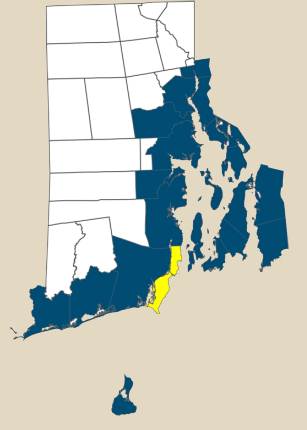


NARRAGANSETT, RI

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.

NARRAGANSETT QUICK FACTS

15,868

2010 Census Population

40.4

2010 Census Median Age

\$65,842

2014 ACS Median Household Income

NARRAGANSETT'S OCCUPIED RESIDENTIAL UNITS & POPULATION ESTIMATES

Narragansett is one of Rhode Island's 21 coastal communities, located east of South Kingstown and west of Jamestown, Rhode Island.

The Town of Narragansett has an average household size of 2.24 (2010 Census). The average household size and the percentage of occupied housing units were used to calculate a population estimate. Approximately 63-64% 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. A combination of single family, multi-family and mobile home residential units were identified throughout the various SLR inundation zones, the majority of which 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 143 people estimated in the 5 FT. zone. The 7 FT. inundation zone has the greatest population and number of residential units, with an estimated 620 people within the zone, and 277 occupied residential units.

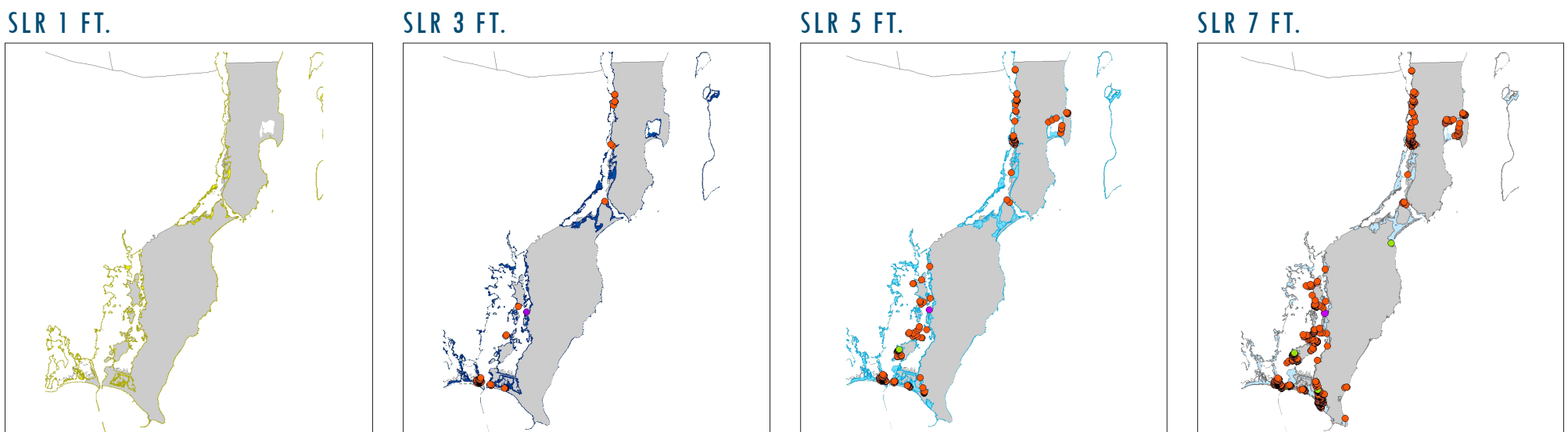
SLR Inundation zone	Residential Units	Occupied Unit calculation (Total Units (x) Occ. Housing Unit Rate in SLR zone)	Population calculation (Occupied Units (x) Narragansett Avg. HH Size)
1FT.	0	0	0
3FT.	55 SF, 1 Mobile	36 (64% occ. HU)	81
5FT.	147 SF, 5 MF, 1 Mobile	100 (63% occ. HU)	224
7FT.	406 SF, 14 MF, 1 Mobile	277 (64% occ. HU)	620

Beach Street, Narragansett, RI
September 2015 King Tide, Photo Courtesy of Mycoast.org, submitted by Julia Wyman



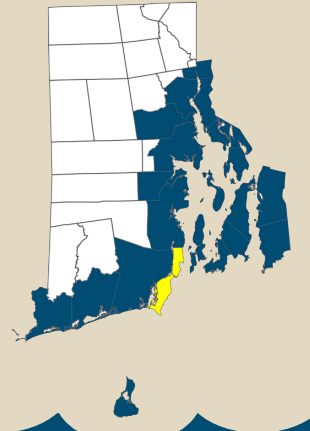
SLR INUNDATION ZONES

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. Purple points signify mobile home units.



NARRAGANSETT, RI

SOCIOECONOMICS OF SEA LEVEL RISE COASTAL FACTSHEET



SLR 1

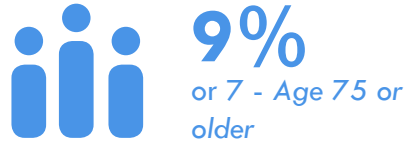
EST. POPULATION: 0
EST. OCCUPIED HOUSEHOLDS: 0

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: 81
EST. OCCUPIED HOUSEHOLDS: 36

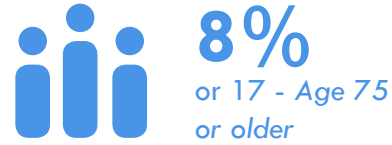
97% or 78 are White
1% or 1 are Black
0% are American Indian/
Alaska Native
1% or 1 are Asian
2% or 1 are Hispanic
4% or 4 are Minority



SLR 5

EST. POPULATION: 224
EST. OCCUPIED HOUSEHOLDS: 100

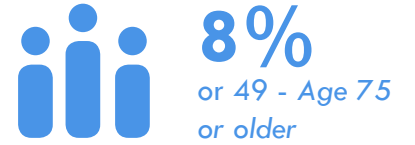
97% or 217 are White
1% or 2 are Black
0.4% or 1 are American
Indian/Alaska Native
1% or 2 are Asian
2% or 4 are Hispanic
4% or 10 are Minority



SLR 7

EST. POPULATION: 620
EST. OCCUPIED HOUSEHOLDS: 277

97% or 600 are White
1% or 4 are Black
0.4% or 2 are American
Indian/Alaska Native
1% or 5 are Asian
2% or 10 are Hispanic
4% or 27 are Minority



RACE &
AGE

SOCIAL
CHARACTERISTICS



3% or 2 are Individuals with Disabilities

0% are Limited English Proficiency Households

4% or 3 are Unemployed

16% or 13 are Individuals Below Poverty Level

2% or 1 Households receive SSI

3% or 5 are Individuals with Disabilities

0% are Limited English Proficiency Households

4% or 7 are Unemployed

16% or 42 are Individuals Below Poverty Level

2% or 2 Households receive SSI

3% or 13 are Individuals with Disabilities

0% are Limited English Proficiency Households

4% or 20 are Unemployed

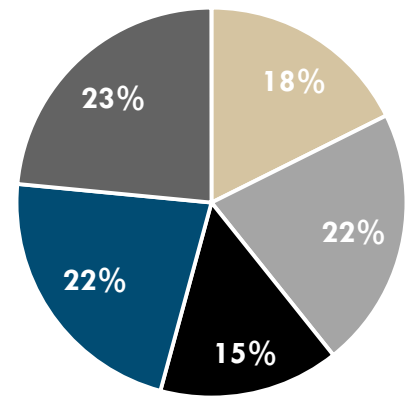
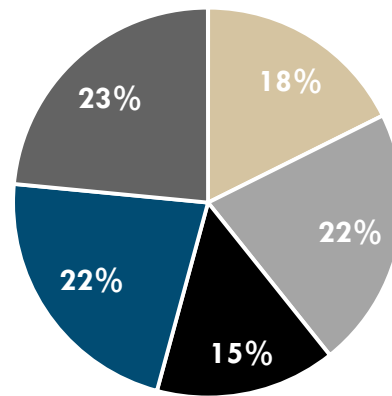
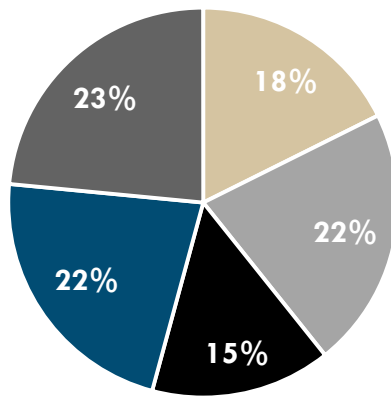
16% or 90 are Individuals Below Poverty Level

2% or 5 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

39% Renter Occupied
15% Owned Outright



46%
Owned with Mortgage/Loan

39% Renter Occupied
15% Owned Outright



46%
Owned with Mortgage/Loan

39% Renter Occupied
15% Owned Outright



46%
Owned with Mortgage/Loan

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

*No Residential Units within 1FT SLR Scenario

Variable Name	Sea Level Rise (SLR)				Count	
	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
e911 Housing Unit Total						
Single Family (R1) Units	55		147		406	
Multifamily (R2) Units with Calculation (*2)	0		5*2=10		14*2=28	
Mobile Home (R3) Units	1		1		1	
Total Units: Single Family (R1), Multifamily (R2), Mobile Home (R3)	56		158		435	
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)	56	100%	158	100%	435	100%
Estimated Occupied Units - Count and Percentage	36	64%	100	63%	277	64%
Population Calculation	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
Estimated Occupied Units	36	100%	100	100%	277	100%
Population Estimate= Occupied Units (x) Municipal Avg. Household Size (2.49)	36*2.24=81		100*2.24=224		277*2.24=620	
Race/Hispanic Ethnicity	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
Total Population (in Occupied Housing Units)	81	100%	224	100%	620	100%
White	78	97%	217	97%	600	97%
Black or African American	1	1%	2	1%	4	1%
American Indian and Alaska Native	0	0%	1	0.4%	2	0.4%
Asian	1	1%	2	1%	5	1%
Some Other Race	0	0%	1	0.3%	2	0.3%
Hispanic	1	2%	4	2%	10	2%
Non-Hispanic, White Population	77	96%	214	96%	593	96%
Minority Population (Total Population minus Non-Hispanic, White Population)	4	4%	10	4%	27	4%
Age	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
Total Population (in Occupied Housing Units)	81	100%	224	100%	620	100%
Young Children (<5)	2	3%	7	3%	20	3%
School-Age Children (5-17)	9	12%	26	12%	68	11%
Age 18-24	15	18%	42	19%	129	21%
Age 25-44	12	15%	36	16%	98	16%
Age 45-64	26	32%	70	31%	187	30%
Age 65-74	10	12%	26	11%	69	11%
Age ≥75	7	9%	17	8%	49	8%
Population 16-64 (For Individuals with a disability variable)†	56	69%	155	69%	430	69%
Population ≥25 (For educational attainment variable)	55	67%	149	66%	403	65%
Population ≥16 (For employment variable)†	71	88%	196	88%	544	88%
Population ≥65 (For age ≥65 in group quarters variable)†	17	20%	43	19%	118	19%
Disability	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
Total Population (in Occupied Housing Units, age 16-64)	56	100%	155	100%	430	100%
Individuals with a Disability	2	3%	5	3%	13	3%
Limited English Proficiency (LEP)	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
Estimated Occupied Housing Units	36	100%	100	100%	277	100%
Limited English Proficiency Households	0	0%	0	0%	0	0%
Educational Attainment	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
Total Population (in Occupied Housing Units, age ≥25)	55	100%	149	100%	403	100%
Less than a High School Diploma or Equivalent	2	3%	5	3%	14	3%
High School Diploma or GED	8	15%	23	15%	62	15%
Professional School	2	4%	6	4%	17	4%
Associate's/Bachelor's	22	40%	59	40%	161	40%
Master's/PhD	12	22%	33	22%	89	22%
Other (Some College)	8	15%	22	15%	59	15%
Employment	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
Total Population (in Occupied Housing Units, age ≥16)	71	100%	196	100%	544	100%
Employed	68	96%	189	96%	522	96%
Unemployed	3	4%	7	4%	20	4%
Job Industry ‡	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
Total Population (age ≥16 and employed)	68	100%	189	100%	522	100%
Agriculture, forestry, fishing & hunting, mining	1	1%	2	1%	7	1%
Construction	4	5%	10	5%	27	5%
Manufacturing	3	4%	8	4%	23	4%
Wholesale trade	1	1%	2	1%	4	1%
Retail trade	9	13%	25	13%	68	13%
Transportation & warehousing, utilities	2	3%	5	3%	15	3%
Information	1	1%	1	1%	4	1%
Finance & insurance, real estate, rental & leasing	4	6%	11	6%	31	6%
Professional, scientific, management, administrative, waste management services	8	11%	21	11%	58	11%
Educational services, health care, social assistance	19	28%	54	28%	149	28%
Arts, entertainment, recreation, accommodation & food services	13	19%	35	19%	98	19%
Other services (except public administration)	1	2%	3	2%	9	2%
Public administration	4	6%	11	6%	29	6%
Income	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
Estimated Occupied Housing Units	36	100%	100	100%	277	100%
Less than \$24,999K	6	18%	18	18%	49	18%
\$25,000 to 49,999	8	22%	22	22%	60	22%
\$50,000 to 74,999	5	15%	15	15%	41	15%
\$75,000 to 124,999	8	22%	22	22%	62	22%
\$125,000 and greater	8	23%	23	23%	65	23%
Total Population (in Occupied Housing Units)	81	100%	224	100%	620	100%
Income Below Poverty Level	13	16%	36	16%	99	16%
Income Above Poverty Level	68	84%	188	84%	521	84%
Estimated Occupied Housing Units	36	100%	100	100%	277	100%
With Social Security Income (SSI) Households	1	2%	2	2%	5	2%
Without Social Security Income (SSI) Households	35	98%	98	98%	272	98%
Housing Occupancy	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
Total Housing Units	56	100%	158	100%	435	100%
Occupied Housing Units	36	64%	100	63%	277	64%
Vacant Housing Units	20	36%	58	37%	158	36%
Estimated Occupied Housing Units	36	100%	100	100%	277	100%
Owner-Occupied Housing Units	15	75%	43	73%	112	71%
Renter-Occupied Housing Units	5	25%	15	27%	45	29%
Total Population (in Occupied Housing Units)	81	100%	224	100%	620	100%
Population in Group Quarters	0	0%	0	0%	0	0%
Total Population (age ≥65)	17	100%	43	100%	118	100%
Age ≥65 in Group Quarters†	0	0%	0	0%	0	0%
Housing Tenure*	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %
Total Population (in Occupied Housing Units)	81	100%	224	100%	620	100%
Population in Property Owned with mortgage or loan	37	46%	103	46%	286	46%
Population in Property Owned free and clear	12	15%	34	15%	93	15%
Population in Renter-Occupied Units	31	39%	87	39%	241	39%
Employment and Business Unit Data‡					Count	
Average Employment - Municipality					4639	
Number of Units (Business - Private and Government)					470	
Average Number of Workers per Unit (Business - Private and Government)					10	
Workers Per Commercial Unit	SLR 1	SLR 3	SLR 5	SLR 7		
e911 Commercial Unit Total	0	13	28	39		
Average Number of Workers/Jobs per Commercial Unit	N/A	128	276	385		

HOUSING UNITS & POPULATION

DEMOGRAPHIC
Block Level and Block Group Data

SOCIAL
Block Group Data

ECONOMIC
Block Group Data and Municipal Level Data

HOUSING
Block Level and Block Group Data

JOBS
Municipal Data† & e911 Data