

BARRINGTON, 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.

BARRINGTON QUICK FACTS

16,310

2010 Census Population

44.1

2010 Census Median Age

\$103,937

2014 ACS Median Household Income

BARRINGTON'S OCCUPIED RESIDENTIAL UNITS & POPULATION ESTIMATES

Barrington is one of Rhode Island's 21 coastal communities, located south of East Providence and north of Warren, Rhode Island.

The Town of Barrington has an average household size of 2.67 (2010 Census). The average household size and percentage of occupied housing units were used to calculate a population estimate. Approximately 89-90% of the residential units located within

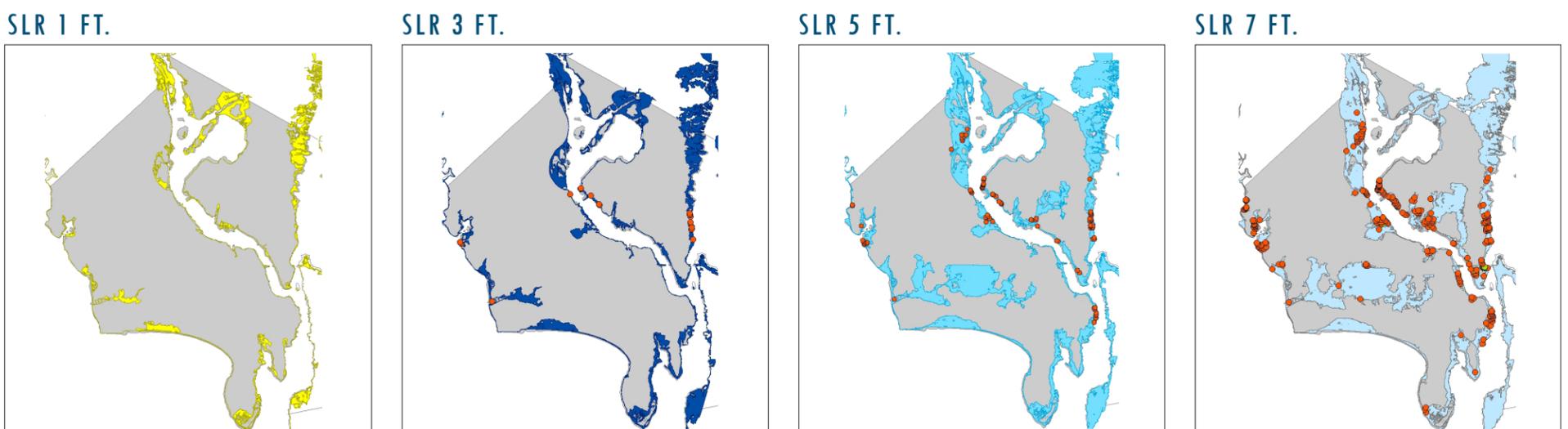
SLR inundation zones 3, 5 and 7 FT. are occupied units. Single family (SF) units and multi-family (MF) units were identified in GIS using the e-911 shapefile. The majority of the residential units located in the SLR inundation zones are single family units. There is a significant change between the estimated population located in the 3 and 5 FT. inundation zone, with an additional 158 people estimated in the 5 FT. inundation zone. The 7 FT. inundation zone has the greatest population and number of residential units, with over 650 people estimated within the zone and 244 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) Barrington Avg. HH Size)
1FT.	0	0	0
3FT.	19 SF	17 (89% occ. HU)	45
5FT.	85 SF	76 (89% occ. HU)	203
7FT.	255 SF, 8 MF	244 (90% occ. HU)	651



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

EST. POPULATION: 0
EST. OCCUPIED HOUSEHOLDS: 0

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

SLR 3

EST. POPULATION: 45
EST. OCCUPIED HOUSEHOLDS: 17

96% or 43 - White
0% - Black
0% - American Indian/Alaska Native
3% or 1 - Asian
1% or 1 - Hispanic
6% or 3 - Minority



SLR 5

EST. POPULATION: 203
EST. OCCUPIED HOUSEHOLDS: 76

95% or 192 - White
0.4% or 1 - Black
0% - American Indian/Alaska Native
3% or 6 - Asian
2% or 4 - Hispanic
7% or 14 - Minority



SLR 7

EST. POPULATION: 651
EST. OCCUPIED HOUSEHOLDS: 244

95% or 617 - White
0.4% or 2 - Black
0% - American Indian/Alaska Native
3% or 18 - Asian
2% or 13 - Hispanic
7% or 43 - Minority



RACE &
AGE

SOCIAL
CHARACTERISTICS



5% or 1 are Individuals with Disabilities

1% or 0.2 are Limited English Proficiency Households

4% or 1 are Unemployed

2% or 1 are Individuals Below Poverty Level

2% or 0.4 Households receive SSI

5% or 6 are Individuals with Disabilities

1% or 1 are Limited English Proficiency Households

4% or 6 are Unemployed

2% or 4 are Individuals Below Poverty Level

2% or 2 Households receive SSI

5% or 20 are Individuals with Disabilities

1% or 2 are Limited English Proficiency Households

4% or 20 are Unemployed

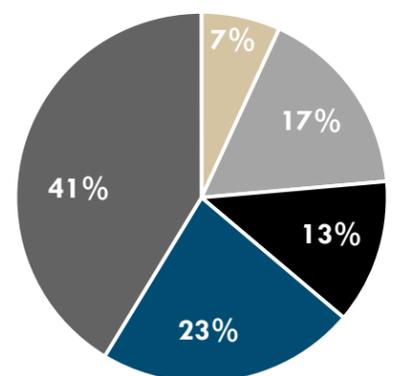
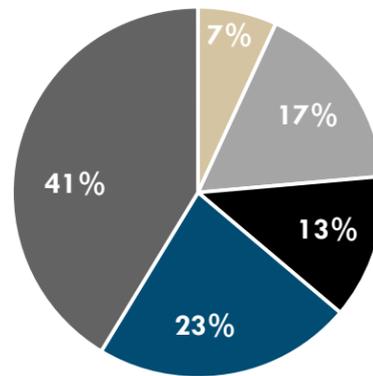
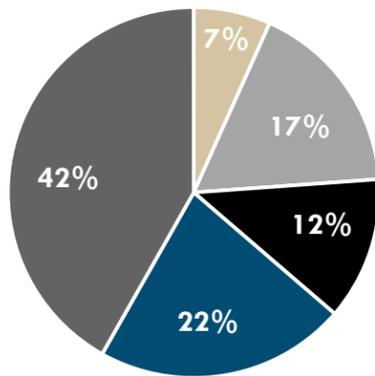
2% or 13 are Individuals Below Poverty Level

2% or 6 Households receive SSI

HOUSEHOLD
INCOME



- 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

HOUSEHOLD
CHARACTERISTICS



- Percent of Population in Housing Type

11% Renter Occupied
17% Owned Outright



10% Renter Occupied
17% Owned Outright



10% Renter Occupied
17% Owned Outright



BARRINGTON (3FT, 5FT, 7FT)*

*No Residential Units within 1FT SLR Scenario

		Sea Level Rise (SLR)				Count	
		SLR 3	SLR 3	SLR 5	SLR 5	SLR 7	
HOUSING UNITS & POPULATION	Variable Name					Count	
	e911 Housing Unit Total					SLR 7	
	Single Family (R1) Units	19		85		255	
	Multifamily (R2) Units with Calculation (*2)	0		0		8*2=16	
	Mobile Home (R3) Units	0		0		0	
	Total Units: Single Family (R1), Multifamily (R2), Mobile Home (R3)	19		85		271	
	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					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)	19	100%	85	100%	271	100%
Estimated Occupied Units - Count and Percentage	17	89%	76	89%	244	90%	
Population Calculation	SLR 3	SLR 3	SLR 5	SLR 5	SLR 7	SLR 7	
Estimated Occupied Units	17	100%	76	100%	244	100%	
Population Estimate= Occupied Units (x) Municipal Avg. Household Size (2.67)							
17*2.67=45 76*2.67=203 244*2.67=651							
DEMOGRAPHIC <small>Black Level and Black Group Data</small>	Race/Hispanic Ethnicity	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Population (in Occupied Housing Units)	45	100%	203	100%	651	100%
	White	43	96%	192	95%	617	95%
	Black or African American	0	0%	1	0.4%	2	0.4%
	American Indian and Alaska Native	0	0%	0	0%	0	0%
	Asian	1	3%	6	3%	18	3%
	Some Other Race	0	0%	1	1%	3	0.5%
	Hispanic	1	1%	4	2%	13	2%
	Non-Hispanic, White Population	42	94%	189	93%	608	93%
	Minority Population (Total Population minus Non-Hispanic, White Population)	3	6%	14	7%	43	7%
SOCIAL <small>Black Group Data</small>	Age	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Population (in Occupied Housing Units)	45	100%	203	100%	651	100%
	Young Children (<5)	2	4%	9	4%	28	4%
	School-Age Children (5-17)	10	23%	47	23%	150	23%
	Age 18-24	2	4%	9	5%	30	5%
	Age 25-44	7	16%	34	17%	112	17%
	Age 45-64	16	35%	70	35%	225	34%
	Age 65-74	4	9%	16	8%	52	8%
	Age ≥75	4	8%	17	9%	54	8%
	Population 16-64 (For Individuals with a disability variable) ⁺	27	60%	122	60%	391	60%
Population ≥25 (For educational attainment variable)	31	69%	138	68%	443	68%	
Population ≥16 (For employment variable) ⁺	34	76%	154	76%	495	76%	
Population ≥65 (For age ≥65 in group quarters variable) ⁺	8	17%	34	17%	106	16%	
ECONOMIC <small>Black 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)	27	100%	122	100%	391	100%
	Individuals with Disabilities	1	5%	6	5%	20	5%
	Limited English Proficiency (LEP)	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Estimated Occupied Housing Units	17	100%	76	100%	244	100%
	Limited English Proficiency Households	0.2	1%	1	1%	2	1%
	Educational Attainment	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Population (in Occupied Housing Units, age ≥25)	31	100%	138	100%	443	100%
	Less than a High School Diploma or Equivalent	1	3%	4	3%	14	3%
	High School Diploma or GED	4	13%	18	13%	57	13%
Professional School	3	10%	13	10%	43	10%	
Associate's/Bachelor's	11	36%	51	37%	162	37%	
Master's/PhD	8	27%	38	27%	121	27%	
Other (Some College)	3	11%	14	10%	46	10%	
HOUSING <small>Black Level and Black Group Data</small>	Employment	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Population (in Occupied Housing Units, age ≥16)	34	100%	154	100%	495	100%
	Employed	22	63%	97	63%	312	63%
	Unemployed	1	4%	6	4%	20	4%
	Job Industry ‡	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Population (age ≥16 and employed)	22	100%	97	100%	312	100%
	Agriculture, forestry, fishing & hunting, mining	0	0.2%	0	0.2%	0	0.2%
	Construction	1	2%	2	2%	8	2%
	Manufacturing	1	7%	7	7%	21	7%
	Wholesale trade	1	3%	3	3%	9	3%
Retail trade	2	9%	8	9%	27	9%	
Transportation & warehousing, utilities	0	1%	1	1%	5	1%	
Information	1	5%	4	5%	14	5%	
Finance & insurance, real estate, rental & leasing	2	9%	9	9%	29	9%	
Professional, scientific, management, administrative, waste management services	3	16%	15	16%	49	16%	
Educational services, health care, social assistance	7	33%	32	33%	104	33%	
Arts, entertainment, recreation, accommodation & food services	1	7%	7	7%	21	7%	
Other services (except public administration)	1	3%	3	3%	9	3%	
Public administration	1	5%	5	5%	15	5%	
JOBS <small>Municipal Data† & e911 Data</small>	Income	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Estimated Occupied Housing Units	17	100%	76	100%	244	100%
	Less than \$24,999K	1	7%	5	7%	17	7%
	\$25,000 to 49,999	3	17%	13	17%	41	17%
	\$50,000 to 74,999	2	12%	10	13%	31	13%
	\$75,000 to 124,999	4	22%	17	23%	55	23%
	\$125,000 and greater	7	42%	31	41%	101	41%
	Total Population (in Occupied Housing Units)	45	100%	203	100%	651	100%
	Income Below Poverty Level	1	2%	4	2%	13	2%
	Income Above Poverty Level	44	98%	199	98%	638	98%
Estimated Occupied Housing Units	17	100%	76	100%	244	100%	
With Social Security Income (SSI) Households	0.4	2%	2	2%	6	2%	
Without Social Security Income (SSI) Households	17	98%	74	98%	238	98%	
HOUSING <small>Black Level and Black Group Data</small>	Housing Occupancy	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Housing Units	19	100%	85	100%	271	100%
	Occupied Housing Units	17	89%	76	89%	244	90%
	Vacant Housing Units	2	11%	9	11%	27	10%
	Estimated Occupied Housing Units	17	100%	76	100%	244	100%
	Owner-Occupied Housing Units	14	83%	69	81%	211	78%
	Renter-Occupied Housing Units	3	17%	16	19%	60	22%
	Total Population (in Occupied Housing Units)	45	100%	203	100%	651	100%
	Population in Group Quarters	0.2	0.4%	1	0.3%	2	0.3%
	Total Population (age ≥65)	8	100%	34	100%	106	100%
Age ≥65 in Group Quarters ⁺	0.03	0.4%	0.1	0.4%	0.4	0.4%	
HOUSING <small>Black Level and Black Group Data</small>	Housing Tenure*	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
	Total Population (in Occupied Housing Units)	45	100%	203	100%	651	100%
	Populations in Property Owned with mortgage or loan	32	72%	147	73%	472	73%
	Populations in Property Owned free and clear	8	17%	35	17%	111	17%
	Population in Renter-Occupied Units	5	11%	21	10%	68	10%
	JOBS <small>Municipal Data† & e911 Data</small>	Employment and Business Unit Data‡					Count
		Average Employment - Municipality					2980
		Number of Units (Business - Private and Government)					467
		Average Number of Workers per Unit (Business - Private and Government)					6
		Workers Per Commercial Unit	SLR 1	SLR 3	SLR 5	SLR 7	
e911 Commercial Unit Total	0	1	5	7			
Average Number of Workers/Jobs per Commercial Unit	N/A	6	32	45			