

NORTH KINGSTOWN, 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.

NORTH KINGSTOWN QUICK FACTS

26,486

2010 Census Population

43.9

2010 Census Median Age

\$80,506

2014 ACS Median Household Income

NORTH KINGSTOWN'S COASTAL OCCUPIED RESIDENTIAL UNITS & POPULATION ESTIMATES

North Kingstown is one of Rhode Island's 21 coastal communities, located south of East Greenwich, and north of South Kingstown, Rhode Island.

North Kingstown has an average household size of 2.54 (2010 Census). The average household size and the percentage of occupied housing units were used to calculate a population estimate. Approximately 83-85% of the residential units located within SLR inundation zones 1, 3, 5 and 7 are occupied units.

Residential units were identified in GIS using the e-911 shapefile. A combination of single family and multi-family residential units were identified throughout the various SLR inundation zones, the majority of the units are single family. There is a significant change between the estimated population located in the 3 and the 5 FT. inundation zone, with an additional 175 people estimated in the 5 FT. zone. The 7 FT. inundation zone has the greatest population and number of residential units, with 564 people and 222 occupied residential units estimated within the zone.

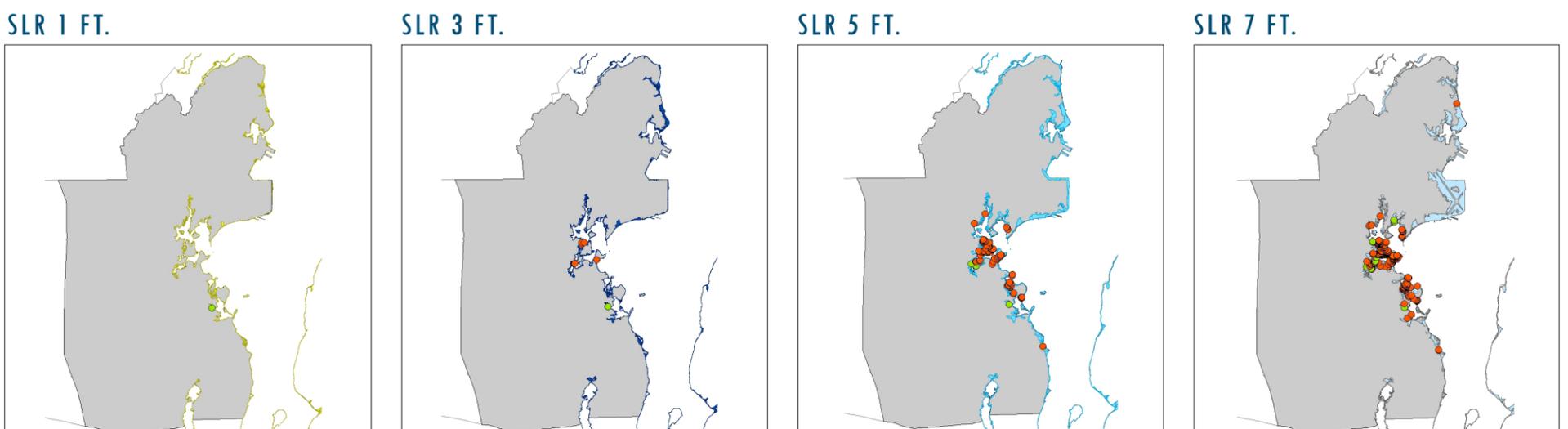
SLR Inundation zone	Residential Units	Occupied Unit calculation (Total Units (x) Occ. Housing Unit Rate in SLR zone)	Population calculation (Occupied Units (x) Newport Avg. HH Size)
1FT.	1 MF	2 (83% occ. HU)	5
3FT.	6 SF, 1 MF	7 (84% occ. HU)	18
5FT.	77 SF, 7 MF	76 (84% occ. HU)	193
7FT.	209 SF, 26 MF	222 (85% occ. HU)	564



Downtown Wickford, North Kingstown, RI
Sept. 2015 King Tide, Photo Courtesy of Mycoast.org,
submitted by Tom Kutcher

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.



NORTH KINGSTOWN, RI

SOCIOECONOMICS OF SEA LEVEL RISE COASTAL FACTSHEET



SLR 1

SLR 3

SLR 5

SLR 7

EST. POPULATION: 5
EST. OCCUPIED HOUSEHOLDS: 2

EST. POPULATION: 18
EST. OCCUPIED HOUSEHOLDS: 7

EST. POPULATION: 193
EST. OCCUPIED HOUSEHOLDS: 76

EST. POPULATION: 564
EST. OCCUPIED HOUSEHOLDS: 222

97% or 5 are White
0% are Black
0% are American Indian/
Alaska Native
1% or 0.1 are Asian
2% or 0.1 are Hispanic
5% or 0.2 are Minority

97% or 17 are White
0% are Black
0% are American Indian/
Alaska Native
1% or 0.2 are Asian
1% or 0.3 are Hispanic
4% or 1 are Minority

97% or 187 are White
0% - Black
0.4% or 1 are American
Indian/Alaska Native
1% or 2 are Asian
2% or 3 are Hispanic
4% or 8 are Minority

96% or 542 are White
1% or 3 are Black
0.4% or 2 are American
Indian/Alaska Native
1% or 5 are Asian
3% or 18 are Hispanic
5% or 30 are Minority



RACE & AGE

SOCIAL CHARACTERISTICS

HOUSEHOLD INCOME

HOUSEHOLD CHARACTERISTICS

8% or 0.2 are Individuals with Disabilities

8% or 1 are Individuals with Disabilities

9% or 11 are Individuals with Disabilities

9% or 33 are Individuals with Disabilities

1% or 0.02 are Limited English Proficiency Households

1% or 0.1 are Limited English Proficiency Households

1% or 1 are Limited English Proficiency Households

1% or 2 are Limited English Proficiency Households

8% or 0.3 are Unemployed

8% or 1 are Unemployed

8% or 13 are Unemployed

8% or 37 are Unemployed

7% or 0.4 are Individuals Below Poverty Level

7% or 1 are Individuals Below Poverty Level

7% or 14 are Individuals Below Poverty Level

7% or 42 are Individuals Below Poverty Level

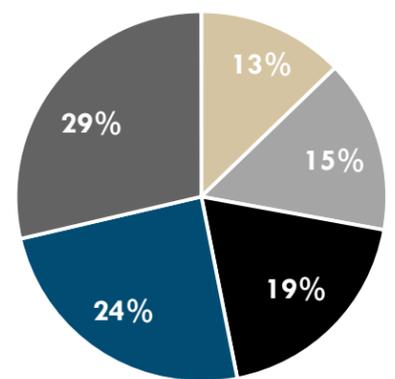
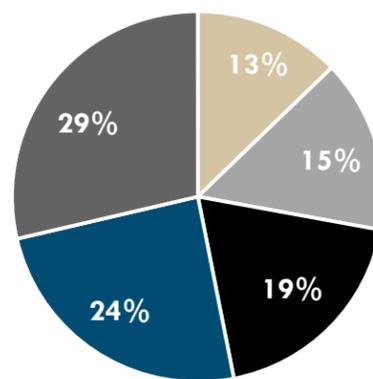
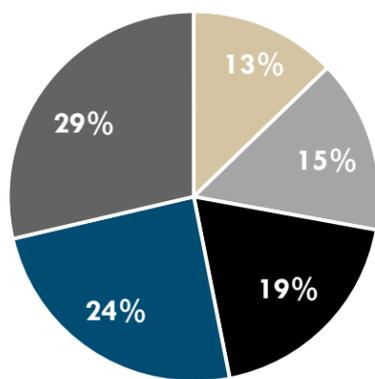
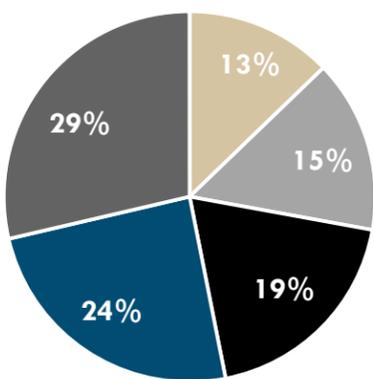
4% or 0.1 Households receive SSI

4% or 0.3 Households receive SSI

4% or 3 Households receive SSI

4% or 9 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

22% Renter Occupied
17% Owned Outright



61%
Owned with
Mortgage/Loan

61%
Owned with
Mortgage/Loan

61%
Owned with
Mortgage/Loan

61%
Owned with
Mortgage/Loan

NORTH KINGSTOWN

Variable Name	Sea Level Rise (SLR)							Count		
	SLR 1	SLR 3	SLR 5	SLR 7	SLR 9	SLR 11	SLR 13			
e911 Housing Unit Total								SLR 7		
Single Family (R1) Units	0	6	77				209			
Multifamily (R2) Units with Calculation (*2)	1*2=2	1*2=2	7*2=14				26*2=52			
Mobile Home (R3) Units	0	0	0				0			
Total Units: Single Family (R1), Multifamily (R2), Mobile Home (R3)	2	8	91				261			
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 1	SLR 1 %	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %		
Total Units: Single Family (R1), Multifamily (R2), Mobile Home (R3)	2	100%	8	100%	91	100%	261	100%		
Estimated Occupied Units - Count and Percentage	2	83%	7	84%	76	84%	222	85%		
Population Calculation	SLR 1		SLR 3		SLR 5		SLR 7			
Estimated Occupied Units	2	100%	7	100%	76	100%	222	100%		
Population Estimate= Occupied Units (x) Municipal Avg. Household Size (2.54)	2*2.54=5		7*2.54=18		76*2.54=193		222*2.54=564			
Race/Hispanic Ethnicity	SLR 1	SLR 1 %	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %		
Total Population (in Occupied Housing Units)	5	100%	18	100%	193	100%	564	100%		
White	5	97%	17	97%	187	97%	542	96%		
Black or African American	0	0%	0	0%	0	0%	3	1%		
American Indian and Alaska Native	0	0%	0	0%	1	0.4%	2	0.4%		
Asian	0.1	1%	0.2	1%	2	1%	5	1%		
Some Other Race	0	0%	0	0%	1	0.3%	2	0.3%		
Hispanic	0.1	2%	0.3	1%	3	2%	18	3%		
Non-Hispanic, White Population	5	95%	17	96%	185	96%	534	95%		
Minority Population (Total Population minus Non-Hispanic, White Population)	0.2	5%	1	4%	8	4%	30	5%		
Age	SLR 1	SLR 1 %	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %		
Total Population (in Occupied Housing Units)	5	100%	18	100%	193	100%	564	100%		
Young Children (<5)	0	3%	1	3%	7	4%	22	4%		
School-Age Children (5-17)	1	12%	2	12%	26	13%	81	14%		
Age 18-24	0	5%	1	5%	9	5%	27	5%		
Age 25-44	1	18%	3	18%	35	18%	102	18%		
Age 45-64	2	40%	7	40%	77	40%	221	39%		
Age 65-74	1	14%	2	13%	24	12%	66	12%		
Age ≥75	0.5	9%	2	9%	16	8%	45	8%		
Population 16-64 (For Individuals with a disability variable) ⁺	3	65%	12	65%	125	65%	366	65%		
Population ≥25 (For educational attainment variable)	4	80%	14	80%	151	78%	434	77%		
Population ≥16 (For employment variable) ⁺	4	80%	14	80%	154	80%	451	80%		
Population ≥65 (For age ≥65 in group quarters variable) ⁺	1	23%	4	22%	40	21%	111	20%		
Disability	SLR 1	SLR 1 %	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %		
Total Population (in Occupied Housing Units, age 16-64)	3	100%	12	100%	125	100%	366	100%		
Individuals with Disabilities	0.2	8%	1	8%	11	9%	33	9%		
Limited English Proficiency (LEP)	SLR 1	SLR 1 %	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %		
Estimated Occupied Housing Units	2	100%	7	100%	76	100%	222	100%		
Limited English Proficiency Households	0.02	1%	0.1	1%	1	1%	2	1%		
Educational Attainment	SLR 1	SLR 1 %	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %		
Total Population (in Occupied Housing Units, age ≥25)	4	100%	14	100%	151	100%	434	100%		
Less than a High School Diploma or Equivalent	0.2	4%	1	4%	7	4%	19	4%		
High School Diploma or GED	1	16%	2	16%	24	16%	69	16%		
Professional School	0.1	3%	0.4	3%	5	3%	13	3%		
Associate's/Bachelor's	2	40%	6	40%	61	40%	175	40%		
Master's/PhD	1	21%	3	21%	31	21%	89	21%		
Other (Some College)	1	16%	2	16%	24	16%	68	16%		
Employment	SLR 1	SLR 1 %	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %		
Total Population (in Occupied Housing Units, age ≥16)	4	100%	14	100%	154	100%	451	100%		
Employed	4	91%	13	91%	141	91%	410	91%		
Unemployed	0.3	8%	1	8%	13	8%	37	8%		
Job Industry ‡	SLR 1	SLR 1 %	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %		
Total Population (age ≥16 and employed)	4	100%	13	100%	141	100%	410	100%		
Agriculture, forestry, fishing & hunting, mining	0.04	1%	0.1	1%	2	1%	5	1%		
Construction	0.2	4%	1	4%	6	4%	18	4%		
Manufacturing	0.4	11%	1	11%	15	11%	44	11%		
Wholesale trade	0.1	2%	0.3	2%	3	2%	9	2%		
Retail trade	0.3	9%	1	9%	13	9%	38	9%		
Transportation & warehousing, utilities	0.1	3%	0.4	3%	5	3%	14	3%		
Information	0.04	1%	0.2	1%	2	1%	4	1%		
Finance & insurance, real estate, rental & leasing	0.4	10%	1	10%	14	10%	42	10%		
Professional, scientific, management, administrative, waste management services	0.4	11%	1	11%	16	11%	46	11%		
Educational services, health care, social assistance	1	28%	4	28%	40	28%	117	28%		
Arts, entertainment, recreation, accommodation & food services	0.3	9%	1	9%	13	9%	37	9%		
Other services (except public administration)	0.1	3%	0.4	3%	5	3%	14	3%		
Public administration	0.2	6%	1	6%	8	6%	23	6%		
Income	SLR 1	SLR 1 %	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %		
Estimated Occupied Housing Units	2	100%	7	100%	76	100%	222	100%		
Less than \$24,999K	0.3	13%	1	13%	10	13%	28	13%		
\$25,000 to 49,999	0.3	15%	1	15%	11	15%	34	15%		
\$50,000 to 74,999	0.4	19%	1	19%	14	19%	42	19%		
\$75,000 to 124,999	0.5	24%	2	24%	19	24%	54	24%		
\$125,000 and greater	1	29%	2	29%	22	29%	64	29%		
Total Population (in Occupied Housing Units)	5	100%	18	100%	193	100%	564	100%		
Income Below Poverty Level	0.4	7%	1	7%	14	7%	42	7%		
Income Above Poverty Level	5	93%	17	93%	179	93%	522	93%		
Estimated Occupied Housing Units	SLR 1	SLR 1 %	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %		
Total Population (in Occupied Housing Units)	2	100%	7	100%	76	100%	222	100%		
With Social Security Income (SSI) Households	0.1	4%	0.3	4%	3	4%	9	4%		
Without Social Security Income (SSI) Households	2	96%	7	96%	73	96%	213	96%		
Housing Occupancy	SLR 1	SLR 1 %	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %		
Total Housing Units	2	100%	8	100%	91	100%	261	100%		
Occupied Housing Units	2	83%	7	84%	76	84%	222	85%		
Vacant Housing Units	0.3	17%	1	16%	15	16%	39	15%		
Estimated Occupied Housing Units	2	100%	7	100%	76	100%	222	100%		
Owner-Occupied Housing Units	1	74%	5	75%	58	76%	161	73%		
Renter-Occupied Housing Units	0	26%	2	25%	18	24%	61	27%		
Total Population (in Occupied Housing Units)	5	100%	18	100%	193	100%	564	100%		
Population in Group Quarters	0	0%	0	0%	0	0%	1	0.1%		
Total Population (age ≥65)	1	100%	4	100%	40	100%	111	100%		
Age ≥65 in Group Quarters ⁺	0.02	1%	0.1	1%	1	1%	2	1%		
Housing Tenure*	SLR 1	SLR 1 %	SLR 3	SLR 3 %	SLR 5	SLR 5 %	SLR 7	SLR 7 %		
Total Population (in Occupied Housing Units)	5	100%	18	100%	193	100%	564	100%		
Population in Property Owned with mortgage or loan	3	61%	11	61%	118	61%	345	61%		
Population in Property Owned free and clear	1	17%	3	17%	32	17%	94	17%		
Population in Renter-Occupied Units	1	22%	4	22%	43	22%	125	22%		
Employment and Business Unit Data‡								Count		
Average Employment - Municipality								16611		
Number of Units (Business - Private and Government)								978		
Average Number of Workers per Unit (Business - Private and Government)								17		
Workers Per Commercial Unit								SLR 3	SLR 5	SLR 7
e911 Commercial Unit Total								9	42	65
Average Number of Workers/Jobs per Commercial Unit								153	713	1104

HOUSING UNITS & POPULATION

DEMOGRAPHIC

SOCIAL

ECONOMIC

HOUSING

JOBS

Block Level and Block Group Data

Block Group Data

Block Group Data and Municipal Level Data†

Block Level and Block Group Data

Municipal Data‡ & e911 Data