

Sea Level Rise Scenarios Affecting Roads

Town of North Kingstown

Map Created: 8/11/2016

Map Legend

NOTES:
 The Sea Level Rise (SLR) Inundation modified bathtub model does not take into consideration future erosion or storm surge.

Includes Hillshade from USGS 2011 LiDAR

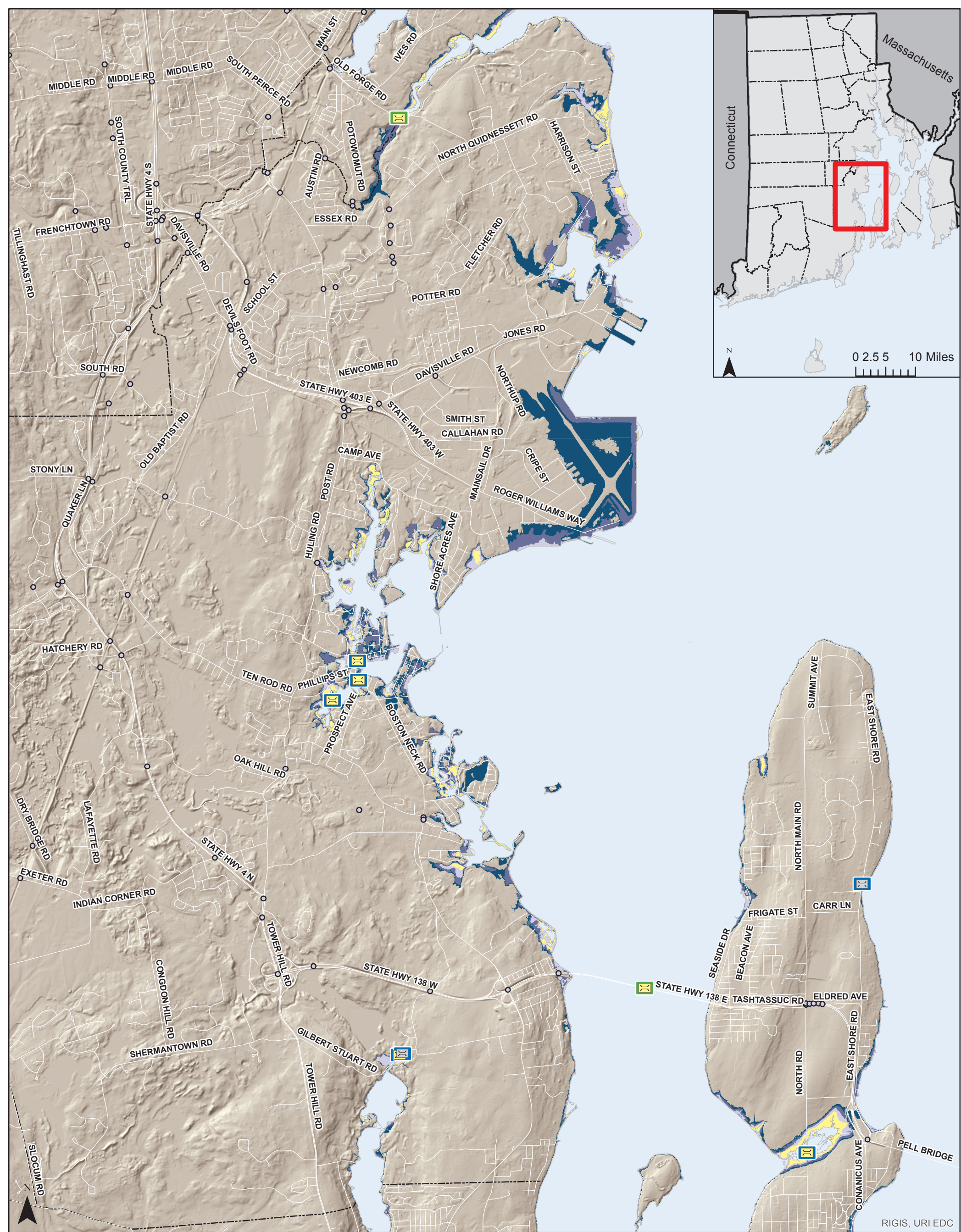
- Current Mean Higher High Water
- 1Ft Sea Level Rise
- 3Ft Sea Level Rise
- 5Ft Sea Level Rise
- 7Ft Sea Level Rise
- City and Town Boundaries
- Potentially Affected Roads
- Roads

0 0.25 0.5 1 Miles

Map Disclaimer: This map is not the product of a Professional Land Survey. It was created by RI Statewide Planning Program for general reference, informational, planning and guidance use, and is not a legally authoritative source as to location of natural or manmade features. Proper interpretation of this map may require the assistance of appropriate professional services. RI Statewide Planning Program makes no warranty, express or implied, related to the spatial accuracy, reliability, completeness, or currentness of this map.

Relative Road Vulnerability to Sea Level Rise													
North Kingstown			Linear Feet of Road Inundated At:										
Muni Rank	State Rank	Road Name	1 Foot of SLR	3 Feet of SLR	5 Feet of SLR	7 Feet of SLR	Total Linear Feet	Hazard Score	Evacuation Route	Intermodal Facility	Functional Classification	System Score	Vulnerability Score
1	14	PHILLIPS ST		172	602	473	1,247	2.74	Yes	Yes	Principal Art.	4.40	7.14
2	73	ZARBO AVE			1,660	120	1,781	4.76	No	No	Local	0.60	5.36
3	90	WEST MAIN ST		325	384	53	761	2.35	Yes	No	Minor Art.	2.80	5.15
4	119	BOSTON NECK RD	6	9	113	157	285	1.50	No	Yes	Principal Art.	3.40	4.90
5	136	STATE HWY 138 W	23	53	16	13	105	1.94	No	No	Freeways	2.70	4.64
6	144	STATE HWY 138 E	20	85	16	10	131	1.80	No	No	Freeways	2.70	4.50
7	153	GILBERT STUART RD	15	181	689	138	1,024	3.23	No	No	Major Coll.	1.20	4.43
8	159	EARLE DR		1,088	1,374	474	2,935	3.73	No	No	Local	0.60	4.33
9	196	SANFORD RD			1,404	1,717	3,122	3.50	No	No	Local	0.60	4.10
10	227	NEWTOWN AVE		161	705	55	921	3.38	No	No	Local	0.60	3.98
11	242	FOWLER ST		217	1,161	158	1,536	3.29	No	No	Local	0.60	3.89
12	260	ROGER WILLIAMS WAY			211	1,017	1,228	1.50	No	No	Principal Art.	2.29	3.79
13	270	ISLAND ST		115	16	10	140	3.14	No	No	Local	0.60	3.74
14	298	FLAT FISH ALLEY		6	370	1,183	1,559	3.02	No	No	Local	0.60	3.62
15	325	BROWN ST		17	389	222	628	1.50	No	No	Minor Art.	2.01	3.51
16	378	STEAMBOAT AVE		179	673	643	1,494	2.64	No	No	Local	0.60	3.24
17	407	LOOP DR		535	331	196	1,063	2.51	No	No	Local	0.60	3.11
18	425	WALMSLEY LN			21	25	46	1.50	Yes	No	Local	1.60	3.10
19	438	MAIN ST		63	756	879	1,698	2.39	No	No	Local	0.60	2.99
20	458	LEXINGTON AVE		360	353	184	897	2.30	No	No	Local	0.60	2.90
21	469	ESMOND AVE		261	177	270	708	2.24	No	No	Local	0.60	2.84
22	471	CONCORD AVE		229	267	136	632	2.22	No	No	Local	0.60	2.82
23	515	ELGIN AVE		142	183	195	521	2.05	No	No	Local	0.60	2.65
24	520	WASHINGTON ST		181	434	77	693	2.02	No	No	Local	0.60	2.62
25	523	WORSLEY AVE		280	96	809	1,185	1.97	No	No	Local	0.60	2.57
26	539	ENFIELD AVE		110	372	284	766	1.79	No	No	Local	0.60	2.39
27	555	CLINTON DR			132	146	277	1.50	No	No	Local	0.60	2.10
28	556	WALDRON AVE			226	382	608	1.50	No	No	Local	0.60	2.10
29	557	WALL ST		39	130	40	209	1.50	No	No	Local	0.60	2.10
30	907	AIRPORT ST				76	76	1.50	No	No	Local	0.60	2.10
31	908	ANTHONY DR				37	37	1.50	No	No	Local	0.60	2.10
32	909	ARMINGTON AVE			252	85	337	1.50	No	No	Local	0.60	2.10
33	910	BATES AVE				33	33	1.50	No	No	Local	0.60	2.10
34	911	BAY ST		29	104	218	351	1.50	No	No	Local	0.60	2.10
35	912	BISSELL AVE		93	115	44	252	1.50	No	No	Local	0.60	2.10
36	913	BRUCE BOYER ST		66	126	76	269	1.50	No	No	Local	0.60	2.10
37	914	BUENA VISTA DR				64	64	1.50	No	No	Local	0.60	2.10
38	915	CECIL AVE				132	132	1.50	No	No	Local	0.60	2.10
39	916	COLD SPRING LN				14	14	1.50	No	No	Local	0.60	2.10
40	917	CONGDON AVE				28	28	1.50	No	No	Local	0.60	2.10
41	918	CONWAY AVE				11	11	1.50	No	No	Local	0.60	2.10
42	919	CROWFIELD RD				74	74	1.50	No	No	Local	0.60	2.10
43	920	DAVISVILLE RD				329	329	1.50	No	No	Local	0.60	2.10
44	921	EAGLE DR				20	20	1.50	No	No	Local	0.60	2.10
45	922	ELAM ST				244	244	1.50	No	No	Local	0.60	2.10
46	923	ELDRED LN			358	95	453	1.50	No	No	Local	0.60	2.10
47	924	FOUNTAIN ST			151	59	210	1.50	No	No	Local	0.60	2.10
48	925	FOX ISL				3	3	1.50	No	No	Local	0.60	2.10
49	926	FRANKLIN ST				102	102	1.50	No	No	Local	0.60	2.10
50	927	GOLD ST			35	87	122	1.50	No	No	Local	0.60	2.10
51	928	JOHNSON AVE				54	54	1.50	No	No	Local	0.60	2.10
52	929	LANDING LN			35	54	89	1.50	No	No	Local	0.60	2.10
53	930	LAWTON AVE			124	616	740	1.50	No	No	Local	0.60	2.10
54	931	LOWELL AVE				118	118	1.50	No	No	Local	0.60	2.10
55	932	MADISON AVE			483	234	717	1.50	No	No	Local	0.60	2.10
56	933	NEWPORT AVE				67	67	1.50	No	No	Local	0.60	2.10
57	934	NORTH COVE CIR				10	10	1.50	No	No	Local	0.60	2.10
58	935	OAKLAND AVE				59	59	1.50	No	No	Local	0.60	2.10
59	936	OLD FORGE RD	3	3	3	3	13	1.50	No	No	Local	0.60	2.10
60	937	PATROL RD			360	150	511	1.50	No	No	Local	0.60	2.10
61	938	PETEE AVE			114	128	242	1.50	No	No	Local	0.60	2.10
62	939	POND ST			223	29	252	1.50	No	No	Local	0.60	2.10
63	940	POPLAR AVE			242	44	286	1.50	No	No	Local	0.60	2.10
64	941	QUARRY RD				1	1	1.50	No	No	Local	0.60	2.10
65	942	RICHARD SMITH DR				228	228	1.50	No	No	Local	0.60	2.10
66	943	ROGERS AVE			122	33	155	1.50	No	No	Local	0.60	2.10
67	944	ROOSEVELT AVE				137	137	1.50	No	No	Local	0.60	2.10
68	945	RUSSELL DR			313	103	415	1.50	No	No	Local	0.60	2.10
69	946	SAUGA AVE				0	0	1.50	No	No	Local	0.60	2.10
70	947	SECOND ST	14	51	53	49	166	1.50	No	No	Local	0.60	2.10

Muni Rank	State Rank	Road Name	1 Foot of SLR	3 Feet of SLR	5 Feet of SLR	7 Feet of SLR	Total Linear Feet	Hazard Score	Evacuation Route	Intermodal Facility	Functional Classification	System Score	Vulnerability Score
71	948	SHADY COVE RD				76	76	1.50	No	No	Local	0.60	2.10
72	949	STARBOARD WAY			73	170	243	1.50	No	No	Local	0.60	2.10
73	950	TERMINAL WAY				298	298	1.50	No	No	Local	0.60	2.10
74	951	TIDAL DR			30	85	115	1.50	No	No	Local	0.60	2.10
75	952	UPDIKE AVE				157	157	1.50	No	No	Local	0.60	2.10
76	953	WALNUT RD				137	137	1.50	No	No	Local	0.60	2.10
77	954	WILLIAM ST			88	170	258	1.50	No	No	Local	0.60	2.10
78	955	WINSOR AVE		30	55	34	120	1.50	No	No	Local	0.60	2.10
79	956	WRIGHT LN			179	768	947	1.50	No	No	Local	0.60	2.10
80	1,369	ALLEN HARBOR RD			20	615	635	1.50	No	No	Local	0.60	2.10
81	1,370	BEACH ST		16	99	910	1,025	1.50	No	No	Local	0.60	2.10
82	1,371	BOONE ST		35	341	88	465	1.50	No	No	Local	0.60	2.10
83	1,372	CHURCH LN			78	654	732	1.50	No	No	Local	0.60	2.10
84	1,373	FRIEND ST			109	77	187	1.50	No	No	Local	0.60	2.10
85	1,374	NARRAGANSETT RD			44	66	110	1.50	No	No	Local	0.60	2.10
86	1,375	OCEAN AVE		89	257	221	566	1.50	No	No	Local	0.60	2.10
87	1,376	PLEASANT ST		41	67	194	303	1.50	No	No	Local	0.60	2.10
TOTAL LINEAR FEET			82	5,262	17,913	18,737	41,994						



Sea Level Rise Scenarios Affecting Bridges

Town of North Kingstown

Map Created: 8/11/2016

Map Legend

NOTES:

The Sea Level Rise (SLR) Inundation modified bathtub model does not take into consideration future erosion or storm surge.

Includes Hillshade from USGS 2011 LiDAR

- | | | |
|--|--------------------------------|--------------------------|
| Freeboard Potentially Affected by SLR | Current Mean Higher High Water | City and Town Boundaries |
| Freeboard Unlikely to be Affected by SLR | 1Ft Sea Level Rise | Roads |
| Not Exposed to SLR | 3Ft Sea Level Rise | |
| Bridge Accessible | 5Ft Sea Level Rise | |
| Possible Bridge Access Problem | 7Ft Sea Level Rise | |

0 0.5 1 2 Miles

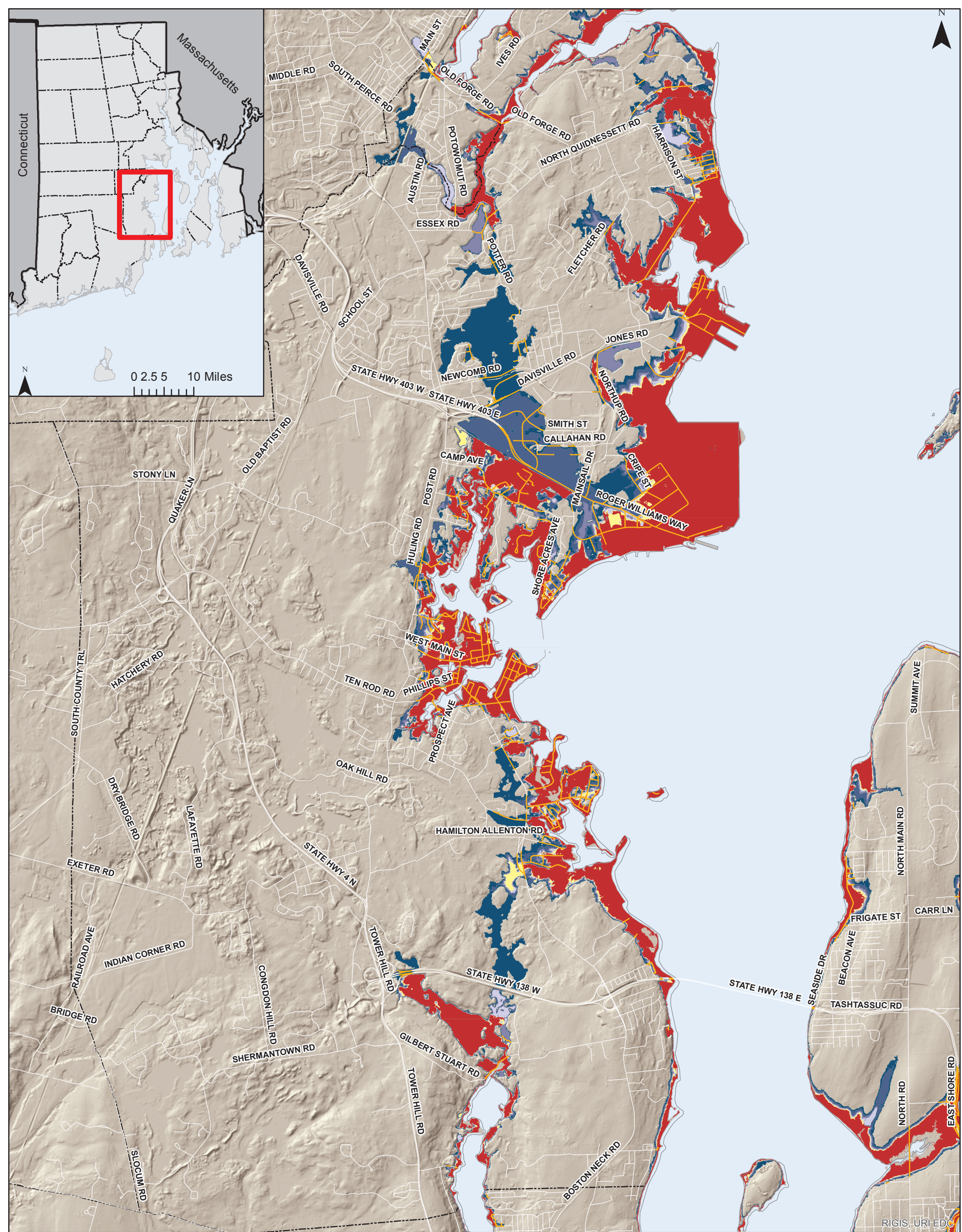


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Bridges Possibly Affected by Sea Level Rise in the Town of North Kingstown

Mun. Rank	State Rank	Bridge Name	Facility Carried	Feature Intersected	Inches of Freeboard Relative to 7FtSLR	Terrain Crossed	Landing Access	Haz. Score	Intermodal Facility	Evacuation Route	AADT	Sys. Score	Vuln. Score
1	6	C.L. Hussey Memorial	US 1A BSTN NCK RD	WICKFORD COVE	-36	MHHW	Problem	5.00	Yes	No	13,636	3.10	8.10
2	22	Wickford	US 1A BSTN NCK RD	ACADEMY COVE	-23	MHHW	Problem	5.00	No	No	9,100	2.10	7.10
3	35	Gilbert Stuart	GILBERT STUART RD	MATTATUXET R	-43	MHHW	Problem	5.00	No	No	278	1.50	6.50
4	55	Loop Drive Culvert	LOOP DR	WICKFORD COVE	-16	Water	Problem	4.50	No	No	100	1.50	6.00
5	73	Gilbert Stuart Mill	GILBERT STUART RD	GILBERT STUART STREAM	21	Water	Problem	3.30	No	No	278	1.50	4.80



100 Year Storm Surge Event Plus Sea Level Rise Scenarios Affecting Roads

Town of North Kingstown











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Map Legend

NOTES:

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Includes Hillshade from USGS 2011 LiDAR

-  Current Ponds & Mean Higher High Water
-  100-Year Storm Event
-  100-Year Plus 1 ft. of SLR
-  100-Year Plus 2 ft. of SLR
-  100-Year Plus 3 ft. of SLR
-  100-Year Plus 5 ft. of SLR
-  100-Year Plus 7 ft. of SLR
-  City and Town Boundaries
-  Potentially Affected Roads
-  Roads

0 0.275 0.55 1.1 Miles



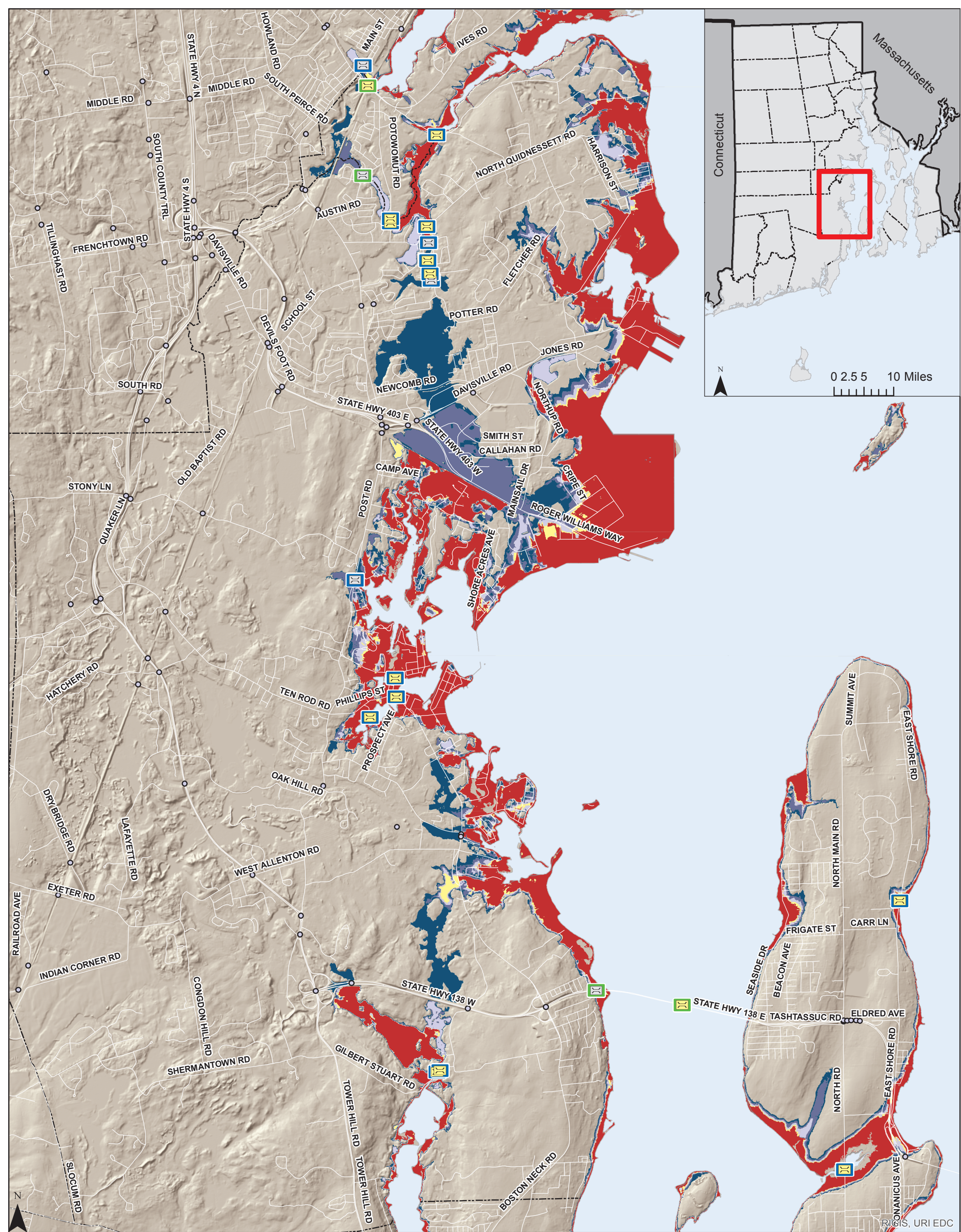
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Relative Road Vulnerability to 100-Year Storm Surge Event Plus Sea Level Rise														
North Kingstown			Linear Feet Inundated During 100 Year Surge Event Plus:											
Muni. Rank	State Rank	NAME	No SLR	1 Foot of SLR	3 Feet of SLR	5 Feet of SLR	7 Feet of SLR	Total Linear Feet	Haz. Score	Evac. Route	Intermodal Facility	Functional Classification	Sys. Score	Vulnerability Score
1	2	PHILLIPS ST	1,842	198	44	34	43	2,161	4.80	Yes	Yes	Principal Art.	4.40	9.20
2	19	STATE HWY 403 W				2,173	366	2,538	4.50	Yes	No	Freeways	3.70	8.20
3	21	BOSTON NECK RD	1,753	386	510	761	2,424	5,834	4.44	Yes	Yes	Principal Art.	3.73	8.17
4	50	STATE HWY 403 E				2,680	142	2,822	4.82	No	No	Freeways	2.70	7.52
5	62	BROWN ST	991					991	5.00	No	No	Minor Art.	2.27	7.27
6	63	WEST MAIN ST	1,723	61	119	97	79	2,078	4.46	Yes	No	Minor Art.	2.80	7.26
7	80	POST RD				1,142	941	2,083	2.60	Yes	Yes	Principal Art.	4.40	7.00
8	90	ROGER WILLIAMS WAY	2,663	180	2,377	3,525	316	9,061	4.67	No	No	Principal Art.	2.18	6.86
9	164	ECCLESTON AVE	1,906					1,906	5.00	No	No	Major Coll.	1.20	6.20
10	168	ON RAMP US-1 N					606	606	1.50	Yes	Yes	Freeways	4.70	6.20
11	180	NORTH QUIDNESSETT RD	359	125	744	64	44	1,336	3.88	Yes	No	Major Coll.	2.20	6.08
12	182	COMMERCE PARK RD				3,611	133	3,744	4.88	No	No	Major Coll.	1.20	6.08
13	203	GILBERT STUART RD	1,388	24	49	40	33	1,535	4.70	No	No	Major Coll.	1.20	5.90
14	219	AIRPORT ST	2,302					2,302	5.00	No	No	Minor Coll.	0.82	5.82
15	240	NEWCOMB RD					1,742	1,742	3.50	No	Yes	Major Coll.	2.20	5.70
16	607	ALLEN ST	324					324	5.00	No	No	Local	0.60	5.60
17	608	ARMINGTON AVE	337					337	5.00	No	No	Local	0.60	5.60
18	609	BAY ST	351					351	5.00	No	No	Local	0.60	5.60
19	610	BROOK VIEW DR	406					406	5.00	No	No	Local	0.60	5.60
20	611	BRUCE BOYER ST	1,391					1,391	5.00	No	No	Local	0.60	5.60
21	612	CATTAIL LN	455					455	5.00	No	No	Local	0.60	5.60
22	613	CECIL AVE	420					420	5.00	No	No	Local	0.60	5.60
23	614	CHURCH LN	920					920	5.00	No	No	Local	0.60	5.60
24	615	CONCORD AVE	632					632	5.00	No	No	Local	0.60	5.60
25	616	COVE ST	312					312	5.00	No	No	Local	0.60	5.60
26	617	ELAM ST	567					567	5.00	No	No	Local	0.60	5.60
27	618	ELDRED LN	809					809	5.00	No	No	Local	0.60	5.60
28	619	ELGIN AVE	545					545	5.00	No	No	Local	0.60	5.60
29	620	ENFIELD AVE	818					818	5.00	No	No	Local	0.60	5.60
30	621	ESMOND AVE	733					733	5.00	No	No	Local	0.60	5.60
31	622	FOUNTAIN ST	210					210	5.00	No	No	Local	0.60	5.60
32	623	FOWLER ST	1,536					1,536	5.00	No	No	Local	0.60	5.60
33	624	FOX ISL	304					304	5.00	No	No	Local	0.60	5.60
34	625	FRANKLIN ST	248					248	5.00	No	No	Local	0.60	5.60
35	626	FRIEND ST	318					318	5.00	No	No	Local	0.60	5.60
36	627	GOLD ST	213					213	5.00	No	No	Local	0.60	5.60
37	628	GREGORY AVE	514					514	5.00	No	No	Local	0.60	5.60
38	629	KEEL ST	675					675	5.00	No	No	Local	0.60	5.60
39	630	LAWTON AVE	907					907	5.00	No	No	Local	0.60	5.60
40	631	LEXINGTON AVE	897					897	5.00	No	No	Local	0.60	5.60
41	632	LOOP DR	1,397					1,397	5.00	No	No	Local	0.60	5.60
42	633	LOWELL AVE	171					171	5.00	No	No	Local	0.60	5.60
43	634	MACNAUGHT ST	1,308					1,308	5.00	No	No	Local	0.60	5.60
44	635	MADISON AVE	717					717	5.00	No	No	Local	0.60	5.60
45	636	MAIN ST	1,698					1,698	5.00	No	No	Local	0.60	5.60
46	637	MATTESON ST	217					217	5.00	No	No	Local	0.60	5.60
47	638	MCNAUGHT RD	1,139					1,139	5.00	No	No	Local	0.60	5.60
48	639	OAKLAND AVE	398					398	5.00	No	No	Local	0.60	5.60
49	640	OCEAN AVE	702					702	5.00	No	No	Local	0.60	5.60
50	641	OCEAN STATE DR				1,527		1,527	5.00	No	No	Local	0.60	5.60
51	642	PATROL RD	587					587	5.00	No	No	Local	0.60	5.60
52	643	POND ST	252					252	5.00	No	No	Local	0.60	5.60
53	644	REYNOLDS ST	613					613	5.00	No	No	Local	0.60	5.60
54	645	RIPPLE LN	481					481	5.00	No	No	Local	0.60	5.60
55	646	ROGERS AVE	155					155	5.00	No	No	Local	0.60	5.60
56	647	RUSSELL DR	415					415	5.00	No	No	Local	0.60	5.60
57	648	SPINK ST	215					215	5.00	No	No	Local	0.60	5.60
58	649	STARBOARD WAY	736					736	5.00	No	No	Local	0.60	5.60
59	650	STEAMBOAT AVE	2,384					2,384	5.00	No	No	Local	0.60	5.60
60	651	STUART DR	98					98	5.00	No	No	Local	0.60	5.60
61	652	TERMINAL WAY	2,695					2,695	5.00	No	No	Local	0.60	5.60
62	653	WALL ST	209					209	5.00	No	No	Local	0.60	5.60
63	654	WASHINGTON ST	761					761	5.00	No	No	Local	0.60	5.60
64	655	WATERWHEEL LN	729					729	5.00	No	No	Local	0.60	5.60
65	656	WILLIAM ST	430					430	5.00	No	No	Local	0.60	5.60
66	657	WORSLEY AVE	1,185					1,185	5.00	No	No	Local	0.60	5.60
67	658	WRIGHT LN	1,115					1,115	5.00	No	No	Local	0.60	5.60
68	659	ZARBO AVE	1,781					1,781	5.00	No	No	Local	0.60	5.60
69	1,037	DILLABUR AVE	1,969	381	25			2,375	4.96	No	No	Local	0.60	5.56
70	1,070	FIRST ST	396	9				405	4.92	No	No	Local	0.60	5.52
71	1,085	THORNTON WAY	838	64				902	4.89	No	No	Local	0.60	5.49

Muni. Rank	State Rank	NAME	No SLR	1 Foot of SLR	3 Feet of SLR	5 Feet of SLR	7 Feet of SLR	Total Linear Feet	Haz. Score	Evac. Route	Intermodal Facility	Functional Classification	Sys. Score	Vulnerability Score
72	1,092	STATE HWY 138 E	151	3	66	26	602	848	2.12	No	Yes	Freeways	3.36	5.49
73	1,093	PLEASANT ST	1,361	109	122			1,591	4.89	No	No	Local	0.60	5.49
74	1,104	RIPTIDE DR	458	49				508	4.85	No	No	Local	0.60	5.45
75	1,111	CONWAY AVE	1,262	840	631	80		2,814	4.56	No	No	Minor Coll.	0.88	5.44
76	1,123	DAVISVILLE RD	1,455	75	151	93	2,815	4,590	3.27	No	No	Minor Art.	2.15	5.42
77	1,164	MILLCREEK DR	1,426	30	56	49		1,560	4.74	No	No	Local	0.60	5.34
78	1,170	ALLEN HARBOR RD	2,233	40	81	95		2,449	4.72	No	No	Local	0.60	5.32
79	1,172	ISLAND ST	221	50				271	4.72	No	No	Local	0.60	5.32
80	1,174	SECOND ST	634	138	155			927	4.72	No	No	Local	0.60	5.32
81	1,180	EARLE DR	3,287	10	57	76	155	3,585	4.71	No	No	Local	0.60	5.31
82	1,187	SANFORD RD	4,670	42	86	99	232	5,129	4.70	No	No	Local	0.60	5.30
83	1,222	BURLINGHAM AVE	802	47	1,177	122		2,148	4.64	No	No	Local	0.60	5.24
84	1,241	ESSEX RD			341	61	50	452	3.01	Yes	No	Major Coll.	2.20	5.21
85	1,245	WALDRON AVE	2,295	225	430	140	37	3,127	4.60	No	No	Local	0.60	5.20
86	1,248	SHORE ACRES AVE	1,047	380	341	86	217	2,071	4.19	No	No	Minor Coll.	1.00	5.19
87	1,260	BATES AVE	852	130	395			1,377	4.57	No	No	Local	0.60	5.17
88	1,262	CASEY AVE	549	95	126			770	4.57	No	No	Local	0.60	5.17
89	1,263	TIDAL DR	1,147	146	139	42		1,474	4.57	No	No	Local	0.60	5.17
90	1,269	JOHN THOMAS ST	357	85	21			463	4.56	No	No	Local	0.60	5.16
91	1,286	UPDIKE AVE	439	29	58	0		525	4.53	No	No	Local	0.60	5.13
92	1,288	CAMP AVE	1,285	484	585	468	1,148	3,970	3.93	No	No	Major Coll.	1.20	5.13
93	1,294	NEWTOWN AVE	964	69	237			1,270	4.52	No	No	Local	0.60	5.12
94	1,327	FISHING COVE RD	2,050	48	176	70	128	2,472	4.44	No	No	Local	0.60	5.04
95	1,364	FLAT FISH ALLEY	1,905	26	52	69	288	2,339	4.37	No	No	Local	0.60	4.97
96	1,386	STATE HWY 138 W	121	3	43	30	566	763	2.06	No	No	Freeways	2.88	4.94
97	1,424	HOPEDALE DR	475	24	37	37	41	614	4.28	No	No	Local	0.60	4.88
98	1,432	BROADWAY	773	160	634			1,567	4.28	No	No	Local	0.60	4.88
99	1,443	OLD FORGE RD	208	17	34	34	27	320	3.72	No	No	Major Coll.	1.14	4.86
100	1,452	ROOSEVELT AVE	1,673	196	590	728	157	3,344	4.24	No	No	Local	0.60	4.84
101	1,482	WALNUT RD	921	185	310	115	96	1,627	4.21	No	No	Local	0.60	4.81
102	1,547	EAGLE DR	323	14	24	33	41	434	4.11	No	No	Local	0.60	4.71
103	1,555	ANNAQUATUCKET RD					1,591	1,591	3.50	No	No	Major Coll.	1.20	4.70
104	1,556	ROMANO VINEYARD WAY					1,835	1,835	3.50	No	No	Major Coll.	1.20	4.70
105	1,558	BOONE ST	624	47	67	65	75	878	4.10	No	No	Local	0.60	4.70
106	1,566	SAUGA AVE	924	341	519	328		2,111	4.09	No	No	Local	0.60	4.69
107	1,603	CIRCLE DR	150	320	349	107		926	4.03	No	No	Local	0.60	4.63
108	1,613	JOHNSON AVE	546	55	173	33		807	4.00	No	No	Local	0.60	4.60
109	1,632	CROWFIELD RD	151	11	19	13	18	212	3.98	No	No	Local	0.60	4.58
110	1,645	ASQAH DR	876	211	199	180	169	1,635	3.96	No	No	Local	0.60	4.56
111	1,648	LENOX CT	50	203	593			846	3.95	No	No	Local	0.60	4.55
112	1,660	CRANSTON CIR	649	53	50	36	191	979	3.93	No	No	Local	0.60	4.53
113	1,669	POPLAR AVE	338	23	89	60		511	3.91	No	No	Local	0.60	4.51
114	1,685	BEACH ST	1,210	46	235	292	279	2,062	3.71	No	No	Minor Coll.	0.78	4.49
115	1,688	SHADY COVE RD	992	141	223	415		1,772	3.89	No	No	Local	0.60	4.49
116	1,756	SMITH ST				845	158	1,003	3.18	No	No	Major Coll.	1.20	4.38
117	1,770	PLANTATION LN	234	23	43	51	31	383	3.76	No	No	Local	0.60	4.36
118	1,776	COLD SPRING LN	425	57	302	77	121	983	3.75	No	No	Local	0.60	4.35
119	1,778	CRIFE ST		34	497	1,092	316	1,940	3.14	No	No	Major Coll.	1.20	4.34
120	1,784	ANTHONY DR	277	80	64	60	25	505	3.73	No	No	Local	0.60	4.33
121	1,797	TERRE MAR DR	784	60	455	516	351	2,165	3.72	No	No	Local	0.60	4.32
122	1,802	BELVER AVE	840	261	404	329	273	2,108	3.71	No	No	Local	0.60	4.31
123	1,820	RICHARD SMITH DR	658	78	240	156	213	1,345	3.69	No	No	Local	0.60	4.29
124	1,833	NEWPORT AVE	477	37	76	185	33	808	3.66	No	No	Local	0.60	4.26
125	1,843	BUENA VISTA DR	612	86	514	914	208	2,333	3.65	No	No	Local	0.60	4.25
126	1,849	SEAVIEW AVE	197	87	300	37		622	3.64	No	No	Local	0.60	4.24
127	1,852	JONES RD	516	85	210	522	824	2,157	3.03	No	No	Major Coll.	1.20	4.23
128	1,857	ELM DR	405	132	331	202	128	1,198	3.62	No	No	Local	0.60	4.22
129	1,872	ON RAMP RI-138 E				368	191	559	1.50	No	No	Freeways	2.70	4.20
130	1,882	BISSELL AVE	366	13	37	69	129	615	3.58	No	No	Local	0.60	4.18
131	1,916	NORTH COVE CIR	195	27	64	78		364	3.52	No	No	Local	0.60	4.12
132	1,957	PINE RIVER DR					1,432	1,432	3.50	No	No	Local	0.60	4.10
133	1,972	PETEE AVE	623	68	122	355		1,168	3.48	No	No	Local	0.60	4.08
134	1,975	SEABREEZE DR	896	47	348	702	712	2,705	3.47	No	No	Local	0.60	4.07
135	1,991	CLINTON DR	584	64	235	255	171	1,308	3.45	No	No	Local	0.60	4.05
136	1,992	DINGHY WAY				761	21	782	3.45	No	No	Local	0.60	4.05
137	2,007	MARTHA RD	192	124	109	106	41	572	3.43	No	No	Local	0.60	4.03
138	2,009	LANDING LN	153	12	138	110		412	3.43	No	No	Local	0.60	4.03
139	2,014	WALMSLEY LN	71	4	14	80	99	267	2.43	Yes	No	Local	1.60	4.03
140	2,085	RAMBLEWOOD DR			443	23	19	485	3.29	No	No	Local	0.60	3.89
141	2,087	MAINSAIL DR				508	350	858	2.68	No	No	Major Coll.	1.20	3.88
142	2,088	CRAWFORD ALLEN HOSPITAL RD	678	354	547	349	713	2,642	3.28	No	No	Local	0.60	3.88
143	2,099	FLORAL AVE	273	85	233	61	158	810	3.27	No	No	Local	0.60	3.87
144	2,103	WINSOR AVE	353	158	152	528	420	1,611	3.27	No	No	Local	0.60	3.87

Muni. Rank	State Rank	NAME	No SLR	1 Foot of SLR	3 Feet of SLR	5 Feet of SLR	7 Feet of SLR	Total Linear Feet	Haz. Score	Evac. Route	Intermodal Facility	Functional Classification	Sys. Score	Vulnerability Score
145	2,111	OVERLOOK DR		1	500	69		570	3.25	No	No	Local	0.60	3.85
146	2,125	WINDWARD WALK	280	124	221	196	259	1,080	3.22	No	No	Local	0.60	3.82
147	2,128	WEAVER RD		462	183	183	241	1,069	3.21	No	No	Local	0.60	3.81
148	2,132	BRIDGE RD	61	11	18	21	14	125	3.20	No	No	Local	0.60	3.80
149	2,160	THOMPSON RD			529	674	251	1,455	3.15	No	No	Local	0.60	3.75
150	2,191	CONGDON AVE	602	83	153	243	348	1,429	3.09	No	No	Local	0.60	3.69
151	2,200	DANA RD	281	68	135	112	119	715	3.07	No	No	Local	0.60	3.67
152	2,206	CEDAR GLEN	183	37	54	111	77	461	3.05	No	No	Local	0.60	3.65
153	2,208	CHESTNUT RD	154	34	75	68	64	395	3.04	No	No	Local	0.60	3.64
154	2,229	FERRY RD	66	22	31	37	26	184	3.00	No	No	Local	0.60	3.60
155	2,235	CALLAHAN RD				1,525	643	2,168	2.51	No	No	Major Coll.	1.08	3.59
156	2,239	EDGAR NOCK RD	61	24	344	106	60	595	2.98	No	No	Local	0.60	3.58
157	2,257	CIRCUIT RD	267	53	81	91	244	736	2.91	No	No	Local	0.60	3.51
158	2,259	FLETCHER RD			311	350	111	771	2.31	No	No	Major Coll.	1.20	3.51
159	2,266	MIDDLE ST			249	607	374	1,230	2.89	No	No	Local	0.60	3.49
160	2,291	DAYTON CT			398	204		602	2.82	No	No	Local	0.60	3.42
161	2,292	CIRCUIT DR			183	1,148	687	2,018	2.82	No	No	Local	0.60	3.42
162	2,301	DUCK COVE FARM			324	68	61	452	2.79	No	No	Local	0.60	3.39
163	2,342	CONNECTOR RD					276	276	1.50	No	No	Minor Art.	1.80	3.30
164	2,343	EXIT					704	704	1.50	No	No	Minor Art.	1.80	3.30
165	2,351	NARRAGANSETT RD	412	52	124	418	287	1,293	2.70	No	No	Local	0.60	3.30
166	2,355	MURRAY AVE		18	404	179	108	710	2.69	No	No	Local	0.60	3.29
167	2,357	INTREPID DR	250	60	232	318	258	1,118	2.68	No	No	Local	0.60	3.28
168	2,358	PLUM POINT RD	63	39	41	76	33	252	2.68	No	No	Local	0.60	3.28
169	2,365	QUARRY RD	58	10	16	38	51	174	2.66	No	No	Local	0.60	3.26
170	2,376	BAILEY RD	147	59	117	114	120	557	2.64	No	No	Local	0.60	3.24
171	2,385	ROBIN DR		138	85	79	130	433	2.62	No	No	Local	0.60	3.22
172	2,410	HIGHBANK AVE	294	71	157	398	195	1,115	2.55	No	No	Local	0.60	3.15
173	2,412	LANDS END DR				547	502	1,049	2.54	No	No	Local	0.60	3.14
174	2,423	POTTER RD			241	79	876	1,196	1.90	No	No	Major Coll.	1.20	3.10
175	2,442	NORTHUP RD	66	63	168	240	377	914	1.89	No	No	Major Coll.	1.20	3.09
176	2,460	POJAC POINT RD			339	148	243	730	2.43	No	No	Local	0.60	3.03
177	2,465	ALLEN AVE	199	73	110	297	240	920	2.42	No	No	Local	0.60	3.02
178	2,488	VERDANT CIR	47	22	35	32	31	168	2.33	No	No	Local	0.60	2.93
179	2,489	POTOWOMUT RD	22	10	66	52	46	196	1.73	No	No	Major Coll.	1.20	2.93
180	2,499	SUNNYBROOK DR			454	363	330	1,147	2.29	No	No	Local	0.60	2.89
181	2,524	FOURTH ST	7	59	187	100	127	480	2.22	No	No	Local	0.60	2.82
182	2,573	AUSTIN RD				11	9	20	1.50	No	No	Major Coll.	1.20	2.70
183	2,574	GENOA DR					92	92	1.50	No	No	Major Coll.	1.20	2.70
184	2,575	HULING RD					129	129	1.50	No	No	Major Coll.	1.20	2.70
185	2,576	PROSPECT AVE			142	39	56	237	1.50	No	No	Major Coll.	1.20	2.70
186	2,577	ROMANO VINYARD WAY				193	167	360	1.50	No	No	Major Coll.	1.20	2.70
187	2,604	HORSE POUND RD	41	52	50	63	128	335	2.06	No	No	Local	0.60	2.66
188	2,614	ARBOR WAY	33	49	98	109	22	312	2.03	No	No	Local	0.60	2.63
189	2,646	THIRD ST		36	154	400		590	1.96	No	No	Local	0.60	2.56
190	2,656	RUSTIC WAY	41	62	121	143	99	467	1.94	No	No	Local	0.60	2.54
191	2,659	ANCHOR WAY	24	53	106	123	42	349	1.94	No	No	Local	0.60	2.54
192	2,675	ATLANTIC AVE	15	47	94	81	75	312	1.90	No	No	Local	0.60	2.50
193	2,690	HARRISON ST				53	88	140	1.50	No	No	Minor Coll.	0.94	2.44
194	2,698	BAYVIEW AVE			238	271	447	956	1.81	No	No	Local	0.60	2.41
195	2,700	SALISBURY AVE		29	233	154	853	1,268	1.80	No	No	Local	0.60	2.40
196	2,703	SIXTH ST	13	32	65	101	95	306	1.80	No	No	Local	0.60	2.40
197	2,705	BAYBERRY DR		83	140	140	223	587	1.78	No	No	Local	0.60	2.38
198	2,710	MARITIME WAY		91	146	181	291	708	1.76	No	No	Local	0.60	2.36
199	2,732	SANFORD AVE	14	13	82	106	290	507	1.56	No	No	Local	0.60	2.16
200	2,748	WESCOTT RD			3	80	82	165	1.50	No	No	Local	0.60	2.10
201	3,003	BLUEBERRY LN					1	1	1.50	No	No	Local	0.60	2.10
202	3,004	BRIARBROOK DR					422	422	1.50	No	No	Local	0.60	2.10
203	3,005	COCUMCUSSOC WAY				387		387	1.50	No	No	Local	0.60	2.10
204	3,006	EAST KNOLLWOOD CIR					101	101	1.50	No	No	Local	0.60	2.10
205	3,007	FAIRWAY DR					364	364	1.50	No	No	Local	0.60	2.10
206	3,008	FINN ST					112	112	1.50	No	No	Local	0.60	2.10
207	3,009	GLADYS DR					553	553	1.50	No	No	Local	0.60	2.10
208	3,010	GREEN FARM LN					90	90	1.50	No	No	Local	0.60	2.10
209	3,011	GREENWAY DR					68	68	1.50	No	No	Local	0.60	2.10
210	3,012	GUZEIKA RD				34	40	74	1.50	No	No	Local	0.60	2.10
211	3,013	HAMILTON HARBOR AVE					930	930	1.50	No	No	Local	0.60	2.10
212	3,014	HARBOR CT					98	98	1.50	No	No	Local	0.60	2.10
213	3,015	JERRY LN					843	843	1.50	No	No	Local	0.60	2.10
214	3,016	KNOLLWOOD CIR					212	212	1.50	No	No	Local	0.60	2.10
215	3,017	KOSTER RD					153	153	1.50	No	No	Local	0.60	2.10
216	3,018	LINCOLN ST				64	433	497	1.50	No	No	Local	0.60	2.10
217	3,019	LINWOOD DR					641	641	1.50	No	No	Local	0.60	2.10

Muni. Rank	State Rank	NAME	No SLR	1 Foot of SLR	3 Feet of SLR	5 Feet of SLR	7 Feet of SLR	Total Linear Feet	Haz. Score	Evac. Route	Intermodal Facility	Functional Classification	Sys. Score	Vulnerability Score
218	3,020	LT JAMES BROWN RD					110	110	1.50	No	No	Local	0.60	2.10
219	3,021	MARK DR					27	27	1.50	No	No	Local	0.60	2.10
220	3,022	MASTHEAD DR					81	81	1.50	No	No	Local	0.60	2.10
221	3,023	PINE GLEN DR					512	512	1.50	No	No	Local	0.60	2.10
222	3,024	SHORT RD					177	177	1.50	No	No	Local	0.60	2.10
223	3,025	SPRING RD					425	425	1.50	No	No	Local	0.60	2.10
224	3,026	STATE POLICE-WICKFORD				118	190	308	1.50	No	No	Local	0.60	2.10
225	3,027	SWAN VIEW LN					106	106	1.50	No	No	Local	0.60	2.10
226	3,028	WEB AVE					288	288	1.50	No	No	Local	0.60	2.10
227	3,029	WELLING DR					424	424	1.50	No	No	Local	0.60	2.10
228	3,030	WICKFORD POINT RD				62	202	264	1.50	No	No	Local	0.60	2.10
229	3,323	COUNTRY CLUB DR				244	644	889	1.50	No	No	Local	0.60	2.10
230	3,324	DAVIS ST				285	184	469	1.50	No	No	Local	0.60	2.10
231	3,325	DUCK COVE RD			36	43	60	139	1.50	No	No	Local	0.60	2.10
232	3,326	DURFEE ST			94	166	115	375	1.50	No	No	Local	0.60	2.10
233	3,327	FONES AVE			13	62	86	161	1.50	No	No	Local	0.60	2.10
234	3,328	FORRESTAL AVE				351	266	617	1.50	No	No	Local	0.60	2.10
235	3,329	JOB LOT WAY				353	156	508	1.50	No	No	Local	0.60	2.10
236	3,330	LINDLEY AVE				69	250	319	1.50	No	No	Local	0.60	2.10
237	3,331	LORELEI DR			20	52	36	108	1.50	No	No	Local	0.60	2.10
238	3,332	MOUNT VIEW AVE				326	357	682	1.50	No	No	Local	0.60	2.10
239	3,333	NORTHRUP RD				442	254	696	1.50	No	No	Local	0.60	2.10
240	3,334	OLD POST RD				381	227	608	1.50	No	No	Local	0.60	2.10
241	3,335	SKATING POND LN			16	347	190	554	1.50	No	No	Local	0.60	2.10
242	3,336	STEVEN AVE				147	244	391	1.50	No	No	Local	0.60	2.10
243	3,337	WHITECAP DR				208	471	679	1.50	No	No	Local	0.60	2.10
244	3,338	WOODS WAY				385	321	706	1.50	No	No	Local	0.60	2.10
Total Linear Feet			110,927	10,751	27,828	44,758	47,611	241,875						



100 Year Storm Surge Event Plus Sea Level Rise Scenarios Affecting Bridges

Town of North Kingstown

Map Created: 8/11/2016

Map Legend

NOTES:

The Sea Level Rise (SLR) Inundation modified bathtub model does not take into consideration future erosion or storm surge.

Includes Hillshade from USGS 2011 LiDAR

- | | | |
|--|----------------------------|--------------------------|
| Freeboard Potentially Affected by Surge | 100-Year Storm Event | City and Town Boundaries |
| Freeboard Unlikely to be Affected by Surge | 100-Year Plus 1 ft. of SLR | Roads |
| Not Exposed to Surge | 100-Year Plus 3 ft. of SLR | |
| Bridge Accessible | 100-Year Plus 5 ft. of SLR | |
| Possible Bridge Access Problem | 100-Year Plus 7 ft. of SLR | |

0 0.25 0.5 1 Miles



Map Disclaimer: This map is not the product of a Professional Land Survey. It was created by RI Statewide Planning Program for general reference, informational, planning and guidance use, and is not a legally authoritative source as to location of natural or manmade features. Proper interpretation of this map may require the assistance of appropriate professional services. RI Statewide Planning Program makes no warranty, express or implied, related to the spatial accuracy, reliability, completeness, or currentness of this map.

Relative Bridge Vulnerability to 100-Year Storm Surge Event Plus Sea Level Rise in the Town of North Kingstown

Mun. Rank	State Rank	Bridge Name	Facility Carried	Feature Intersected	Inches of Freeboard Relative to 7FtSLR	Terrain Crossed	Landing Access	Haz. Score	Intermodal Facility	Evac. Route	AADT	Sys. Score	Vuln. Score
1	9	Babbitt Farm	US 1 POST RD	COCUMCUSOC BROOK	19	Water	Problem	4.10	Yes	Yes	22,500	5.00	9.10
2	25	C.L. Hussey Memorial	US 1A BSTN NCK RD	WICKFORD COVE	-180	MHHW	Problem	5.00	Yes	No	13,636	2.80	7.80
3	32	North Quidnessett Rd	NORTH QUIDNESSETT	SANDHILL BROOK	-50	Water	Problem	4.50	No	Yes	5,000	2.80	7.30
4	49	Wickford	US 1A BSTN NCK RD	ACADEMY COVE	-143	MHHW	Problem	5.00	No	No	9,100	1.80	6.80
5	93	Gilbert Stuart	GILBERT STUART RD	MATTATUXET R	-175	MHHW	Problem	5.00	No	No	278	0.60	5.60
6	111	Potowomut	POTOWOMUT RD	POTOWOMUT R	-108	Water	Problem	4.50	No	No	1,515	0.60	5.10
7	112	Gilbert Stuart Mill	GILBERT STUART RD	GILBERT STUART STREAM	-114	Water	Problem	4.50	No	No	278	0.60	5.10
8	113	Spring Rd	SPRING RD	SANDHILL BROOK	-6	Water	Problem	4.50	No	No	100	0.60	5.10
9	114	Loop Drive Culvert	LOOP DR	WICKFORD COVE	-159	Water	Problem	4.50	No	No	100	0.60	5.10
10	122	Briarbrook Dr North	BRIARBROOK DR	SANDHILL BROOK	35	Water	Problem	4.10	No	No	100	0.60	4.70
11	127	Briarbrook Dr South	BRIARBROOK DR	SANDHILL BROOK	-8	Water	Problem	4.50	No	No		0.00	4.50
12	131	Potter Rd	POTTER RD	SANDHILL BROOK	24	Water	Problem	4.10	No	No		0.00	4.10