








Sea Level Rise Scenarios Affecting Roads

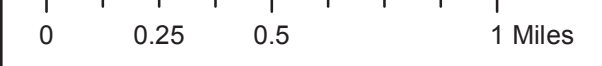
Town of New Shoreham

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

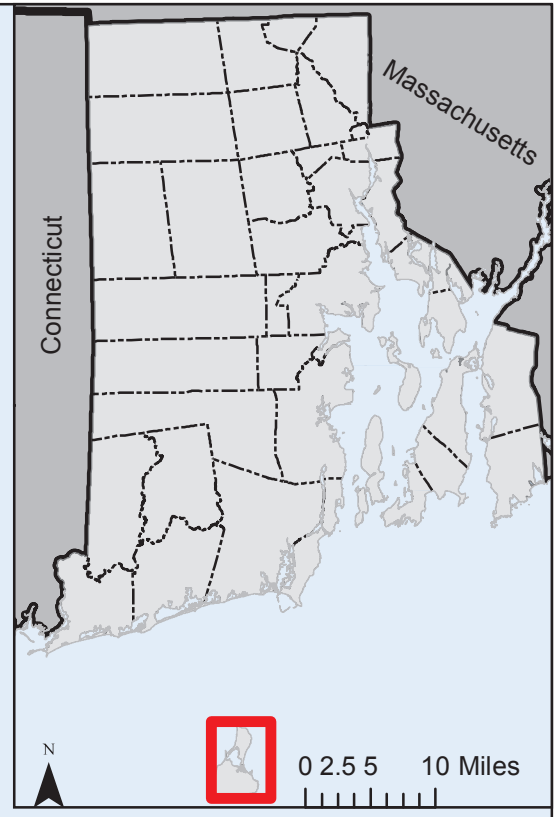
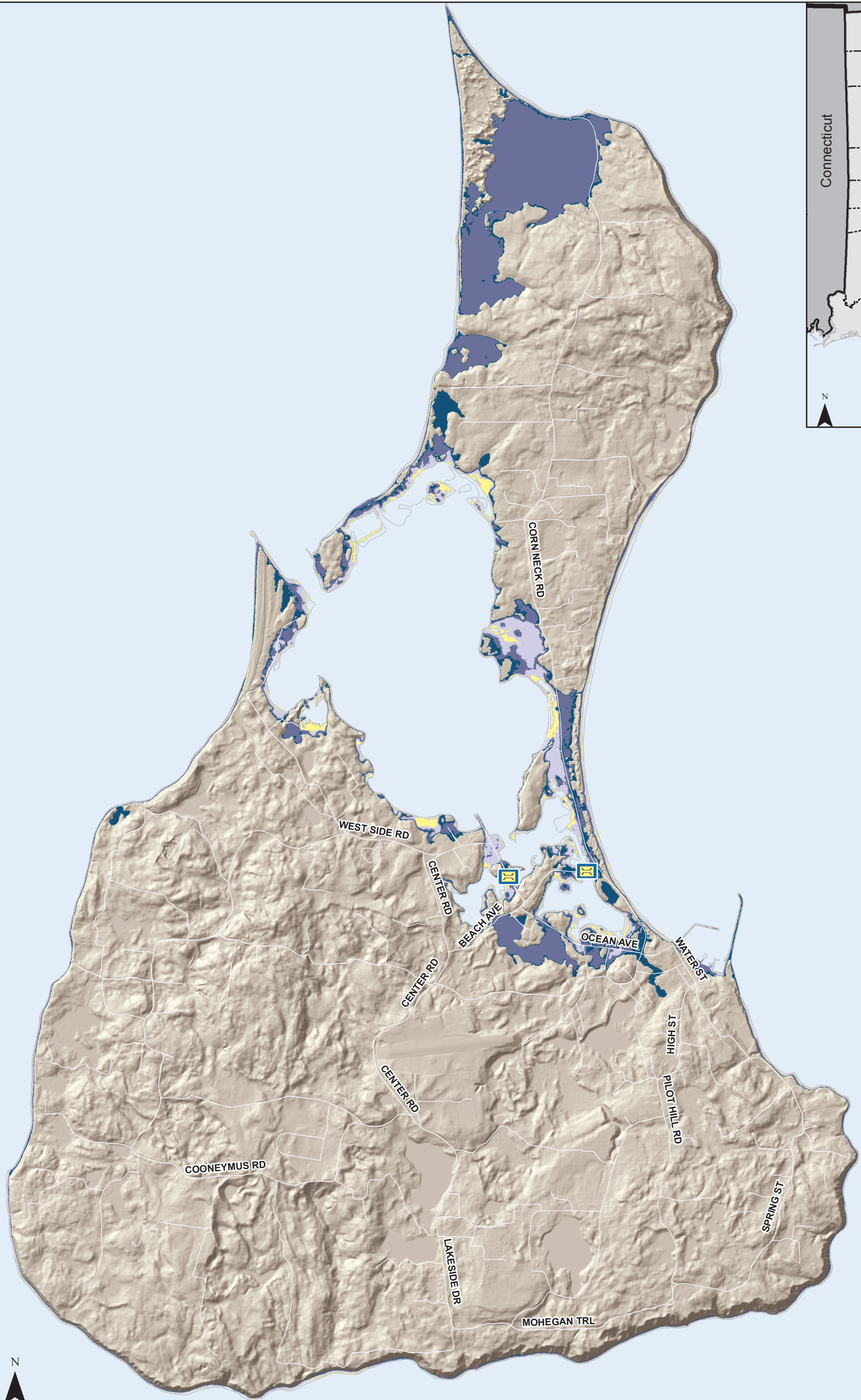
	Current Mean Higher High Water		Potentially Affected Roads
	1Ft Sea Level Rise		Roads
	3Ft Sea Level Rise		
	5Ft Sea Level Rise		
	7Ft Sea Level Rise		



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Relative Road Vulnerability to Sea Level Rise

New Shoreham			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	28	CORN NECK RD			2,046	5,212	7,258	5.00	No	No	Major Coll.	1.20	6.20
2	46	OCEAN AVE		1,155	2,240	1,194	4,589	4.24	No	No	Major Coll.	1.51	5.75
3	213	COAST GUARD RD		890	367	345	1,602	3.44	No	No	Local	0.60	4.04
4	233	INDIAN HEAD NECK RD	539	326	337	187	1,389	3.33	No	No	Local	0.60	3.93
5	290	UNNAMED_114		138	587	201	927	3.07	No	No	Local	0.60	3.67
6	359	CHAPEL ST				289	289	1.50	No	No	Minor Art.	1.80	3.30
7	360	OLD TOWN RD				184	184	1.50	No	No	Minor Art.	1.80	3.30
8	453	BEACH AVE	3	7	500	785	1,295	1.50	No	No	Major Coll.	1.44	2.94
9	495	WEST SIDE RD		98	56	36	190	1.50	No	No	Major Coll.	1.20	2.70
10	537	WATER ST		46	121	146	313	1.50	No	No	Minor Coll.	0.91	2.41
11	831	JOBS HILL RD			113	105	218	1.50	No	No	Local	0.60	2.10
12	832	UNNAMED_126				129	129	1.50	No	No	Local	0.60	2.10
13	833	UNNAMED_60			19	35	55	1.50	No	No	Local	0.60	2.10
14	1,356	CONNECTICUT AVE		26	161	46	234	1.50	No	No	Local	0.60	2.10
15	1,357	UNNAMED_128			6	178	184	1.50	No	No	Local	0.60	2.10
TOTAL LINEAR FEET			542	2,687	6,554	9,073	18,856						



Sea Level Rise Scenarios Affecting Bridges

Town of New Shoreham

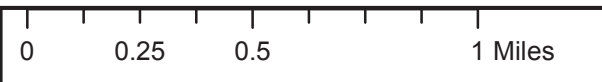
Map Created: 8/11/2016

Map Legend

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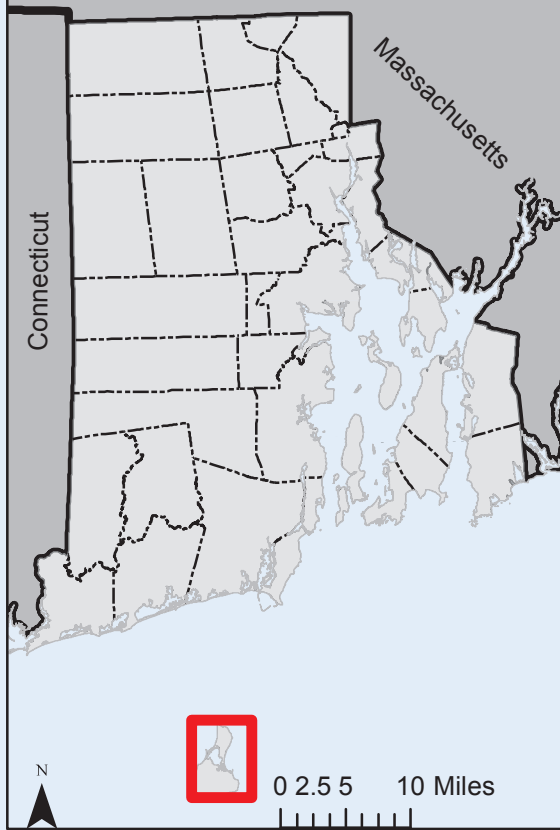
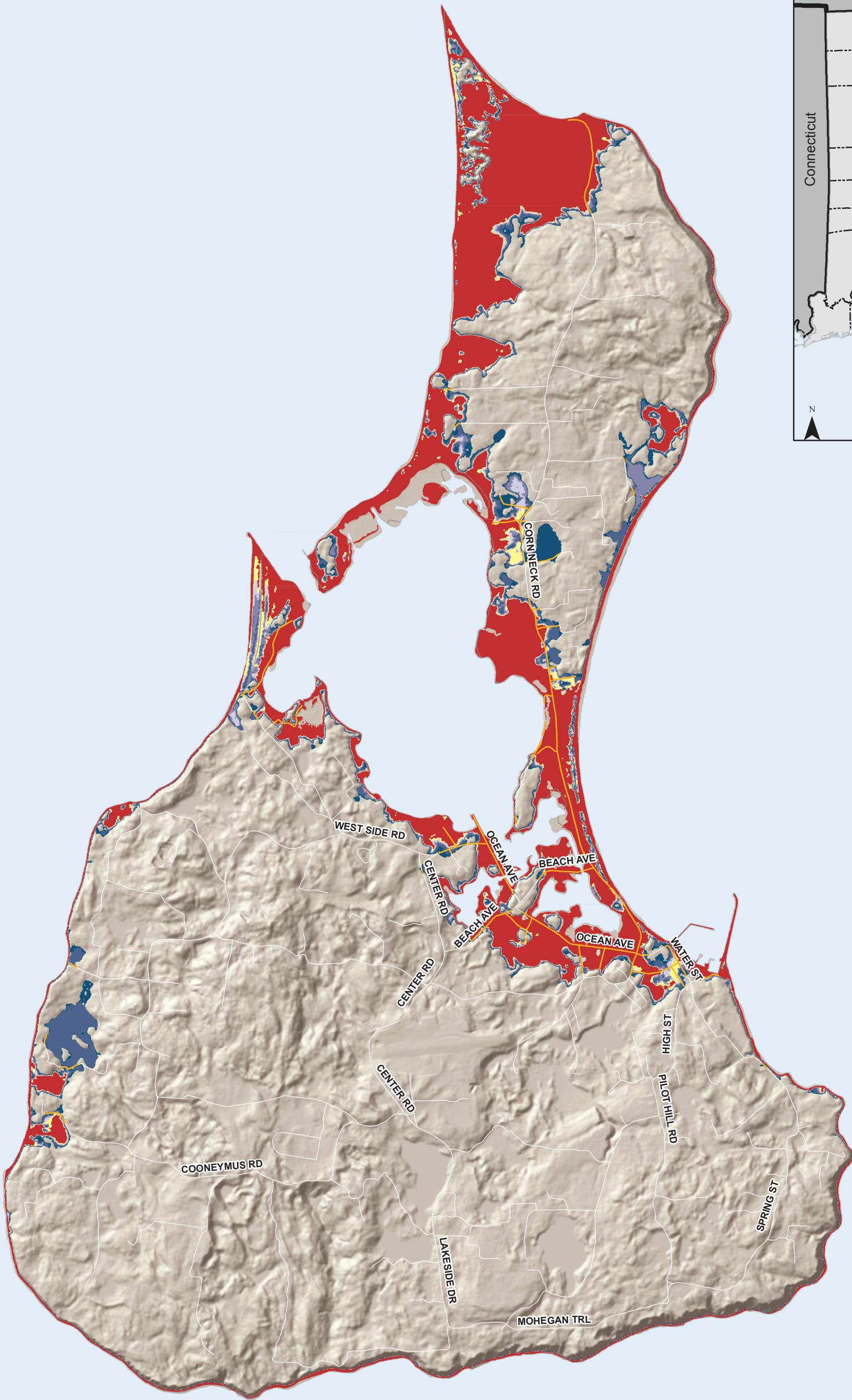
Freeboard Potentially Affected by SLR	Current Mean Higher High Water	Roads
Freeboard Unlikely to be Affected by SLR	1Ft Sea Level Rise	
Not Exposed to SLR	3Ft Sea Level Rise	
Bridge Accessible	5Ft Sea Level Rise	
Possible Bridge Access Problem	7Ft Sea Level Rise	



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Bridges Possibly Affected by Sea Level Rise in the Town of New Shoreham

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	33	New Harbor Road	OCEAN AV	TRIMMS POND	-14	MHHW	Problem	5.00	No	No	2,085	1.50	6.50
2	34	New Shoreham	BEACH AV	HARBOR POND	-11	MHHW	Problem	5.00	No	No	1,905	1.50	6.50



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

Town of New Shoreham

Map Created: 8/11/2016

Map Legend

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

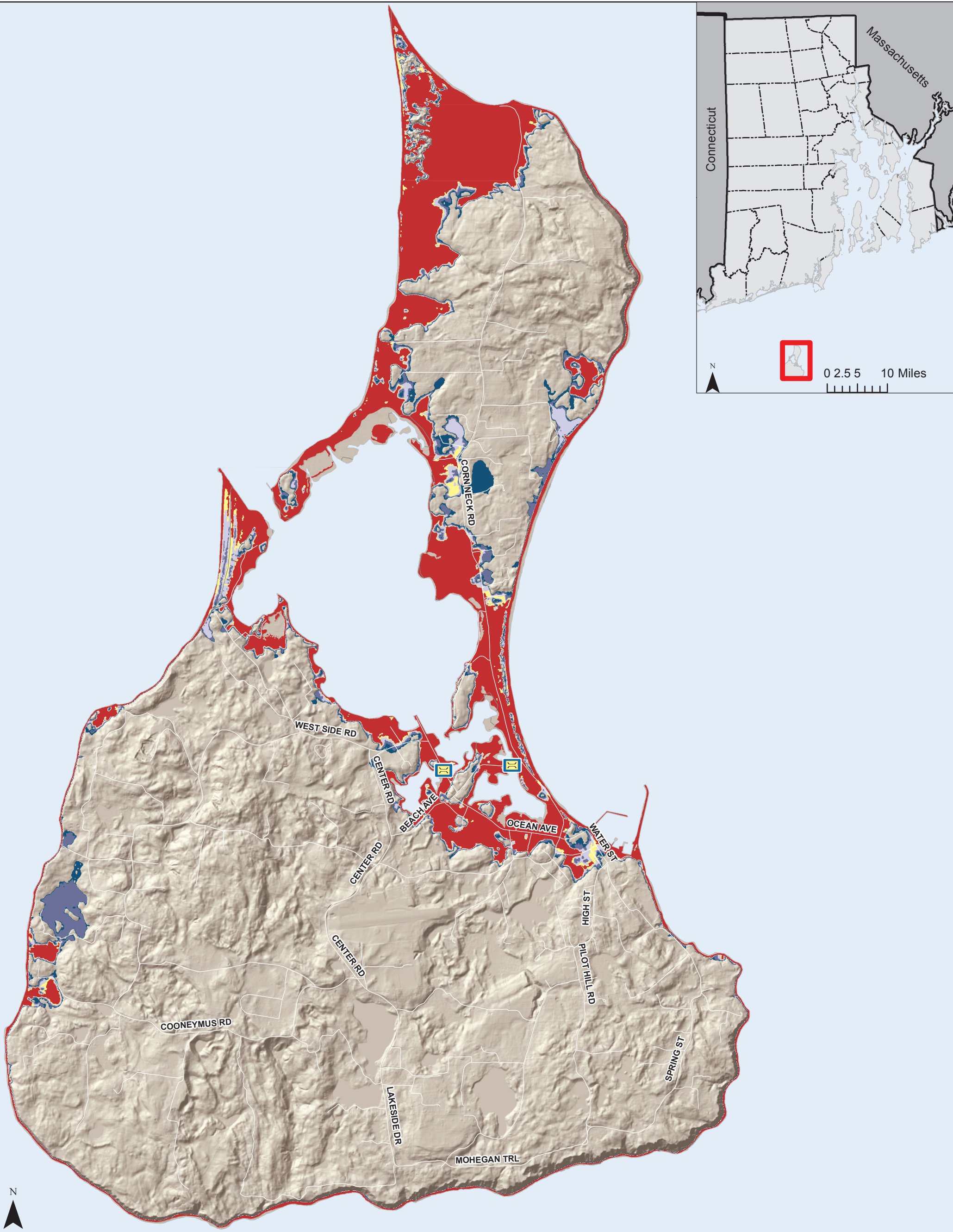
Includes Hillshade from USGS 2011 LiDAR

- 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														
New Shoreham			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	134	OCEAN AVE	4,910	38	59	68	60	5,135	4.86	No	No	Major Coll.	1.53	6.39
2	176	CHAPEL ST	484	277	286	48		1,095	4.36	No	No	Minor Art.	1.80	6.16
3	220	CORN NECK RD	9,256	633	964	599	683	12,134	4.61	No	No	Major Coll.	1.20	5.81
4	243	BEACH AVE	1,710	129	245	193	157	2,435	4.18	No	No	Major Coll.	1.49	5.66
5	549	UNNAMED_126	611					611	5.00	No	No	Local	0.60	5.60
6	550	UNNAMED_128	217					217	5.00	No	No	Local	0.60	5.60
7	1,126	UNNAMED_114	1,029	11	20	14	12	1,087	4.82	No	No	Local	0.60	5.42
8	1,210	ANDY'S WAY	556	34	25	23		638	4.66	No	No	Local	0.60	5.26
9	1,271	INDIAN HEAD NECK RD	1,569	19	63	70	85	1,806	4.56	No	No	Local	0.60	5.16
10	1,277	OLD TOWN RD	289	36	73	63	57	518	3.59	No	No	Major Coll.	1.56	5.15
11	1,321	JOBS HILL RD	406	65	35	18		524	4.46	No	No	Local	0.60	5.06
12	1,469	COAST GUARD RD	1,833	55	170	223	112	2,393	4.23	No	No	Local	0.60	4.83
13	1,578	WATER ST	452	173	328	301	352	1,605	3.21	No	No	Major Coll.	1.46	4.67
14	1,579	SCOTCH BEACH RD	92	246	216	7		562	4.07	No	No	Local	0.60	4.67
15	1,725	WELDON'S WAY		361	67	47	67	542	3.83	No	No	Local	0.60	4.43
16	1,974	UNNAMED_60	320	10	135	58	44	567	3.48	No	No	Local	0.60	4.08
17	2,002	CONNECTICUT AVE	320	43	109	80	70	622	3.44	No	No	Local	0.60	4.04
18	2,084	UNNAMED_112	226	53	70	73	79	500	3.29	No	No	Local	0.60	3.89
19	2,098	WEST SIDE RD	249	16	222	290	344	1,122	2.67	No	No	Major Coll.	1.20	3.87
20	2,569	CENTER RD					90	90	1.50	No	No	Major Coll.	1.20	2.70
21	2,570	SPRING ST					130	130	1.50	No	No	Major Coll.	1.20	2.70
22	2,599	UNNAMED_105			276	49	415	740	2.07	No	No	Local	0.60	2.67
23	2,664	COONEYMUS RD			154	140	275	570	1.92	No	No	Local	0.60	2.52
24	2,686	WEST BEACH RD		26	49	46	23	144	1.86	No	No	Local	0.60	2.46
25	2,746	UNNAMED_84			1	54	59	114	1.50	No	No	Local	0.60	2.10
26	2,954	DORRIES COVE RD			1	97	64	162	1.50	No	No	Local	0.60	2.10
27	2,955	LEGION WAY					8	8	1.50	No	No	Local	0.60	2.10
28	2,956	MANSION RD				99	130	229	1.50	No	No	Local	0.60	2.10
29	2,957	SKIPPER'S ISLAND RD					10	10	1.50	No	No	Local	0.60	2.10
30	2,958	TRIM'S RDG			22	44	48	114	1.50	No	No	Local	0.60	2.10
31	2,959	UNNAMED_81		11	77	39	36	164	1.50	No	No	Local	0.60	2.10
32	2,960	UNNAMED_83					776	776	1.50	No	No	Local	0.60	2.10
33	2,961	UNNAMED_86				92	56	148	1.50	No	No	Local	0.60	2.10
34	3,312	OFF WEST SIDE DR				352	250	603	1.50	No	No	Local	0.60	2.10
35	3,313	UNNAMED_76			72	70	42	184	1.50	No	No	Local	0.60	2.10
Total Linear Feet			24,530	2,238	3,666	3,189	4,492	38,115						



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

Town of New Shoreham

Map Created: 8/11/2016

Map Legend

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 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

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Relative Bridge Vulnerability to 100-Year Storm Surge Event Plus Sea Level Rise in the Town of New Shoreham													
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	89	New Harbor Road	OCEAN AV	TRIMMS POND	-134	MHHW	Problem	5.00	No	No	2,085	0.60	5.60
2	90	New Shoreham	BEACH AV	HARBOR POND	-119	MHHW	Problem	5.00	No	No	1,905	0.60	5.60