

# Sea Level Rise Scenarios Affecting Roads

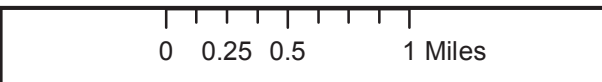
Town of Portsmouth

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



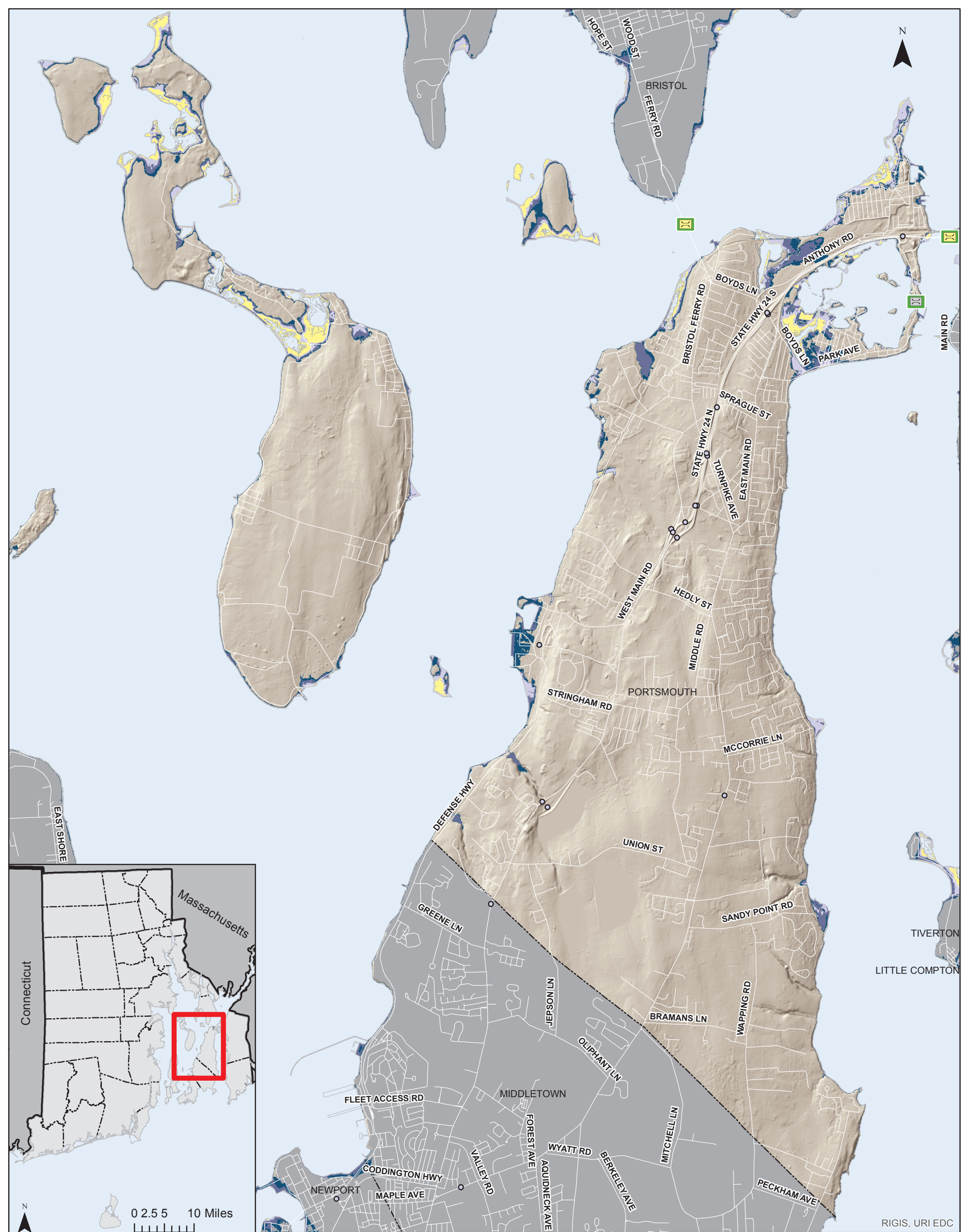
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Relative Road Vulnerability to Sea Level Rise													
Portsmouth			Linear Feet of Road Inundated At:										
Muni Rank	State Rank	Road Name	1 Foot of SLR	3 Feet of SLR	5 Feet of SLR	7 Feet of SLR	Total Linear Feet	Haz. Score	Evacuation Route	Intermodal Facility	Functional Classification	Sys. Score	Vuln. Score
1	141	BOYDS LN		286	978	121	1,385	3.33	No	No	Major Coll.	1.20	4.53
2	151	NARRAGANSETT AVE		967	693	336	1,996	3.89	No	No	Local	0.60	4.49
3	158	NECK FARM RD		1,168	679	563	2,410	3.76	No	No	Local	0.60	4.36
4	174	COMMON FENCE POINT BLVD		1,029	1,189	594	2,812	3.63	No	No	Local	0.60	4.23
5	176	PARK AVE		641	1,396	650	2,687	3.02	No	No	Major Coll.	1.19	4.21
6	178	STATE HWY 24 N			3	39	42	1.50	No	No	Freeways	2.70	4.20
7	197	UNNAMED_11				1,225	1,225	3.50	No	No	Local	0.60	4.10
8	198	UNNAMED-6				1,170	1,170	3.50	No	No	Local	0.60	4.10
9	235	ANTHONY RD		355	1,296	1,678	3,329	3.25	No	No	Local	0.68	3.92
10	239	MOUNT HOPE BRG	9	16	21	7	54	1.50	No	No	Principal Art.	2.40	3.90
11	266	LAGOON RD		72	771	85	928	3.16	No	No	Local	0.60	3.76
12	292	SOUTH PRUDENCE BAY ISLAND PARK		352	1,001	380	1,734	3.06	No	No	Local	0.60	3.66
13	333	MASON AVE		589	150	133	872	2.85	No	No	Local	0.60	3.45
14	353	MARINE AVE		238	149		387	2.73	No	No	Local	0.60	3.33
15	369	ORMEROD AVE		219	524	521	1,263	2.68	No	No	Local	0.60	3.28
16	381	GORMLEY AVE		203	68	93	365	2.61	No	No	Local	0.60	3.21
17	387	CLIFF AVE		203	94	77	374	2.58	No	No	Local	0.60	3.18
18	434	CEDAR AVE		208	139	106	453	2.42	No	No	Local	0.60	3.02
19	442	ATTLEBORO AVE		142	140	47	330	2.36	No	No	Local	0.60	2.96
20	451	RIVERSIDE AVE		355	308	179	842	2.34	No	No	Local	0.60	2.94
21	452	RHODE ISLAND BLVD		151	149	59	360	2.34	No	No	Local	0.60	2.94
22	472	HIGHLAND AVE		317	249	313	878	2.22	No	No	Local	0.60	2.82
23	474	BAY AVE		326	134	517	978	2.17	No	No	Local	0.60	2.77
24	480	SAKONNET DR		282	359	275	916	2.12	No	No	Local	0.60	2.72
25	499	DEFENSE HWY			52	46	98	1.50	No	No	Major Coll.	1.20	2.70
26	543	POINT RD	7	7	50	54	118	1.50	No	No	Local	0.74	2.24
27	558	LAKEVILLE AVE			5	135	141	1.50	No	No	Local	0.60	2.10
28	559	SEACONNET AVE			330	32	362	1.50	No	No	Local	0.60	2.10
29	958	ALDEN LANDING				538	538	1.50	No	No	Local	0.60	2.10
30	959	ALEXANDER RD			182	157	338	1.50	No	No	Local	0.60	2.10
31	960	BEACH RD			101	26	128	1.50	No	No	Local	0.60	2.10
32	961	BERKLEY AVE			396	172	569	1.50	No	No	Local	0.60	2.10
33	962	CANTON AVE		36	91	76	203	1.50	No	No	Local	0.60	2.10
34	963	CHESTNUT ST			13	61	74	1.50	No	No	Local	0.60	2.10
35	964	COTTAGE AVE			370	99	469	1.50	No	No	Local	0.60	2.10
36	965	E POWER ST			13	21	34	1.50	No	No	Local	0.60	2.10
37	966	EASTON AVE		91	92	56	239	1.50	No	No	Local	0.60	2.10
38	967	FOUNTAIN AVE				175	175	1.50	No	No	Local	0.60	2.10
39	968	FOXBORO AVE		18	73	96	186	1.50	No	No	Local	0.60	2.10
40	969	GREENFIELD AVE			10	26	36	1.50	No	No	Local	0.60	2.10
41	970	HARBOR RD			31	15	46	1.50	No	No	Local	0.60	2.10
42	971	HILLSIDE AV			2	36	38	1.50	No	No	Local	0.60	2.10
43	972	HOLLISTON AVE			69	73	141	1.50	No	No	Local	0.60	2.10
44	973	ISLAND RD		72	73	521	666	1.50	No	No	Local	0.60	2.10
45	974	ISLINGTON AVE			53	56	109	1.50	No	No	Local	0.60	2.10
46	975	KENSINGTON AVE				116	116	1.50	No	No	Local	0.60	2.10
47	976	LANDING LN			63	29	92	1.50	No	No	Local	0.60	2.10
48	977	LEEDHAM ST				26	26	1.50	No	No	Local	0.60	2.10
49	978	LITTLE HARBOR LNDG				577	577	1.50	No	No	Local	0.60	2.10
50	979	MARITIME DR				250	250	1.50	No	No	Local	0.60	2.10
51	980	NARRAGANSETT RD		30	24	33	87	1.50	No	No	Local	0.60	2.10
52	981	NORSEMAN DR				156	156	1.50	No	No	Local	0.60	2.10
53	982	NORTH WATER ST			106	116	222	1.50	No	No	Local	0.60	2.10
54	983	NORWOOD AVE				1	1	1.50	No	No	Local	0.60	2.10
55	984	OAK ST		72	55	54	181	1.50	No	No	Local	0.60	2.10
56	985	OLD PIER RD				195	195	1.50	No	No	Local	0.60	2.10
57	986	PEARL ST			122	80	202	1.50	No	No	Local	0.60	2.10
58	987	PINE ST			319	197	517	1.50	No	No	Local	0.60	2.10
59	988	RAILROAD AVE		44	26	20	90	1.50	No	No	Local	0.60	2.10
60	989	RAVINE RD				5	5	1.50	No	No	Local	0.60	2.10
61	990	RAYNHAM AVE				4	4	1.50	No	No	Local	0.60	2.10
62	991	RIVERSIDE ST			400	787	1,187	1.50	No	No	Local	0.60	2.10
63	992	ROSS AV				80	80	1.50	No	No	Local	0.60	2.10
64	993	RUSSELL AVE				16	16	1.50	No	No	Local	0.60	2.10
65	994	SANDY POINT RD			64	23	87	1.50	No	No	Minor Coll.	0.60	2.10
66	995	TERMINAL RD				198	198	1.50	No	No	Local	0.60	2.10
67	996	UNNAMED_17			49	95	144	1.50	No	No	Local	0.60	2.10
68	997	WALNUT ST				126	126	1.50	No	No	Local	0.60	2.10
69	1,377	BROADWAY			46	74	120	1.50	No	No	Local	0.60	2.10
70	1,378	DIGHTON AVE		31	152	96	279	1.50	No	No	Local	0.60	2.10
71	1,379	NARRAGANSETT BLVD			219	39	258	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	Haz. Score	Evacuation Route	Intermodal Facility	Functional Classification	Sys. Score	Vuln. Score
		TOTAL LINEAR FEET	16	8,521	14,143	15,033	37,712						



# Sea Level Rise Scenarios Affecting Bridges

Map Created: 8/11/2016

## Town of Portsmouth

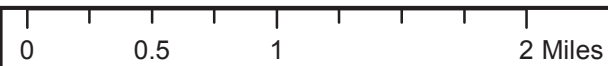
### Map Legend

**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
- Freeboard Unlikely to be Affected by SLR
- Not Exposed to SLR
- Bridge Accessible
- Possible Bridge Access Problem
- 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
- Roads



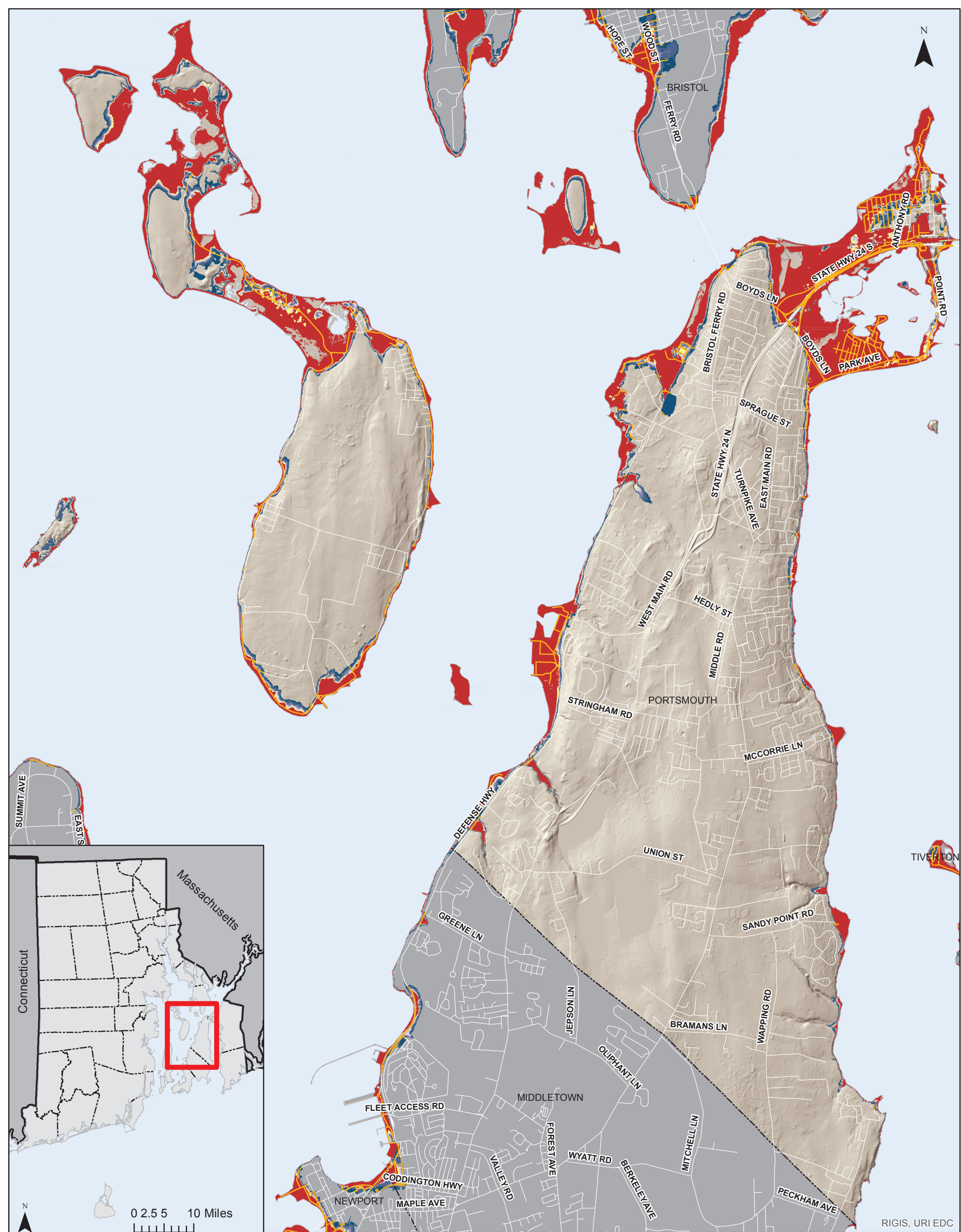
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Bridges Possibly Affected by Sea Level Rise in the Town of Portsmouth

Mun. Rank	State Rank	Bridge Name	Facility Carried	Feature Intersected	Inches of Freeboard Relative to 7FtSLR	Terrain Crossed	Landing Access	Hazard Score	Intermodal Facility	Evacuation Route	AADT	System Score	Vulnerability Score
1	28	Sakonnet River	RI 24 & RI 138	SAKONNET R	-84	MHHW	Access	3.00	Yes	No	40,000	4.00	7.00



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

Town of Portsmouth

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



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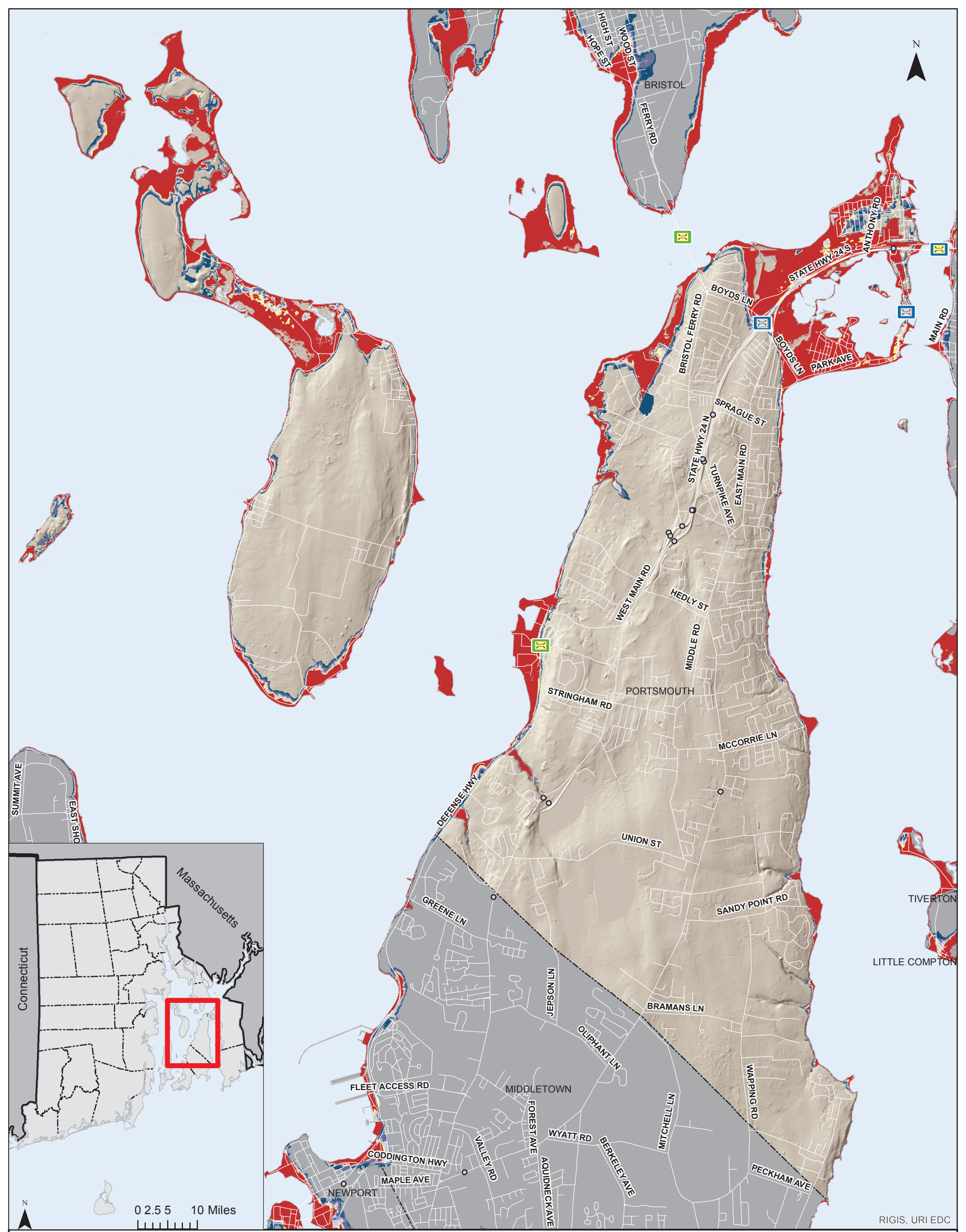


Relative Road Vulnerability to 100-Year Storm Surge Event Plus Sea Level Rise														
Portsmouth			Linear Feet Inundated During 100 Year Surge Event Plus:											
Muni. Rank	State Rank	NAME	No SLR	1 Foot of SLR	3 Feet of SLR	5 Feet of SLR	7 Feet of SLR	Total Linear Feet	Haz. Score	Evac. Route	Intermodal Facility	Functional Classification	Sys. Score	Vulnerability Score
1	6	STATE HWY 24 N	1,267	1,480	2,176	1,280	365	6,569	4.18	No	Yes	Freeways	4.53	8.70
2	44	MOUNT HOPE BRG	168	18	18	14	14	233	4.18	No	Yes	Principal Art.	3.40	7.58
3	67	STATE HWY 24 S	1,199	1,621	2,795	1,935	351	7,900	4.10	No	No	Principal Art.	3.11	7.21
4	89	ON RAMP RI-24 N	1,182	865	533	211	311	3,103	4.01	No	Yes	Principal Art.	2.86	6.87
5	104	EXIT 2	734	71	245	316	439	1,804	3.27	No	Yes	Freeways	3.38	6.65
6	178	BOYDS LN	2,521	137	282	399	480	3,819	3.88	No	No	Minor Art.	2.22	6.10
7	189	PARK AVE	5,719	409	450	36	36	6,650	4.84	No	No	Major Coll.	1.17	6.00
8	201	RAILROAD AVE	1,076	19	28	3	5	1,131	4.83	No	No	Major Coll.	1.08	5.91
9	234	ANTHONY RD	11,145	277	934	205	219	12,780	4.77	No	No	Minor Coll.	0.98	5.76
10	660	ALDEN LANDING	931					931	5.00	No	No	Local	0.60	5.60
11	661	ATTLEBORO AVE	752					752	5.00	No	No	Local	0.60	5.60
12	662	BAY ST	526					526	5.00	No	No	Local	0.60	5.60
13	663	BEACH ST	124					124	5.00	No	No	Local	0.60	5.60
14	664	BLUE BILL WAY	343					343	5.00	No	No	Local	0.60	5.60
15	665	CEDAR AVE	992					992	5.00	No	No	Local	0.60	5.60
16	666	CHESTNUT ST	319					319	5.00	No	No	Local	0.60	5.60
17	667	COMMON FENCE POINT BLVD	3,179					3,179	5.00	No	No	Local	0.60	5.60
18	668	CORAL AVE	712					712	5.00	No	No	Local	0.60	5.60
19	669	COTTAGE AVE	1,541					1,541	5.00	No	No	Local	0.60	5.60
20	670	COVE ST	1,094					1,094	5.00	No	No	Local	0.60	5.60
21	671	EDITH AVE	129					129	5.00	No	No	Local	0.60	5.60
22	672	FOUNTAIN AVE	880					880	5.00	No	No	Local	0.60	5.60
23	673	GORMLEY AVE	1,464					1,464	5.00	No	No	Local	0.60	5.60
24	674	GOULD ST	154					154	5.00	No	No	Local	0.60	5.60
25	675	GREENE ST	628					628	5.00	No	No	Local	0.60	5.60
26	676	HIGHLAND AVE	1,429					1,429	5.00	No	No	Local	0.60	5.60
27	677	ISLAND AVE	794					794	5.00	No	No	Local	0.60	5.60
28	678	ISLAND PARK AVE	216					216	5.00	No	No	Local	0.60	5.60
29	679	ISLAND RD	844					844	5.00	No	No	Local	0.60	5.60
30	680	LAGOON RD	1,080					1,080	5.00	No	No	Local	0.60	5.60
31	681	LEEDHAM ST	163					163	5.00	No	No	Local	0.60	5.60
32	682	LIBERTY ST	762					762	5.00	No	No	Local	0.60	5.60
33	683	LITTLE HARBOR LNDG	597					597	5.00	No	No	Local	0.60	5.60
34	684	MAIN RD	1,180					1,180	5.00	No	No	Local	0.60	5.60
35	685	MARINE AVE	387					387	5.00	No	No	Local	0.60	5.60
36	686	MARITIME DR	1,389					1,389	5.00	No	No	Local	0.60	5.60
37	687	MASON AVE	1,246					1,246	5.00	No	No	Local	0.60	5.60
38	688	MORGAN ST	826					826	5.00	No	No	Local	0.60	5.60
39	689	NARRAGANSETT RD	785					785	5.00	No	No	Local	0.60	5.60
40	690	NORTH WATER ST	374					374	5.00	No	No	Local	0.60	5.60
41	691	OAK ST	583					583	5.00	No	No	Local	0.60	5.60
42	692	OLD BOYD S LN	644					644	5.00	No	No	Local	0.60	5.60
43	693	ORMEROD AVE	1,574					1,574	5.00	No	No	Local	0.60	5.60
44	694	PEACE ST	1,421					1,421	5.00	No	No	Local	0.60	5.60
45	695	PEARL ST	386					386	5.00	No	No	Local	0.60	5.60
46	696	PINE ST	721					721	5.00	No	No	Local	0.60	5.60
47	697	POINT ST	64					64	5.00	No	No	Local	0.60	5.60
48	698	REGATTA WAY	518					518	5.00	No	No	Local	0.60	5.60
49	699	RIVERSIDE ST	3,699					3,699	5.00	No	No	Local	0.60	5.60
50	700	RUSSELL AVE	501					501	5.00	No	No	Local	0.60	5.60
51	701	RUTH AVE	219					219	5.00	No	No	Local	0.60	5.60
52	702	SAGAMORE ST	566					566	5.00	No	No	Local	0.60	5.60
53	703	SEACONNET AVE	424					424	5.00	No	No	Local	0.60	5.60
54	704	STAFFORD ST	271					271	5.00	Yes	Yes	Local	0.60	5.60
55	705	THORPE AVE	185					185	5.00	No	No	Local	0.60	5.60
56	706	UNNAMED_11	1,315					1,315	5.00	No	No	Local	0.60	5.60
57	707	UNNAMED-6	1,243					1,243	5.00	No	No	Local	0.60	5.60
58	708	WALNUT ST	1,131					1,131	5.00	No	No	Local	0.60	5.60
59	709	WARCAM WAY	461					461	5.00	No	No	Local	0.60	5.60
60	1,027	SEACONNET BLVD	1,333	16				1,349	4.98	No	No	Local	0.60	5.58
61	1,051	ON RAMP RI-24 S	260	326	11			597	4.94	No	No	Local	0.60	5.54
62	1,072	HALL RD	425	25				450	4.92	No	No	Local	0.60	5.52
63	1,108	TERMINAL RD	1,017	19	10	30		1,076	4.84	No	No	Local	0.60	5.44
64	1,118	POINT RD	918	1,096	245	181	193	2,632	4.28	No	No	Major Coll.	1.15	5.43
65	1,122	ROSS AV	286	23	6			315	4.83	No	No	Local	0.60	5.43
66	1,144	ALEXANDER RD	2,780	408	416	27	18	3,649	4.77	No	No	Local	0.60	5.37
67	1,167	BERKLEY AVE	1,263	23	40	33	24	1,382	4.73	No	No	Local	0.60	5.33
68	1,232	HUMMOCKS AVE	559	55	66	69	72	822	4.02	No	No	Major Coll.	1.20	5.22
69	1,256	ATLANTIC AVE	324	372	94			791	4.58	No	No	Local	0.60	5.18
70	1,266	HOPE AVE	459	13	52			524	4.56	No	No	Local	0.60	5.16
71	1,280	NARRAGANSETT AVE	5,974	1,087	1,950	1,168	615	10,793	4.55	No	No	Local	0.60	5.15

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	1,293	SOUTH PRUDENCE BAY ISLAND PA	3,442	130	227	225	197	4,221	4.52	No	No	Local	0.60	5.12
73	1,323	NECK FARM RD	6,027	917	1,058	801	708	9,511	4.45	No	No	Local	0.60	5.05
74	1,336	LEVESQUE MEMORIAL DR	2,915	306	197	243	272	3,934	4.42	No	No	Local	0.60	5.02
75	1,389	RIVERSIDE AVE	1,188	19	36	42	197	1,482	4.33	No	No	Local	0.60	4.93
76	1,422	CANTON AVE	963	76	119	69	36	1,264	4.29	No	No	Local	0.60	4.89
77	1,429	DEFENSE HWY	712	113	192	167	235	1,418	3.68	No	No	Major Coll.	1.20	4.88
78	1,474	LANDING LN	136	5	13	14	6	175	4.22	No	No	Local	0.60	4.82
79	1,479	KENSINGTON AVE	403	46	92	13		555	4.21	No	No	Local	0.60	4.81
80	1,493	SAKONNET DR	1,143	105	87	132	158	1,625	4.19	No	No	Local	0.60	4.79
81	1,509	LAKEVILLE AVE	306	17	28	17	47	415	4.16	No	No	Local	0.60	4.76
82	1,526	UNNAMED_17	433	44	48	41	41	607	4.14	No	No	Local	0.60	4.74
83	1,544	BAY AVE	3,745	282	362	352	929	5,670	4.11	No	No	Local	0.60	4.71
84	1,551	NEWPORT BEACH DR	570	482	635	67	149	1,903	4.10	No	No	Local	0.60	4.70
85	1,590	BROADWAY	258	14	32	25	25	354	4.05	No	No	Local	0.60	4.65
86	1,625	BAKER RD	96	251	706			1,053	3.99	No	No	Local	0.60	4.59
87	1,639	MASSASOIT AVE	627	13	187	105	92	1,024	3.98	No	No	Local	0.60	4.58
88	1,658	RAYNHAM AVE	369	20	33	37	87	546	3.93	No	No	Local	0.60	4.53
89	1,694	THERIEN RD	499	96	265	142		1,002	3.88	No	No	Local	0.60	4.48
90	1,715	SUMMIT RD	197	13	21	34	28	294	3.85	No	No	Local	0.60	4.45
91	1,733	CLIFF RD	1,306	282	941	794	575	3,897	3.82	No	No	Local	0.60	4.42
92	1,738	HARBOR RD	317	54	135	21		527	3.81	No	No	Local	0.60	4.41
93	1,739	CARNEGIE HEIGHTS DR	445	45	87	64	72	713	3.81	No	No	Local	0.60	4.41
94	1,742	OLD PIER RD	397	42	67	70	63	640	3.81	No	No	Local	0.60	4.41
95	1,769	DIGHTON AVE	784	33	59	188	175	1,240	3.77	No	No	Local	0.60	4.37
96	1,774	EXIT 3	527	200	124	429		1,280	3.45	No	No	Minor Coll.	0.91	4.36
97	1,787	SANDY POINT RD	132	8	21	27	20	207	3.73	No	No	Minor Coll.	0.60	4.33
98	1,794	MANSFIELD AVE	216	29	100	21		367	3.72	No	No	Local	0.60	4.32
99	1,812	AQUIDNECK AVE		488	335	122	83	1,028	3.70	No	No	Local	0.60	4.30
100	1,818	UNNAMED_12	152	15	31	46		243	3.69	No	No	Local	0.60	4.29
101	1,834	CLIFF AVE	557	42	330	574	246	1,750	3.66	No	No	Local	0.60	4.26
102	1,838	EASTON AVE	431	234	324	376	18	1,383	3.65	No	No	Local	0.60	4.25
103	1,844	UNNAMED_8	1,070	82	86	124	461	1,824	3.64	No	No	Local	0.60	4.24
104	1,847	WILLOW LN	215	23	53	43	40	374	3.64	No	No	Local	0.60	4.24
105	1,865	BEACH RD	635	101	146	220	120	1,222	3.61	No	No	Local	0.60	4.21
106	1,867	MADISON AVE	68	7	14	14	10	112	3.60	No	No	Local	0.60	4.20
107	1,881	BAY RD	70	358	622	517	238	1,805	3.59	No	No	Local	0.60	4.19
108	1,893	FOXBORO AVE	401	17	36	700	224	1,377	3.56	No	No	Local	0.60	4.16
109	1,900	NORWOOD AVE	240	30	58	49	63	441	3.54	No	No	Local	0.60	4.14
110	1,908	BAYVIEW AVE	389	66	487	799	169	1,910	3.53	No	No	Local	0.60	4.13
111	1,923	ISLINGTON AVE	234	13	317	511	142	1,218	3.51	No	No	Local	0.60	4.11
112	1,924	RAPHAEL AVE	268	31	54	97	49	499	3.51	No	No	Local	0.60	4.11
113	1,989	EDDA AVE	68	14	17	13	10	122	3.45	No	No	Local	0.60	4.05
114	2,013	E POWER ST	94	15	19	21	21	171	3.43	No	No	Local	0.60	4.03
115	2,018	HOLBROOK AVE	66	7	17	17	14	121	3.42	No	No	Local	0.60	4.02
116	2,065	RHODE ISLAND BLVD	825	59	327	780	809	2,800	3.32	No	No	Local	0.60	3.92
117	2,148	HOLLISTON AVE	316	40	99	159	92	706	3.18	No	No	Local	0.60	3.78
118	2,156	FRANCIS AVE	55	8	19	19	16	117	3.16	No	No	Local	0.60	3.76
119	2,157	BRISTOL FERRY RD	79	8	21	19	65	193	2.94	No	No	Local	0.82	3.76
120	2,162	NORSEMAN DR	540	59	150	171	294	1,214	3.15	No	No	Local	0.60	3.75
121	2,174	SOUTH CARNEGIE BEACH DR	246	22	48	34	208	558	3.12	No	No	Local	0.60	3.72
122	2,176	UNNAMED_9			383	733	265	1,382	3.12	No	No	Local	0.60	3.72
123	2,222	DANIEL AVE	129	57	64	61	65	377	3.01	No	No	Local	0.60	3.61
124	2,224	NARRAGANSETT BLVD	353	67	228	178	388	1,214	3.00	No	No	Local	0.60	3.60
125	2,233	WEST BUNKER RD	358	73	140	226	140	938	2.99	No	No	Local	0.60	3.59
126	2,307	HILLSIDE AV	102	20	40	29	122	313	2.77	No	No	Local	0.60	3.37
127	2,313	PORTSMOUTH LN	2	142	97	128	26	395	2.76	No	No	Local	0.60	3.36
128	2,328	RAVINE RD	46	4	9	7	10	75	2.72	No	No	Local	0.60	3.32
129	2,454	HOPE VIEW RD	422	46	99	465	616	1,648	2.45	No	No	Local	0.60	3.05
130	2,477	GREENFIELD AVE	274	56	59	327	499	1,215	2.38	No	No	Local	0.60	2.98
131	2,509	THIRD ST	16	16	26	16	10	85	2.26	No	No	Local	0.60	2.86
132	2,513	WELL LN	38	10	20	20	13	101	2.26	No	No	Local	0.60	2.86
133	2,523	HERITAGE DR			217	256	127	600	2.22	No	No	Local	0.60	2.82
134	2,527	KING PHILLIP ST		61	200	135	135	531	2.21	No	No	Local	0.60	2.81
135	2,591	UNNAMED_13	48	17	41	55	58	218	2.09	No	No	Local	0.60	2.69
136	2,612	MASSACHUSETTS BLVD	87	22	37	48	455	648	2.04	No	No	Local	0.60	2.64
137	2,625	JOHN OLDHAM RD	21	52	144	28	42	286	2.01	No	No	Local	0.60	2.61
138	2,630	VALHALLA DR		71	109	57	44	280	2.00	No	No	Local	0.60	2.60
139	2,634	DEPOT AVE	31	14	25	29	27	126	1.99	No	No	Local	0.60	2.59
140	2,639	CHASE AVE		19	24	21	17	81	1.97	No	No	Local	0.60	2.57
141	2,653	MORNINGSIDE LN		21	26	23	23	93	1.95	No	No	Local	0.60	2.55
142	2,668	MUSSELBED SHOAL RD	6	85	39	30	248	408	1.92	No	No	Local	0.60	2.52
143	2,670	ALICE AVE		23	38	19	32	112	1.91	No	No	Local	0.60	2.51
144	2,676	EAST CORYS LN		25	36	36	30	127	1.89	No	No	Local	0.60	2.49



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
145	2,678	MCCORRIE LN	21	14	26	26	21	107	1.89	No	No	Local	0.60	2.49
146	2,683	BAYSIDE AVE			127	252	159	538	1.88	No	No	Local	0.60	2.48
147	2,684	BEACH RD SOUTH	19	20	53	57	60	210	1.88	No	No	Local	0.60	2.48
148	2,711	UNNAMED_14		38	28	155	85	307	1.75	No	No	Local	0.60	2.35
149	2,714	HOMESTEAD LN		21	80	39	30	170	1.74	No	No	Local	0.60	2.34
150	2,733	WEST SHORE RD		16	81	100	380	577	1.56	No	No	Local	0.60	2.16
151	2,751	DEXTER RD			16	188	148	352	1.50	No	No	Local	0.60	2.10
152	2,752	SIMONELLI RD			25	37	37	99	1.50	No	No	Local	0.60	2.10
153	3,034	BLACK POINT LN					177	177	1.50	No	No	Local	0.60	2.10
154	3,035	BROWN LN					16	16	1.50	No	No	Local	0.60	2.10
155	3,036	CARNEGIE HARBOR DR				134	805	938	1.50	No	No	Local	0.60	2.10
156	3,037	CRAM RD					268	268	1.50	No	No	Local	0.60	2.10
157	3,038	EVANS WAY					201	201	1.50	No	No	Local	0.60	2.10
158	3,039	FAIRVIEW LN				53	22	75	1.50	No	No	Local	0.60	2.10
159	3,040	HARRIET AVE			28	19	18	65	1.50	No	No	Local	0.60	2.10
160	3,041	MOUNT TOM RD				85	75	160	1.50	No	No	Local	0.60	2.10
161	3,042	NEWPORT HARBOR DR		7	37	43	101	188	1.50	No	No	Local	0.60	2.10
162	3,043	OAKDALE AVE					252	252	1.50	No	No	Local	0.60	2.10
163	3,044	OLIVER HAZARD PERRY RD					377	377	1.50	No	No	Local	0.60	2.10
164	3,045	PARK RD					18	18	1.50	No	No	Local	0.60	2.10
165	3,046	PEAR TREE LN				10	23	34	1.50	No	No	Local	0.60	2.10
166	3,047	PIER ST					32	32	1.50	No	No	Local	0.60	2.10
167	3,048	SUNSET LN					3	3	1.50	No	No	Local	0.60	2.10
168	3,049	WARNER AVE			17	39	32	87	1.50	No	No	Local	0.60	2.10
169	3,339	ALLEN LN				10	23	33	1.50	No	No	Local	0.60	2.10
170	3,340	CONCORD AVE		7	14	11	15	47	1.50	No	No	Local	0.60	2.10
171	3,341	HARGRAVES DR			8	33	33	74	1.50	No	No	Local	0.60	2.10
172	3,342	MACOMBER LN				102	94	196	1.50	No	No	Local	0.60	2.10
173	3,343	METACOMET ST			35	23	319	377	1.50	No	No	Local	0.60	2.10
174	3,344	RICHARD DR				101	42	143	1.50	No	No	Local	0.60	2.10
175	3,345	ROSS LN			105	46	57	208	1.50	No	No	Local	0.60	2.10
176	3,346	TALLMAN AVE			27	50	43	120	1.50	No	No	Local	0.60	2.10
177	3,347	UNNAMED_10				316	138	454	1.50	No	No	Local	0.60	2.10
		Total Linear Feet	119,517	14,763	22,646	20,015	18,003	194,943						



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

Town of Portsmouth

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
- Not Exposed to Surge
- Bridge Accessible
- Possible Bridge Access Problem
- 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 0.25 0.5 1 Miles

**RIGIS**

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.

RIGIS, URI EDC



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

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	13	Sakonnet River	RI 24 & RI 138	SAKONNET R	-228	MHHW	Problem	5.00	Yes	No	40,000	4.00	9.00
2	26	Boyd Lane NB	RI 24 NB	BOYD LANE	144	Land	Problem	2.80	Yes	Yes	19,516	5.00	7.80
3	50	Boyd Lane SB	RI 24 SB	BOYD LANE	132	Land	Problem	2.80	Yes	No	19,516	4.00	6.80
4	105	The Cove	HUMMOCKS POINT RD	TIDAL INLET	64	MHHW	Problem	4.60	No	No	2,043	0.60	5.20
5	132	Bradford Ave RR	BRADFORD AV	NEWPORT SEC RR	-66	Water	Access	2.50	Yes	No	100	1.60	4.10