

NEW SHOREHAM, RI

SOCIOECONOMICS OF SEA LEVEL RISE COASTAL FACTSHEET



PROJECT OVERVIEW

Rhode Island's municipalities are in the preliminary stages of integrating planning for sea level rise and climate change into their comprehensive planning process. To support these planning efforts of RI cities and towns, RISPP developed the Socioeconomics of Sea Level Rise project. The project aims to assist coastal municipalities in their long-term planning by attempting to identify population characteristics of **the people** located within sea level rise (SLR) inundation zones 1, 3, 5 and 7 FT. The data presented in this factsheet places a focus on Environmental Justice and Title VI populations.

METHODOLOGY

The RISPP utilized 2010 Decennial Census data and the latest American Community Survey (ACS) estimates to conduct an extensive data analysis. Staff also utilized CRMC's STORMTOOLS GIS shapefiles to identify the SLR inundation zones. In addition, RI Geographic Information Systems (RIGIS) e-911 data was utilized to identify single family, multi-family and mobile home residential points located within each SLR inundation zone. For more information on the methodology, please reference the [full report](#) on our website.

NEW SHOREHAM QUICK FACTS

1,051

2010 Census Population

50.2

2010 Census Median Age

\$90,526

2014 ACS Median Household Income

NEW SHOREHAM'S OCCUPIED RESIDENTIAL UNITS & POPULATION ESTIMATES

New Shoreham, also known as Block Island, is one of Rhode Island's 21 coastal communities. The island is located south of South Kingstown, Rhode Island.

The Town of New Shoreham has an average household size of 2.05 (2010 Census). The average household size and the percentage of occupied housing units were used to calculate a population estimate. Approximately 21-24% of the residential units located within SLR inundation zones 3, 5 and 7 FT. are occupied units.

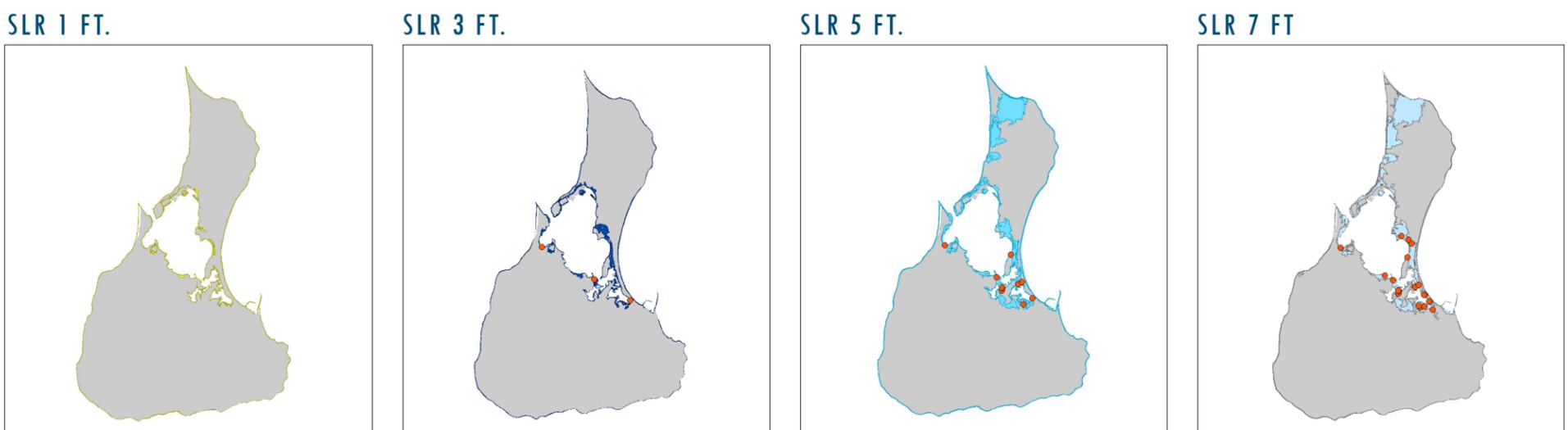
Residential units were identified in GIS using the e-911 shapefile. All of the residential units located in the SLR inundation zones are single family units. The estimated population located in the 3 FT. inundation zone doubles in value in the 5 FT. inundation zone. The 7 FT. inundation zone has the greatest population and number of residential units, with 10 people estimated within the zone and 5 occupied residential units.

SLR Inundation zone	Residential Units	Occupied Unit calculation (Total Units (x) Occ. Housing Unit Rate in SLR zone)	Population calculation (Occupied Units (x) New Shoreham Avg. HH Size)
1FT.	0	0	0
3FT.	3 SF	1 (21% occ. HU)	2
54	10 SF	2 (21% occ. HU)	4
7FT.	19 SF	5 (24% occ. HU)	10



SLR INUNDATION ZONES

The maps above illustrate each of the SLR inundation zones. Single family units are represented by orange points in the SLR inundation zone maps, while multi-family units are represented by green points.



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SLR 1

SLR 3

SLR 5

SLR 7

EST. POPULATION: 0
EST. OCCUPIED HOUSEHOLDS: 0

EST. POPULATION: 2
EST. OCCUPIED HOUSEHOLDS: 1

EST. POPULATION: 4
EST. OCCUPIED HOUSEHOLDS: 2

EST. POPULATION: 10
EST. OCCUPIED HOUSEHOLDS: 5

There were zero residential units located within the e-911 shapefile in the 1FT. SLR inundation scenario. Please note, a zero value does not imply that zero people or structures will be impacted in a 1FT. SLR scenario.

97% or 2 - White
1% or 0.01 - Black
0% - American Indian/Alaska Native
1% or 0.01 - Asian
0% - Hispanic
3% or 0.1 - Minority

97% or 4 - White
1% or 0.02 - Black
0% - American Indian/Alaska Native
1% or 0.02 - Asian
0% - Hispanic
3% or 0.1 - Minority

96% or 10 - White
0% - Black
0% - American Indian/Alaska Native
1% or 0.1 - Asian
2% or 0.2 - Hispanic
5% or 0.5 - Minority



6% or 0.1 are Individuals with Disabilities

6% or 0.1 are Individuals with Disabilities

6% or 0.3 are Individuals with Disabilities

2% or 0.02 are Limited English Proficiency Households

2% or 0.04 are Limited English Proficiency Households

2% or 0.1 are Limited English Proficiency Households

4% or 0.1 are Unemployed

4% or 0.1 are Unemployed

4% or 0.3 are Unemployed

9% or 0.2 are Individuals Below Poverty Level

9% or 0.4 are Individuals Below Poverty Level

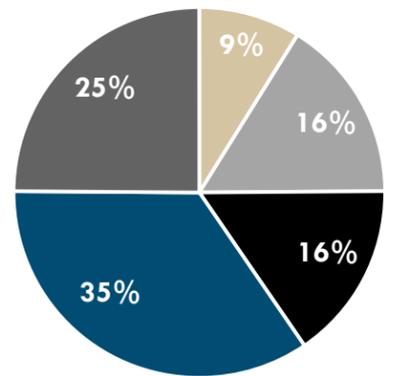
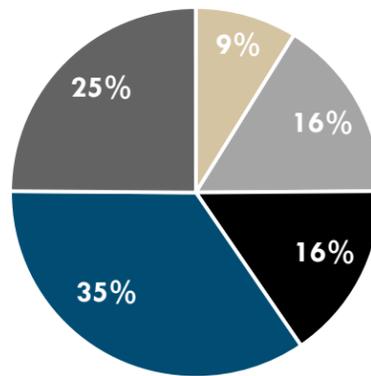
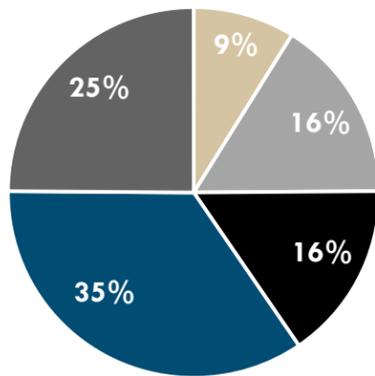
9% or 1 are Individuals Below Poverty Level

3% or 0.03 Households receive SSI

3% or 0.1 Households receive SSI

3% or 0.2 Households receive SSI

- In Estimated Occupied Housing Units



■ Less than 24,999K ■ 25,000 to 49,999 ■ 50,000 to 74,999 ■ 75,000 to 124,999 ■ 125,000 and up

- Percent of Population in Housing Type

27% Renter Occupied
19% Owned Outright

27% Renter Occupied
19% Owned Outright

27% Renter Occupied
19% Owned Outright



RACE & AGE

SOCIAL CHARACTERISTICS

HOUSEHOLD INCOME

HOUSEHOLD CHARACTERISTICS

NEW SHOREHAM (3FT, 5FT, 7FT)*

*No Residential Units within 1 FT SLR Scenario

	Variable Name	Sea Level Rise (SLR)				Count	
		SLR 3	SLR 5	SLR 7	SLR 7		
HOUSING UNITS & POPULATION	e911 Housing Unit Total						
	Single Family (R1) Units	3	10		19		
	Multifamily (R2) Units with Calculation (*2)	0	0		0		
	Mobile Home (R3) Units	0	0		0		
	Total Units: Single Family (R1), Multifamily (R2), Mobile Home (R3)	3	10		19		
	Note: Multifamily unit totals are multiplied by 2 based on the presumption that there are a minimum of two units within each multifamily e911 point						
	Variable Name	Sea Level Rise (SLR)				Count & Percentage	
	e911 Occupied Housing Unit Calculation	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Units: Single Family (R1), Multifamily (R2), Mobile Home (R3)	3	100%	10	100%	19	100%
	Estimated Occupied Units - Count and Percentage	1	21%	2	21%	5	24%
Population Calculation							
Estimated Occupied Units	1	100%	2	100%	5	100%	
Population Estimate= Occupied Units (x) Municipal Avg. Household Size (2.05)		1*2.05=2		2*2.05=4		5*2.05=10	
DEMOGRAPHIC <small>Block Level and Block Group Data</small>	Race/Hispanic Ethnicity	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Population (in Occupied Housing Units)	2	100%	4	100%	10	100%
	White	2	97%	4	97%	10	96%
	Black or African American	0.01	1%	0.02	1%	0	0%
	American Indian and Alaska Native	0	0%	0	0%	0	0%
	Asian	0.01	1%	0.02	1%	0.1	1%
	Some Other Race	0	0%	0	0%	0	1%
	Hispanic	0	0%	0	0%	0.2	2%
	Non-Hispanic, White Population	2	97%	4	97%	10	95%
	Minority Population (Total Population minus Non-Hispanic, White Population)	0.1	3%	0.1	3%	0.5	5%
SOCIAL <small>Block Group Data</small>	Age	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Population (in Occupied Housing Units)	2	100%	4	100%	10	100%
	Young Children (<5)	0	3%	0	3%	0	2%
	School-Age Children (5-17)	0	10%	0	10%	1	10%
	Age 18-24	0	4%	0	4%	0	4%
	Age 25-44	0	24%	1	24%	2	23%
	Age 45-64	1	34%	1	34%	4	37%
	Age 65-74	0	15%	1	15%	1	14%
	Age ≥75	0.2	10%	0.4	10%	1	10%
	Population 16-64 (For Individuals with a disability variable) [†]	1	56%	2	56%	6	56%
Population ≥25 (For educational attainment variable)	2	83%	3	83%	8	83%	
Population ≥16 (For employment variable) [†]	2	77%	3	77%	8	77%	
Population ≥65 (For age ≥65 in group quarters variable) [†]	1	25%	1	25%	2	24%	
ECONOMIC <small>Block Group Data and Municipal Level Data</small>	Disability	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Population (in Occupied Housing Units, age 16-64)	1	100%	2	100%	6	100%
	Individuals with Disabilities	0.1	6%	0.1	6%	0.3	6%
	Limited English Proficiency (LEP)	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Estimated Occupied Housing Units	1	100%	2	100%	5	100%
	Limited English Proficiency Households	0.02	2%	0.04	2%	0.1	2%
	Educational Attainment	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Population (in Occupied Housing Units, age ≥25)	2	100%	3	100%	8	100%
	Less than a High School Diploma or Equivalent	0.0	2%	0.1	2%	0.2	2%
	High School Diploma or GED	0.3	19%	1	19%	2	19%
Professional School	0.0	3%	0.1	3%	0.2	3%	
Associate's/Bachelor's	1	42%	1	42%	3	42%	
Master's/PhD	0.3	17%	1	17%	1	17%	
Other (Some College)	0.3	18%	1	18%	1	18%	
HOUSING <small>Block Level and Block Group Data</small>	Employment	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Population (in Occupied Housing Units, age ≥16)	2	100%	3	100%	8	100%
	Employed	1	96%	3	96%	7	96%
	Unemployed	0.1	4%	0.1	4%	0.3	4%
	Job Industry ‡	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Population (age ≥16 and employed)	1	100%	3	100%	7	100%
	Agriculture, forestry, fishing & hunting, mining	0.1	5%	0.2	5%	0.4	5%
	Construction	0.3	21%	0.6	21%	1.5	21%
	Manufacturing	0.0	3%	0.1	3%	0.2	3%
	Wholesale trade	0.0	2%	0.1	2%	0.1	2%
Retail trade	0.1	4%	0.1	4%	0.3	4%	
Transportation & warehousing, utilities	0.1	7%	0.2	7%	0.5	7%	
Information	0.0	3%	0.1	3%	0.2	3%	
Finance & insurance, real estate, rental & leasing	0.1	5%	0.2	5%	0.4	5%	
Professional, scientific, management, administrative, waste management services	0.1	7%	0.2	7%	0.5	7%	
Educational services, health care, social assistance	0.2	12%	0.3	12%	0.9	12%	
Arts, entertainment, recreation, accommodation & food services	0.3	21%	0.6	21%	1.6	21%	
Other services (except public administration)	0.1	4%	0.1	4%	0.3	4%	
Public administration	0.1	6%	0.2	6%	0.4	6%	
JOBS <small>Municipal Data & e911 Data</small>	Income	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Estimated Occupied Housing Units	1	100%	2	100%	5	100%
	Less than \$24,999K	0.1	9%	0.2	9%	0.4	9%
	\$25,000 to 49,999	0.2	16%	0.3	16%	0.8	16%
	\$50,000 to 74,999	0.2	16%	0.3	16%	0.8	16%
	\$75,000 to 124,999	0.3	35%	0.7	35%	1.7	35%
	\$125,000 and greater	0.2	25%	0.5	25%	1.2	25%
	Total Population (in Occupied Housing Units)	2	100%	4	100%	10	100%
	Income Below Poverty Level	0.2	9%	0.4	9%	1	9%
	Income Above Poverty Level	2	91%	4	91%	9	91%
Estimated Occupied Housing Units	1	100%	2	100%	5	100%	
With Social Security Income (SSI) Households	0.03	3%	0.1	3%	0.2	3%	
Without Social Security Income (SSI) Households	1	97%	2	97%	5	97%	
HOUSING <small>Block Level and Block Group Data</small>	Housing Occupancy	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Housing Units	3	100%	10	100%	19	100%
	Occupied Housing Units	1	21%	2	21%	5	24%
	Vacant Housing Units	2	79%	8	79%	14	76%
	Estimated Occupied Housing Units	1	100%	2	100%	5	100%
	Owner-Occupied Housing Units	0.4	66%	1	66%	3	68%
	Renter-Occupied Housing Units	0.2	34%	1	34%	2	32%
	Total Population (in Occupied Housing Units)	2	100%	4	100%	10	100%
	Population in Group Quarters	0.02	1.2%	0.05	1.2%	0	0.0%
	Total Population (age ≥65)	1	100%	1	100%	2	100%
Age ≥65 in Group Quarters [†]	0	0%	0	0%	0	0%	
HOUSING <small>Block Level and Block Group Data</small>	Housing Tenure*	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Population (in Occupied Housing Units)	2	100%	4	100%	10	100%
	Populations in Property Owned with mortgage or loan	1	53%	2	53%	5	53%
	Populations in Property Owned free and clear	0.4	19%	1	19%	2	19%
	Population in Renter-Occupied Units	1	27%	1	27%	3	27%
	JOBS <small>Municipal Data & e911 Data</small>	Employment and Business Unit Data†					Count
		Average Employment - Municipality					989
		Number of Units (Business - Private and Government)					226
		Average Number of Workers per Unit (Business - Private and Government)					4
		Workers Per Commercial Unit	SLR 1	SLR 3	SLR 5	SLR 7	
e911 Commercial Unit Total	0	6	12	31			
Average Number of Workers/Jobs per Commercial Unit	N/A	26	53	136			