEAN PROMENADE	2	12	-73.83329482650	40.57902246880
4	QN	414	Queens Community District 14	15908	9	HORIZON CARE CENTER	64-11 Beach Channel Drive	11692	280	4159080009	2	B		HORIZON	1	6	-73.79356408170	40.59246240720
4	QN	414	Queens Community District 14	16041	6	RESORT NURSING HOME	430 Beach 68 St	11692	280	4160410006	2	B		RESORT	1	4	-73.79677249850	40.59356879330
4	QN	414	Queens Community District 14	15890	42	LAWRENCE NURSING HOME INC	3-50 Beach 54 St	11692	200	4158900042	2	B		LAWRENCE	1	6	-73.78400962740	40.59416858470
4	QN	414	Queens Community District 14	15840	6	ROCKAWAY CARE CENTER	353 Beach 48 St	11691	228	4158400006	2	B		ROCKAWAY	1	6	-73.77939582030	40.59454683800
4	QN	414	Queens Community District 14	15842	100	PENINSULA CTR FOR EXTENDED CARE & REHAB	50-15 Beach Channel Drive	11691	200	4158420100	2	B		PENINSULA	1	6	-73.78148057150	40.59457552440
4	QN	414	Queens Community District 14	15627	45	WEST LAWRENCE CARE CENTER	1410 Seagirt Blvd	11691	215	4156270045	2	A		WEST LAWRENCE	1	6	-73.74883544590	40.59567535340
4	QN	414	Queens Community District 14	15631	17	BROOKHAVEN REHAB & RESIDENTIAL HEALTH CARE CTR	250 Beach 17 St	11691	298	4156310017	2	A		BROOKEHAVEN	1	7	-73.75069395560	40.59651107790
4	QN	414	Queens Community District 14	15616	11	OCEANVIEW NURSING HOME	3-15 Beach 9 St	11691	102	4156160011	2	A		OCEANVIEW	1	6	-73.74514743320	40.59776152380
4	QN	414	Queens Community District 14	15633	1	BISHOP CHARLES WALDO MCLEAN EPISCOPAL NH	17-11 Brookhaven Ave	11691	163	4156330001	3	B		BISHOP MCLEAN	3	14	-73.75143186150	40.59851913230
4	QN	414	Queens Community District 14	15787	54	BEZALEL NURSING HOME	29-38 Far Rockaway Blvd	11691	120	4157870054	2	B		BEZALEL	2	12	-73.76474781690	40.59865695470
4	QN	414	Queens Community District 14	15568	1	QUEENS NASSAU NURSING HOME	520 Beach 19 St	11691	200	4155680001	4	B		QUEENS NASSAU	4	23	-73.75205723830	40.59981054250
4	QN	414	Queens Community District 14	15574	8	HAVEN MANOR HEALTH CARE CTR	14-41 Gateway Blvd	11691	240	4155740008	3	B		HAVEN MANOR	3	15	-73.74978904550	40.60064553810
4	QN	414	Queens Community District 14	15762	53	NEW SURFSIDE NURSING HOME	22-41 New Haven Ave	11691	183	4157620053	4	B		NEW SURFSIDE	4	24	-73.75707341480	40.60082585560
4	QN	414	Queens Community District 14	15505	1	FAR ROCKAWAY NURSING HOME	13-11 Virginia St	11691	100	4155050001	4	B		FAR ROCKAWAY	4	20	-73.74576669840	40.61008159290
4	QN	412	Queens Community District 12	12406	100	NYS VETERANS HOME IN NYC	178-50 Linden Blvd	11434	250	4124060100	4	C	Jamaica	NYS VETERANS HOME	3	22	-73.76834100230	40.69016470400
4	QN	406	Queens Community District 6	2245	46	FAIRVIEW NURSING CARE CTR	69-70 Grand Central Pkwy	11375	200	4022450046	0		Rego Park	FAIRVIEW	2	13	-73.83824136630	40.72458830050
4	QN	404	Queens Community District 4	1972	38	REGO PARK NURSING HOME	111-26 Corona Ave	11368	200	4019720038	4	C	Rego Park	REGO PARK	2	10	-73.84904049840	40.74006419120
4	QN	407	Queens Community District 7	4256	110	CLIFFSIDE REHAB & RESIDENTIAL HEALTH CARE CTR	119-19 Graham Court	11354	218	4042560110	1		Flushing	CLIFFSIDE	1	4	-73.84875797440	40.77550126950



3 | VULNERABILITY ANALYSIS

Table 3-3: Critical Facilities—New York City (continued)

	BORO	CD	NAME	BLOCK	LOT	FACILITY	ADDRESS	ZIP	CAP	Council	SD	Instruct R	POLICE PRE	TBL	BBL	SLOSH	EVAC ZONE	CON ED	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE	
Police Stations	1	MN	103	Manhattan Community District 3	342	60	7TH PRECINCT	19 Pitt St	10002	0	1	1	9	7	3420060	1003420060	4	C	Cooper Square	4	21	-73.98392568830	40.71643084610
	1	MN	101	Manhattan Community District 1	190	33	1ST PRECINCT	16 Ericsson Place	10013	0	1	2	9	1	1900033	1001900033	2	B	Canal	2	12	-74.00712129870	40.72024421890
	1	MN	102	Manhattan Community District 2	620	33	6TH PRECINCT	233 W 10 St	10014	0	3	2	9	6	6200033	1006200033	3	C	Sheridan	3	20	-74.00543048400	40.73405318110
	1	MN	106	Manhattan Community District 6	901	6	13TH PRECINCT	230 E 21 St	10010	0	2	2	9	13	9010006	1009010006	3	C	Madison Square	3	18	-73.98285629600	40.73675012560
	1	MN	104	Manhattan Community District 4	769	55	10TH PRECINCT	230 W 20 St	10011	0	3	2	9	10	7690055	1007690055	3	C	Chelsea	3	21	-73.99866836730	40.74266633370
	1	MN	111	Manhattan Community District 11	1767	62	25TH PRECINCT	120 E 119 St	10035	0	8	4	9	25	17670062	1017670062	0	C	Harlem	4	21	-73.94112591690	40.80068057530
	1	MN	110	Manhattan Community District 10	1949	29	28TH PRECINCT	2271-89 Frederick Douglass Blvd	10027	0	9	5	10	28	19490029	1019490029	0		Harlem	4	24	-73.95262056020	40.80864557660
	2	BX	209	Bronx Community District 9	3660	3	43RD PRECINCT	900 Fteley Ave	10473	0	18	8	2	43	36600003	2036600003	4	C	SouthEast Bronx	3	14	-73.86975037060	40.82314523480
	2	BX	208	Bronx Community District 8	5760	134	50TH PRECINCT	3450 Kingsbridge Ave	10463	0	11	10	1	50	57600134	2057600134	4	C	Riverdale	4	15	-73.90233556010	40.88333311820
	3	BK	313	Brooklyn Community District 13	7279	290	60TH PRECINCT	2951 W 8 St	11224	0	47	21	7	60	72790290	3072790290	1	A	Brighton Beach	1	5	-73.97610109090	40.57634672080
	3	BK	315	Brooklyn Community District 15	7371	52	61ST PRECINCT	2575 Coney Island Ave	11223	0	48	21	7	61	73710052	3073710052	2	B	Brighton Beach	2	8	-73.96044955020	40.59410675370
	3	BK	311	Brooklyn Community District 11	6407	1	62ND PRECINCT	1925 Bath Ave	11214	0	43	20	7	62	64070001	3064070001	4	C	Park Slope	4	22	-74.00266847150	40.60234243250
	3	BK	318	Brooklyn Community District 18	7599	67	63RD PRECINCT	1844 Brooklyn Ave	11210	0	45	22	6	63	75990067	3075990067	4	C	Sheepshead Bay	3	21	-73.94167456370	40.62795854800
	3	BK	318	Brooklyn Community District 18	8147	26	69TH PRECINCT	9720 Foster Ave	11236	0	42	18	6	69	81470026	3081470026	3	C	Flatbush	2	16	-73.90494617560	40.64839370020
	3	BK	307	Brooklyn Community District 7	668	29	72ND PRECINCT	830 Fourth Ave	11232	0	38	15	8	72	6680029	3006680029	3	C	Bay Ridge	3	20	-74.00104882000	40.65818244100
	3	BK	305	Brooklyn Community District 5	4051	16	75TH PRECINCT/ ESU #7	1000 Sutter Ave	11208	0	42	19	5	75	40510016	3040510016	4	C	Richmond Hill	4	29	-73.88143161440	40.67106297670
	3	BK	302	Brooklyn Community District 2	134	6	84TH PRECINCT	301 Gold St	11201	0	35	13	8	84	1340006	3001340006	3	C	Borough Hall	3	20	-73.98284167450	40.69544147700
	3	BK	301	Brooklyn Community District 1	2465	100	90TH PRECINCT	211 Union Ave	11211	0	34	14	8	90	24650100	3024650100	3	C	Williamsburg	2	15	-73.95063374790	40.70640300050
	3	BK	301	Brooklyn Community District 1	2619	3	94TH PRECINCT	100 Meserole Ave	11222	0	33	14	8	94	26190003	3026190003	4	B	Williamsburg	4	18	-73.95289518300	40.72685790480
	4	QN	414	Queens Community District 14	16127	1	100TH PRECINCT	92-24 Rockaway Beach Blvd	11693	0	32	27	5	100	161270001	4161270001	2	B		1	6	-73.81652034990	40.58645454640
4	QN	414	Queens Community District 14	15892	1	101ST PRECINCT - ROCKAWAY SATELLITE	349 Beach 54 St	11692	0	31	27	5	101	158920001	4158920001	2	B		1	6	-73.78529686880	40.59361654610	
4	QN	414	Queens Community District 14	15557	4	101ST PRECINCT	16-12 Mott Ave	11691	0	31	27	5	101	155570004	4155570004	0	B		4	27	-73.74993547310	40.60289385460	
4	QN	412	Queens Community District 12	12495	45	113TH PRECINCT	167-02 Baisley Blvd	11434	0	28	28	3	113	124950045	4124950045	3	C	Jamaica	3	20	-73.77590526710	40.67972755840	
4	QN	402	Queens Community District 2	32	6	108TH PRECINCT	5-47 50 Ave L.I.C.	11101	0	26	30	4	108	320006	4000320006	2	B	Long Island City	2	11	-73.95476751120	40.74306368240	
5	SI	502	Staten Island Community District 2	3906	1	122ND PRECINCT	2320 Hylan Blvd	10306	0	50	31	7	122	39060001	5039060001	3	A	Fox Hills	2	13	-74.10551965150	40.57369592580	



3 | VULNERABILITY ANALYSIS

Table 3-3: Critical Facilities—New York City (continued)

	NAME	FACILITY	ADDRESS	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
State Prisons	STATEN ISLAND COMMUNITY DISTRICT 3	ARTHUR KILL CORRECTIONAL FAC.	2911 Arthur Kill Road	10309	3	17	-74.22989083310	40.55279099960
	QUEENS COMMUNITY DISTRICT 2	QUEENSBORO CORRECTIONAL FACILITY	47-04 Van Dam St	11101	3	16	-73.93455175180	40.74240346300
	MANHATTAN COMMUNITY DISTRICT 4	BAYVIEW CORRECTIONAL FACILITY	550 W 20 St	10011	1	7	-74.00753190680	40.74639072040
	MANHATTAN COMMUNITY DISTRICT 10	LINCOLN CORRECTIONAL FACILITY	31-33 W 110 St	10026	4	19	-73.95062379240	40.79775366520

	BOROUGH	FACILITY NAME	ADDRESS	ZIP	FACILITY	CAPACITY	SLOSH	EVAC ZONE	ELEVATION (ft)	LONGITUDE	LATITUDE
City Prisons	MN	MANHATTAN DETENTION COMPLEX (MDC)	125 White St	10013	2521	898	3	B	13	-74.00088018170	40.71574851910
	BK	BROOKLYN DETENTION COMPLEX (BKDC)	275 Atlantic Ave	11201	2521	759	0		33	-73.98960790530	40.68909089140
	BK	CROSSROADS JUVENILE CENTER	17 Bristol St	11212	2532	129	0		45	-73.91241979910	40.67064334130
	QN	QUEENS DETENTION COMPLEX (QDC)	126-02 82 Ave	11415	2521	467	0		70	-73.82557268590	40.71284416930
	BX	BRIDGE JUVENILE CENTER	1221 Spofford Ave	10474	2532	125	0		35	-73.89030158940	40.81453721500
	BX	VERNON C BAIN CENTER (VCBC)	1 Halleck St	10474	2521	870	2	B	7	-73.87725496060	40.80349301090
	BX	ANNA M. KROSS CENTER (AMKC)	18-18 Hazen St	11370	2521	2388	4	C	16	-73.88154055470	40.79036670250
	BX	BRONX DETENTION COMPLEX (BXDC)	653 River Ave	10451	2521	469	3	B	12	-73.92971893080	40.82175640150
	BX	HORIZON JUVENILE CENTER	560 Brook Ave	10455	2532	129	4	C	12	-73.91355895870	40.81526239030
	BX	ROBERT N. DAVOREN CENTER	11-11 Hazen St	11370	2521	2238	4	C	16	-73.88154055470	40.79036670250
	BX	ERIC M TAYLOR CENTER (EMTC)	10-10 Hazen St	11370	2521	2351	4	C	16	-73.88154055470	40.79036670250
	BX	GEORGE MOTCHEN DETENTION CENTER (GMDC)	15-15 Hazen St	11370	2521	2978	4	C	16	-73.88154055470	40.79036670250
	BX	GEORGE R VIerno CENTER (GRVC)	9-09 Hazen St	11370	2521	1330	4	C	16	-73.88154055470	40.79036670250
	BX	JAMES A THOMAS CENTER (JATC)	14-14 Hazen St	11370	2521	1194	4	C	16	-73.88154055470	40.79036670250
	BX	OTIS BANTUM CORRECTIONAL CENTER (OBCC)	16-00 Hazen St	11370	2521	1647	4	C	16	-73.88154055470	40.79036670250
	BX	ROSE M. SINGER CENTER (RMSC)	19-19 Hazen St	11370	2521	1139	4	C	16	-73.88154055470	40.79036670250
BX	NORTH INFIRMARY COMMAND (NIC)	14-14 Hazen St	11370	2521	475	4	C	16	-73.88154055470	40.79036670250	
BX	WEST FACILITY	16-06 Hazen St	11370	2521	940	4	C	16	-73.88154055470	40.79036670250	



3 | VULNERABILITY ANALYSIS

Table 3-3: Critical Facilities—New York City (continued)

	FACILITY CITY	OWNER NAME	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Major Discharge Treatment	Arverne	Benjamin-Beechwood LLC	1	4	-73.79688272410	40.59103299020
	Astoria	NYC Dept of Environmental Protection	2	10	-73.88758646510	40.77143617020
	Astoria	J B Waste Oil Company	2	11	-73.89626732530	40.77815867940
	Astoria	Astoria Energy LLC	2	9	-73.89663372960	40.78251320930
	Astoria	Consolidated Edison Company of New York Inc	1	20	-73.91147776190	40.78430272630
	Astoria	Consolidated Edison Company of New York Inc	3	15	-73.90144653790	40.78531568090
	Astoria	Astoria Generating Company LP	1	7	-73.90366926950	40.78708443780
	Astoria	New York Power Authority	1	8	-73.90956518160	40.78892395780
	Bronx	Castle Port Morris Terminals Inc	2	9	-73.90786503840	40.80081687370
	Bronx	NYC Dept of Environmental Protection	2	12	-73.88155828450	40.80374478130
	Bronx	Stuyvesant Fuel Terminal Company LLC	1	8	-73.90350102330	40.80451392740
	Brooklyn	Wildlife Conservation Society	2	11	-73.97520337000	40.57415897120
	Brooklyn	U S National Park Service	2	9	-73.88716438030	40.58047918760
	Brooklyn	NYC Dept of Environmental Protection	2	11	-73.92958292630	40.58560061040
	Brooklyn	Bayside Fuel Oil Depot Corp	1	6	-73.99791165610	40.58913243750
	Brooklyn	A R Fuels Inc	2	9	-73.91356383280	40.61601726840
	Brooklyn	NYC Dept of Environmental Protection	1	9	-74.03396329430	40.64262661660
	Brooklyn	NYC Dept of Environmental Protection	3	22	-73.87826394730	40.65065096560
	Brooklyn	Astoria Generating Company LP	1	8	-74.00179739570	40.66153228940
	Brooklyn	Hess Corporation	1	-3	-74.00145012520	40.66815958300
	Brooklyn	One Beard Street LLC	1	4	-74.01191839830	40.67151074250
	Brooklyn	Bayside Fuel Oil Depot Corp	1	5	-74.00021336560	40.67175229850
	Brooklyn	Universal Fixture Corp	1	3	-73.99631210880	40.67390752420
	Brooklyn	S & S Water Co	1	4	-73.99365522920	40.67512757390
	Brooklyn	Brooklyn Navy Yard Cogeneration Partners	1	4	-73.96958251790	40.70010301530
	Brooklyn	NYC Dept of Environmental Protection	1	9	-73.98442226890	40.70500001830
	Brooklyn	Waste Management of New York LLC	2	12	-73.92857046490	40.71254867860
	Brooklyn	Bayside Fuel Oil Depot Corp	2	10	-73.93204353670	40.71376097180
	Brooklyn	American Sugar Refining Inc	1	9	-73.96739406750	40.71534381710
	Brooklyn	Consolidated Edison Company of New York Inc	1	8	-73.96592393740	40.71777194900
	Brooklyn	USA Waste Services of NYC Inc	2	13	-73.96399806680	40.71827716980
	Brooklyn	Malu Properties Inc	2	13	-73.92957940930	40.71829642050
	Brooklyn	B C F Oil Refining Inc	1	7	-73.92505588610	40.71981284130
	Brooklyn	Bayside Fuel Oil Depot Corp	1	8	-73.96154643860	40.72366021060
	Brooklyn	BP Products North America Inc	2	11	-73.94006144850	40.73074372250
	Brooklyn	Metro Terminals Corp	1	6	-73.94085171880	40.73243555340
	Brooklyn	NYC Dept of Environmental Protection	2	10	-73.94837802630	40.73353133680
	Brooklyn	Motiva Enterprises LLC	1	4	-73.95184902230	40.73798604870

	FACILITY CITY	OWNER NAME	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Major Discharge Treatment (cont.)	College Point	NYC Dept of Environmental Protection	3	16	-73.83933140740	40.79555354890
	Far Rockaway	Jamaica Bay Peaking Facility LLC	2	14	-73.76122571770	40.60727680510
	Far Rockaway	Keyspan Corporate Services LLC	2	8	-73.76202524650	40.61070861850
	Flushing	Tully Environmental LLC	2	12	-73.84250282090	40.76036290480
	Flushing	Port Authority of New York & New Jersey	1	7	-73.87071795070	40.77325415120
	Howard Beach	Lefferts Oil Terminal Inc	2	14	-73.82534068670	40.65839446940
	Jamaica	Port Authority of New York & New Jersey	3	20	-73.78579099230	40.64561667680
	Jamaica	NYC Dept of Environmental Protection	2	14	-73.80867483370	40.66230454500
	Long Island City	Getty Petroleum Marketing Inc	1	7	-73.94171678490	40.73389384530
	Long Island City	AAA Oil Pollution Specialist Inc	1	8	-73.95788281790	40.75280547990
	Long Island City	Consolidated Edison Company of New York Inc	3	15	-73.94684241220	40.75505644600
	Long Island City / Greenpoint	Consolidated Edison Company of New York Inc	1	-3	-73.95285833870	40.73932845720
	New York	Trizechahn One NY Plaza LLC	1	6	-74.01190145990	40.70230173890
	New York	Port Authority of New York & New Jersey	1	8	-74.01234486860	40.71154825010
	New York	Olympia & York Battery Park Co	1	8	-74.01520794660	40.71408608020
	New York	Consolidated Edison Company of New York Inc	1	5	-73.97274564040	40.72765207850
	New York	Consolidated Edison Company of New York Inc	1	5	-73.97283078940	40.74290411860
	New York	Consolidated Edison Company of New York Inc	2	11	-73.95862396740	40.75920813330
	New York	Consolidated Edison Company of New York Inc	4	22	-73.94994047680	40.76896660000
	New York	Consolidated Edison Company of New York Inc	2	11	-73.99368296120	40.77076166490
	New York	NYC Dept of Environmental Protection	3	17	-73.92287438640	40.78751755490
	New York	NYC Dept of Environmental Protection	1	5	-73.95686288710	40.82558371420
	Queens	Bay Terminals of Rockaway Inc	1	6	-73.80487515930	40.59280057370
	Queens	Keyspan - Ravenswood Services Corp	1	9	-73.94604690930	40.75967048820
	Queens	Lefferts Oil Terminal Inc	3	14	-73.84000850530	40.76754452470
	Queens	Consolidated Edison Company of New York Inc	1	7	-73.90366926950	40.78708443780
	Rockaway	NYC Dept of Environmental Protection	2	6	-73.82826943440	40.58358126310
	Staten Island	Nassau Metals Corp	3	17	-74.23729992610	40.51856643120
	Staten Island	NYC Dept of Environmental Protection	2	9	-74.11654398220	40.55044425220
	Staten Island	Arthur Kill Power LLC	3	14	-74.19765031130	40.58563871610
	Staten Island	Vanbro Corp	2	9	-74.19505711810	40.60480927980
	Staten Island	380 Development LLC	1	5	-74.18636198220	40.61907219610
	Staten Island	Garden Homes Management Corp	1	7	-74.18440364690	40.63039130980
	Staten Island	NYC Dept of Environmental Protection	2	11	-74.12566213410	40.63839359890
	Staten Island	Clean Water of New York Inc	1	6	-74.16911890700	40.64149813490
	Staten Island	Caddell Dry Dock & Repair Co Inc	1	7	-74.11774947620	40.64118014600

3 | VULNERABILITY ANALYSIS

Table 3-4: Critical Facilities—Nassau County

Note: All datum is presented in + ft. NGVD format.

	ID	NAME	ADDRESS	CITY	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Adult Care	400-F-299	Hoffmann Manor of Long Beach	274 West Broadway	Long Beach	11561	1	6.7	-73.67241897340	40.58429003570
	400-S-312	St. Mary's Manor	60 Doughty Boulevard	Inwood	11096	2	16.2	-73.74637295410	40.61413299110
	400-F-142	Abbey Island Park Manor	4029 Long Beach Road	Island Park	11558	1	8.0	-73.64739299100	40.61313001760
	400-S-304	The Bristol at North Woodmere	477 Hungry Harbor Road	North Woodmere	11581	1	7.3	-73.72345345020	40.64357560060
	400-E-293	Senior Care at Lynbrook	8 Freer Street	Lynbrook	11563	3	18.2	-73.68393996050	40.65641800650
	400-F-293	Atria, Lynbrook	100 Peninsula Boulevard	Lynbrook	11563	3	17.4	-73.67730798590	40.65740502960
	400-F-309	The Glen at Maple Pointe	260 Maple Avenue	Rockville Center	11570	4	24.2	-73.63183694380	40.65802396770
	400-F-308	Sterling Glen of Lynbrook	125 Ocean Avenue	Lynbrook	11563	4	24.5	-73.65899995920	40.66370797920
	NAME	ADDRESS	CITY	STATE	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Group Homes	14 PEARSALL AVENUE	14 PEARSALL AVENUE	LYNBROOK	NY	11563	3	21.8	-73.67174897600	40.66138399910
	111 HEMPSTEAD AVENUE	111 HEMPSTEAD AVENUE	MALVERNE	NY	11565	4	25.0	-73.67060901780	40.67039998960
	2541 NATTA BLVD. IRA	2541 NATTA BOULEVARD	BELLMORE	NY	11710	3	23.4	-73.53476696550	40.67512697540
	1059 PARK BLVD. IRA	1059 PARK BOULEVARD	MASSAPEQUA PARK	NY	11762	4	26.0	-73.45512395460	40.68119810960
	NAME	ADDRESS	CITY	STATE	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Hospitals	LONG BEACH MEDICAL CENTER	455 EAST BAY DRIVE	LONG BEACH	NY	11561	1	7.2	-73.65246299040	40.59446702140
	SOUTH NASSAU COMMUNITIES HOSPITAL	ONE HEALTHY WAY	OCEANSIDE	NY	11572	3	21.1	-73.63027601860	40.65077601540
	NAME	ADDRESS	CITY	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE	
Nursing Homes	GRANDELL REHABILITATION AND NURSING CENTER	645 W BROADWAY	LONG BEACH	11561	1	10.3	-73.68265196240	40.58439999730	
	BEACH TERRACE CARE CENTER	640 WEST BROADWAY	LONG BEACH	11561	1	10.0	-73.68255398310	40.58468601290	
	PARK AVENUE EXTENDED CARE FACILITY	425 NATIONAL BOULEVARD	LONG BEACH	11561	1	8.6	-73.66705197710	40.58898896440	
	KOMANOFF CTR FOR GERIATRIC & REHAB MEDICINE	375 EAST BAY DRIVE	LONG BEACH	11561	1	7.7	-73.65338299910	40.59428203780	
	BAYVIEW NURSING AND REHABILITATION CENTER	ONE LONG BEACH ROAD	ISLAND PARK	11558	1	7.1	-73.65645799080	40.59902499850	
	WOODMERE REHAB & HEALTH CARE CTR, INC	121 FRANKLIN PLACE	WOODMERE	11598	4	26.8	-73.70863503370	40.63324196650	
	OCEANSIDE CARE CENTER INC	2914 LINCOLN AVENUE	OCEANSIDE	11572	2	14.8	-73.64235603830	40.64000399180	
	EAST ROCKAWAY PROGRESSIVE CARE FAC	243 ATLANTIC AVENUE	LYNBROOK	11563	3	17.9	-73.66761999040	40.64994947920	
	MEADOWBROOK CARE CENTER, INC	320 WEST MERRICK ROAD	FREEPORT	11520	3	19.9	-73.59412097270	40.65205797500	
	SOUTH SHORE HEALTHCARE	275 W MERRICK ROAD	FREEPORT	11520	3	20.6	-73.59197503430	40.65220501940	
	ROCKVILLE SKILLED NURSING & REHABILITATION CENTER, LLC	50 MAINE AVENUE	ROCKVILLE CENTRE	11570	4	25.9	-73.65024303050	40.66387100780	
	ROCKVILLE NURSING CENTER INC	41 MAINE AVENUE	ROCKVILLE CENTRE	11570	4	24.2	-73.65071001440	40.66402003100	
PARKVIEW CARE AND REHABILITATION CENTER, INC.	5353 MERRICK ROAD	MASSAPEQUA	11758	3	15.4	-73.43898956210	40.66824914460		
	DEPARTMENT	ADDRESS	CITY	STATE	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Police Stations	Long Beach City Police Department	One West Chester Street	Long Beach	NY	11561	1	8.3	-73.66642000000	40.58956000000
	Lynbrook Village Police Department	One Columbus Drive	Lynbrook	NY	11563	3	17.7	-73.67393000000	40.65741000000
	Rockville Centre Village Police Department	34 Maple Avenue	Rockville Centre	NY	11571	4	27.2	-73.64348526640	40.65879097490
	Freeport Village Police Department	40 North Ocean Avenue	Freeport	NY	11520	3	17.5	-73.58697144390	40.65858514840
	Kings Point Village Police Department	32 Steppingstone Lane	Kings Point	NY	11024	3	17.4	-73.75657980270	40.81667235690
	Centre Island Village Police Department	100 Centre Island Road	Oyster Bay	NY	11771	3	18.8	-73.52536405990	40.91369622870



3 | VULNERABILITY ANALYSIS

Table 3-4: Critical Facilities—Nassau County (continued)

DISTRICT	STATION	ADDRESS	ADDRESS 2	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE	
Fire Stations	LONG BEACH FD	STATION 2	1039 W PARK AVE AND LOUISIANA ST	LONG BEACH NY 11561	1	3.4	-73.69694000000	40.58855000000
	LIDO POINT LOOKOUT FD	COMPANY 1	181 LIDO BOULEVARD	LIDO BEACH NY 11561	1	4.7	-73.62958000000	40.58790000000
	LONG BEACH FD	STATION 1	3 PARK AVE AND MAPLE BLVD	LONG BEACH NY 11561	1	6.0	-73.63788000000	40.58837000000
	LONG BEACH FD	HQ FS	1 WEST CHESTER ST AND CENTRE AVE	LONG BEACH NY 11561	1	5.8	-73.66644000000	40.58957000000
	LIDO POINT LOOKOUT FD	HQ FS	LIDO BLVD AND GLENWOOD AVE	NY 11561	1	6.6	-73.57992000000	40.59230000000
	LIDO POINT LOOKOUT FD	RESCUE FS	BAYSIDE DR AND PARKSIDE DR	NY	1	5.7	-73.58402581240	40.59329930860
	ISLAND PARK FD	ISLAND PARK HQ FS	440 LONG BEACH RDD	ISLAND PARK NY 11558	1	5.6	-73.65406000000	40.60803000000
	INWOOD FD	HQ FS	188 DOUGHTY BLVD AND WANSER AVE	INWOOD NY 11696	3	16.0	-73.74638000000	40.61678000000
	LAWRENCE CEDARHURST FD	LAWRENCE-CEDARHURST HQ FS	75 WASHINGTON AVE	CEDARHURST NY 11559	4	23.7	-73.72695000000	40.61915000000
	OCEANSIDE FD	SOUTHSIDE HC 2	3615 OCEANSIDE RD AND MAXINE CT	OCEANSIDE NY 11572	1	5.8	-73.63243000000	40.62350000000
	HEWLETT BAY PARK FPSA	WOODMERE HQ FS	20 IRVING PL AND BROADWAY	WOODMERE NY 11598	4	23.3	-73.70836000000	40.63124000000
	MEADOWMERE PARK FD	HQ FS	EAST AND MEYER AVE	WOODMERE NY 11559	1	5.0	-73.74246000000	40.63647000000
	HEWLETT BAY FD	HQ FS	25 FRANKLIN AVE AND BROADWAY	HEWLETT NY 11557	4	23.8	-73.70357000000	40.63686000000
	E ROCKAWAY FD	E ROCKAWAY ENG & TRK	5 MAIN ST AND FRONT ST	EAST ROCKAWAY NY 11518	1	5.9	-73.66105000000	40.63961000000
	OCEANSIDE FD	COLUMBIA ENG CO	26 SMITH ST AND LONGBEACH RD	OCEANSIDE NY 11572	2	13.8	-73.64088000000	40.64015000000
	BALDWIN FD	HOSE 2	CHURCH ST AND VERITY LANE	BALDWIN NY 11510	2	11.8	-73.61091000000	40.64101000000
	OCEANSIDE FD	OCEANSIDE HC 1	49 EVERGREEN AVE AND HENRY ST	OCEANSIDE NY 11572	1	8.5	-73.65384000000	40.64226000000
	E ROCKAWAY FD	E ROCKAWAY HQ FS	473 ATLANTIC AVE	EAST ROCKAWAY NY 11518	1	7.8	-73.66575000000	40.64264000000
	FREEPORT FD	HOSE 3	365 S BAYVIEW AVE AND ATLANTIC AVE	FREEPORT NY 11520	2	11.8	-73.59217000000	40.64407000000
	OCEANSIDE FD (UN)	RESCUE FS	2814 TILROSE AVE AND W/O LONG BEACH RD	OCEANSIDE NY 11572	2	10.7	-73.64148000000	40.64535000000
	OCEANSIDE FD	SALANDER FS	65 FOXHURST RD AND LOCUST AVE	OCEANSIDE NY 11572	3	15.8	-73.63604000000	40.64594000000
	ROCKVILLE CENTRE FD	ROCKVILLE CENTRE ENG 4	20 DRISCOLL AVE AND DRISCOLL CT	ROCKVILLE CENTRE NY 11570	3	17.8	-73.64620000000	40.64773000000
	OCEANSIDE FD	TERRACE HC 3	2543 COLUMBUS AVE AND NASSAU PKWY	OCEANSIDE NY 11572	3	17.8	-73.62786000000	40.64788000000
	E ROCKAWAY FD	E ROCKAWAY HOSE 1	GRANT AND ATLANTIC AVE	EAST ROCKAWAY NY 11518	2	12.9	-73.66617000000	40.64852000000
	E ROCKAWAY FD	E ROCKAWAY HOSE 2	CLARK ST AND CENTRE ST	EAST ROCKAWAY NY 11563	2	12.2	-73.66344000000	40.64896000000
	FREEPORT FD	HOSE 1	22 SOUTHSIDE AVE AND S MAIN ST	FREEPORT NY 11520	2	7.5	-73.57726000000	40.64856000000
	VALLEY STREAM FD	VALLEY STREAM ENG 3	190 COCHRAN PL AND BIRCH LANE	VALLEY STREAM NY 11581	2	8.0	-73.70272000000	40.65275000000
	BALDWIN FD	HQ FS	2386 GRAND AVE AND PROSPECT ST	BALDWIN NY 11510	2	7.8	-73.61182000000	40.65249000000
	LYNBROOK FD	ENG 1	32 CARPENTER AVE AND ELDERT ST	LYNBROOK NY 11563	3	16.1	-73.67359000000	40.65381000000
	FREEPORT FD	TRK 1	76 CHURCH ST AND MERRICK RD	FREEPORT NY 11520	3	17.9	-73.58233000000	40.65455000000
	ROCKVILLE CENTRE FD	ROCKVILLE CENTRE HOSE 1	36 S CENTRE AVE AND S VILLAGE AVE	ROCKVILLE CENTRE NY 11570	3	19.9	-73.64965000000	40.65540000000
	LYNBROOK FD	TRK 1	189 EARLE AVE AND SUNRISE HWY	LYNBROOK NY 11563	3	17.7	-73.66882000000	40.65704000000
	FREEPORT FD	HOSE 4	212 W SUNRISE HWY AND PENNSYLVANIA AVE	FREEPORT NY 11520	3	20.0	-73.59168000000	40.65637000000
	VALLEY STREAM FD	VALLEY STREAM ENG 2	100 BROOKLYN AVE AND FOREST AVE	VALLEY STREAM NY 11581	3	15.5	-73.69518000000	40.65786000000
LYNBROOK FD	HQ FS	81 WRIGHT AVE AND LEAMAN PL	LYNBROOK NY 11563	3	18.2	-73.68564000000	40.65807000000	
LYNBROOK FD	HOSE 1 & AMBULANCE	35 BLAKE AVE AND HEMPSTEAD AVE	LYNBROOK NY 11563	3	17.8	-73.67223000000	40.65812000000	
LYNBROOK FD	ENG 2	216 DENTON AVE	LYNBROOK NY 11563	3	19.8	-73.66625000000	40.65842000000	
ROCKVILLE CENTRE FD	ROCKVILLE CENTRE HQ FS	58 N CENTRE AVE AND WASHINGTON ST	ROCKVILLE CENTRE NY 11570	3	17.3	-73.64992000000	40.65898000000	
FREEPORT FD	HQ FS	15 BROADWAY AND N MAIN ST	FREEPORT NY 11520	3	13.9	-73.58313000000	40.65819000000	
BELLMORE FD	BELLMORE FD FS 2	2670 BELLMORE AVE	BELLMORE NY 11710	2	4.2	-73.52206000000	40.65755000000	
ROCKVILLE CENTRE FD	ROCKVILLE CENTRE TRK & ENG 1	103 MAPLE AVE AND MORRIS AVE	ROCKVILLE CENTRE NY 11570	4	25.8	-73.64061000000	40.65901000000	



3 | VULNERABILITY ANALYSIS

Table 3-4: Critical Facilities—Nassau County (continued)

	DISTRICT	STATION	ADDRESS	ADDRESS 2	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Fire Stations	BALDWIN FD	HOSE 3	730 BALDWIN AVE AND GRAND AVE	BALDWIN NY 11510	3	12.6	-73.60925000000	40.65880000000
	WANTAGH FD	WANTAGH FS 3	2529 NEPTUNE AVE	SEAFORD NY 11783	1	1.8	-73.49586905410	40.65816100050
	ROCKVILLE CENTRE FD	ROCKVILLE CENTRE HOSE 3	137 N FOREST AVE AND MAPLE AVE	ROCKVILLE CENTRE NY 11570	4	27.3	-73.63683000000	40.65994000000
	LYNBROOK FD	ENG 3	3 HORTON AVE AND MERRICK RD	LYNBROOK NY 11580	3	16.8	-73.68814000000	40.66069000000
	VALLEY STREAM FD	VALLEY STREAM TRK 1	111 CORONA AVE AND W HAWTHORNE AVE	VALLEY STREAM NY 11580	3	15.9	-73.70158000000	40.66168000000
	BELLMORE FD	BELLMORE FD FS 3	2455 NEWBRIDGE RD	BELLMORE NY 11710	2	7.7	-73.53539000000	40.66098000000
	MERRICK FD	EMPIRE ENG FS 3	28 S MERRICK AVE AND CITY AVE	MERRICK NY 11566	2	13.7	-73.55156000000	40.66140000000
	WANTAGH FD	WANTAGH FS 5	2985 MERRICK RD	WANTAGH NY 11793	2	9.5	-73.51611035270	40.66369204130
	VALLEY STREAM FD	VALLEY STREAM HQ FS	49 ROCKAWAY PKWY AND E OXFORD ST	VALLEY STREAM NY 11580	3	19.8	-73.69706000000	40.66629000000
	MERRICK FD	H & L FS 1	1975 OAKWOOD AVE AND BROOKLYN AVE	MERRICK NY 11566	3	18.3	-73.55426000000	40.66515000000
	MERRICK FD	FRIENDSHIP ENG FS 2	2075 MEADOWBROOK RD AND GRAND AVE	MERRICK NY 11566	2	13.8	-73.56547000000	40.66535000000
	VALLEY STREAM FD	VALLEY STREAM ENGINE 4	55 CLEARSTRAM AVE AND FIRST ST**	VALLEY STREAM NY 11580	3	17.8	-73.71668000000	40.66842000000
	FREEPORT FD	HOSE 5	47 LEONARD AVE AND N MAIN ST	FREEPORT NY 11520	3	21.8	-73.58474000000	40.66739000000
	SEAFORD FD	HQ FS	2170 SOUTHARD AVE AND WAVERLY AVE	SEAFORD NY 11783	3	13.8	-73.48885000000	40.66864000000
	BELLMORE FD	BELLMORE FD HQ FS	230 PETTIT AVE	BELLMORE NY 11710	3	16.1	-73.52913000000	40.66925000000
	MASSAPEQUA FD	EAST END HOUSE FS	5478 MERRICK RD AND ALGONQUIN AVE	EAST MASSAPEQUA NY 11758	3	11.7	-73.43462000000	40.66837000000
	WANTAGH FD	WANTAGH HQ FS	3470 PARK AVE	WANTAGH NY 11793	3	15.8	-73.50403604790	40.67448916890
	N MERRICK FD	N MERRICK HQ FS	2095 CAMP AVE	MERRICK NY 11566	4	23.8	-73.55452000000	40.67666000000
	MASSAPEQUA FD	ENG 1 & TRK 2	515 HICKSVILLE RD AND NEW YORK AVE	MASSAPEQUA NY 11758	4	21.7	-73.47456000000	40.67762000000
	MASSAPEQUA FD	PARK HOUSE FS	259 FRONT ST AND 2ND AVE	MASSAPEQUA PARK NY 11762	4	22.6	-73.44918000000	40.67864000000
	PORT WASHINGTON FD	PORT WASHINGTON FS 2	65 HARBOR RD AND MILL POND RD	PORT WASHINGTON NY 11050	4	18.6	-73.69755000000	40.83977000000
	PORT WASHINGTON FD	PORT WASHINGTON FS 1	7 CHANNEL DR AND SHORE RD	PORT WASHINGTON NORTH NY 11050	2	14.4	-73.70449000000	40.84037000000
	GLEN COVE FD	HQ FS	10 GLENCOVE AVE AND BRIDGE ST	GLEN COVE NY 11542	4	22.3	-73.63438000000	40.86260000000
MILL NECK FPSA 3	ATLANTIC STEAMER FC	28 E MAIN ST	OYSTER BAY NY 11771	4	17.8	-73.52972000000	40.87222000000	
BAYVILLE FD	BAYVILLE HQ FS	258 BAYVILLE AVE AND JACKSON AVE	BAYVILLE NY 11709	2	7.8	-73.55078000000	40.90709000000	



3 | VULNERABILITY ANALYSIS

Table 3-4: Critical Facilities—Nassau County (continued)

	OWNER NAME	SYSTEMID	FACILITY NAME	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Drinking Water Treatment	LONG ISLAND AMERICAN WATER CORP	NY2902835	WELL 6-1: IRON FILTRATION PLANT	2	11.8	-73.71739995	40.58769999650
	LIDO-POINT LOOKOUT WD	NY2902828	WELL 3 IRON FILTRATION, CL2 & LIME	1	8.1	-73.61600003	40.58949998040
	LIDO-POINT LOOKOUT WD	NY2902828	WELLS 1A & 2A IRON FILT, CL2 & LIME	1	8.2	-73.59109996	40.59229997450
	LONG BEACH CITY	NY2902834	PARK PLACE IRON FILTRATION PLANT	1	8.9	-73.66199996	40.59370002590
	JONES BEACH STATE PARK	NY2908333	WELLS 2, 3 & 4 IRON FILTRATION	2	9.8	-73.5071	40.60000003610
	LONG ISLAND AMERICAN WATER CORP	NY2902835	WELL 5-N(100CS): A/S & IRON FILTRATION	2	13.6	-73.70899995	40.64789999380
	LONG ISLAND AMERICAN WATER CORP	NY2902835	WELL 14-1 TREATMENT	2	14.7	-73.67869997	40.65560000870
	ROCKVILLE CENTRE (V)	NY2902848	SUNRISE HWY ELEVATED TANK TREATMENT	2	16.1	-73.65540002	40.65660002700
	FREEPORT (V)	NY2902823	NORTHWEST ELEVATED TANK-CAUSTIC & ODOR	3	21.2	-73.5929	40.65630003770
	FREEPORT (V)	NY2902823	WELL 7 CL2 & FE SEQ	4	25.0	-73.59469999	40.65639995840
	FREEPORT (V)	NY2902823	WELL 6-CL2 & FE SEQ	3	20.4	-73.59280001	40.65650002490
	FREEPORT (V)	NY2902823	WELL 5 CL2 & FE SEQ	3	21.4	-73.59250003	40.65660003320
	LONG ISLAND AMERICAN WATER CORP	NY2902835	WELL 10-1 TREATMENT	3	24.8	-73.68930004	40.65840002190
	FREEPORT (V)	NY2902823	WELL 9 CL2 & FE SEQ	3	22.9	-73.59590004	40.65750002640
	ROCKVILLE CENTRE (V)	NY2902848	WELL 2A,2B & 2C: CL2,CACO3&*PO4	4	26.9	-73.64320001	40.65840001040
	LONG ISLAND AMERICAN WATER CORP	NY2902835	WELLS 24-1&24-2: IRON FILTRATION PLT	3	22.8	-73.68470005	40.65970004510
	LONG ISLAND AMERICAN WATER CORP	NY2902835	WELLS 12-1&12-2: IRON FILTRATION PLT	4	25.4	-73.61169998	40.66200001010
	LONG ISLAND AMERICAN WATER CORP	NY2902835	WELLS 17-1, 17-2 TREATMENT	2	11.5	-73.65739998	40.66349999070
	FREEPORT (V)	NY2902823	WELL 8 CL2 & FE SEQ	2	13.4	-73.57009998	40.66289997360
	FREEPORT (V)	NY2902823	WELL 1A CL2 & FE SEQ	2	15.4	-73.5709	40.66409999920
	LONG ISLAND AMERICAN WATER CORP	NY2902835	WELLS 4-16, 4-17 TREATMENT	3	18.0	-73.60379999	40.66460003180
	FREEPORT (V)	NY2902823	NORTHEAST ELEVATED TANK-CAUSTIC & ODOR	2	16.2	-73.57090001	40.66419997160
	FREEPORT (V)	NY2902823	WELL 4A - CL2 & FE SEQ	2	12.5	-73.56989995	40.66429998860
	FREEPORT (V)	NY2902823	WELL 3 CL2 & FE SEQ	3	21.0	-73.5715	40.66480002530
	LONG ISLAND AMERICAN WATER CORP	NY2902835	WELLS 15-1, 15-2 TREATMENT	4	25.2	-73.68389996	40.66649998440
	LONG ISLAND AMERICAN WATER CORP	NY2902835	WELLS 8-1, 8-2A TREATMENT	3	23.7	-73.67140003	40.66729997450
	LONG ISLAND AMERICAN WATER CORP	NY2902835	WELLS 19-1, 19-2 TREATMENT	4	25.8	-73.65389998	40.66820001190
	AQUA NY INC	NY2902840	WELL 11J TREATMENT	4	24.3	-73.5587	40.66760001270
	AQUA NY INC	NY2902840	WELL 12J TREATMENT	4	24.3	-73.5587	40.66760001270
	LONG ISLAND AMERICAN WATER CORP	NY2902835	WELL 20-1 TREATMENT	3	19.5	-73.71419996	40.66949999010
	LONG ISLAND AMERICAN WATER CORP	NY2902835	WELLS 9-1A, 9-2A TREATMENT	3	21.0	-73.69529999	40.67539997480
	LONG ISLAND AMERICAN WATER CORP	NY2902835	WELLS 7-1A,7-2&7-3:IRON FILTRATION PLT	4	29.2	-73.71959999	40.67659999670
	MASSAPEQUA WD	NY2902837	WELL 7 TREATMENT	4	24.8	-73.47600002	40.67760002090
	MASSAPEQUA WD	NY2902837	WELL 6 TREATMENT	4	24.6	-73.47599999	40.67769999180
AQUA NY INC	NY2902840	WELL 6D TREATMENT	4	27.7	-73.49630003	40.68119997650	
AQUA NY INC	NY2902840	WELL 5D TREATMENT	4	27.7	-73.49630003	40.68119997650	
AQUA NY INC	NY2902840	OLD MILL 1 TREATMENT	4	27.7	-73.49630003	40.68119997650	
AQUA NY INC	NY2902840	WELL 4D TREATMENT	4	27.3	-73.4963	40.68200001750	

3 | VULNERABILITY ANALYSIS

Table 3-4: Critical Facilities—Nassau County (continued)

	OWNER NAME	SYSTEMID	FACILITY NAME	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Drinking Water Treatment (cont.)	WA OF GREAT NECK NORTH	NY2902841	WELL 5 TREATMENT	3	21.2	-73.73439998	40.77870004140
	WA OF GREAT NECK NORTH	NY2902841	WELL 6 TREATMENT	1	5.6	-73.74540003	40.78069999600
	WA OF GREAT NECK NORTH	NY2902841	WELL 8: AIRSTRIPPER	2	11.9	-73.74540004	40.78259999190
	MANHASSET LAKEVILLE WD	NY2902836	EXPRESSWAY & PARKWAY: AIRSTRIPPER & GAC	4	26.7	-73.70110001	40.78799996800
	WA OF GREAT NECK NORTH	NY2902841	WELL 7 TREATMENT	2	14.8	-73.74460002	40.79529997250
	AQUA NY OF SEA CLIFF	NY2902853	COMMON SUCTION WELLS TREATMENT	4	21.3	-73.6501	40.83839999790
	OYSTER BAY WD	NY2902844	COMMON SUCTION WELL 1 TREATMENT	1	9.3	-73.54119998	40.87540000160
	GLEN COVE CITY	NY2902826	WELL 31: GAC, CL2 & CAUSTIC	1	7.2	-73.63060004	40.89650003320
	BAYVILLE (V)	NY2902816	WELL 2-1:CL2 & CAUSTIC	1	7.3	-73.54369999	40.90589996380

	OWNER NAME	FACILITY	ADDRESS	CITY	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Major Discharge Treatment	LONG ISLAND WATER CORP	LONG ISLAND WATER CORP WATER DISTRICT	ENTIRE WATER DISTRICT	LYNBROOK	11563	1	10.8	-73.71843968060	40.58857668100
	TOWN OF HEMPSTEAD	LIDO-POINT LOOKOUT WATER DISTRICT	ENTIRE WATER DISTRICT	POINT LOOKOUT	11551	2	10.0	-73.58311016930	40.58991446870
	GREATER ATLANTIC BEACH WATER RECLAMATION DISTRICT	GREATER ATLANTIC BEACH WATER TREATMENT	2150 BAY BLVD	ATLANTIC BEACH	11509	2	14.8	-73.74114203590	40.59223158820
	CITY OF LONG BEACH	LONG BEACH WATER POLLUTION CONTROL PLANT	NATIONAL BLVD & BAY ST	LONG BEACH	11561	1	10.2	-73.66530475040	40.59308267870
	DOXSEE SEA CLAM CO	DOXSEE SEA CLAM CO	50 BAYSIDE DR	POINT LOOKOUT	11569	1	7.0	-73.58066227020	40.59391118740
	VILLAGE OF LAWRENCE	VILLAGE OF LAWRENCE WWTP	1 ROCK HALL RD & DOUGHTY NCTM # 40, 116, 04	LAWRENCE	11559	1	9.8	-73.73833752030	40.60563270150
	NYS OFFICE OF PARKS, REC & HISTORIC PRESERVATION	JONES BEACH STATE PARK	1000 OCEAN PKWY	WANTAGH	11793	2	8.0	-73.49878657810	40.60569484160
	CONCORD TERMINAL CORP	CARBO INDUSTRIES	555 DOUGHTY BLVD	LAWRENCE	11559	1	8.1	-73.72335791690	40.60956695080
	KEYSPAN GENERATION LLC	EF BARRETT POWER STATION	1 MCCARTHY RD	ISLAND PARK	11558	1	9.3	-73.64802128230	40.61685318250
	GULF OIL LP	GULF OIL OCEANSIDE TERMINAL	INDUSTRIAL PL	OCEANSIDE	11572	1	5.6	-73.65161301010	40.61754378680
	SPRAGUE ENERGY CORP	SPRAGUE ENERGY CORP - OCEANSIDE MARINE TERMINAL	7 HAMPTON RD	OCEANSIDE	11572	1	6.9	-73.65366147410	40.62208993030
	EXXONMOBIL OIL CORP	EXXONMOBIL INWOOD TERMINAL	464 DOUGHTY BLVD	INWOOD	11096	2	18.2	-73.74570413620	40.62570282370
	CONCORD OIL CORPORATION	CONCORD OIL CO	1 BAY BLVD	LAWRENCE	11559	2	13.7	-73.74188978820	40.62986829210
	VILLAGE OF CEDARHURST	CEDARHURST WATER POLLUTION CONTROL PLANT	PENINSULA BLVD @ HANLON DR	CEDARHURST	11516	2	11.6	-73.73248129310	40.63093650100
	MOTIVA ENTERPRISES LLC	MOTIVA ENTERPRISES LLC PROPERTY	74 EAST AVE	LAWRENCE	11559	1	6.9	-73.74330146270	40.63277538740
	NASSAU COUNTY	NASSAU COUNTY SD #2 BAY PARK STP	FOURTH AVE	EAST ROCKAWAY	11518	2	11.2	-73.66310550920	40.63228010520
	VILLAGE OF FREEPORT	FREEPORT POWER PLANT #2	289 BUFFALO AVE	FREEPORT	11520	2	9.8	-73.56822159750	40.64469112260
	NASSAU COUNTY	CEDAR CREEK WPCP	3340 MERRICK RD & CEDAR CR PK	WANTAGH	11793	3	18.4	-73.50647117380	40.65230459010
	VILLAGE OF FREEPORT	FREEPORT POWER PLANT #1	220 W SUNRISE HWY	FREEPORT	11520	3	20.3	-73.59272540190	40.65655013200
	VILLAGE OF ROCKVILLE CENTRE	ROCKVILLE CENTRE POWER PLANT	110 MAPLE AVE	ROCKVILLE CTR	11571	4	28.5	-73.64011939850	40.65846936650
	MEENAN OIL CO	MEENAN RETAIL SALES BLDG	3020 BURNS AVE	WANTAGH	11793	3	17.9	-73.51856348390	40.67189131030
	BELGRAVE WATER POLLUTION CONTROL DIST	BELGRAVE STP	EAST END 37TH AVE	GREAT NECK	11022	2	11.1	-73.74200940610	40.77824652050
	UNIVERSAL UTILITIES INC	UNIVERSAL UTILITIES PROPERTY	240 EAST SHORE ROAD	OYSTER BAY	11771	1	7.6	-73.71149222890	40.79677300340
	GREAT NECK SD	GREAT NECK POLLUTION CONTROL DIST	236 E SHORE RD	GREAT NECK	11023	2	13.6	-73.71285372870	40.79747282590
	WASTE MANAGEMENT OF NEW YORK LLC	DONNO COMPANY INC	300 EAST SHORE RD	GREAT NECK	11023	2	11.8	-73.71303204010	40.79806034940
	KEYSPAN ENERGY CORP	GLENWOOD MAIN POWER STATION	SHORE ROAD	GLENWOOD LANDING	11547	3	18.0	-73.64784218690	40.82753711090
	EXXONMOBIL OIL CORP	EXXONMOBIL GLENWOOD LANDING TERMINAL	SHORE & GLENWOOD RDS	GLENWOOD LANDING	11547	4	23.2	-73.64752860270	40.83071330720
	CITY OF GLEN COVE	GLEN COVE STP	100 MORRIS AVE	GLEN COVE	11542	2	14.0	-73.63921744030	40.85784707790
	COMMANDER TERMINALS LLC	COMMANDER TERMINAL	1 COMMANDER SQ FOOT OF SOUTH ST	OYSTER BAY	11771	1	9.0	-73.52631866050	40.87537657510
	OYSTER BAY SEWER DISTRICT	OYSTER BAY SEWAGE TREATMENT PLANT	15 BAY AVE	OYSTER BAY	11771	4	19.7	-73.52851671150	40.87633246740
	THE SEAWANHAKA CORINTHIAN YACHT CLUB	SEAWANHAKA-CORINTHIAN YACHT CLUB PROPERT	314 YACHT CLUB RD	CENTRE ISLAND	11771	1	8.6	-73.51152454420	40.90323739450



3 | VULNERABILITY ANALYSIS

Table 3-5: Critical Facilities—Suffolk County

Note: All datum is presented in +ft. NGVD format.

	ID	FACILITY	ADDRESS	CITY	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Adult Care	700-F-131	Babylon Beach House Home for Adults	23 Yacht Club Road	Babylon	11702	1	3	-73.31621003610	40.68469503350
	700-S-287	Dominican Village Enriched Housing Program 1	565-567 Albany Avenue	Amityville	11701	3	28	-73.41297105460	40.68651398380
	700-F-908	Bayview Rest Home, LLC	143 East Main Street	Babylon	11702	2	7	-73.32070400900	40.69766898170
	700-E-058	Open Gate Association Home for the Aged	36 South Clinton Avenue	Bay Shore	11706	3	11	-73.25095702380	40.71729000890
	700-S-293	Sterling Glen of Bayshore	53 Ocean Ave.	Bay Shore	11706	2	10	-73.24627599790	40.71749596460
	700-F-911	Pearl Garden Manor	36 Locust Avenue	Islip	11751	3	11	-73.21331301030	40.73039901790
	700-F-146	Maple Rest	61 Rollstone Avenue	West Sayville	11796	4	19	-73.09809205210	40.73182702120
	700-E-282	Pleasant Gardens Home for Adults	396 Middle Road	Bayport	11705	3	11	-73.06366703830	40.73547500830
	700-F-895	Heartland on the Bay	86 Blue Point Avenue Box 150	Blue Point	11715	2	5	-73.03330003520	40.74179303850
	700-F-909	Gables Home for Adults	127 Rider Avenue	Patchogue	11772	3	12	-73.00829997730	40.76071900130
	700-F-069	South Bay Adult Home	Cottontail Run Box 601	Center Moriches	11934	4	13	-72.81235095890	40.78920602530
	700-S-297	The Breakers at Peconic Landing	1500 Brecknock Road	Greenport	11944	4	13	-72.35967260720	41.11710279160
	NAME	ADDRESS	CITY	STATE	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Group Homes	22 GREENE AVENUE IRA	22 GREENE AVENUE	AMITYVILLE	NY	11701	3	22	-73.41868700750	40.67826496920
	718 MIDDLE ROAD IRA	718 MIDDLE ROAD	BAYPORT	NY	11705	4	13	-73.04450601790	40.73673102650
	9 CHAPEL AVENUE IRA	9 CHAPEL ROAD	BROOKHAVEN	NY	11719	4	16	-72.91334295260	40.77981500300
	184 WEST SHORE ROAD	184 WEST SHORE ROAD	HUNTINGTON	NY	11743	1	7	-73.42327100000	40.89119300000
	619 CORWIN ST. IRA	619 CORWIN STREET	RIVERHEAD	NY	11901	4	10	-72.65566205190	40.92105998490
	NAME	ADDRESS	CITY	STATE	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Hospitals	BRUNSWICK HOSPITAL CENTER INC	366 BROADWAY	AMITYVILLE	NY	11701	4	28	-73.41865495380	40.68406800940
	GOOD SAMARITAN HOSPITAL MEDICAL CENTER	1000 MONTAUK HIGHWAY	WEST ISLIP	NY	11795	2	9	-73.29492597170	40.69428396410
	SOUTHSIDE HOSPITAL	301 EAST MAIN ST	BAY SHORE	NY	11706	3	8	-73.24042696940	40.72614601870
	EASTERN LONG ISLAND HOSPITAL	201 MANOR PLACE	GREENPORT	NY	11944	2	8	-72.36128299820	41.11042601250
	NAME	ADDRESS	CITY	STATE	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Nursing Homes	BRUNSWICK HOSPITAL CENTER INC	366 BROADWAY	AMITYVILLE	NY	11701	4	28	-73.41814903890	40.68392697240
	BROADLAWN MANOR NURSING & REHAB CTR	399 COUNTY LINE RD	AMITYVILLE	NY	11701	4	29	-73.42372198960	40.68509901750
	OUR LADY OF CONSOLATION@GERIATRIC CARE CENTER	111 BEACH DRIVE	WEST ISLIP	NY	11795	2	3	-73.29211700640	40.68955097060
	EAST NECK NURSING & REHABILITATION@CTR	134 GREAT EAST NECK ROAD	WEST BABYLON	NY	11704	2	18	-73.34589295710	40.69085500700
	BERKSHIRE NURSING & REHABILITATION CENTER	10 BERKSHIRE ROAD	W BABYLON	NY	11704	4	24	-73.34402569840	40.70594629810
	GOOD SAMARITAN NURSING HOME	101 ELM ST	SAYVILLE	NY	11782	2	4	-73.08003198850	40.72545796120
	DEPARTMENT	ADDRESS	CITY	STATE	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Police Stations	Ocean Beach Village Police Department	Bayberry & Baywalk	Ocean Beach	NY	11770	1	1	-73.15663686560	40.64908094450
	Amityville Village Police Department	16 Greene Avenue	Amityville	NY	11701	3	21	-73.41830020630	40.67837226210
	Westhampton Beach Village Police Department	106 Sunset Avenue	Westhampton Beach	NY	11978	4	16	-72.64462079270	40.81206460690
	Quogue Village Police Department	Jessup Avenue	Quogue	NY	11959	2	10	-72.60900420460	40.81810118600
	Asharoken Village Police Department	1 Asharoken Avenue	Northport	NY	11768	2	8	-73.35104248740	40.92104809560
	Sag Harbor Village Police Department	70 Division Street	Sag Harbor	NY	11963	2	9	-72.29521370640	41.00180743720
	Southold Town Police Department	41405 Route 25	Peconic	NY	11958	4	10	-72.45725133990	41.03870658440
	ORGANIZATION	ADDRESS	CITY	STATE	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Prisons	SUFFOLK COUNTY CORRECTIONAL FACILITY	100 CENTER DRIVE	RIVERHEAD	NY	11901	4	14	-72.67262071410	40.91477468420



3 | VULNERABILITY ANALYSIS

Table 3-5: Critical Facilities—Suffolk County (continued)

	SYSTEMID	NAME	NAME	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Drinking Water Treatment	NY5110607	WEST GILGO BEACH ASSOCIATION	OCEAN WALK WTP	1	5	-73.41730004190	40.61399995910
	NY5104099	GILGO BEACH	GREENSAND/KMNO4/SODA ASH	2	4	-73.39710004610	40.61679999720
	NY5117671	ROBERT MOSES STATE PARK	TREATMENT PLANT--ROBERT MOSES	2	14	-73.24170000660	40.62790003970
	NY5104100	CEDAR BEACH & MARINA	CEDAR BEACH	2	8	-73.34260003930	40.63350003650
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	CEDAR COURT TP	1	6	-73.20380001700	40.63449995860
	NY5103281	SALTAIRE WATER DISTRICT	SALTAIRE WTP	3	11	-73.19239998640	40.63639995970
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	FAIR HARBOR TP	2	2	-73.18566000290	40.63879986930
	NY5110639	CAPTREE STATE PARK	CHLORINATION/CAUSTIC SODA/GREEN SAND	2	5	-73.25620000020	40.64070000630
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	ROBBINS WALK TP	2	5	-73.17669997820	40.64020003860
	NY5110599	FAIR HARBOR WD	FAIR HARBOR WD	1	2	-73.18579997610	40.64080002140
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	SANDY WALK DUNEWOOD TP	1	3	-73.17870973090	40.64121984060
	NY5110600	SEAVIEW WATER COMPANY	SEAVIEW WATER CO.	1	2	-73.16489995300	40.64350002080
	NY5103280	OCEAN BEACH WATER DISTRICT	OCEAN BEACH WTP	2	3	-73.15520004490	40.64510001690
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	CENTER WALK TP	1	2	-73.16269995650	40.64549999060
	NY5110620	OCEAN BAY PARK WATER CORP	OCEAN BAY PARK TREATMENT PLANT	2	5	-73.13559996310	40.64930004360
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	POINT O WOODS TP	2	6	-73.13070003290	40.64989996070
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	BAYVIEW WALK TP	1	3	-73.09050001250	40.66010001580
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	HARBOR WALK TP	1	4	-73.06821555930	40.66510940290
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	FISHERMANS PATH TP	2	1	-73.05939998310	40.66779999030
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	GREENE AVE TP	3	25	-73.42190003400	40.67979998430
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	LAMBERT AVE COPIAGUE TP	3	20	-73.38980003250	40.68099996610
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	NORTH FIFTH ST TP	4	21	-73.37889996260	40.68919997740
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	EAST WALK TP	2	7	-73.00489999010	40.68409998040
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	ALBIN AVENUE TP	3	19	-73.35569997560	40.69900004380
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	SMITH STREET TP	3	16	-73.31720001880	40.70610001280
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	SAWYER AVE TP	4	23	-73.34409995460	40.70889999980
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	RALEIGH AVENUE TP	3	17	-73.31340000200	40.71189996960
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	HECKSCHER STATE PARK TP	3	8	-73.16099995390	40.71460001650
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	UNION BLVD TP	4	21	-73.27099999190	40.71790003390
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	LAFAYETTE RD TP	4	32	-73.33760004430	40.72150000620
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	MOFFITT BLVD TP	4	20	-73.19429995930	40.73740000690
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	WATERWORKS RD TP	2	2	-73.02510003090	40.76089999410
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	DUNE RD TP	1	3	-72.67199999150	40.78759998810
	NY5114288	HAMPTON OCEAN RESORTS	TP2 ION EXCHANGE	4	10	-72.53530003940	40.82509999070
NY5114532	NEPTUNES BEACH CLUB	GROUNDWATER	2	13	-72.53250000800	40.82579998330	
NY5121157	LONG ISLAND WYANDANCH CLUB	POLYPHOSPHATE FEEDER	4	13	-72.72919998570	40.83040003040	
NY5110526	SUFFOLK COUNTY WATER AUTHORITY	MILL LA HUNTINGTON TP	2	11	-73.42260002890	40.87959999540	
NY5110526	SUFFOLK COUNTY WATER AUTHORITY	WASHINGTON ST TP	4	24	-73.35389997980	40.88969999480	
NY5120478	SARACEN RESTAURANT	PH NEUT/ION EXCHANGE	3	15	-72.23970001520	40.94959999330	
NY5114331	INLET MOTEL	SEDIMENT CARTRIDGE FILTER	2	3	-72.47129999920	41.00500003080	
NY5108076	SPRINGS SCHOOL	SODA ASH	3	11	-72.15400002490	41.01759997900	



3 | VULNERABILITY ANALYSIS

Table 3-5: Critical Facilities—Suffolk County (continued)

	SYSTEMID	NAME	NAME	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Drinking Water Treatment (cont.)	NY5114577	SANTORINI BEACH HOTEL & RESORT	COMMERCIAL GAC FILTERS-UNITS 1 THRU 39	1	9	-72.52000001720	41.03790001120
	NY5114577	SANTORINI BEACH HOTEL & RESORT	GAC FILTER # 25426-UNITS 40 - 44 & POOL	1	9	-72.52000001720	41.03790001120
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	EDGEMERE STREET TP	3	8	-71.95199995560	41.04830000910
	NY5103243	SHELTER ISLAND HEIGHTS ASSOCIATION	WELL # 2 TREATMENT PLANT	2	6	-72.35510002120	41.07590004000
	NY5103243	SHELTER ISLAND HEIGHTS ASSOCIATION	WELL 4 TREATMENT PLANT	1	3	-72.35869995360	41.08570001040
	NY5110526	SUFFOLK COUNTY WATER AUTHORITY	NORTH ROAD TP	3	11	-72.37789996140	41.10810002870
	NY5130125	ORIENT YACHT CLUB	GAC FILTERS-(2)1-CU FT. EACH	1	4	-72.30449996390	41.13670001820
	NY5119156	PLUM ISLAND ANIMAL DISEASE LAB	LIME/CL2	3	1	-72.19850003090	41.17690002530

	OWNER NAME	FACILITY	ADDRESS	CITY	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Major Discharge Treatment	VILLAGE OF OCEAN BEACH	OCEAN BEACH SEWAGE TREATMENT PLANT	94 BAY WALK	OCEAN BEACH	11770	1	2	-73.16089119	40.647524
	SUFFOLK COUNTY	BERGEN POINT STP & BERGEN AVE DOCK	600 BERGEN AVE	W BABYLON	11704	2	6	-73.34240759	40.674307
	KEYSPAN ENERGY CORP	WEST BABYLON GT FACILITY	RAILROAD AVE	WEST BABYLON	11704	3	15	-73.34989049	40.695196
	TOWN OF ISLIP	EAST ISLIP TOWN MARINA	BAYVIEW AVE	EAST ISLIP	11730	1	4	-73.19177552	40.706005
	METRO GROUP	DUTCHMAN'S COVE TOWNHOUSES	ROLLSTONE AVE AT SW CORNER W/MONTAUK HWY	WEST SAYVILLE	11796	4	14	-73.09726565	40.728564
	DOWLING COLLEGE	DOWLING COLLEGE	IDLE HOUR BLVD / ELMSMERE AVE	OAKDALE	11769	2	6	-73.14619543	40.741683
	GREENVIEW PROPERTIES	GREENVIEW COURTSR CITZENS APTS 48 UNITS	OAKDALE-BOHEMIA RD	OAKDALE	11769	3	11	-73.1299443	40.743871
	BIRCHWOOD ASSOCIATION INC	BIRCHWOOD ON THE GREEN	WILSHIRE LN	OAKDALE	11769	4	19	-73.1268995	40.74475
	WATERFORD POND LLC	PRESERVE AT CONNETQUOT STATE PARK	POND RD	OAKDALE	11769	4	14	-73.13333816	40.750835
	GREAT SOUTH BAY ASSOCIATES	WATERGATE GARDEN APTS	33 MIDSHIP LN	PATCHOGUE	11772	1	3	-73.01896495	40.751198
	VILLAGE OF PATCHOGUE	PATCHOGUE STP	HAMMOND ST	PATCHOGUE	11772	4	18	-73.02233748	40.764894
	PATCHOGUE NURSING CENTER	PATCHOGUE NURSING CENTER	25 SCHOENFELD BLVD	PATCHOGUE	11772	4	20	-72.99444609	40.770502
	YARDARM BEACH HOME OWNERS ASSN INC	YARDARM CLUB HOTEL	727 DUNE RD	W HAMPTON BEACH	11978	1	4	-72.64868095	40.794399
	FRED FECHTMAN & CO INC	BARNES RD DUCK FARM	BARNES RD	EAST MORICHES	11940	1	2	-72.831173	40.803416
	STREBELS LAUNDRY INC	STREBELS LAUNDRY	644 MONTAUK HWY	WESTHAMPTON BEACH	11978	3	11	-72.62636091	40.823063
	EXXONMOBIL OIL CORP	COLD SPRING HARBOR TERMINAL- MOBIL	95 SHORE RD	COLD SPRING HARBOR	11724	3	-1	-73.47084935	40.877987
	TOWN OF HUNTINGTON	HUNTINGTON STP	CREEK RD	HUNTINGTON	11743	2	8	-73.42170119	40.883117
	VILLAGE OF NORTHPORT	NORTHPORT STP	BEACH AVE/KETCHUM PL	NORTHPORT	11768	1	7	-73.35503923	40.893941
	KEYSPAN ENERGY CORP	NORTHPORT POWER STATION	WATERSIDE AVE & EATONS NECK RD	NORTHPORT	11768	1	13	-73.34256132	40.923488
	ATLANTIS MARINE WORLD LLC	ATLANTIS MARINE WORLD	469 EAST MAIN ST SCTM#600-129-4-18.5&19 RIVERHEAD BLDG SUPPLY SITE	RIVERHEAD	11901	2	5	-72.65620482	40.917926
	TOWN OF RIVERHEAD	RIVERHEAD STP	RIVER AVE - N END	RIVERHEAD	11901	2	13	-72.64501774	40.922985
	KEYSPAN ENERGY CORP	PORT JEFFERSON POWER STATION	BEACH ST	PORT JEFFERSON	11777	4	10	-73.07818705	40.949929
	BAYVIEW AT MATTITUCK HOMEOWNERS ASSOC	BAYVIEW WATER TREATMENT PLANT	NEW SUFFOLK AVE	MATTITUCK	11952	2	2	-72.5002767	40.991498
	VILLAGE OF SAG HARBOR	SAG HARBOR STP	BAY ST	SAG HARBOR	11963	3	4	-72.28812686	41.001651
	KEYSPAN ENERGY CORP	MONTAUK INTERNAL COMBUSTION FACILITY	SECOND HOUSE AND INDUSTRIAL RDS	MONTAUK	11954	1	5	-71.95325494	41.045102
	ROUGH RIDERS RESORTS OPERATION INC	ROUGH RIDERS LANDING	EDGEMERE RD SCTM 300-27-2-1	MONTAUK	11954	2	10	-71.95671139	41.045734
	SHELTER ISLAND HEIGHTS PROPERTY OWNERS CORP	SHELTER ISLAND SEWAGE TREATMENT PLANT	SUMMERFIELD PL SCTM#700-5-1-1	SHELTER ISLAND HEIGHTS	11965	4	41	-72.35799286	41.085894
	KEYSPAN ENERGY CORP	SOUTHOLD GT FACILITY	ST RTE 25 W/O CHAPEL LN	SOUTHOLD	11944	2	5	-72.39048293	41.093318
	VILLAGE OF GREENPORT	VILLAGE OF GREENPORT STP	MOORES LN	GREENPORT	11944	3	15	-72.37518882	41.104265
	US DEPT OF HOMELAND SECURITY	PLUM ISLAND ANIMAL DISEASE CTR BUILDING	DISEASE CENTER BUILDING ONLY	ORIENT POINT	11957	3	6	-72.19501405	41.171997

3 | VULNERABILITY ANALYSIS

Table 3-6: Critical Facilities—Westchester County

Note: All datum is presented in +ft. NGVD format.

	NAME	DEPT	MUN	ADDRESS	CITY	ZIP	CONTACT	PHONE	FAX	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Fire Stations	MAMARONECK VILLAGE	224	MMV	Mamaroneck Avenue	Mamaroneck	10543	Edward Flynn	777-7751		2	3	-73.73278295220	40.94942694210
	MAMARONECK VILLAGE	224	MMV	North Barry Avenue	Mamaroneck	10543	Edward Flynn	777-7748		3	6	-73.73846881260	40.95449171580
	RYE CITY	242	RYE	Locust Avenue	Rye	10580	George Ballantoni	967-4530	967-8761	1	3	-73.68879780140	40.96015974480
	RYE CITY	242	RYE	Milton Road	Rye	10580	George Ballantoni	967-4731	967-8761	4	8	-73.68479038520	40.98233625280
	TARRYTOWN	246	TTN	Franklin Street	Tarrytown	10591	Scott Weaver	631-9504		3	6	-73.86365903520	41.07655413680

	NAME	ADDRESS	CITY	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Nursing Homes	DUMONT MASONIC HOME	676 PELHAM ROAD	NEW ROCHELLE	10805	2	4	-73.78702340810	40.89008483260
	BAYBERRY NURSING HOME	40 KEOGH LANE	NEW ROCHELLE	10805	2	3	-73.78424706530	40.89169097740
	GLEN ISLAND CENTER FOR NURSING AND REHABILITATION	490 PELHAM ROAD	NEW ROCHELLE	10805	2	5	-73.78156211180	40.89466449480

	NAME	ADDRESS	CITY	ZIP	PHONE	FAX	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Police Stations	Port Chester P.D.	350 North Main Street	Port Chester	10573	939-1000	939-6983	4	8	-73.65884105920	41.00672051980
	Tarrytown P.D.	150 Franklin Street	Tarrytown	10591	631-5544	631-8236	3	6	-73.86345437610	41.07654837450

	NAME	ADDRESS	STATE	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Prisons	SING SING CF	354 HUNTER ST	NY	10562	2	4	-73.87036622650	41.15089189840

	SYSTEMID	NAME	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Drinking Water Treatment	NY5930068	STATION NUMBER SEVEN (FMR RUSTY RUDDER)	1	4	-73.92810000320	41.30779996890

	FACILITY	ADDRESS	CITY	OWNER NAME	ZIP	ZONE	ELEVATION (ft.)	LONGITUDE	LATITUDE
Major Discharge Treatment	PELHAM MANOR TERMINAL	4301 BOSTON POST RD	PELHAM MANOR	GETTY PETROLEUM MARKETING INC	10803	1	4	-73.82223081340	40.89113747580
	MOBIL OIL CORP MOUNT VERNON TERMINAL	89 EDISON AVE	MOUNT VERNON	EXXONMOBIL OIL CORP	10550	2	4	-73.82407357490	40.89231833050
	LANIMRET TERMINAL INC	711-730 S COLUMBUS AVE	MT VERNON	LANIMRET TERMINALS INC	10557	1	4	-73.82203475940	40.89482880700
	WEST VERNON PETROLEUM CORP	701 S COLUMBUS AVE	MOUNT VERNON	WEST VERNON PETROLEUM CORP	10556	2	4	-73.82177895770	40.89519552690
	MOUNT VERNON TERMINAL	40 CANAL ST	MOUNT VERNON	SPRAGUE ENERGY CORP	10550	2	4	-73.82042754040	40.89642483270
	NEW ROCHELLE STP	ONE LEFEVRES LN	NEW ROCHELLE	WESTCHESTER COUNTY	10601	3	6	-73.76936972800	40.91300662590
	YONKERS JOINT WWTP	LUDLOW DOCK SOUTH	YONKERS	WESTCHESTER COUNTY	10705	1	2	-73.90929000110	40.91927943800
	AMERICAN SUGAR REFINING COMPANY INC	ONE FEDERAL ST	YONKERS	THE AMERICAN SUGAR REFINING COMPANY INC	10705	1	2	-73.90395002330	40.93412822770
	ALEXANDER ST TERMINAL	91 ALEXANDER ST	YONKERS	A TARRICONE INC	10710	1	1	-73.90150697030	40.94034759080
	MAMARONECK WWTP	WEST BOSTON POST RD	WHITE PLAINS	WESTCHESTER COUNTY	10601	2	4	-73.73369473460	40.94682385780
	BLIND BROOK WWTP	141 OAKLAND BEACH AVE	RYE	WESTCHESTER COUNTY	10580	2	6	-73.69078459640	40.96476584790
	WESTMORE FUEL CO	FOOT PURDY ST	PORT CHESTER	WESTMORE FUEL CO INC	10573	1	3	-73.66076167410	40.99556133950
	CASTLE NORTH TERMINALS	11 RIVER STREET	NORTH TARRYTOWN	CASTLE NORTH TERMINALS INC	10591	2	4	-73.86810469680	41.08054891790
	OSSINING WASTEWATER TREATMENT PLANT	SING SING PRISON PROPERTY	OSSINING	WESTCHESTER COUNTY	10562	3	3	-73.87061122830	41.15242886560
	PARADISE FUEL TERMINAL	RAILROAD AVE & QUIMBY ST	OSSINING	PARADISE HEATING OIL INC	10582	1	2	-73.87068407300	41.15859989370
	METRO-NORTH RAILROAD HARMON YARD	1 CROTON POINT AVE	CROTON-ON-HUDSON	METRO-NORTH COMMUTER RAILROAD COMPANY	10520	4	5	-73.88547312530	41.19247791580
	BUCHANAN GAS TURBINE SITE	BROADWAY	BUCHANAN	CONSOLIDATED EDISON COMPANY OF NEW YORK INC	10511	4	5	-73.95287484860	41.27009011630
MEENAN OIL CO	ROA HOOK RD	CORTLANDT	MEENAN OIL CO	10566	3	5	-73.94565157440	41.29606514210	

3 | VULNERABILITY ANALYSIS



Figure 3-9: Critical Facility Locations—Manhattan

3 | VULNERABILITY ANALYSIS

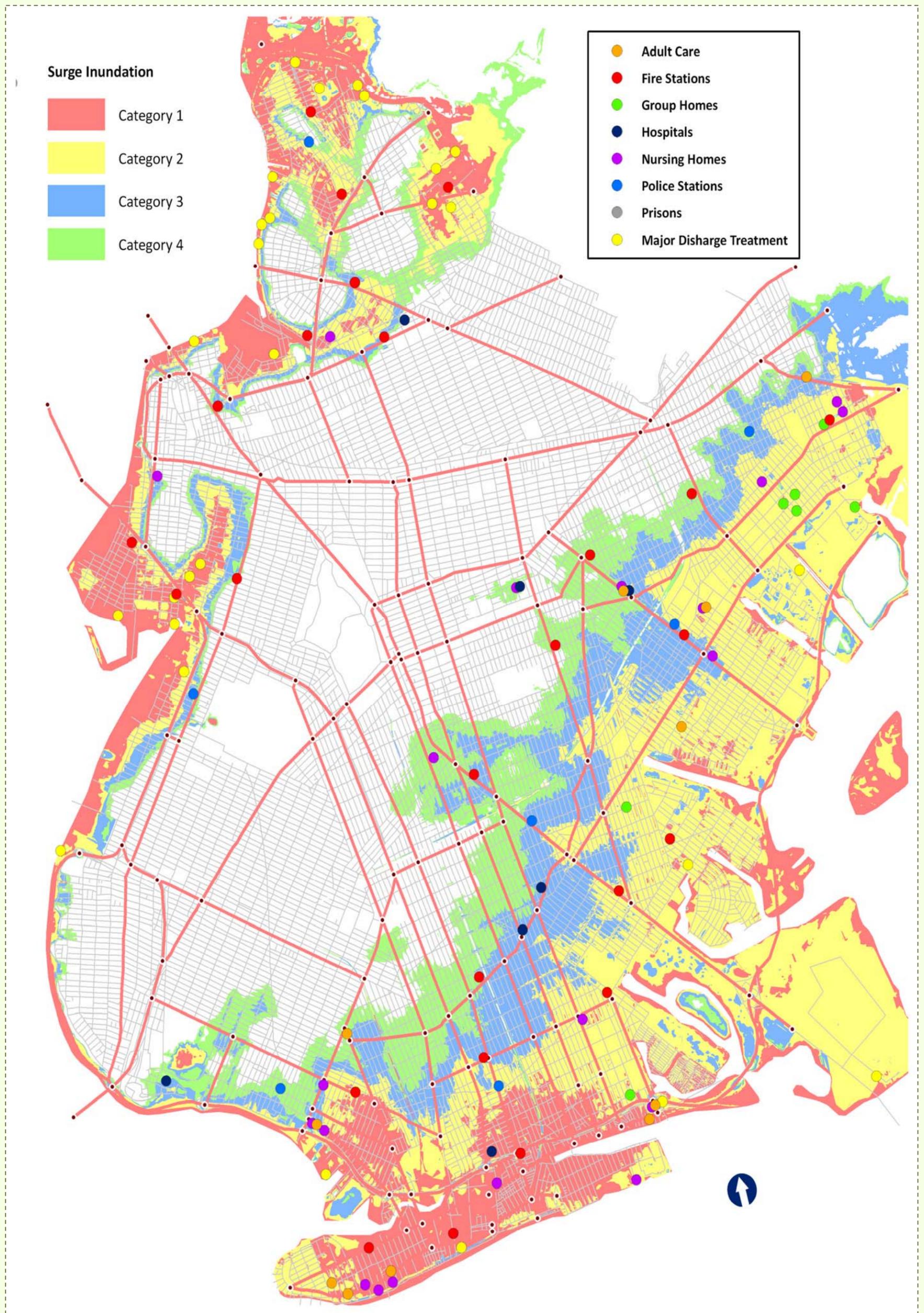


Figure 3-10: Critical Facility Locations—Brooklyn



3 | VULNERABILITY ANALYSIS

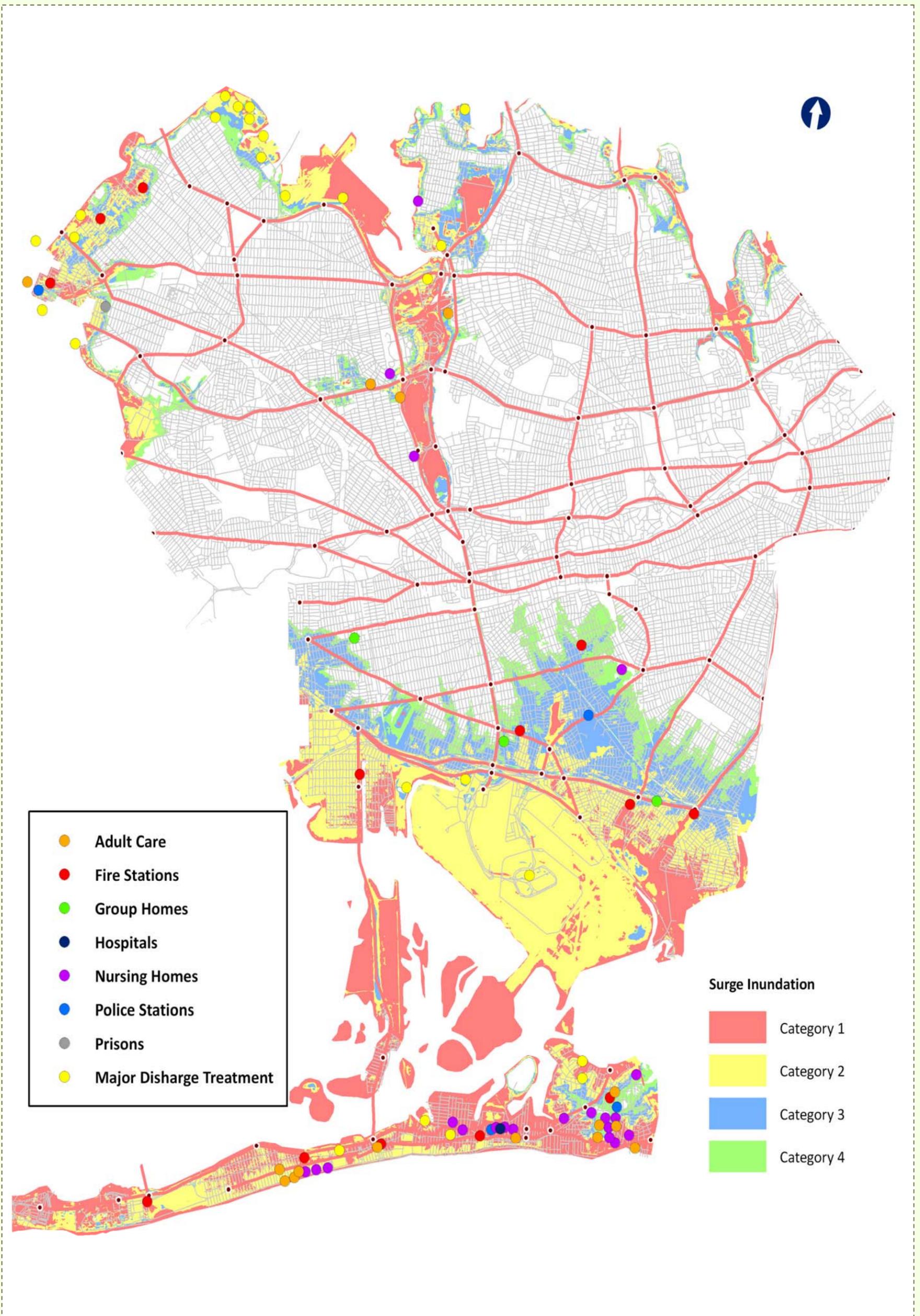


Figure 3-11: Critical Facility Locations—Queens



3 | VULNERABILITY ANALYSIS



Figure 3-12: Critical Facility Locations—Staten Island



3 | VULNERABILITY ANALYSIS



Figure 3-13: Critical Facility Locations—Bronx



3 | VULNERABILITY ANALYSIS

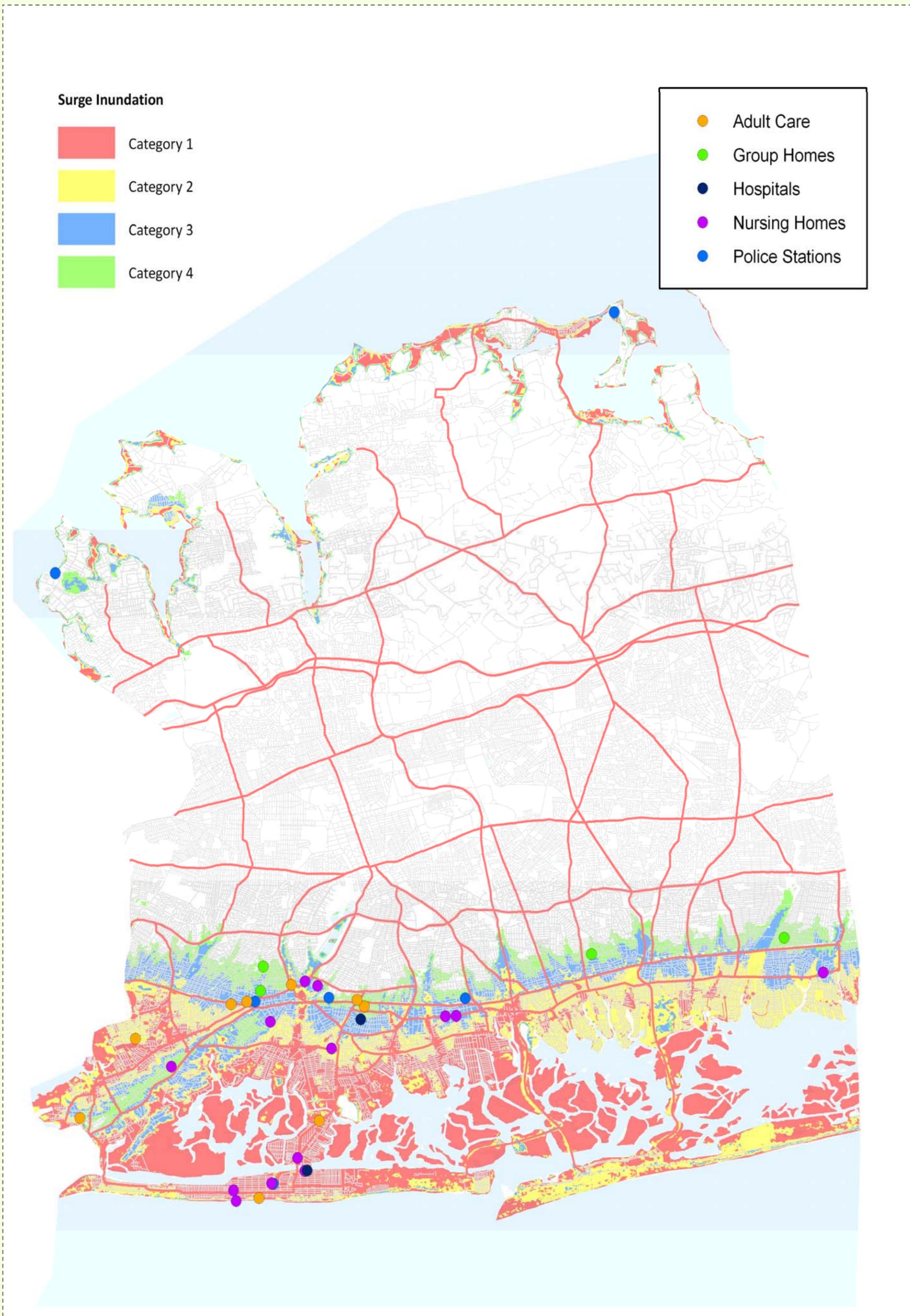


Figure 3-14: Critical Facility Locations—Nassau County



3 | VULNERABILITY ANALYSIS

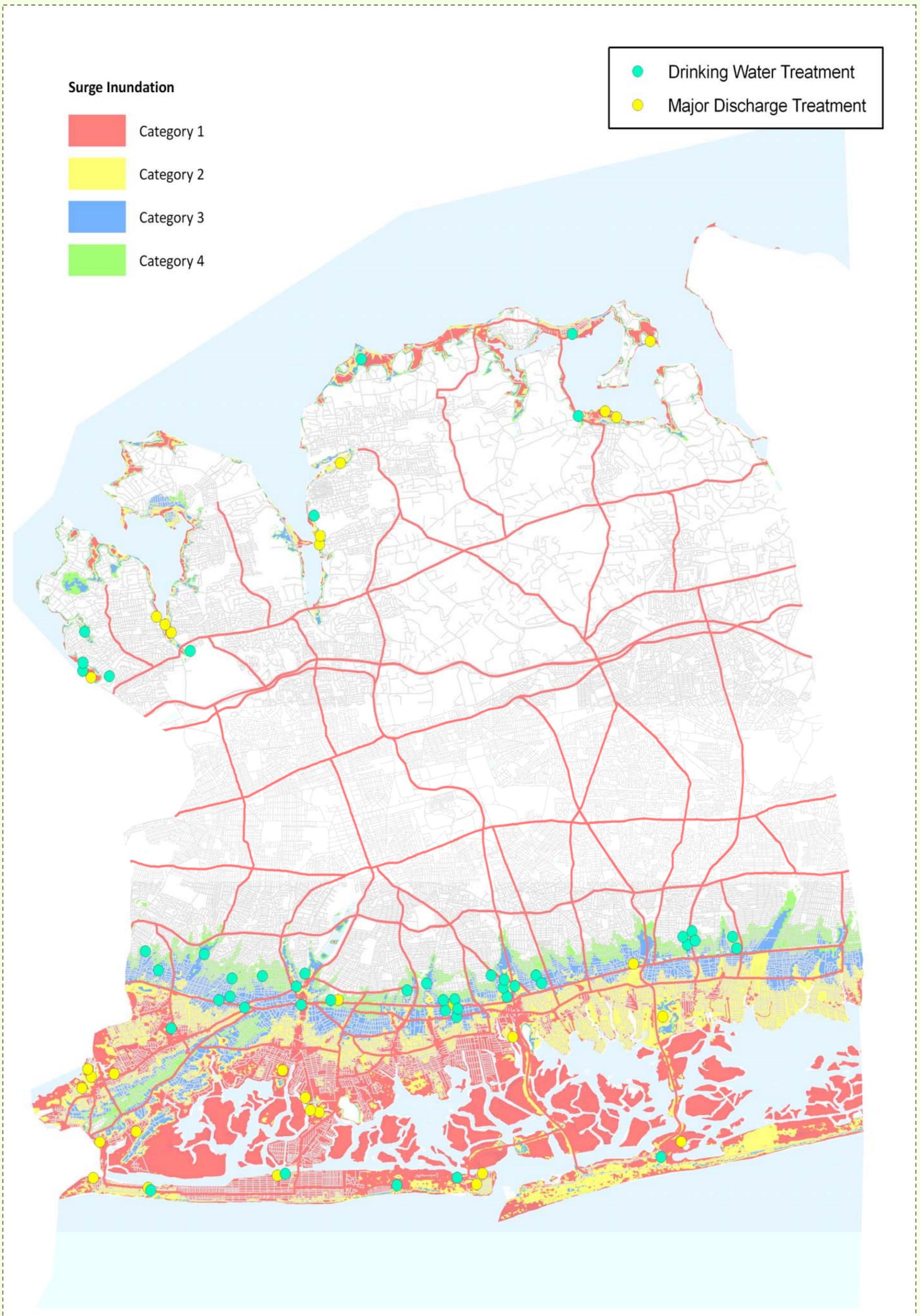


Figure 3-14: Critical Facility Locations—Nassau County (continued)

3 | VULNERABILITY ANALYSIS

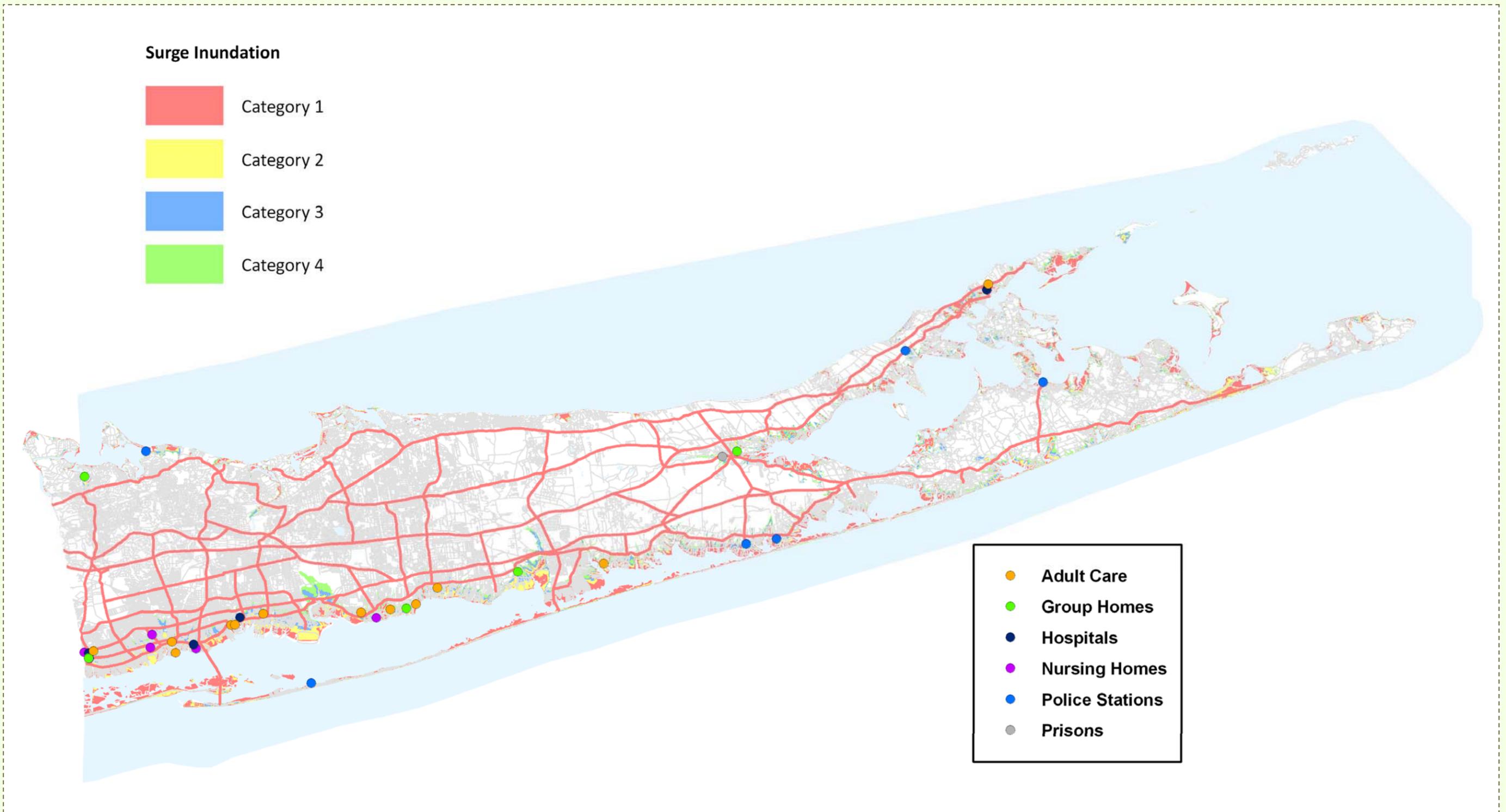


Figure 3-15: Critical Facility Locations—Suffolk County



3 | VULNERABILITY ANALYSIS

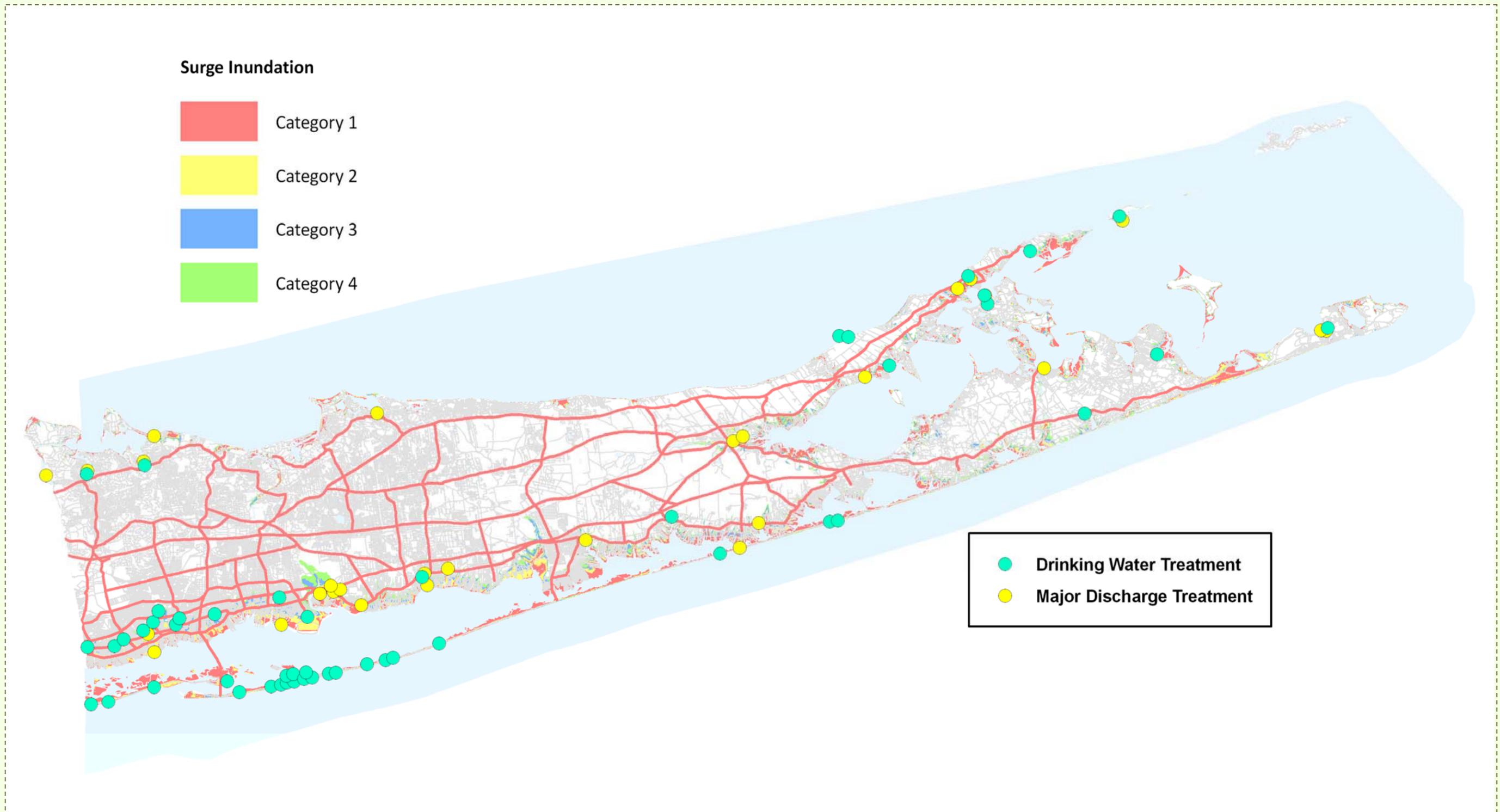


Figure 3-15: Critical Facility Locations—Suffolk County (continued)



3 | VULNERABILITY ANALYSIS

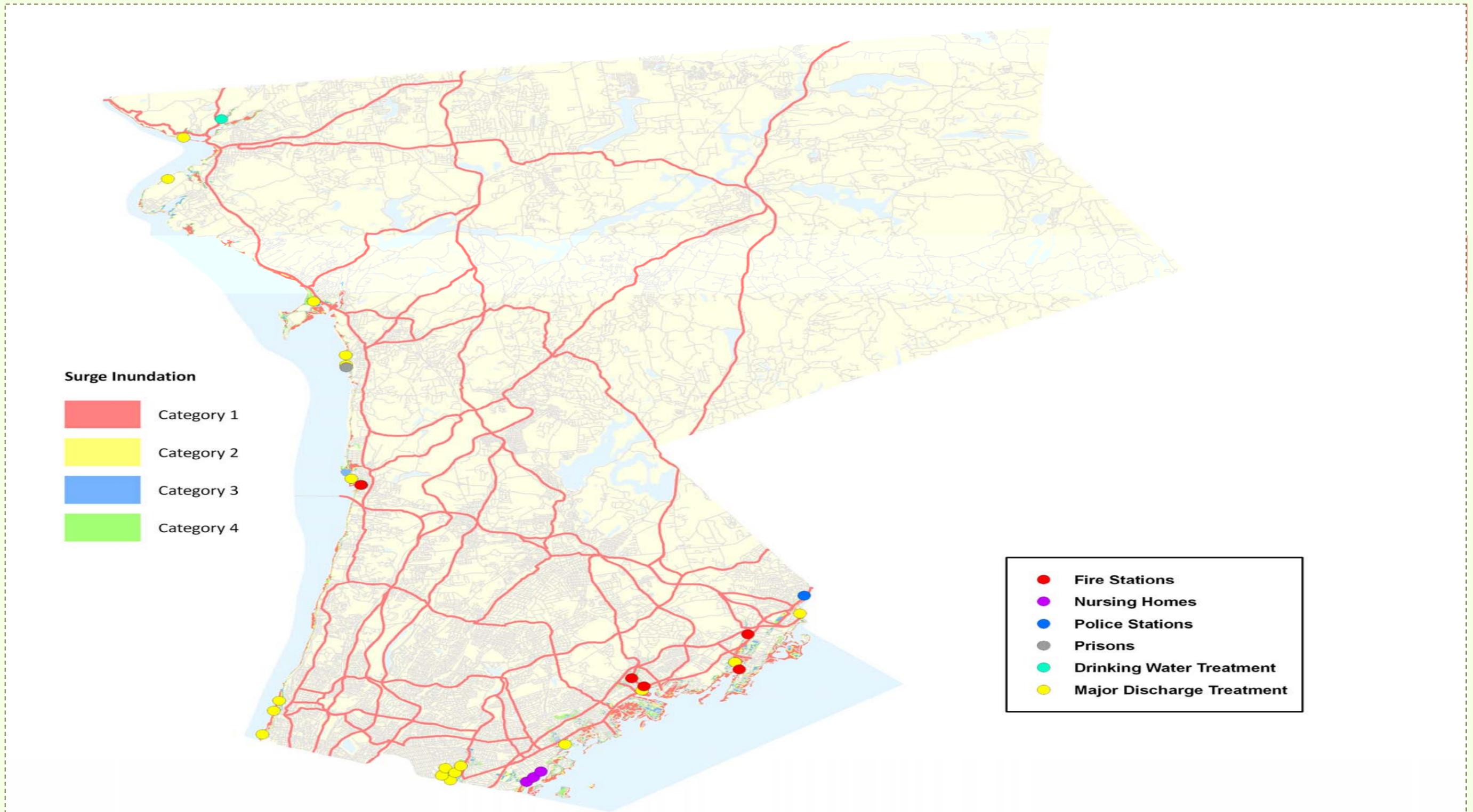


Figure 3-16: Critical Facility Locations—Westchester County



3 | VULNERABILITY ANALYSIS

EVACUATION ROUTE FLOODING

Evacuation route flooding can be caused by rainfall runoff and/or storm tide. Hurricane evacuations are normally timed so that evacuees can reach safe shelter ahead of the arrival of sustained tropical storm winds. Experience has shown that roadway flooding due to **storm surge** rarely occurs prior to the hazardous winds. However, emergency management coordinators should monitor roadway conditions and increase **clearance times** if the capacity of any **evacuation** route would be compromised as a result of flooding prior to ordering the **evacuation**.

The greatest potential for roadway flooding from rainfall is along the southern east-west arterials of Long Island, including the New York City boroughs of Brooklyn and Queens. Considering the fact that **evacuation** of the shoreline in those areas will primarily be a south-to-north traffic movement, and that the **evacuation** should be nearly completed before heavy rains begin, roadway inundation due to rainfall should not result in major disruptions.

Shown on **Table 3-7** is a listing of roads that are potentially subject to flooding during heavy rains in the New York study area. This list was obtained from the Metropolitan Transportation Authority Bridges and Tunnels that surveyed their facilities to determine flood prone locations on the roadways leading to and from bridges and tunnels that were known to be flood prone during rain events.



3 | VULNERABILITY ANALYSIS

Borough	Road Description
Manhattan	Henry Hudson Parkway at George Washington Bridge
	Henry Hudson Parkway-Saw Mill Parkway in the Cloisters vicinity
	FDR Drive in various areas between 116th Street and 59th Street
	FDR Drive south of the Brooklyn Bridge
	West Street from Battery Park through Murray Street
	West Street Underpass
	Henry Hudson Parkway at 249th Street
Brooklyn	Belt Parkway East at Knapp Street
	Belt Parkway at Pennsylvania Avenue
	Belt Parkway at Bay 8th Street
	Gowanus Expressway from Clinton Street to toll plaza of Brooklyn Bridge Tunnel
Queens	3rd Avenue exit ramp from CIP Exit #36 ramp
	14th Avenue exit ramp at CIP and Whitestone Expressway
	Throgs Neck Bridge at Cross Island Parkway
	Grand Central Parkway at Brooklyn Queens Expressway exit
	Grand Central Parkway prior to the Marine Air Terminal exit
	Grand Central Parkway between 31st Street and 33rd Street prior to the Hoyt Avenue exit
	Grand Central Parkway at 31st Street
	Grand Central Parkway at the Triborough Bridge base ramp
	Queens-Midtown Tunnel at Borden Avenue
	Queens-Midtown Tunnel at 11th Street entrance ramp
	Cross Bay Boulevard at 1st Road (Jamaica Bay Wildlife Refuge)
Bronx	Henry Hudson Parkway-Saw Mill Parkway approaching the George Washington Bridge
	Henry Hudson Parkway at Kappock Street Exit
	Henry Hudson Parkway-Saw Mill Parkway in the Mosholu Parkway vicinity
	Triborough Bridge at Bruckner Ramp
	Ferry Point Park Service Road in Bronx at:
	~ West entrance to DPR Golf Course project site
	~ Northbound Lafayette Avenue exit ramp near west side of St. Raymond's Cemetery
	~ West side of golf course next to northbound toll plaza

Table 3-7: Roadways with Flood Potential



3 | VULNERABILITY ANALYSIS

EMERGENCY TRANSPORTATION NEEDS

Evacuation preparedness plans should consider all persons who do not have access to a private vehicle and therefore would have to rely on public transportation for **evacuation**. Local governments should attempt to arrange for resources to meet the demand for public transportation.

Planning for adequate special needs emergency transportation for residents in private homes is usually the responsibility of local emergency management officials, while transportation for those in health-related facilities should be the responsibility of the individual facilities. Although detailed information concerning residents of private homes may be difficult to obtain, each local government should continue the practice of maintaining an up-to-date roster of persons likely to need special assistance. Non-ambulatory patients will require transportation that can easily accommodate wheelchairs, stretchers, and, possibly, life-sustaining equipment. Lack of resources for these needs could result in critical **evacuation** delays and increased hazards for the evacuees. This is a major challenge in the New York study area and may require resources beyond what local government can provide.

MOBILE HOMES

The location and capacity of existing mobile home park facilities is also critical because it is recommended that all of them be evacuated for any storm threat that would result in hurricane force winds. This is not a major issue for the study area, but there are pockets of manufactured housing in the more “rural” areas of each borough/county.

MARINAS AND BOAT STORAGE

The location and capacity of existing marinas and boat storage facilities is also critical because many boat owners will attempt to move their boat to safety. This is particularly true if the boat can be loaded on a trailer. Emergency managers must consider the magnitude of these efforts and plan for possible impacts to **evacuation** routes and **evacuation** times. The marina facilities should also anticipate the number of users planning to obtain their boats and the time it will take to retrieve and load the boats and secure their facilities.