

# Sea Level Rise Scenarios Affecting Roads

Town of South 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

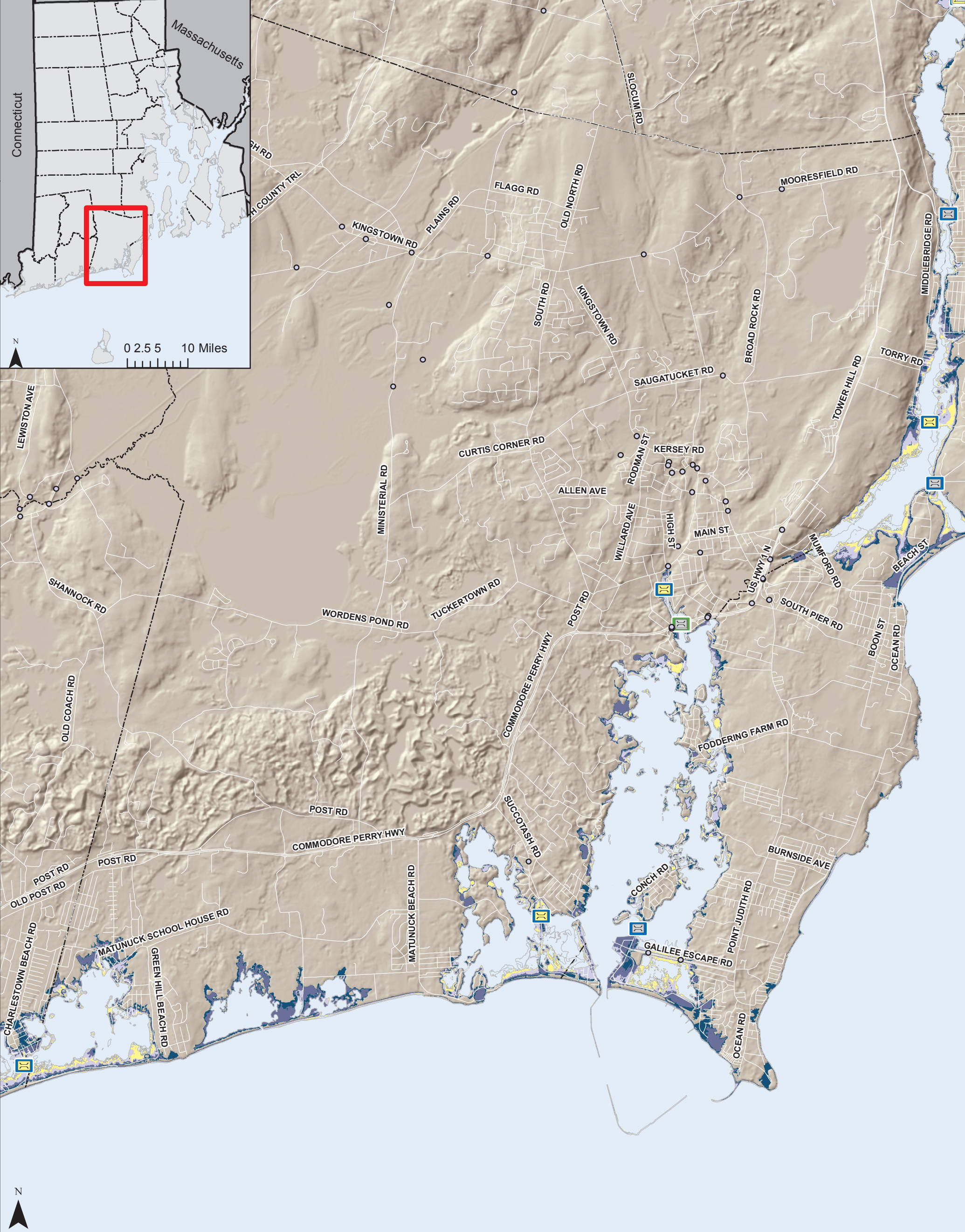
- Current Mean Higher High Water
- 1Ft Sea Level Rise
- 3Ft Sea Level Rise
- 5Ft Sea Level Rise
- 7Ft Sea Level Rise
- City and Town Boundaries
- Potentially Affected Roads
- Roads

0 0.5 1 2 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													
South 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	15	SUCCOTASH RD	7	699	3,250	2,101	6,056	4.61	Yes	No	Major Coll.	2.37	6.98
2	35	MIDDLEBRIDGE RD	71	329	1,770	2,397	4,567	3.49	Yes	No	Minor Art.	2.49	5.98
3	76	MAIN ST				17	17	1.50	Yes	Yes	Minor Art.	3.80	5.30
4	78	SAND PIPER DR	185	803	106		1,093	4.66	No	No	Local	0.60	5.26
5	109	MOONSTONE BEACH RD			1,451	158	1,608	3.30	Yes	No	Local	1.60	4.90
6	114	BRIDGETOWN RD	4	7	3	46	60	1.50	No	Yes	Principal Art.	3.40	4.90
7	128	MAUTUCKET RD			562	108	671	3.18	Yes	No	Local	1.60	4.78
8	134	COMMODORE PERRY HWY	3	16	12	21	52	1.50	No	No	Freeways	3.17	4.67
9	152	OCEAN AVE			622	287	909	2.87	Yes	No	Local	1.60	4.47
10	173	TWIN PENINSULA AVE	459	308	783	210	1,760	3.65	No	No	Local	0.60	4.25
11	206	CORMORANT RD	180	299	108	33	620	3.48	No	No	Local	0.60	4.08
12	231	COOK AVE	134	156	95	41	425	3.34	No	No	Local	0.60	3.94
13	244	MATUNUCK SCHOOL HOUSE RD		144	1,032	802	1,978	2.69	No	No	Major Coll.	1.20	3.89
14	256	POLLOCK AVE	131	177	112	60	480	3.19	No	No	Local	0.60	3.79
15	259	SHADBERRY TRL			501	92	593	3.19	No	No	Local	0.60	3.79
16	294	BILLINGTON AVE		672	188	5	865	3.05	No	No	Local	0.60	3.65
17	317	SHELDON POINT RD		338	72	61	471	2.94	No	No	Local	0.60	3.54
18	319	WILD GOOSE RD		311	72	53	436	2.93	No	No	Local	0.60	3.53
19	322	BEACH DR		613	150	102	865	2.92	No	No	Local	0.60	3.52
20	336	GREEN HILL OCEAN DR			1,270	623	1,892	2.84	No	No	Local	0.60	3.44
21	341	PROSPECT RD	157	670	380	248	1,455	2.80	No	No	Local	0.60	3.40
22	342	BRANDT RD	119	353	98	295	866	2.80	No	No	Local	0.60	3.40
23	344	WESTCOTE DR		450	136	116	702	2.78	No	No	Local	0.60	3.38
24	362	NARRAGANSETT AVE EAST			135	60	194	1.50	No	No	Minor Art.	1.80	3.30
25	377	POND ST		234	140	36	410	2.64	No	No	Local	0.60	3.24
26	380	GREEN HILL BEACH RD		63	376	751	1,189	1.50	Yes	No	Minor Coll.	1.72	3.22
27	391	GULL RD	85	74			159	2.57	No	No	Local	0.60	3.17
28	402	MITCHELL AVE	43	205	187	53	487	2.52	No	No	Local	0.60	3.12
29	406	COMMUNITY DR		276	232	40	548	2.51	No	No	Local	0.60	3.11
30	433	POINT AVE		282	208	119	609	2.43	No	No	Local	0.60	3.03
31	436	BARNEY AVE		176	203	9	389	2.41	No	No	Local	0.60	3.01
32	441	WILLIAM SCHMID DR		217	226	54	497	2.37	No	No	Local	0.60	2.97
33	444	CHARLESTOWN BEACH RD			635	839	1,474	2.36	No	No	Local	0.60	2.96
34	464	HAHN AVE	51	135	221	83	490	2.26	No	No	Local	0.60	2.86
35	468	WINCHESTER DR		571	364	607	1,542	2.24	No	No	Local	0.60	2.84
36	512	LAFAYETTE AVE		169	275	166	610	2.05	No	No	Local	0.60	2.65
37	527	PETREL DR		108	335	34	477	1.95	No	No	Local	0.60	2.55
38	533	TEAL DR		203	176	705	1,083	1.87	No	No	Local	0.60	2.47
39	541	RIVERSIDE DR		147	292	949	1,388	1.71	No	No	Local	0.60	2.31
40	542	PENINSULA RD			459	353	812	1.50	No	No	Local	0.79	2.29
41	560	ASH ST		41	54	88	183	1.50	No	No	Local	0.60	2.10
42	561	PARK AVE		4	67	51	123	1.50	No	No	Local	0.60	2.10
43	1,031	ARROW WOOD TRL				39	39	1.50	No	No	Local	0.60	2.10
44	1,032	ATLANTIC AVE				193	193	1.50	No	No	Local	0.60	2.10
45	1,033	BLUE HERON RD			98	93	190	1.50	No	No	Local	0.60	2.10
46	1,034	BROWNING ST			25	41	66	1.50	No	No	Local	0.60	2.10
47	1,035	CAMP FULLER RD			145	74	219	1.50	No	No	Local	0.60	2.10
48	1,036	CARDS POND RD			15	649	664	1.50	No	No	Local	0.60	2.10
49	1,037	CHAPPELL RD			291	118	409	1.50	No	No	Local	0.60	2.10
50	1,038	COREY RD			28	77	105	1.50	No	No	Local	0.60	2.10
51	1,039	EDWARDS AVE		17	50	371	437	1.50	No	No	Local	0.60	2.10
52	1,040	GOLDEN SANDS DR				25	25	1.50	No	No	Local	0.60	2.10
53	1,041	GOOSEBERRY RD		14	471	536	1,020	1.50	No	No	Local	0.60	2.10
54	1,042	GRANT AVE			172	85	257	1.50	No	No	Local	0.60	2.10
55	1,043	HARCOURT AVE				33	33	1.50	No	No	Local	0.60	2.10
56	1,044	HARTFORD AVE			43	74	117	1.50	No	No	Local	0.60	2.10
57	1,045	INDIGO POINT			94	128	223	1.50	No	No	Local	0.60	2.10
58	1,046	JOHN ST			198	209	407	1.50	No	No	Local	0.60	2.10
59	1,047	KINGSTON AVE		7	53	98	158	1.50	No	No	Local	0.60	2.10
60	1,048	LACY LN				25	25	1.50	No	No	Local	0.60	2.10
61	1,049	LAKE AVE				20	20	1.50	No	No	Local	0.60	2.10
62	1,050	MALLARD DR S				263	263	1.50	No	No	Local	0.60	2.10
63	1,051	MAPLE ST		70	178	133	381	1.50	No	No	Local	0.60	2.10
64	1,052	MARINE DR				110	110	1.50	No	No	Local	0.60	2.10
65	1,053	MATUNUCK BEACH RD			270	181	451	1.50	No	No	Local	0.60	2.10
66	1,054	PENNINSULA RD			66	42	109	1.50	No	No	Local	0.60	2.10
67	1,055	PERRYWINKLE RD				265	265	1.50	No	No	Local	0.60	2.10
68	1,056	PINE CT				2	2	1.50	No	No	Local	0.60	2.10
69	1,057	POTTER RD				49	49	1.50	No	No	Local	0.60	2.10
70	1,058	RAM ISLAND RD		33			33	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	1,059	SALT POND RD			16	42	58	1.50	No	No	Local	0.60	2.10
72	1,060	SAND SPRITE DR			324		324	1.50	No	No	Local	0.60	2.10
73	1,061	SHADBUSH TRL				87	87	1.50	No	No	Local	0.60	2.10
74	1,062	SHERMAN CT				21	21	1.50	No	No	Local	0.60	2.10
75	1,063	SHERMAN RD				47	47	1.50	No	No	Local	0.60	2.10
76	1,064	SILVER LAKE AVE	3		7	184	194	1.50	No	No	Local	0.60	2.10
77	1,065	SOUTH JERRY CV RD			76	443	519	1.50	No	No	Local	0.60	2.10
78	1,066	STEDMAN RD			42	46	88	1.50	No	No	Local	0.60	2.10
79	1,067	SUNSET DR			35	289	324	1.50	No	No	Local	0.60	2.10
80	1,068	TEAL RD			87	204	291	1.50	No	No	Local	0.60	2.10
81	1,069	TERN DR		91	77	63	232	1.50	No	No	Local	0.60	2.10
82	1,070	TURNER COVE WAY				45	45	1.50	No	No	Local	0.60	2.10
83	1,071	WAKEFIELD AVE			1	93	93	1.50	No	No	Local	0.60	2.10
84	1,072	WATER ST		62	47	44	153	1.50	No	No	Local	0.60	2.10
85	1,073	WINDSWEPT DR			346	208	554	1.50	No	No	Local	0.60	2.10
86	1,381	BRIGGS RD			25	189	214	1.50	No	No	Local	0.60	2.10
87	1,382	FIRE LANE 6		7	211	141	359	1.50	No	No	Local	0.60	2.10
88	1,383	NINIGRET AVE			137	510	646	1.50	No	No	Local	0.60	2.10
89	1,384	SEA LEA AVE			102	59	161	1.50	No	No	Local	0.60	2.10
		TOTAL LINEAR FEET	1,630	9,550	21,088	19,513	51,781						



# Sea Level Rise Scenarios Affecting Bridges

Town of South 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

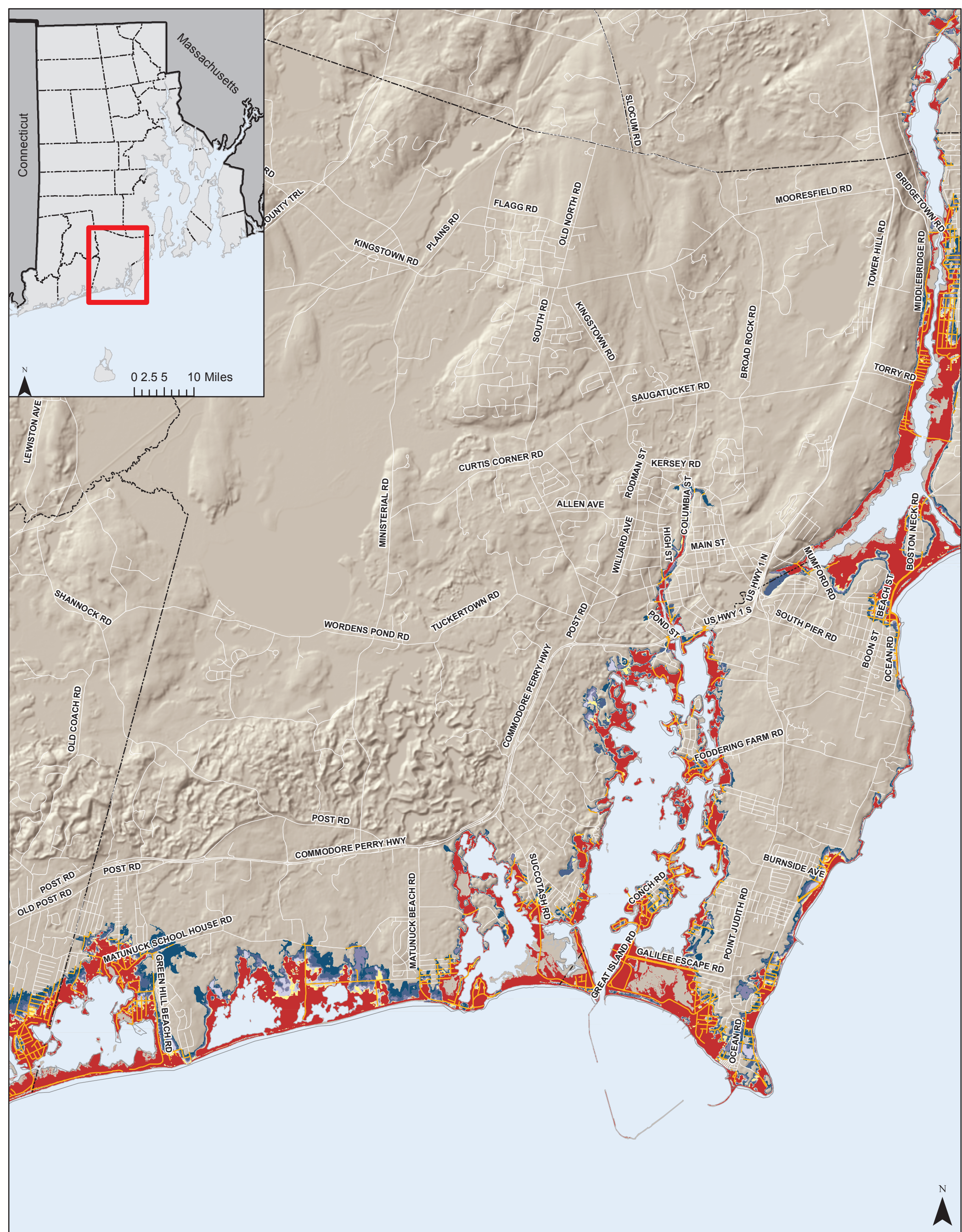
Freeboard Potentially Affected by SLR	Current Mean Higher High Water	City and Town Boundaries
Freeboard Unlikely to be Affected by SLR	1Ft Sea Level Rise	Roads
Not Exposed to SLR	3Ft Sea Level Rise	
Bridge Accessible	5Ft Sea Level Rise	
Possible Bridge Access Problem	7Ft Sea Level Rise	

0 0.5 1 2 Miles

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.

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

Mun. Rank	State Rank	Bridge Name	Facility Carried	Feature Intersected	Inches of Freeboard Relative to 7FtSLR	Terrain Crossed	Landing Access	Hazard Score	Intermodal Facility	Evac. Route	AADT	System Score	Vulnerability Score
1	17	Potter Pond Channel	SUCCOTASH RD	POTTER POND CHANNEL	0	MHHW	Problem	5.00	No	Yes	808	2.50	7.50
2	36	Middle Bridge	MIDDLE BRIDGE RD	PETTAQUAMSCUTT R	-5	MHHW	Problem	5.00	No	No	2,020	1.50	6.50
3	37	Silver Lake Ave	SILVER LAKE AV	SAUGATUCKET R	-38	MHHW	Problem	5.00	No	No	2,500	1.50	6.50



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

Town of South 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 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 0.5 1 2 Miles



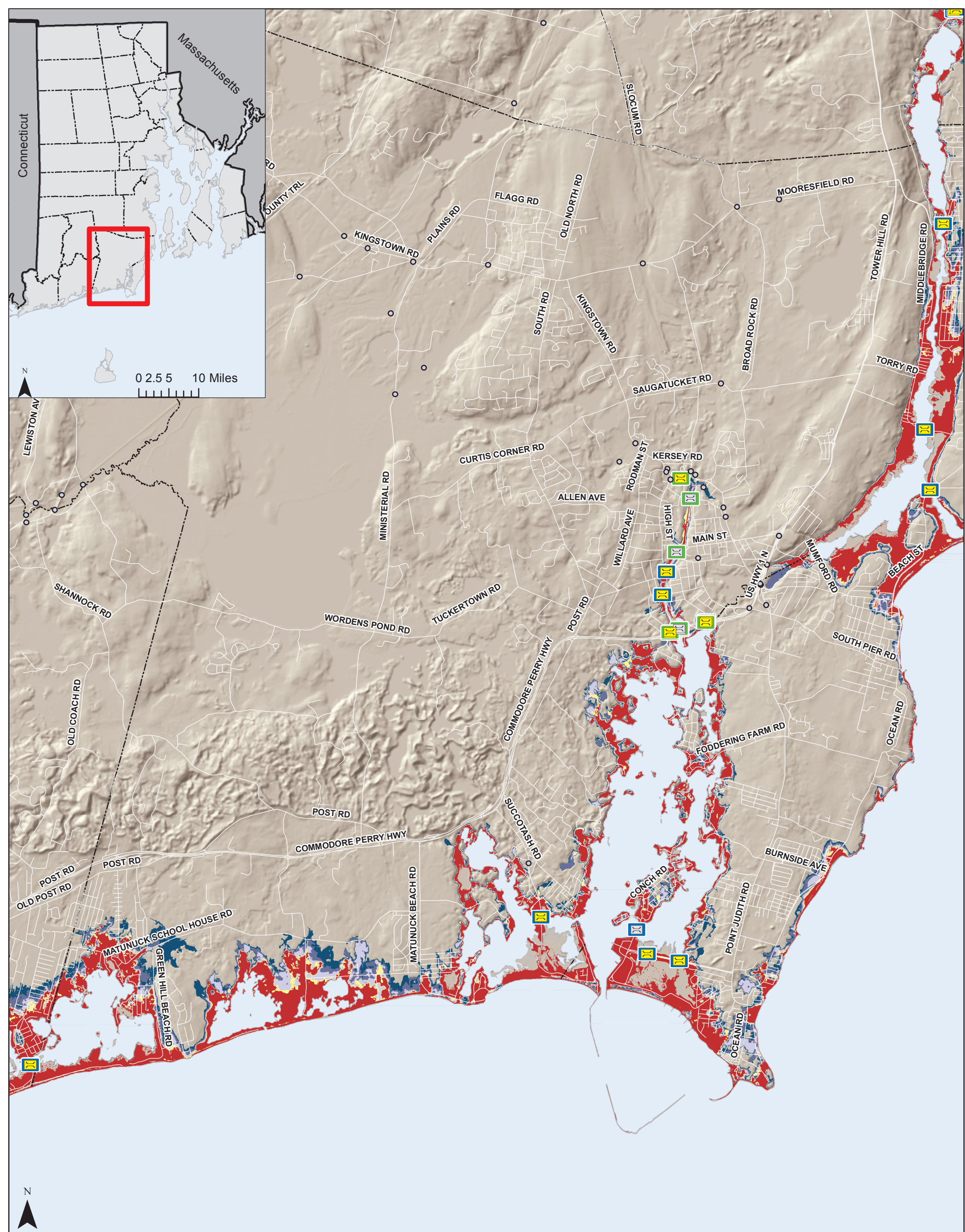
**Map Disclaimer:** This map is not the product of a Professional Land Survey. It was created by RI Statewide Planning Program for general reference, informational, planning and guidance use, and is not a legally authoritative source as to location of natural or manmade features. Proper interpretation 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 100-Year Storm Surge Event Plus Sea Level Rise														
South 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	57	BRIDGETOWN RD	403	20	46	53	76	598	3.93	No	Yes	Principal Art.	3.40	7.33
2	69	SUCCOTASH RD	6,262	58	138	75	98	6,630	4.82	Yes	No	Minor Art.	2.37	7.19
3	72	MIDDLEBRIDGE RD	8,212	585	249	782	549	10,376	4.66	Yes	No	Major Coll.	2.39	7.05
4	158	GREEN HILL BEACH RD	2,063	215	1,068	598	1,322	5,264	4.13	Yes	No	Major Coll.	2.07	6.20
5	187	MATUNUCK BEACH RD	2,636	504	637	244	820	4,842	4.02	Yes	No	Local	2.01	6.03
6	209	MOONSTONE BEACH RD	2,754	381	296	308	399	4,138	4.26	Yes	No	Freeway	1.60	5.86
7	222	COMMODORE PERRY HWY	102	117	102	81	86	488	2.61	No	No	Minor Art.	3.20	5.80
8	231	NARRAGANSETT AVE EAST	247	18	35	36	30	366	3.96	No	No	Minor Art.	1.80	5.76
9	244	MAIN ST	151	118	183	184	292	926	2.27	Yes	Yes	Local	3.39	5.66
10	719	ASH ST	191					191	5.00	No	No	Local	0.60	5.60
11	720	BARNEY AVE	389					389	5.00	No	No	Local	0.60	5.60
12	721	BILLINGTON AVE	865					865	5.00	No	No	Local	0.60	5.60
13	722	BRANDT RD	958	305				1,263	5.00	No	No	Local	0.60	5.60
14	723	COOK AVE	434					434	5.00	No	No	Local	0.60	5.60
15	724	EDWARDS AVE	513					513	5.00	No	No	Local	0.60	5.60
16	725	GOLDEN SANDS DR	67					67	5.00	No	No	Local	0.60	5.60
17	726	GRANT AVE	296					296	5.00	No	No	Local	0.60	5.60
18	727	GREEN HILL OCEAN DR	1,892					1,892	5.00	No	No	Local	0.60	5.60
19	728	GULL RD	159					159	5.00	No	No	Local	0.60	5.60
20	729	HAHN AVE	496					496	5.00	No	No	Local	0.60	5.60
21	730	HARCOURT AVE	363	208				571	5.00	No	No	Local	0.60	5.60
22	731	JOHN ST	408					408	5.00	No	No	Local	0.60	5.60
23	732	KINGSTON AVE	574					574	5.00	No	No	Local	0.60	5.60
24	733	LAFAYETTE AVE	640					640	5.00	No	No	Local	0.60	5.60
25	734	MAPLE ST	381					381	5.00	No	No	Local	0.60	5.60
26	735	MARINE DR	147					147	5.00	No	No	Local	0.60	5.60
27	736	MITCHELL AVE	487					487	5.00	No	No	Local	0.60	5.60
28	737	NINIGRET AVE	1,565					1,565	5.00	No	No	Local	0.60	5.60
29	738	PENNINSULA RD	125					125	5.00	No	No	Local	0.60	5.60
30	739	PETREL DR	514					514	5.00	No	No	Local	0.60	5.60
31	740	PINE CT	130					130	5.00	No	No	Local	0.60	5.60
32	741	POLLOCK AVE	480					480	5.00	No	No	Local	0.60	5.60
33	742	RIVER AVE	483					483	5.00	No	No	Local	0.60	5.60
34	743	SAND PIPER DR	1,093					1,093	5.00	No	No	Local	0.60	5.60
35	744	SAND SPRITE DR	324					324	5.00	No	No	Local	0.60	5.60
36	745	SEA LEA AVE	161					161	5.00	No	No	Local	0.60	5.60
37	746	SUNSET DR	575					575	5.00	No	No	Local	0.60	5.60
38	747	TEAL DR	1,433					1,433	5.00	No	No	Local	0.60	5.60
39	748	TEAL RD	668					668	5.00	No	No	Local	0.60	5.60
40	749	TERN DR	278					278	5.00	No	No	Local	0.60	5.60
41	750	WATER ST	204					204	5.00	No	No	Local	0.60	5.60
42	751	WILLIAM SCHMID DR	521					521	5.00	No	No	Local	0.60	5.60
43	1,018	OCEAN AVE	1,102	65	161	268	85	1,681	4.00	Yes	No	Local	1.60	5.60
44	1,019	CHARLESTOWN BEACH RD	4,298	688	7			4,993	5.00	No	No	Local	0.60	5.60
45	1,088	SHADBUSH TRL	232	18				250	4.89	No	No	Local	0.60	5.49
46	1,094	WAKEFIELD AVE	582	49				631	4.88	No	No	Local	0.60	5.48
47	1,110	SHELDON POINT RD	547	30	14			590	4.84	No	No	Local	0.60	5.44
48	1,119	RIVERSIDE DR	1,866	144	82	20		2,113	4.83	No	No	Local	0.60	5.43
49	1,127	BEACH DR	914	19	33	11		978	4.81	No	No	Local	0.60	5.41
50	1,143	CORMORANT RD	852	30	46			928	4.78	No	No	Local	0.60	5.38
51	1,147	PENINSULA RD	1,435	133	357			1,925	4.58	No	No	Local	0.79	5.37
52	1,155	ROY CARPENTERS PRIVATE BEACH	573	563	217			1,354	4.76	No	No	Local	0.60	5.36
53	1,157	MAUTUCKET RD	795	30	92	72	272	1,262	3.75	Yes	No	Major Coll.	1.60	5.35
54	1,173	MATUNUCK SCHOOL HOUSE RD	2,766	78	134	1,650	1,243	5,871	4.08	No	No	Local	1.24	5.32
55	1,175	RADIAL DR	41	178				220	4.72	No	No	Local	0.60	5.32
56	1,193	CAMP FULLER RD	692	102	32	24	20	869	4.70	No	No	Local	0.60	5.30
57	1,196	CHAPPELL RD	810	50	60			921	4.69	No	No	Local	0.60	5.29
58	1,206	WINDSWEPT DR	655	11	25	17	15	723	4.67	No	No	Local	0.60	5.27
59	1,217	ASH ST	142	44				187	4.64	No	No	Local	0.60	5.24
60	1,243	MALLARD DR S	706	23	26	57		812	4.60	No	No	Local	0.60	5.20
61	1,253	WINCHESTER DR	2,014	59	164	65	20	2,322	4.59	No	No	Local	0.60	5.19
62	1,267	POINT AVE	664	220	96	15	15	1,010	4.56	No	No	Local	0.60	5.16
63	1,300	COREY RD	533	43	72			648	4.51	No	No	Local	0.60	5.11
64	1,312	WILD GOOSE RD	731	144	154			1,029	4.48	No	No	Local	0.60	5.08
65	1,348	SURFSIDE AVE	158	92	3			253	4.41	No	No	Local	0.60	5.01
66	1,352	TWIN PENINSULA AVE	2,061	219	562	306		3,147	4.39	No	No	Local	0.60	4.99
67	1,387	TURNER COVE WAY	342	19	26	28	21	436	4.33	No	No	Major Coll.	0.60	4.93
68	1,392	HIGH ST	0	65	69	50	390	574	1.73	Yes	Yes	Local	3.20	4.93
69	1,420	CARDS POND RD	862	430	2,169	980	263	4,704	4.29	No	No	Local	0.60	4.89
70	1,430	FIRE LANE 6	453	20	36	38	38	585	4.28	No	No	Minor Coll.	0.60	4.88
71	1,433	GOOSEBERRY RD	1,070	14	24	150	137	1,395	4.19	No	No	Local	0.69	4.87

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
72	1,438	WESTCOTE DR	973	58	99	113	30	1,272	4.27	No	No	Local	0.60	4.87
73	1,458	SHADBERRY TRL	624	10	16	101	46	798	4.24	No	No	Local	0.60	4.84
74	1,500	BLUE HERON RD	551	68	81	70		769	4.18	No	No	Local	0.60	4.78
75	1,542	SYCAMORE LN	644	395	193	136	102	1,470	4.11	No	No	Local	0.60	4.71
76	1,574	TIDAL ST	323	71	25	34	40	493	4.08	No	No	Local	0.60	4.68
77	1,577	SOUTH JERRY CV RD	782	39	253	79	64	1,217	4.07	No	No	Minor Art.	0.60	4.67
78	1,602	TORRY RD		28	61	44	34	168	1.83	Yes	No	Minor Coll.	2.80	4.63
79	1,612	POND ST	443	274	152	130	389	1,388	3.24	Yes	No	Local	1.37	4.61
80	1,661	OLD SUCCOTASH RD	232	111	38	50	63	495	3.93	No	No	Local	0.60	4.53
81	1,663	OCEAN VIEW DR	389	62	170	102		723	3.92	No	No	Local	0.60	4.52
82	1,692	COMMUNITY DR	777	139	212	190	125	1,443	3.88	No	No	Local	0.60	4.48
83	1,711	PROSPECT RD	1,809	287	282	330	593	3,302	3.85	No	No	Local	0.60	4.45
84	1,718	COVE ST	503	56	108	131		798	3.85	No	No	Local	0.60	4.45
85	1,791	SILVER LAKE AVE	349	37	60	60	77	582	3.72	No	No	Local	0.60	4.32
86	1,828	KINGFISHER RD	285	130	165	89		668	3.67	No	No	Local	0.60	4.27
87	1,846	INDIGO POINT	1,012	211	358	386	365	2,332	3.64	No	No	Local	0.60	4.24
88	1,864	BRIGGS RD	336	24	76	61	84	581	3.61	No	No	Freeway	0.60	4.21
89	1,871	OFF RAMP SALT POND RD			47	46	116	209	1.50	No	No	Freeway	2.70	4.20
90	1,873	OFF RAMP POND ST					81	81	1.50	No	No	Freeway	2.70	4.20
91	1,874	ON RAMP US-1 N					97	97	1.50	No	No	Freeway	2.70	4.20
92	1,875	ON RAMP US-1 S			89	41	134	264	1.50	No	No	Major Coll.	2.70	4.20
93	1,879	SALT POND RD	541	195	425	503	511	2,174	2.85	No	No	Local	1.35	4.20
94	1,897	SHERMAN CT	83	17	24	17	17	158	3.55	No	No	Local	0.60	4.15
95	1,915	HOLDEN RD	418	56	92	86	128	780	3.52	No	No	Local	0.60	4.12
96	1,958	RAM ISLAND RD	33					33	3.50	No	No	Local	0.60	4.10
97	1,963	BRANT RD		0	221			221	3.50	No	No	Local	0.60	4.10
98	1,971	BERGLUND AVE	97	17	27	20	27	189	3.48	No	No	Local	0.60	4.08
99	2,025	POTTER RD	113	13	27	23	30	206	3.41	No	No	Local	0.60	4.01
100	2,082	BROWNING ST	174	28	630	154	88	1,073	3.29	No	No	Local	0.60	3.89
101	2,086	COAST GUARD AVE			228	503	88	819	3.28	No	No	Local	0.60	3.88
102	2,093	ATLANTIC AVE	454	181	414	53	616	1,718	3.28	No	No	Local	0.60	3.88
103	2,100	PERRYWINKLE RD	318	13	36	47	214	629	3.27	No	No	Local	0.60	3.87
104	2,102	RIN RD	126	20	40	43	43	273	3.27	No	No	Local	0.60	3.87
105	2,105	INGLENOOK LN			607	81		688	3.26	No	No	Local	0.60	3.86
106	2,140	FIRE LANE 1	82	150	132	65	51	480	3.19	No	No	Local	0.60	3.79
107	2,187	TERN RD	80	9	30	56		176	3.10	No	No	Local	0.60	3.70
108	2,213	ARROW WOOD TRL	138	29	103	84		354	3.03	No	No	Local	0.60	3.63
109	2,221	ROSEBRIAR AVE	188	105	187	582	392	1,454	3.01	No	No	Local	0.60	3.61
110	2,226	STEDMAN RD	178	67	46	133	80	504	3.00	No	No	Local	0.60	3.60
111	2,232	LACY LN	108	27	69	59	26	291	2.99	No	No	Local	0.60	3.59
112	2,245	MALLARD DR N			159	58		217	2.96	No	No	Local	0.60	3.56
113	2,255	MAPLE DR				535	220	756	2.92	No	No	Local	0.60	3.52
114	2,287	WESTSIDE RD	70	50	58	47	32	257	2.84	No	No	Local	0.60	3.44
115	2,300	CHURCH ST	36		7	7	7	56	2.79	No	No	Local	0.60	3.39
116	2,317	SHERMAN RD	370	32	57	76	549	1,084	2.75	No	No	Local	0.60	3.35
117	2,325	DORY CT	82	29	54	58	59	283	2.72	No	No	Local	0.60	3.32
118	2,326	HILLCREST RD	90	64	195	73	176	598	2.72	No	No	Minor Art.	0.60	3.32
119	2,345	COLUMBIA ST				33	138	171	1.50	No	No	Local	1.80	3.30
120	2,384	KIMBERLY DR	70	23	50	59	60	262	2.62	No	No	Local	0.60	3.22
121	2,400	GALE DR	224	47	100	270	167	807	2.59	No	No	Local	0.60	3.19
122	2,402	EDGEWATER RD	15	96	327	258	123	819	2.57	No	No	Local	0.60	3.17
123	2,431	RAILROAD ST					19	19	1.50	No	Yes	Local	1.60	3.10
124	2,435	HOLLY RD				379	376	756	1.50	Yes	No	Local	1.60	3.10
125	2,443	LAKE AVE	73	135	132	118	276	734	2.49	No	No	Local	0.60	3.09
126	2,483	PARK AVE	195	13	23	316	264	811	2.34	No	No	Local	0.60	2.94
127	2,484	RIVER RD			129	105	74	307	2.34	No	No	Local	0.60	2.94
128	2,496	HARTFORD AVE	225	38	81	101	636	1,081	2.30	No	No	Local	0.60	2.90
129	2,506	SUMMER ST		34	181	67	98	380	2.28	No	No	Local	0.60	2.88
130	2,610	CENTRAL ST			144	315	77	536	2.04	No	No	Local	0.60	2.64
131	2,638	BEACH PLUM DR EAST	33	23	43	46	91	236	1.98	No	No	Local	0.60	2.58
132	2,753	MILL FIELD CT				76	218	294	1.50	No	No	Local	0.60	2.10
133	3,053	ASPEN RD					407	407	1.50	No	No	Local	0.60	2.10
134	3,054	BALSAM RD					65	65	1.50	No	No	Local	0.60	2.10
135	3,055	BLISS RD					437	437	1.50	No	No	Local	0.60	2.10
136	3,056	CARPENTER DR					71	71	1.50	No	No	Local	0.60	2.10
137	3,057	CEMETARY LN					38	38	1.50	No	No	Local	0.60	2.10
138	3,058	ELM RD					503	503	1.50	No	No	Local	0.60	2.10
139	3,059	FIRE LN THREE				109	370	479	1.50	No	No	Local	0.60	2.10
140	3,060	GREEN HILL AVE			89	149	165	403	1.50	No	No	Local	0.60	2.10
141	3,061	HEMLOCK RD					86	86	1.50	No	No	Local	0.60	2.10
142	3,062	HOWARD CIR				54	168	221	1.50	No	No	Local	0.60	2.10
143	3,063	KENYON AVE					31	31	1.50	No	No	Local	0.60	2.10
144	3,064	PINEHURST ST				18	21	39	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
145	3,065	PLEASANT ST				245	30	275	1.50	No	No	Local	0.60	2.10
146	3,066	SEACREST DR				158	226	384	1.50	No	No	Local	0.60	2.10
147	3,067	SPARTINA COVE WAY					298	298	1.50	No	No	Local	0.60	2.10
148	3,068	SPRING ST					148	148	1.50	No	No	Local	0.60	2.10
149	3,069	SPRUCE RD					289	289	1.50	No	No	Local	0.60	2.10
150	3,070	TIDEWATER DR EAST					93	93	1.50	No	No	Local	0.60	2.10
151	3,071	WASHINGTON ST				92	487	580	1.50	No	No	Local	0.60	2.10
152	3,349	BEACH PLUM DR WEST			46	36	17	99	1.50	No	No	Local	0.60	2.10
153	3,350	MITTENDORF RD				32	21	53	1.50	No	No	Major Coll.	0.60	2.10
Total Linear Feet			83,186	9,617	15,115	14,667	18,552	141,137						



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

## Town of South 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
- Freeboard Unlikely to be Affected by Surge
- Bridge in Surge Area Protected by Hurricane Barrier
- Not Exposed to Surge
- access, 0
- problem, 0
- 100-Year Storm Event
- 100-Year Plus 1 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
- Roads

0 0.5 1 2 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 South 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	41	Wakefield	US 1A MAIN ST	SAUGATUCKET R	-21	Water	Problem	4.50	Yes	Yes	3,976	2.60	7.10
2	53	Potter Pond Channel	SUCCOTASH RD	POTTER POND CHANNEL	-120	MHHW	Problem	5.00	No	Yes	808	1.60	6.60
3	95	Middle Bridge	MIDDLE BRIDGE RD	PETTAQUAMSCUTT R	-137	MHHW	Problem	5.00	No	No	2,020	0.60	5.60
4	96	Silver Lake Ave	SILVER LAKE AV	SAUGATUCKET R	-158	MHHW	Problem	5.00	No	No	2,500	0.60	5.60
5	103	Salt Pond Road SB	US 1 POST RD SB	SALT POND RD	-97	Water	Access	2.50	No	Yes	11,243	2.80	5.30
6	120	Pond Street NB	US 1 NB POST RD	POND ST	-96	Land	Access	2.00	No	Yes	8,117	2.80	4.80
7	121	Pond Street SB	US 1 SB POST RD	POND ST	-84	Land	Access	2.00	No	Yes	8,117	2.80	4.80
8	138	Salt Pond Road NB	US 1 POST RD NB	SALT POND RD	-76	Land	Access	2.00	No	No	11,243	1.80	3.80
9	140	Railroad Street	RAILROAD STREET	ROCKY BROOK	-8	Water	Access	2.50	Yes	No		1.00	3.50