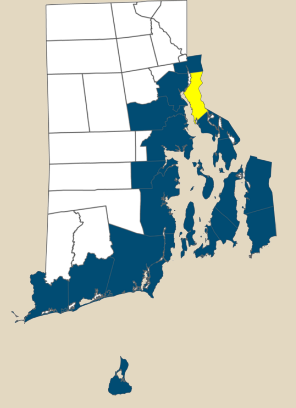


EAST PROVIDENCE, RI

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.

EAST PROVIDENCE QUICK FACTS

47,037

2010 Census Population

42.6

2010 Census Median Age

\$51,077

2014 ACS Median Household Income

EAST PROVIDENCE'S OCCUPIED RESIDENTIAL UNITS & POPULATION ESTIMATES

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

The City of East Providence has an average household size of 2.33 (2010 Census). The average household size and the percentage of occupied housing units were used to calculate a population estimate. There is an occupancy rate of 85% among the residential units located within the 7 FT. SLR inundation zone.

Residential units were identified in GIS using the e-911 shapefile. The 7 FT. inundation zone is the only scenario with residential units and contains an estimated four single family units and 9 people within the zone.

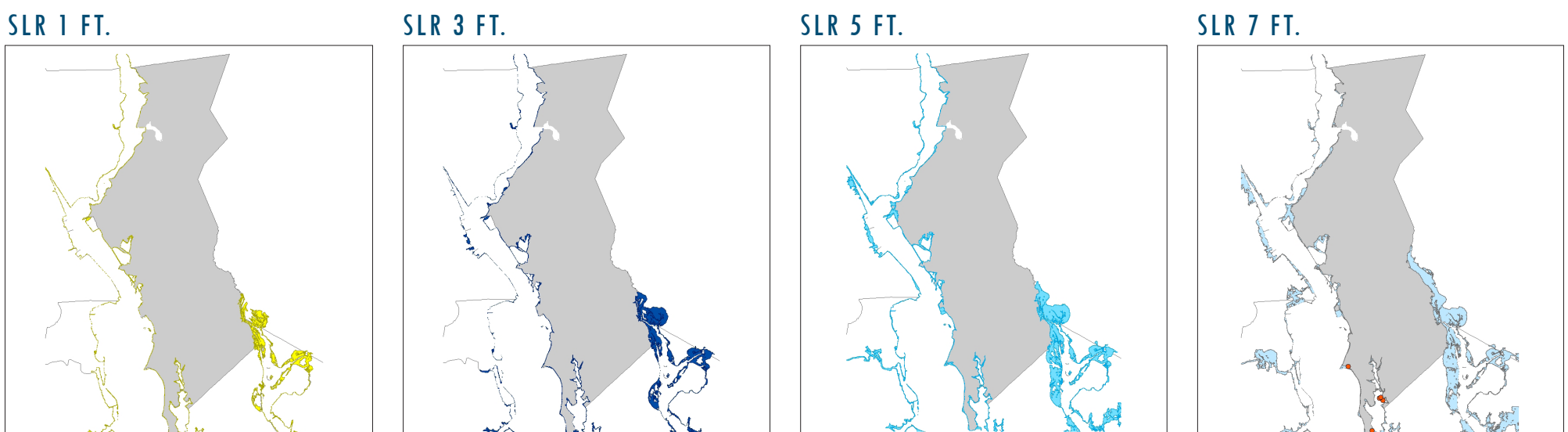
SLR Inundation zone	Residential Units	Occupied Unit calculation (Total Units (x) Occ. Housing Unit Rate in SLR zone)	Population calculation (Occupied Units (x) East Providence Avg. HH Size)
1FT.	0	0	0
3FT.	0	0	0
5FT.	0	0	0
7FT.	5 SF	4 (85% occ. HU)	9

Bold Point, East Providence, RI
September 2015 King Tide, Photo Courtesy of Mycoast.org,
submitted by Rachel Calabro



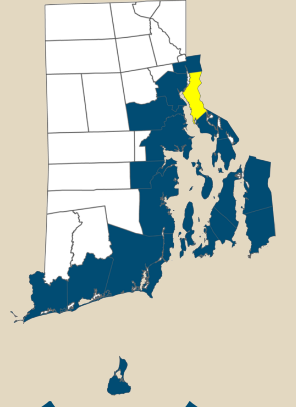
SLR INUNDATION ZONES

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.



EAST PROVIDENCE, RI

SOCIOECONOMICS OF SEA LEVEL RISE COASTAL FACTSHEET



SLR 1, 3 & 5

EST. POPULATION: 0
EST. OCCUPIED HOUSEHOLDS: 0

There were zero residential units located within the e-911 dataset in the 1, 3 and 5 FT. SLR inundation scenarios. Please note, a zero value does not imply that zero people or structures will be impacted in the aforementioned scenarios.



Pier Road, East Providence, RI
October 2011 King Tide, Photo Courtesy of Mycoast.org, submitted by Pam Rubinoff



Crescent Park - Riverside, East Providence, RI
May 2016 King Tide, Photo Courtesy of Mycoast.org, submitted by Arthur Lusgnani

SLR 7

EST. POPULATION: 9
EST. OCCUPIED HOUSEHOLDS: 4

90% or 8 - White
4% or 0.3 - Black
0% - American Indian/Alaska Native
1% or 0.1 - Asian
3% or 0.3 - Hispanic
12% or 1 - Minority

 **17%**
or 2 - Age 75 or older

13% or 1 are *Individuals with Disabilities*

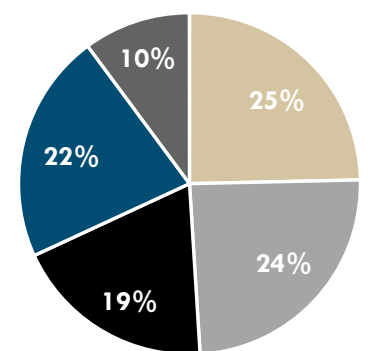
5% or 0.2 are *Limited English Proficiency Households*

10% or 1 are *Unemployed*

13% or 1 are *Individuals Below Poverty Level*

8% or 0.3 *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

35% **Renter Occupied**

14% **Owned Outright**



52%
Owned with Mortgage/Loan

RACE &
AGE

SOCIAL
CHARACTERISTICS

HOUSEHOLD
INCOME

HOUSEHOLD
CHARACTERISTICS

EAST PROVIDENCE (7FT)*

*No Residential Units within 1FT, 3FT or 5FT SLR Scenario

Sea Level Rise (SLR)

		Count			
Variable Name		SLR 7	SLR 7	%	
HOUSING UNITS & POPULATION	e911 Housing Unit Total	5	5	100%	
	Single Family (R1) Units	0	0	0%	
	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)	5	5	100%	
	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	5	5	100%	
	Total Units: Single Family (R1), Multifamily (R2), Mobile Home (R3)	5	5	100%	
	Estimated Occupied Units - Count and Percentage	4	4	85%	
Population Calculation		SLR 7			
Estimated Occupied Units	4	4	100%		
Population Estimate = Occupied Units (x) Municipal Avg. Household Size (2.33)		4*2.33=9			
DEMOGRAPHIC <small>Block Level and Block Group Data</small>	Race/Hispanic Ethnicity		SLR 7	SLR 7 %	
	Total Population (in Occupied Housing Units)	9	9	100%	
	White	8	8	90%	
	Black or African American	0.3	0.3	4%	
	American Indian and Alaska Native	0	0	0%	
	Asian	0.1	0.1	1%	
	Some Other Race	0.1	0.1	2%	
	Hispanic	0.3	0.3	3%	
	Non-Hispanic, White Population	8	8	88%	
	Minority Population (Total Population minus Non-Hispanic, White Population)	1	1	12%	
	Age		SLR 7	SLR 7 %	
	Total Population (in Occupied Housing Units)	9	9	100%	
	Young Children (<5)	0.3	0.3	4%	
	School-Age Children (5-17)	1	1	13%	
	Age 18-24	1	1	6%	
	Age 25-44	2	2	20%	
	Age 45-64	3	3	32%	
	Age 65-74	1	1	8%	
	Age ≥75	2	2	17%	
	Population 16-64 (For Individuals with a disability variable) [†]	6	6	64%	
Population ≥25 (For educational attainment variable)	7	7	77%		
Population ≥16 (For employment variable) [†]	7	7	82%		
Population ≥65 (For age ≥65 in group quarters variable) [†]	1	1	16%		
SOCIAL <small>Block Group Data</small>	Disability		SLR 7	SLR 7 %	
	Total Population (in Occupied Housing Units, age 16-64)	6	6	100%	
	Individuals with a Disability	1	1	13%	
	Limited English Proficiency (LEP)		SLR 7	SLR 7 %	
	Estimated Occupied Housing Units	4	4	100%	
	Limited English Proficiency Households	0.2	0.2	5%	
	Educational Attainment		SLR 7	SLR 7 %	
	Total Population (in Occupied Housing Units, age ≥25)	7	7	100%	
	Less than a High School Diploma or Equivalent	1	1	18%	
	High School Diploma or GED	2	2	28%	
	Professional School	0.1	0.1	1%	
	Associate's/Bachelor's	2	2	24%	
	Master's/PhD	1	1	7%	
	Other (Some College)	1	1	21%	
	ECONOMIC <small>Block Group Data and Municipal Level Data</small>	Employment		SLR 7	SLR 7 %
Total Population (in Occupied Housing Units, age ≥16)		7	7	100%	
Employed		7	7	90%	
Unemployed		1	1	10%	
Job Industry ‡		SLR 7	SLR 7 %		
Total Population (age ≥16 and employed)		7	7	100%	
Agriculture, forestry, fishing & hunting, mining		0	0	0%	
Construction		0.1	0.1	2%	
Manufacturing		0.1	0.1	9%	
Wholesale trade		0.03	0.03	2%	
Retail trade		0.1	0.1	11%	
Transportation & warehousing, utilities		0.04	0.04	2%	
Information		0.02	0.02	2%	
Finance & insurance, real estate, rental & leasing		0.1	0.1	14%	
Professional, scientific, management, administrative, waste management services		0.1	0.1	14%	
Educational services, health care, social assistance		0.3	0.3	31%	
Arts, entertainment, recreation, accommodation & food services		0.1	0.1	8%	
Other services (except public administration)		0.04	0.04	3%	
Public administration		0.03	0.03	3%	
Income		SLR 7	SLR 7 %		
Estimated Occupied Housing Units		4	4	100%	
Less than \$24,999K		1	1	25%	
\$25,000 to 49,999		1	1	24%	
\$50,000 to 74,999		1	1	19%	
\$75,000 to 124,999		1	1	22%	
\$125,000 and greater	0.4	0.4	10%		
Total Population (in Occupied Housing Units)	9	9	100%		
Income Below Poverty Level	1	1	13%		
Income Above Poverty Level	8	8	87%		
Estimated Occupied Housing Units	4	4	100%		
With Social Security Income (SSI) Households	0.3	0.3	8%		
Without Social Security Income (SSI) Households	4	4	92%		
HOUSING <small>Block Level and Block Group Data</small>	Housing Occupancy		SLR 7	SLR 7 %	
	Total Housing Units	5	5	100%	
	Occupied Housing Units	4	4	85%	
	Vacant Housing Units	1	1	15%	
	Estimated Occupied Housing Units	4	4	100%	
	Owner-Occupied Housing Units	1	1	34%	
	Renter-Occupied Housing Units	3	3	66%	
	Total Population (in Occupied Housing Units)	9	9	100%	
	Population in Group Quarters	1	1	7%	
	Total Population (age ≥65)	1	1	100%	
	Age ≥65 in Group Quarters [†]	0.2	0.2	11%	
	Housing Tenure[†]		SLR 7	SLR 7 %	
	Total Population (in Occupied Housing Units)	9	9	100%	
	Population in Property Owned with mortgage or loan	5	5	52%	
	Population in Property Owned free and clear	1	1	14%	
Population in Renter-Occupied Units	3	3	35%		
JOBS <small>Municipal Data[†] & e911 Data</small>	Employment and Business Unit Data[‡]		Count		
	Average Employment - Municipality	20603			
	Number of Units (Business - Private and Government)	1471			
	Average Number of Workers per Unit (Business - Private and Government)	14			
	Workers Per Commercial Unit		SLR 7		
e911 Commercial Unit Total	4				
Average Number of Workers/Jobs per Commercial Unit	56				