



2040 Long Range Transportation Plan

Environmental Justice Analysis



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Overview

Executive Order 12898 (1994), Federal Actions to Address Environmental Justice in Minority and Low-Income Populations, reinforces Title VI of the 1964 Civil Right Act. Signed by President Clinton, the Order states “each Federal agency shall make achieving Environmental Justice part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low-income populations.” Other relevant legislation includes: The National Environmental Policy Act (1969) (NEPA); Section 109 (h) of Title 23; The Uniform Relocation Assistance and Real Property Acquisition Policies Act (1970) (URA); The Transportation Equity Act for the 21st Century (TEA-21); and other U.S. Department of Transportation (DOT) statutes and regulations.

On May 2, 2012, the USDOT issued an update to Departmental Order 5610.2(a). The Order states the purpose and authority of Environmental Justice policy, as well as data collection and analysis methods associated with Environmental Justice. The result of the past 47 years of Civil Rights related regulations, statutes, policies, technical advisories, and Executive Orders, is that nondiscrimination provisions apply to all programs and activities of Federal-aid recipients, sub recipients, and contractors.

Requirements of all the aforementioned statutes, orders, and regulations shall be administered so as to identify, early in the development of the program, policy, or activity, the risk of discrimination and disproportionately high and adverse effects so that positive corrective action can be taken. In implementing these requirements, the following data and information should be obtained where relevant, appropriate, and practical:

- Population served and/or affected by race, color, or national origin, and income level.
- Proposed steps to guard against disproportionately high and adverse effects on person on the basis of race, color, or national origin, and income level.
- Present and proposed membership by race, color, or national origin, in any planning or advisory body that is part of the program, policy, or activity.

Statutes governing operations will be administered in a manner that identifies and avoids discrimination and disproportionately high adverse effects on minority population and low-income populations by:

- Identifying and evaluating environmental, public health, and interrelated social and economic effects of DOT program, policies, and activities.
- Proposing measures to avoid, minimize and/or mitigate disproportionately high and adverse environmental and public health effects and interrelated social and economic effects, and providing offsetting benefits and opportunities to enhance communities, neighborhoods, and individuals affected by programs, policies, and activities, where permitted by law and that are consistent with Executive Order 12898 (1994).

- Considering alternatives to proposed programs, policies, and activities, where such alternatives would result in avoiding and/or minimizing disproportionately high and adverse human health impacts, consistent with Executive Order 12898 (1994).
- Eliciting public involvement opportunities and considering the results thereof, including soliciting input from affected minority and low-income populations in considering alternatives.

Transportation planning decisions both directly and indirectly influence the health of people and the environment. Decision-making and policy implementation affect air and water quality, noise, and inter/intra-neighborhood connections. This element of the 2040 Long Range Transportation Plan (LRTP) identifies Environmental Justice populations and their locations within the River to Sea Transportation Planning Organization's (TPO) Metropolitan Planning Area (MPA). The River to Sea TPO is the organization responsible for the planning and programming of all Federal and State transportation funds within the MPA coverage area. Further, the River to Sea TPO is the "primary forum within which member local governments and citizens voice concerns, identify priorities and plan for transportation improvements." Therefore, it is critical that the agency adopt and practice planning strategies that align with the principles of Environmental Justice. These principles are:

- To avoid, minimize, or mitigate disproportionately high and adverse human health and environmental effects, including social and economic effects, on minority populations and low-income populations.
- To ensure the full and fair participation by all potentially affected communities in the transportation decision making process.
- To prevent the denial of, reduction in, or significant delay in the receipt of benefits by minority and low-income populations.

An environmental Justice approach to transportation planning and project development recognizes the fair treatment of all groups within the community. This includes ensuring the involvement of the entire community in public outreach and participation efforts. The DOT is the lead agency charged with ensuring non-discrimination stemming from Environmental Justice issues, related to transportation planning. The statutory language of DOT Order 5610.2(a) focuses on minority and low-income populations. However, this 2040 LRTP recognizes the need to consider all affected populations when making responsible planning decisions, including those who are elderly and those without access to a personal vehicle. Steps shall be taken to provide the public, including members of minority populations and low-income populations, access to public information relevant to human health or environmental impacts stemming from programs, policies, and activities, including information that will address the concerns of minority and low-income populations regarding the health and environmental impacts of the proposed action.

Review and Comparison of Available Data

The River to Sea TPO MPA includes Volusia County and southeastern portions of Flagler County, including Bunnell, Flagler Beach and Palm Coast. A survey of the River to Sea TPO MPA built environment shows population centers in the east and west, separated by wetlands and rural land uses in the center of the MPA. Table 1 displays population characteristics for Volusia and Flagler County communities within the MPA based upon data gathered from the 2010 US Census, 2012 American Community Survey (ACS), and 2013 Bureau of Economic and Business Research (BEBR).

- A majority of the population centers within the River to Sea TPO MPA witnessed population growth during the selected time periods.
- The most significant growth, in terms of absolute values, occurred in Palm Coast (1,888), DeLand (1,405), Port Orange (1,012) and Orange City (738). Decreases in population occurred in Beverly Beach (-3), Edgewater (-13), Holly Hill (-27) and Pierson (-48).
- If measured in terms of percentages, Orange City (+6.51%) and DeLand (+4.94%) experienced the River to Sea TPO MPAs greatest growth rate, while Pierson witnessed the greatest decline in population growth rate (-2.84%).

Population Density

An important element of Environmental Justice analysis is the consideration of population density. Population density is the number of people per unit of defined measurement. By mapping the population density of the River to Sea TPO MPA, a baseline is established for detailing and comparing Environmental Justice populations. The River to Sea TPO MPA is comprised of varying residential densities reflecting the diverse land use and character of development throughout the MPA.

- The average population density within the River to Sea TPO MPA is 3.02 persons/acre as compared to the Florida statewide average of 0.44 persons/acre.
- The River to Sea TPO MPA population centers are generally located in the north, east, and west quadrants of the MPA.
- The remainder of the River to Sea TPO MPA is typically rural and population density figures are more comparable to the State of Florida average.
- The highest densities of population within the River to Sea TPO MPA are located in, or in close proximity to: Deltona; DeLand; Holly Hill; Daytona Beach Shores; Daytona Beach; Port Orange; Ormond Beach; Edgewater; and Palm Coast.
- In the western part of the MPA, areas to the east of Interstate-4 (I-4) and surrounding Saxon Boulevard in Deltona average between 6 and 9.7 persons/acre.
- High population densities in the western portion of the MPA are also found north of DeLand, along the US Highway (US) 17/92 and State Road (SR) 44 corridor.
- Some of the largest and most dense population centers in the MPA are found east of I-95, from Ormond Beach to south of Port Orange.

Table 1: River to Sea TPO MPA Population Data

Location	2013 BEBR Estimate	2010 Census	Total Change	Percent Change	2012 ACS 5-Year Est.	Margin of Error
Flagler County						
Beverly Beach	335	338	-3	-0.89%	416	+/- 131
Bunnell	2,686	2,676	10	0.37%	2,734	+/- 17
Flagler Beach	4,450	4,424	26	0.58%	4,606	+/- 41
Palm Coast	77,068	75,180	1,888	2.44%	75,143	+/- 45
Unincorporated	13,301	13,062	239	1.79%	-	-
Flagler County Total	97,840	95,680	2,160	2.21%	82,899	-
Volusia County						
Daytona Beach	61,998	61,005	993	1.6%	61,779	+/- 52
Daytona Beach Shores	4,292	4,247	45	1.04	4,275	+/- 16
DeBary	19,363	19,320	43	0.22%	19,246	+/- 37
DeLand	28,436	27,031	1,405	4.94%	27,013	+/- 41
Deltona	85,469	85,182	287	0.33%	84,973	+/- 36
Edgewater	20,737	20,750	-13	-0.06%	20,796	+/- 25
Holly Hill	11,632	11,659	-27	-0.23%	11,730	+/- 35
Lake Helen	2,630	2,624	6	0.22%	2,638	+/- 28
New Smyrna Beach	23,119	22,464	655	2.83%	22,658	+/- 48
Oak Hill	1,828	1,792	36	1.96%	1,918	+/- 382
Orange City	11,337	10,599	738	6.51%	10,653	+/- 27
Ormond Beach	38,557	38,137	420	1.08%	38,372	+/- 44
Pierson	1,688	1,736	-48	-2.84%	1,712	+/-320
Ponce Inlet	3,041	3,032	9	0.29%	3,034	+/-19
Port Orange	57,060	56,048	1,012	1.77%	56,242	+/- 37
South Daytona	12,431	12,252	179	1.43%	12,388	+/- 28
Unincorporated Volusia County	115,300	116,655	-1,355	-1.17%	-	-
Volusia County Total	498,918	494,533	4,385	0.88%	379,427	-
MPA TOTAL						
MPA TOTAL	596,758	590,213	6,545	1.1%	462,326	-

Source 2010 US Census, 2012 American Community Survey (ACS), & 2013 Bureau of Economic and Business Research (BEBR)

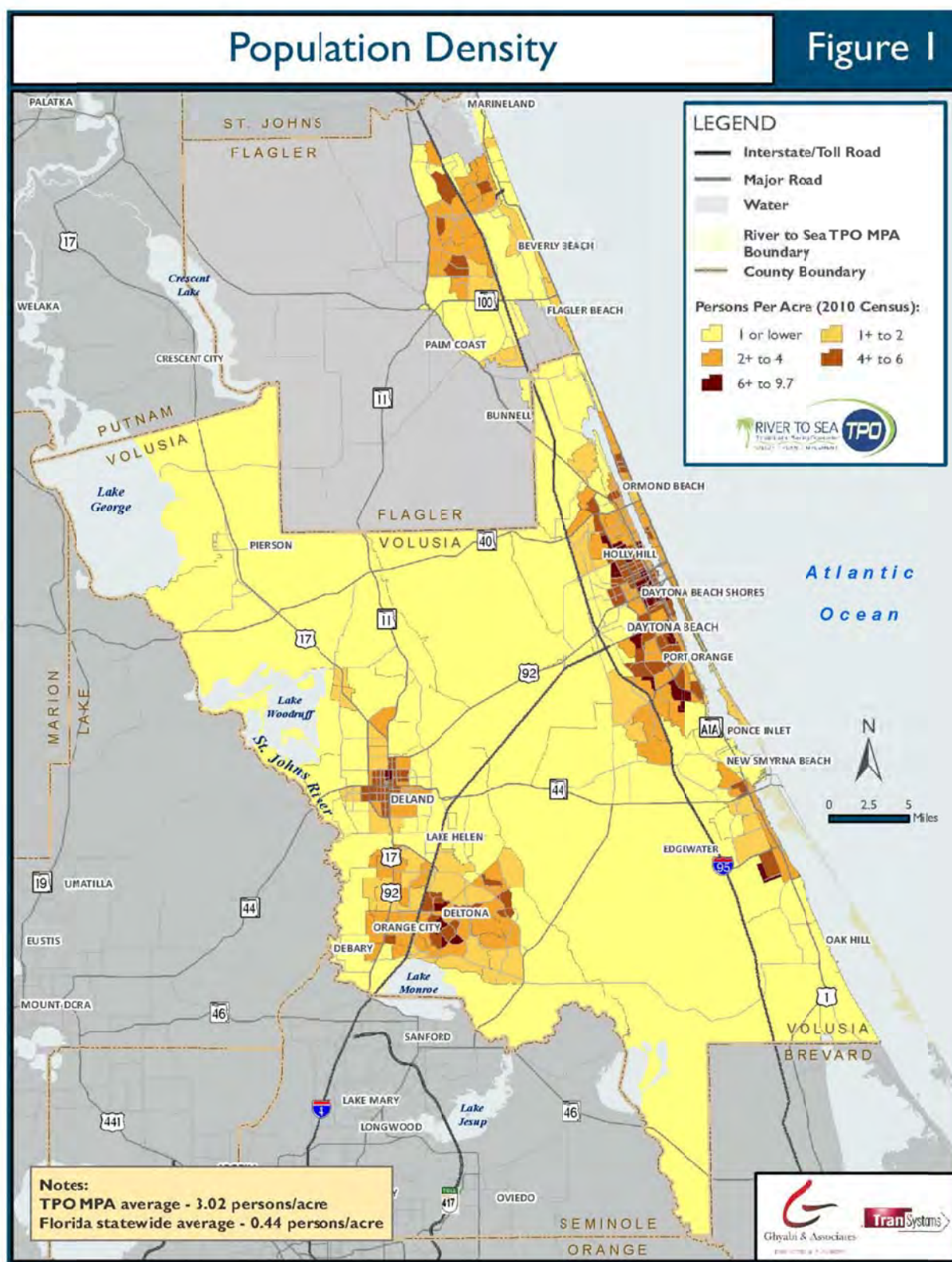


Figure 1: River to Sea TPO MPA Population Density

Low-Income Populations

Low-income refers to a person whose median income is at or below the Department of Health and Human Service Agency poverty guidelines displayed to the right. A low-income population means any readily identifiable group of low-income person who live in geographic proximity, and, if circumstances warrant, geographically dispersed/transient persons (such as migrant workers or Native Americans) who will be similarly affected by a proposed DOT program, policy, or activity. A primary aspect of Environmental Justice analysis is the consideration and inclusion of low-income populations in the transportation planning decision-making process.

FAMILY SIZE	100%
1	11,670
2	15,730
3	19,790
4	23,850
5	27,910
6	31,970
7	36,030
8	40,090

recognized
levels

As depicted in Figure 2, 13.6% of residents meet the low-income designation within the boundaries of the River to Sea TPO MPA. This figure is higher than the Florida average of 9.9%.

- One area of focus within the River to Sea TPO MPA identified as having a high average number of low-income residents is Bunnell. Areas west of I-95 and east of US 1 are highlighted by this Environmental Justice analysis as containing a large percentage of low-income residents. The primary roadway serving this portion of Flagler County is SR 100. Data taken from this area reflects an average of 18% of residents living below the poverty threshold.
- Moving south on I-95, the next examined portion of the River to Sea TPO MPA is east of I-95. Low-Income populations are located south of Ormond Beach, in and around the area where SR 5A and US 1 intersect.
- High percentages of low-income populations are also located east of I-95, south of SR 40, and are bisected by US 92. Cities within this examination area include Holly Hill, Daytona Beach and South Daytona. These areas of the TPO MPA are some the most heavily populated and house the highest percentages of low-income residents.
- The area south of US 92, west of SR 400, and east of SR 5A has an average below poverty population of 48%.
- Further south on the I-95 corridor, the areas with the highest poverty figures are in close proximity to the intersection of SR 44 and US 1.
- South of SR 44, 30.9% of residents currently live below the poverty level. A small pocket of low-income residents (14.25%) are located west of I-95 between Wilbur-by-the-Sea and Ponce Inlet.
- South of SR 442, east of I-95, and extending south to the Volusia – Brevard County line has a high percentage (20.44%) of low-income residents – generally the Oak Hill area along US 1.
- Low-income populations are also found in the western portions of the River to Sea TPO MPA. In the northern MPA, areas east of Lake George, on the Putnam - Volusia County line and extending east to SR 11 and south to Lake Woodruff and US 17 are pockets of low-income residents.

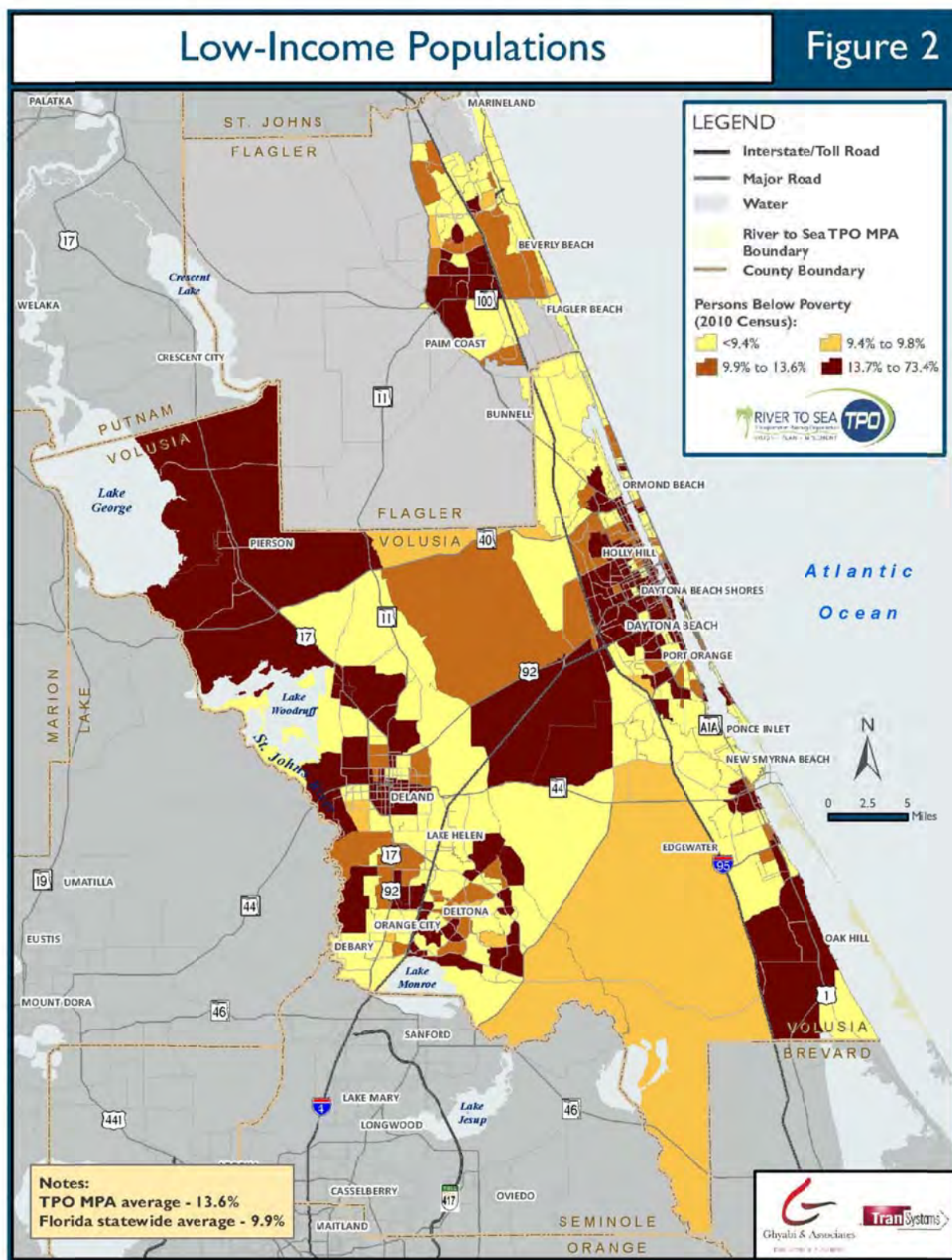


Figure 2: River to Sea TPO MPA Low-Income Populations

- These demographic patterns continue south along SR 11 into DeLand and west to the St. Johns River.
- Moving south along US 17/92, areas of low-income populations are located around the southwestern edge of the River to Sea TPO MPA. From Deltona in the west to Osteen in the east, low-income populations are adjacent to I-4, north of Lake Monroe and west of SR 415. The subarea within the aforementioned boundaries with the largest percentage of low-income residents is located south of Orange City and directly west of I-4. Over 34% of residents in this area live below the poverty level.
- The rural center of the River to Sea TPO MPA is also home to low-income populations. US 92 serves as the northern edge of a land area bordered by SR 44 in the south which extends from approximately five miles east of DeLand to I-95 in the west. Approximately 15% of residents in this area live below the poverty level.

Table 2 displays the number and percent of population living below the poverty level in several River to Sea TPO MPA communities. The largest percentage below the poverty level is found in Pierson (43.5%). Other large concentrations of residents, based on percentage, are located in Bunnell (33.3%), Holly Hill (27.6%), Daytona Beach (27.5%) and DeLand (21.2%). Measuring the population living below the poverty level in terms of absolute values, Daytona Beach (17,058), Palm Coast (15,656), and Deltona (14,229) reflect the three areas with the highest number of residents living below the poverty level.

Table 2: River to Sea TPO Population Below Poverty Level

Location	Total Population	Population Below Poverty Level	Percent Below Poverty Level
Flagler County			
Beverly Beach	416	38	11.3%
Bunnell	2,734	895	33.3%
Flagler Beach	4,606	251	5.6%
Palm Coast	75,143	15,656	20.3%
Unincorporated Flagler County	13,088	1,265	9.7%
Flagler County Total	95,987	18,105	18.5
Volusia County			
Daytona Beach	61,779	17,058	27.5%
Daytona Beach Shores	4,275	306	7.1%
DeBary	19,246	1,219	6.3%
DeLand	27,013	5,159	21.2%
Deltona	84,973	14,229	16.6%
Edgewater	20,796	2,537	12.2%
Holly Hill	11,730	3,211	27.6%
Lake Helen	2,638	308	11.7%
New Smyrna Beach	23,658	3,135	13.6%
Oak Hill	1,918	262	14.3%
Orange City	10,653	2,291	20.2%
Ormond Beach	38,372	4,239	10.9%
Pierson	1,712	734	43.5%
Ponce Inlet	3,034	84	2.7%
Port Orange	56,242	5,874	10.3%
South Daytona	12,388	2,760	22.2%
Unincorporated Volusia County	115,154	32,719	28.4%
Volusia County Total	495,581	96,125	19.3%
MPA Total	591,568	114,230	19.31%

Source: 2012 American Community Survey (ACS)

Minority Populations

Minority populations are defined as those groups differing, especially in race, religion, or ethnic background from the majority of a population. For the purposes of this analysis the United States Census standards for identifying minorities will be used. This defines minorities as:

- Asian American: a person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent
- Black: a person having origins in any of the black racial groups of Africa
- Hispanic or Latino: a person of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish culture or origin, regardless of race
- Native Hawaiian and other Pacific Islander: a person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands
- American Indian and Alaska Native: a person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands

Environmental Justice analysis involves identifying groups of minority populations. The River to Sea TPO MPA is composed of approximately 25.1% minorities (as defined above). The State of Florida is composed of 40.9% minorities. The minority populations are depicted in Figure 3 and further described below.

- The highest percentage of minority populations within the River to Sea TPO MPA is located in the vicinity of Daytona Beach. Boundaries of the identified area include: SR 430 (north); local road Shady Place (south); SR 5A (west); and US 1 (east). Minority populations in this area reach as high as 97.6%. The average minority composition for this portion of Volusia County is approximated at 90.6%.
- Another area of attention, in regards to Environmental Justice analysis, is a large Hispanic/Latino minority population (34.7%) within the City of Deltona. This area is located directly adjacent and to the east of I-4. Local roads that serve these communities are Saxon Boulevard, Newmark Drive, Providence Boulevard, N. Normandy Boulevard, and E. Normandy Boulevard. The selected study area averages a 45.3% minority population, with the highest figure (51.5%) located between Providence Boulevard and Saxon Boulevard.
- South DeLand, from SR 44 in the north to SR 15 in the south, is a third Environmental Justice focus area identified by the 2040 LRTP. US 92 bisects the highlighted portion of DeLand. Of particular note are the neighborhoods east of South Adelle Avenue, south of West Beresford Avenue and northeast of Bon Air, in which minorities compose 93.8% of the total population. The minority composition in this area is primarily Black and Hispanic/Latino.
- Environmental Justice should also be a key consideration when undertaking planning efforts in the west, northwest, and southwest portions of Flagler County included in the River to Sea TPO MPA. This area is comprised of 65.8% minority populations. US 1 and SR 11 are the two primary roads that serve the southeast; SR 11 and Pine Meadows Drive in the west; and SR 100, North Bay Street, and Deen Road in the northeast.

- Another area that contains high numbers of minority populations is the area surrounding the intersection of SR 40 and SR 15, north of Glenwood, south of Seville, and east of Astor and Pierson. The total population of this area is 2,589 and reflects a 52% minority composition.
- An additional area of focus includes portions of New Smyrna Beach. Enterprise Avenue and Wayne Avenue serve as the south and north borders of the area of focus, while Halleck Street and US 1 are the east and west borders. The neighborhoods within these boundaries are comprised of 65% minorities.

Table 3 identifies the minority composition of several communities within the River to Sea TPO MPA. Based on percentages, the largest minority population is located in Pierson, a 52% majority of Hispanics or Latinos. Other high percentage concentrations of Hispanics or Latinos can be found in Deltona (34.7%) and Orange City (15.1%). The highest percentage of black residents can be found in Daytona Beach (34.6%), Bunnell (26.2%) and Oak Hill (23.7%). Measuring minority populations in terms of absolute values, the largest numbers of black residents within the River to Sea TPO MPA are located in Daytona Beach (21,260), Palm Coast (9,777), Deltona (5,947) and DeLand (4,398). Large Hispanic or Latino populations are found in Deltona (29,609), Palm Coast (8,134), Daytona Beach (4,865) and DeLand (3,633).

Table 3 – River to Sea TPO MPA Minority Populations

Location	White		Black		Hispanic or Latino		Asian		Amer. Indian or Alaska Native		Native Hawaiian/ Other Pacific Isl	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Flagler County												
Beverly Beach	377	90.6%	0	0.0%	0	0.0%	39	9.4%	0	0.0%	0	0.0%
Bunnell	1,800	65.8%	717	26.2%	206	7.5%	4	0.1%	0	0.0%	0	0.0%
Flagler Beach	4,469	97.0%	67	1.5%	57	1.2	13	0.3%	0	0.0%	0	0.0%
Palm Coast	58,566	73.2%	9,777	12.2%	8,134	10.2%	1,825	2.3%	0	0.0%	64	0.1%
Total	65,212	-	10,561	-	8,397	-	1,881	-	0	-	64	-
Volusia County												
Daytona Beach	32,269	52.6%	21,260	34.6%	4,865	7.9	1,373	2.2%	111	0.2%	76	0.1%
Daytona Beach Shores	4,071	95.2%	0	0.0%	131	3.1%	59	1.4%	14	0.3%	0	0.0%
DeBary	15,853	82.4%	739	3.8%	1,968	10.2%	455	2.4%	51	0.3%	0	0.0%
DeLand	17,556	65.0%	4,398	16.3%	3,633	13.4%	707	2.6%	16	0.1%	23	0.1%
Deltona	46,570	54.5%	5,947	7.0%	29,609	34.7%	1,292	1.5%	561	0.7%	249	0.3%
Edgewater	18,827	90.5%	633	3.0%	738	3.5%	160	0.8%	13	0.1%	35	0.2%
Holly Hill	8,993	76.7%	1,721	14.7%	619	5.3%	99	0.8%	52	0.4%	0	0.0%
Lake Helen	2,271	86.1%	251	9.5%	82	3.1%	13	0.5%	0	0.0%	0	0.0%
New Smyrna Beach	19,991	88.2%	1,405	6.2%	860	3.8%	204	0.9%	38	0.2%	0	0.0%
Oak Hill	1,421	74.1%	454	23.7%	0	0.0%	0	0.0%	4	0.2%	0	0.0%
Orange City	8,227	77.2%	707	6.6%	1,604	15.1%	53	0.5%	63	0.6%	0	0.0%
Ormond Beach	33,688	87.8%	1,467	3.8%	1,332	3.5%	1,359	3.5%	60	0.2%	0	0.0%
Pierson	708	41.4%	100	5.8%	891	52.0%	0	0.0%	0	0.0%	0	0.0%
Ponce Inlet	3,012	99.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Port Orange	50,662	89.5%	1,891	3.3%	1,903	3.4%	1,082	1.9	462	0.8%	0	0%
South Daytona	9,905	80.0%	1,234	10.0%	785	6.3%	108	0.9%	42	0.3%	44	0.4
Total	274,024	-	42,207	-	49,020	-	6,964	-	1,487	-	427	-
MPA Total	339,236	-	52,768	-	57,417	-	8,845	-	1,487	-	491	-

Source: 2012 American Community Survey; Note-Racial composition data for each city/town reflects a margin of error based upon a percentage of each population belonging to 2 or more racial groups

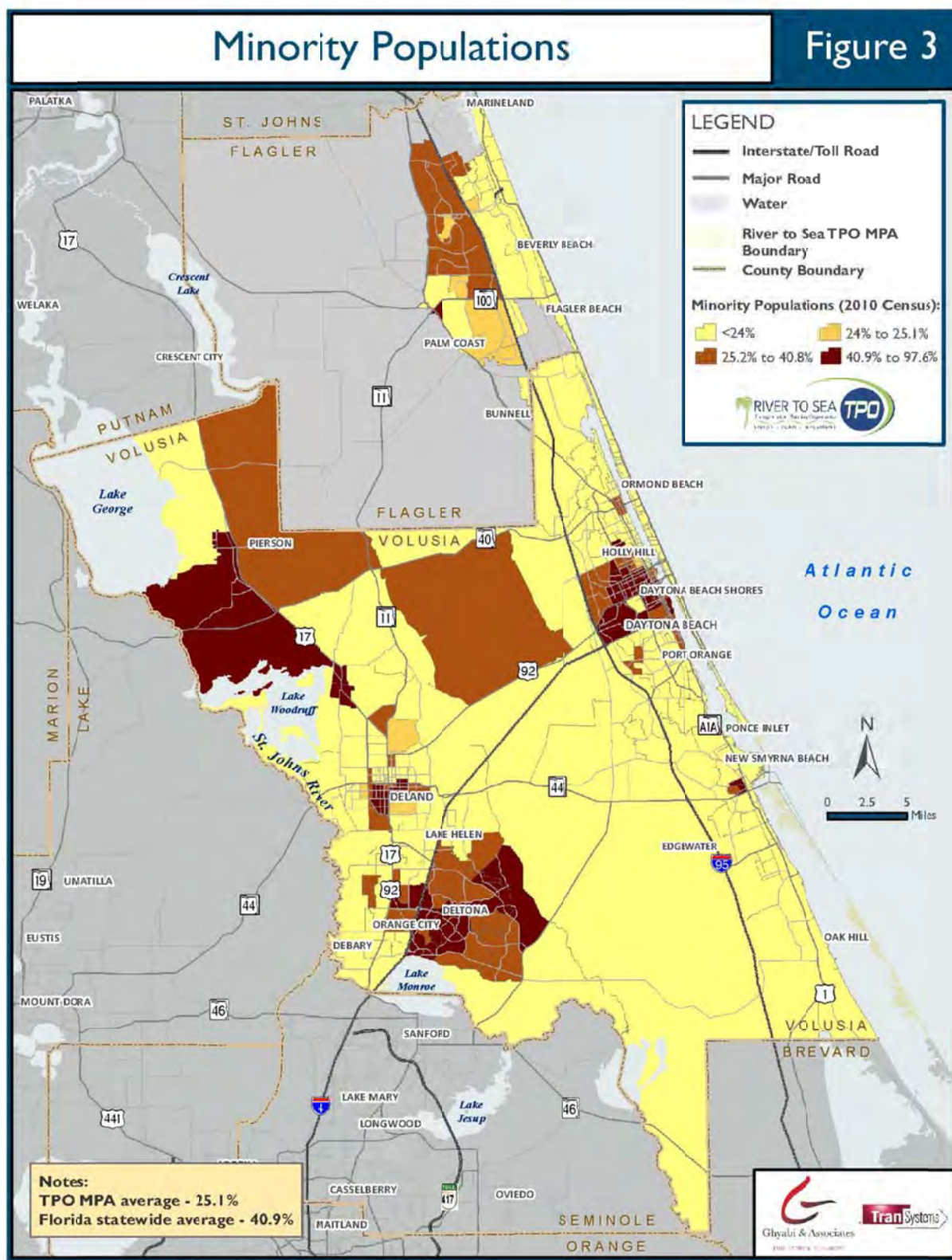


Figure 3: River to Sea TPO MPA Minority Populations

Elderly Populations

Elderly populations, defined as individuals aged 65 years and older, are generally more transit-dependent than the population as a whole and may have special transportation needs, such as reliance upon public transportation or paratransit services. It is for these reasons that it is important to consider elderly populations when identifying Environmental Justice populations. This is especially relevant in the River to Sea TPO MPA due to the high number of elderly within the MPA boundary. The River to Sea TPO MPA is comprised of nearly 22% elderly residents which is approximately 5% higher than the State of Florida average.

Elderly population characteristics within the River to Sea TPO MPA are displayed in Figure 4 and further described below:

- High numbers of elderly residents are dispersed throughout the River to Sea TPO MPA. The rural center of the MPA is the one exception, with an elderly population comprising less than 16.9% of the total population.
- In the western portion of the MPA, between I-4 and US 17/92, elderly populations compose an average of greater than 24% of residents.
- This is also true north of DeLand, immediately north, east, and west of SR 11. SR 44 bisects the two aforementioned locations, with DeLand, Deltona and Orange City being the major population centers.
- The greatest percentage of elderly populations is located east of DeLeon Springs, home to an average of 45% elderly residents.
- The western portion of the River to Sea TPO MPA, located east of Lake George is another Environmental Justice attention area, with elderly population averages being approximately 22%.
- The eastern portion of the River to Sea TPO MPA contains high percentages of elderly populations. From Beverly Beach in the north to the Volusia-Brevard County line in the south, elderly populations are consistently above the 21.6% TPO MPA average or higher.
- This pattern follows US 1 from Oak Hill to New Smyrna Beach, through Ormond Beach and Flagler Beach. SR 415 serves as the western edge, from Edgewater to the northern boundary of the River to Sea TPO.

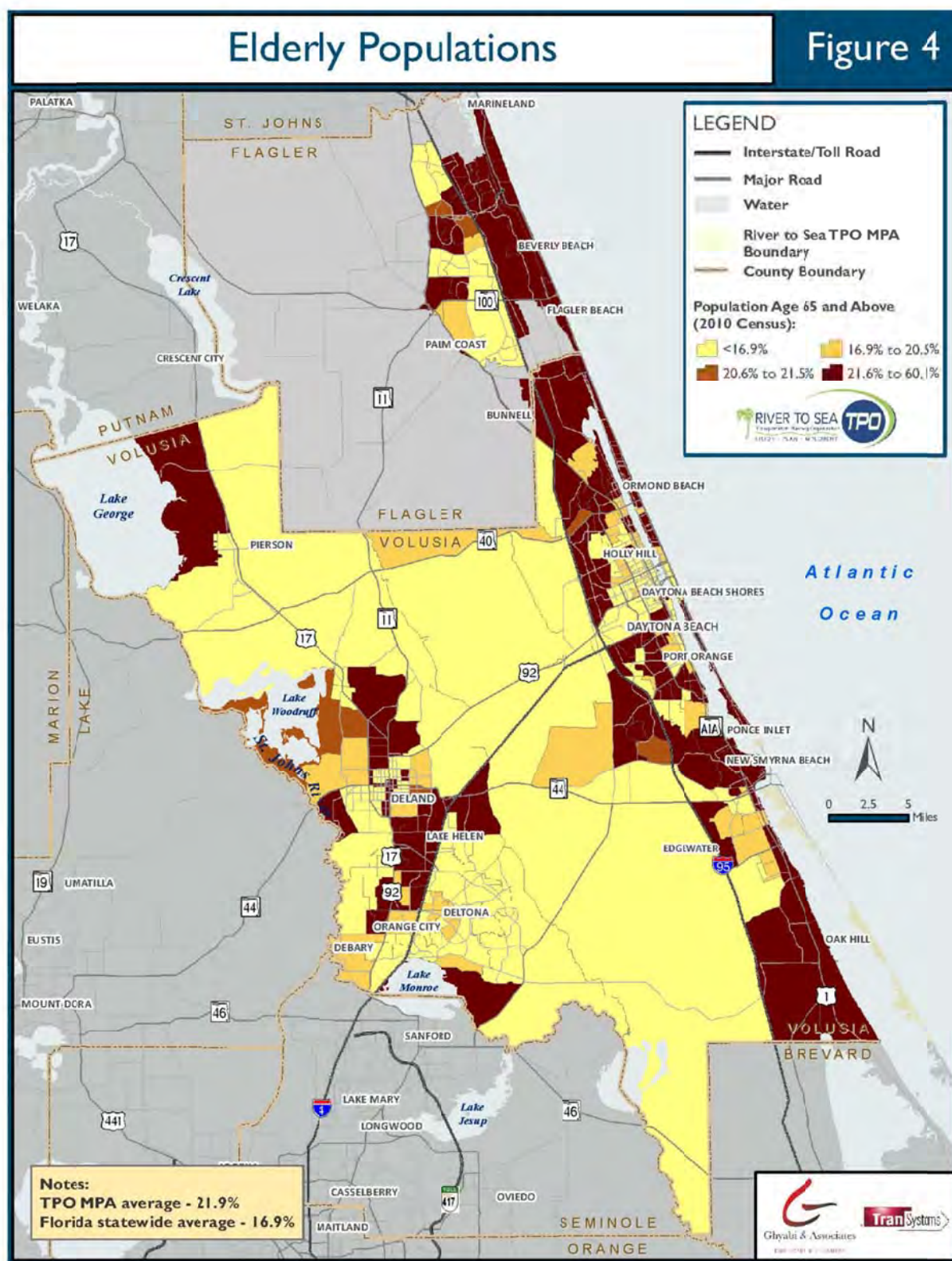


Figure 4: River to Sea TPO MPA Elderly Populations

Zero-Vehicle Households

Providing reliable and affordable transportation options to people who cannot, or choose not to operate a personal vehicle in rural or urban areas is an important consideration when making transportation-related planning decisions. The average number of zero-vehicle households in the River to Sea TPO MPA (2.6%) is lower than the State of Florida average (6.5%). Information on this demographic is depicted in Figure 5 and further described below.

- DeLand and southwest DeLand are the first areas identified by this 2040 LRTP as having a large population percentage of zero-vehicle households. Areas both directly east and west of US 17/92 have large numbers of households with zero vehicles. South of SR 472, between US 17/92 and I-4, also houses a large population without personal vehicle access.
- There are also pockets of high numbers of zero-vehicle households in the eastern portion of the TPO MPA, most notably the area extending from south of Ormond Beach at the intersection of SR 5 and SR 5A. One hundred twenty one (121) of the total 750 households within this defined study area are classified as zero vehicle households.
- North of SR 92 and bisected by South Clyde Morris Boulevard, households with zero vehicles comprise a large percentage of the population. South of South Clyde Morris Boulevard, 27% of the 1,184 households have zero vehicles, while data collected on areas north of South Clyde Morris Boulevard shows that 29% of the 575 total households have zero vehicles.
- The largest percentage of zero vehicle households in the TPO MPA is situated directly east of SR 92 with 57% of 314 households in this area currently having zero vehicles.

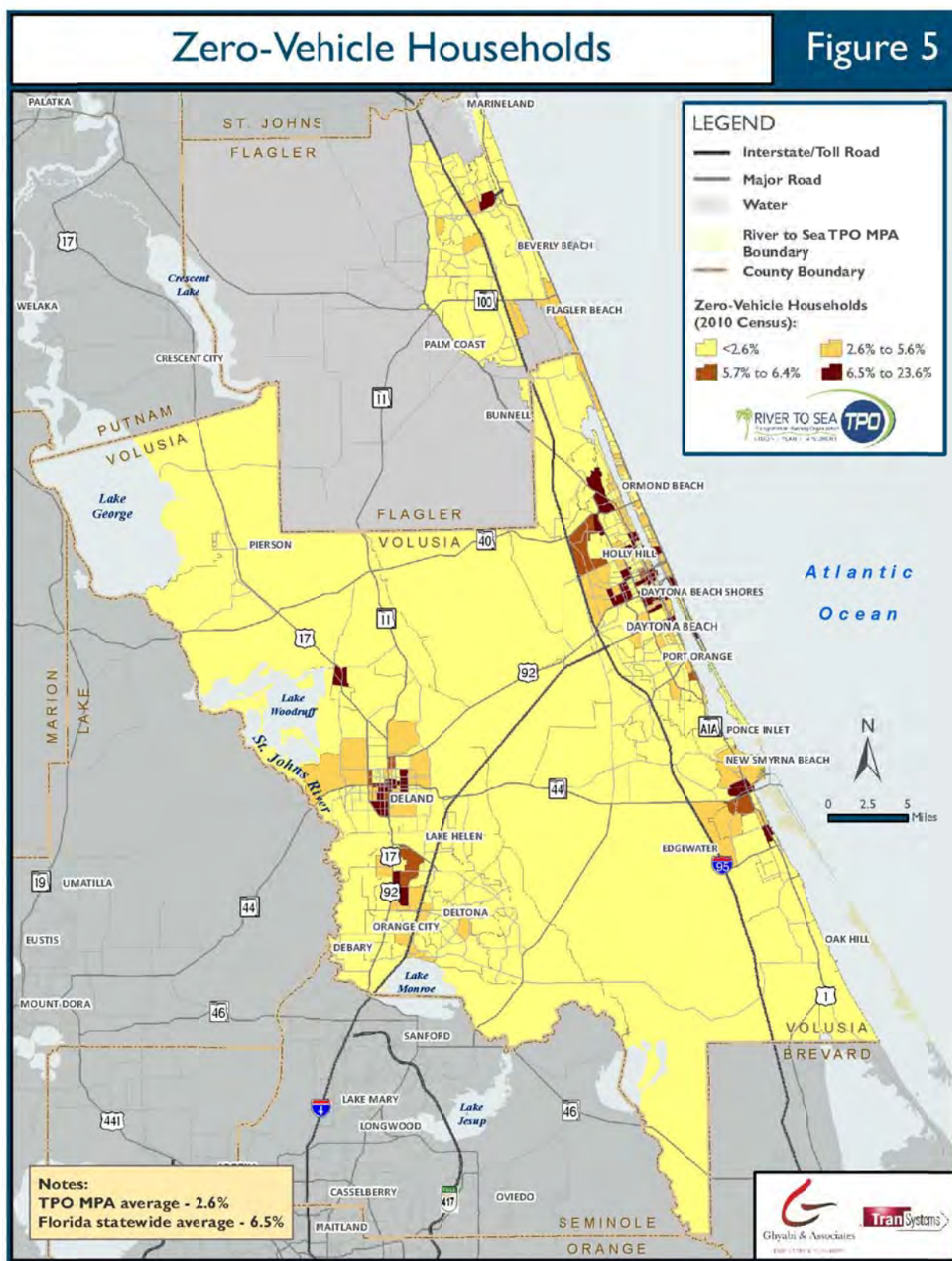


Figure 5: River to Sea TPO MPA Zero-Vehicle Households

Median Household Income

The median household income is calculated by dividing the income distribution of a given area into two equal parts; one-half of households will fall below, and one-half will be above the median. For households, median income is determined by the distribution of the total number of households including those with no income. Tables 7 and 8 depict the distribution of household income for both Volusia and Flagler by county. The median household income in the TPO MPA is \$45,984 per household. This figure falls slightly below the Florida statewide number of \$47,661 per household.

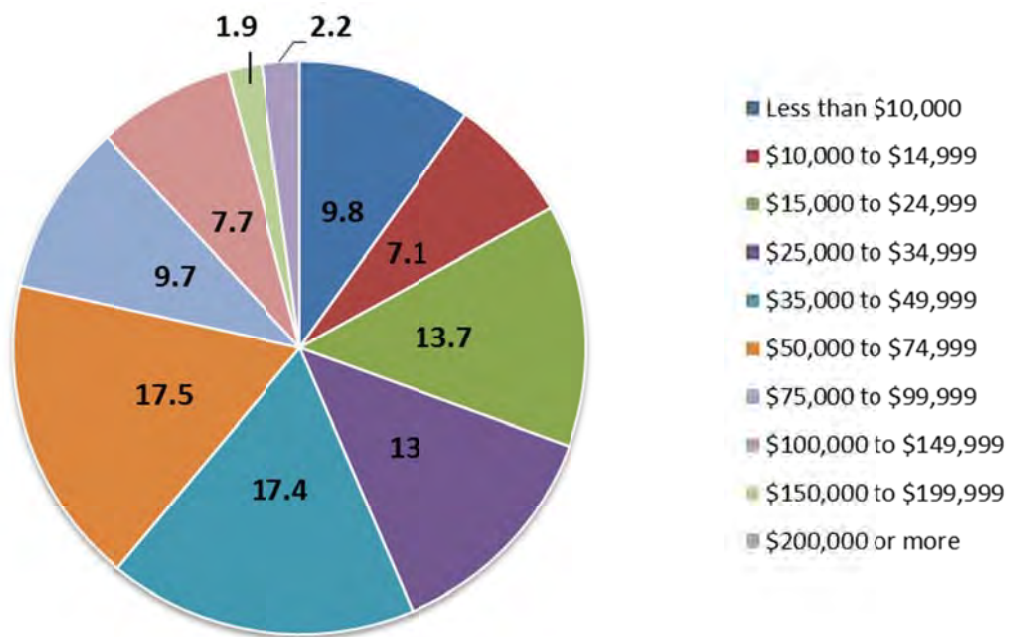
Median household income information for the entire River to Sea TPO MPA is depicted in Figure 6 and further described below.

- TPO MPA median household income numbers are highest in the areas directly north of Beverly Beach, located along the Atlantic Coast. South of Beverly Beach and east of I-95 extending down to the southern edge of the TPO MPA, a majority of resident households earn between \$25,001 and \$50,000.
- Pockets along this route, including areas in New Smyrna Beach, Ponce Inlet, Ormond Beach and Palm Coast average \$50,001 - \$75,000.
- In the southeastern edge of the TPO MPA, extending north from the Brevard-Volusia County line for approximately 5 miles, median household income levels average approximately \$75,001.

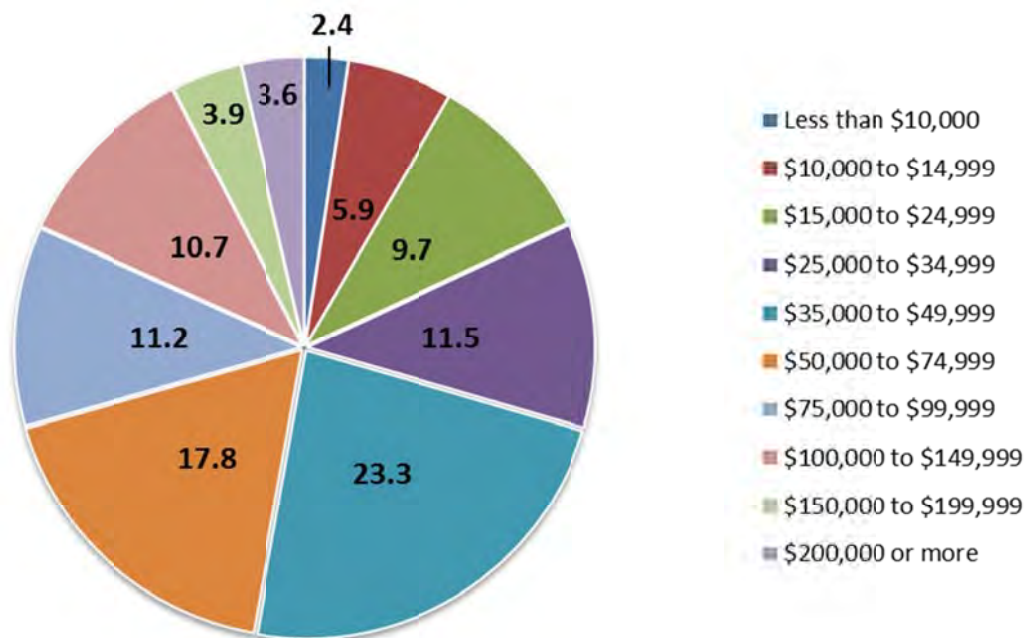
While low-income populations have already been identified in the low-income portion of this Environmental Justice document, it is important to reiterate income-based Environmental Justice areas. The following areas within the River to Sea TPO MPA reflect median household incomes between \$0 and \$25,000.

- Southeast of Orange City along Veterans Memorial Parkway is one of these low median household income areas.
- In the western portion of the TPO MPA, generally surrounding the intersection of US 17/92 and SR 44 in DeLand, median household income consistently falls between \$25,000 - \$30,000.
- Populations southeast of Orange City and generally west of I-4 also have median household incomes below \$25,000.
- Selected areas along the eastern edge of the TPO MPA contain high numbers of households with a household income level below \$25,000.
- The area located between US 1 and SR 5A serves as a reference point for low median household income areas near Holly Hill, South Daytona and Daytona Beach, most notably, the portion of the TPO MPA bordered by US 92 (north) and SR 400 (south). Ontario Court bisects two focus areas whose median household income is below \$10,000.

Level



Level



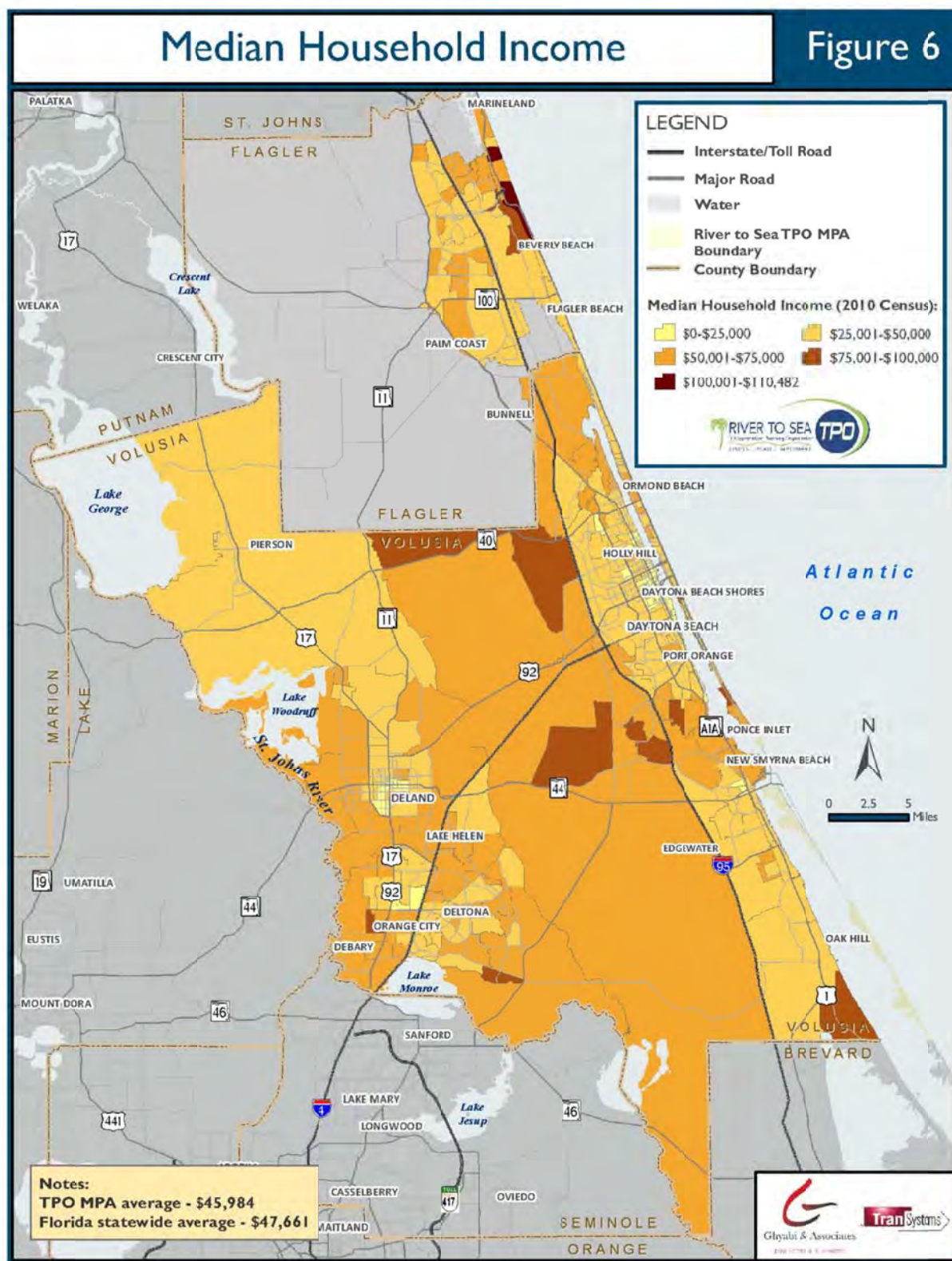


Figure 6: River to Sea TPO MPA Median Household Income

Employment Density

The final topic in the Environmental Justice section of the *2040 LRTP* examines the employment density within the River to Sea TPO MPA. Employment density refers to the number of employed civilians per acre. When examining the data, it is apparent that cities within Volusia County that have the largest resident populations also have the highest employment densities. This includes areas in and around DeLand, Deltona, Orange City, Daytona Beach, Port Orange, Ormond Beach, New Smyrna Beach, and Edgewater. While heavily populated, Flagler County population centers, such as Palm Coast, have a lower employment density than their Volusia counterparts.

Employment density information for the entire River to Sea TPO MPA is depicted in Figure 7 and further described below.

- The area located closest to US 92 and SR 5A, and served by local road Mason Avenue in Daytona Beach has the highest employment density in the entire TPO MPA (> 5.1 employed civilians per acre).
- Surrounding areas from I-95 east to SR A1A, from Ormond Beach to Port Orange, average between 1.3 and 3.7 employed civilians per acre.
- Further south, SR 421 and SR 5A intersect at the northern boundary of another area representing high employment density. Taylor Road and Country Lane are the local roads that traverse this highlighted area.
- The final selected area in the eastern portion of the TPO MPA with a high employment density is west of SR 442 and served by Sabal Palm Drive (west) and Hibiscus Drive (east).
- The City of DeLand, primarily in the north, is also home to high employment density areas. Areas surrounding the intersection of SR 44 and US 17-92 average between 1.3 and 2.5 employed civilians per acre and reach as high as 3.8 – 5.0 / per acre.
- Data from Deltona, DeLand and DeBary shows similar employment density patterns. Saxon Boulevard and East Normandy Boulevard serve areas that average 2.6 to 3.7 employed civilians per acre.
- The highest employment densities in Flagler County are located west of I-95. Areas generally north of Royal Palms Parkway, east of Belle Terre Parkway, and extending to the northernmost point in the TPO MPA reflect employment density figures that average from 1.3 to 2.5 employed person per acre.

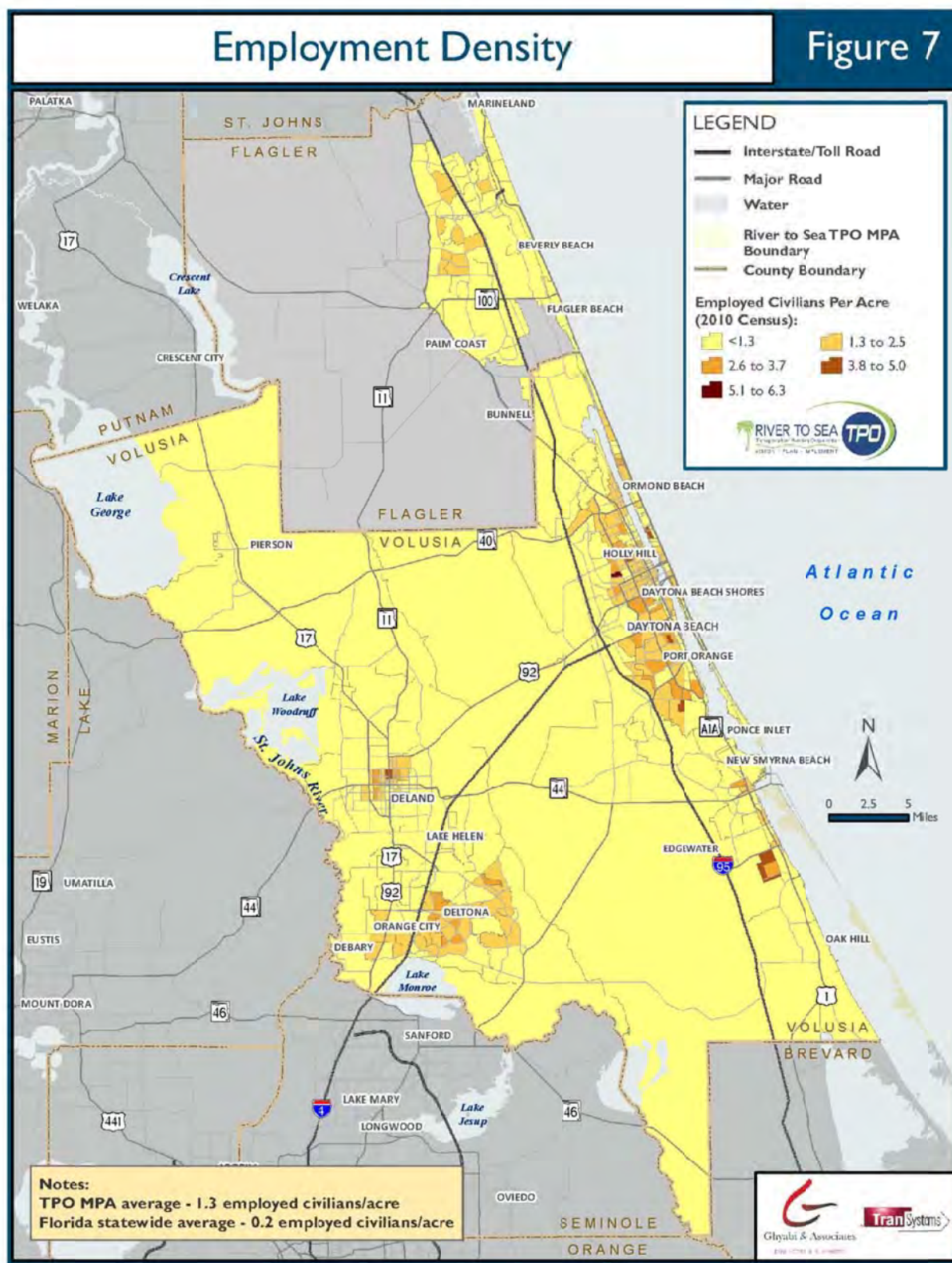


Figure 7: River to Sea TPO MPA Employment Density

Summary of Findings

This summary of findings highlights critical areas within the River to Sea TPO MPA where Environmental Justice concerns should be considered before undertaking planning efforts. This section focuses on the two Environmental Justice categories that are covered by Executive Order 12898 and subsequent DOT statutes and regulations: low-income and minority populations. As each of these two populations has been previously detailed individually within the Environmental Justice report, this portion of the document identifies and defines any overlap between the two.

- An area of concern is Bunnell, at the intersection of SR 100 and US 1, bordered by Hyman Circle in the southeast and South Knight Street in the west. This portion of Flagler County has a median household income of \$28,594 and is composed of 65.8% minorities.
- Low-income, minority overlap is also prevalent in and around Daytona Beach. All of the following areas are located east of I-95: South of US 92, north of Beville Road, and west of Clyde Morris Boulevard, residents have a median income of \$29,583 and are comprised of 42% minorities.
- Bisected by US 92, areas east of SR 5A, west of US 1, and north of Shady Place, and south of 3rd Street have a median household income of approximately \$12,000 and average nearly 90% minority populations.
- North of US 92, west of SR 5A, east of Bill France Boulevard, and south of LPGA Boulevard between Jimmy Ann Drive and Derbyshire Road. This selected portion of the TPO MPA is comprised of 73.5% minority populations; with 26% of residents living below the poverty level.
- US 1 (east), Wayne Avenue (north), Milford Place (west), and SR 44 (south) are the borders for an area with low-income populations and which has a high minority percentage. Median income is approximately \$20,000 and minority populations average over 55%.
- Northwest of Deltona and southwest of Orange City is another area with an overlap of low-income and minority population. This area, with US 17-92 as the western edge and I-4 on the east, averages greater than 40% minority populations and less than \$25,000 in median household income. Saxon Boulevard in the southern edge of this defined area and East Graves Avenue is the northern border.
- Portions of DeLand also merit attention. US 17-92 bisects an area bordered by South Hill Avenue in the east and SR 15 in the west. Northern edges of this area are West Howry Avenue and East Wisconsin Avenue. Median income figures in this area are approximately \$24,000 and minority populations range from 45% to above 90%.

Appendix A

Census Block Group Data

Appendix A - Census Block Group Data

The data presented in the following table is block group-level information obtained from the 2010 US Census. The data is broken down by block group and each row represents information for one block group. The following information is included:

- GEOID10 – 2010 Census Block Group ID
- HSE_UNITS – Number of housing units located within the block group.
- ACRES – Total acreage of the block group.
- DENPOP2010 – Population density (number of people per acre) of each block group.
- PCT_MNRTY – Percentage of people in each block group that are minorities.
- PCT_65ABV – Percentage of people in each block group that are age 65 and older.
- MEDHHINC – Median household income in the past 12 months (in 2010 inflation-adjusted dollars) in each block group.
- PCT_POV – Percentage of people in each block group who are living below the poverty level.
- PCT_OVHCL – Percentage of households in each block group without a vehicle.
- PCT_EMPLOY – Percentage of people (age 16 and older) in each block group who are employed in the civilian labor force.

GEOID10	HSE_UNITS	ACRES	DENPOP2010	PCT_MNRTY	PCT_65ABV	MEDHHINC	PCT_POV	PCT_OVHCL	PCT_EMPLOY
121270907014	586	322.2	4.16	24.7	11.7	46406	6.8	1.5	45.3
121270904003	430	204.4	6.97	17.6	16.8	37807	7.3	4.8	70.5
121270904002	357	225.3	5.19	19.6	10.3	50781	3.0	1.0	49.6
121270904001	616	248.9	4.23	9.6	43.8	51172	5.3	7.0	31.1
121270904005	403	212.4	4.02	18.5	15.6	36261	11.5	1.3	73.0
121270904004	450	215.7	4.20	17.3	13.2	39125	22.9	1.0	41.1
121270905001	710	236.3	4.85	36.2	31.1	24688	16.8	18.0	23.3
121270830063	625	235.7	6.17	8.0	16.3	57891	8.2	0.0	64.1
121270830071	1293	5594.7	0.56	7.9	13.8	48698	8.5	1.1	41.9
121270901022	393	57565.8	0.01	22.6	21.6	47679	14.1	0.0	33.9
121270902032	570	1041.4	1.46	48.5	14.6	39340	15.7	0.9	37.4
121270903061	2041	5730.2	0.75	15.2	24.3	71378	6.3	0.3	44.9
121270903073	313	436.7	1.59	14.2	23.4	63201	0.0	0.0	63.2
121270905002	642	240.8	5.01	22.1	22.4	20682	20.7	10.8	35.5
121270908041	1140	1313.3	1.78	19.0	23.2	34750	12.6	0.0	49.2
121270902042	1990	7047.8	0.62	22.9	18.3	52970	14.1	3.9	40.0
120350601063	1047	2641.9	0.41	6.1	41.9	62333	2.7	0.0	68.5
120350602112	1071	693.5	3.01	25.0	40.9	42730	7.3	0.8	39.8
120350603011	1175	8761.0	0.24	18.1	28.5	30795	11.4	1.5	24.7
120350602143	1020	600.1	4.05	31.1	12.8	55395	18.3	2.1	47.6
120350602081	1374	6116.6	0.48	24.1	8.1	44565	8.0	0.7	44.8
120350602101	900	848.2	2.34	30.3	29.2	47813	9.5	1.2	34.8
120350602121	1176	731.1	3.73	34.1	17.3	36157	12.7	2.9	42.7
121270906001	702	436.1	3.83	51.5	10.4	23824	20.0	7.3	23.1
121270906002	595	275.6	5.72	68.4	14.1	24141	44.1	3.6	33.4
121270906003	279	176.5	4.18	46.2	35.4	30714	20.7	6.0	7.5
121270906004	464	251.9	4.23	85.9	13.2	19648	25.2	11.2	33.7
121270906005	363	169.8	5.11	56.7	9.9	40268	29.8	2.8	54.3
121270910051	848	19811.9	0.10	10.6	13.5	53347	9.5	1.2	47.9
121270910131	1149	658.0	3.87	41.9	13.2	47361	13.4	3.6	51.5
121270910133	920	1431.2	1.60	35.1	15.6	58487	4.5	0.0	45.6
121270910132	1034	2211.2	1.24	38.4	10.6	57561	18.7	1.5	50.0
121270909022	1793	1741.4	2.55	31.6	19.9	56926	5.7	0.7	31.7
121270910291	672	11434.4	0.10	10.8	32.0	53594	5.9	1.1	53.2

GEOID10	HSE_UNITS	ACRES	DENPOP2010	PCT_MNRTY	PCT_65ABV	MEDHHINC	PCT_POV	PCT_OVHCL	PCT_EMPLOY
121270910292	450	1086.4	1.06	27.9	10.2	78304	0.0	0.0	64.4
121270910251	823	610.1	3.81	39.8	9.0	56328	3.4	0.0	47.6
121270910252	823	654.3	3.35	37.9	7.6	49636	15.4	0.3	47.0
121270910191	739	573.7	2.99	49.7	12.4	47271	8.6	0.0	59.7
121270910192	545	302.1	5.15	48.7	6.9	54519	8.2	1.3	54.1
121270910261	1373	930.1	3.86	38.8	10.9	56364	9.7	0.3	51.1
121270910262	1391	1214.1	2.99	40.4	14.6	47210	9.2	0.7	41.3
121270830051	1105	753.4	3.03	11.4	22.6	40121	16.4	1.4	37.4
121270830032	1745	22372.7	0.14	13.9	24.6	41899	20.4	2.3	39.0
121270830031	1798	3172.5	0.91	3.1	49.8	44104	15.7	0.9	21.9
121270804002	350	321.2	2.19	5.0	25.8	96198	3.6	0.0	36.5
121270812002	1185	414.6	3.98	19.0	19.6	30133	10.5	3.9	35.5
121270812001	926	286.0	3.83	17.0	10.4	26583	16.9	3.8	45.7
121270812003	832	358.7	2.73	19.2	11.5	29063	20.6	2.8	27.3
121270813002	1104	361.8	3.84	15.2	13.2	35000	24.2	6.7	47.5
121270803003	1147	281.9	4.63	5.1	31.9	43500	17.3	5.0	47.2
121270803002	896	232.8	4.74	5.9	22.5	37417	7.4	1.7	58.9
121270910231	530	251.5	5.10	41.8	17.9	47191	19.2	3.2	46.8
121270910232	647	252.5	6.14	36.5	19.9	47036	0.0	0.6	59.6
121270910221	471	243.4	4.96	46.5	12.9	56681	2.5	0.0	32.4
121270832081	2081	1793.1	2.61	15.7	23.1	72833	2.5	0.9	38.6
121270832082	830	2139.4	0.76	5.1	27.6	63359	5.5	0.0	42.9
121270832083	968	936.5	1.75	4.2	40.4	87857	1.9	0.8	34.4
120350602072	933	2458.5	0.83	21.7	16.9	50161	16.9	0.0	45.9
120350603022	918	756.9	1.32	4.2	39.7	45327	0.0	2.9	22.8
120350603023	932	1124.7	1.15	5.5	23.2	48639	6.5	4.1	39.3
120350602062	797	120396. 1	0.02	18.9	15.6	36815	9.5	2.9	32.1
120350602063	1028	14204.5	0.16	7.5	11.1	38902	25.3	0.0	35.6
120350602093	1158	824.3	3.35	32.5	11.7	51319	10.1	0.6	36.8
120350602071	1191	67795.6	0.03	7.1	38.2	60278	6.6	0.5	34.2
120350602131	1197	2596.9	1.10	35.1	14.3	39600	18.5	1.6	37.2
120350602113	1031	612.9	3.66	33.2	24.1	48173	10.7	0.8	28.8
120350602041	522	2484.5	0.53	29.8	15.3	47857	13.5	2.3	41.3
120350602111	932	500.7	3.97	29.1	34.7	49388	14.3	0.0	42.5

GEOID10	HSE_UNITS	ACRES	DENPOP2010	PCT_MNRTY	PCT_65ABV	MEDHHINC	PCT_POV	PCT_OVHCL	PCT_EMPLOY
120350602052	1267	908.3	3.05	34.8	21.4	39816	8.6	1.3	41.0
120350602051	955	492.3	4.47	29.1	26.4	60833	5.9	0.0	29.9
120350602042	1251	765.9	4.17	30.8	14.6	43250	6.9	0.4	37.6
121270817003	488	127.3	9.73	87.3	12.4	47807	24.3	2.5	64.2
121270817004	826	275.5	5.67	53.6	20.0	15192	38.5	7.0	18.6
121270818002	632	402.4	3.77	78.7	16.8	28568	37.1	11.0	36.1
121270818001	272	161.6	4.25	79.5	11.9	29487	23.6	1.9	51.1
121270819002	371	109.7	7.91	97.6	11.6	25464	43.2	2.4	17.7
121270818003	238	159.6	3.29	78.3	19.2	45607	0.0	0.0	67.0
121270819001	552	231.4	6.61	95.9	11.2	14310	65.5	10.7	27.0
121270829034	566	196.4	5.69	65.0	22.5	20652	45.2	10.7	46.6
121270829042	1675	953.3	2.82	3.2	49.6	48813	3.6	4.2	27.2
121270902031	1252	5139.6	0.42	19.0	42.5	43550	14.2	2.1	36.7
121270910242	1253	3719.9	0.90	42.7	7.5	62596	2.9	0.0	47.3
121270910202	1192	836.8	3.99	43.7	7.7	54386	10.6	0.5	41.7
121270910211	949	2698.6	0.95	33.3	8.6	65481	13.9	0.2	42.7
121270910223	992	406.7	5.89	36.8	20.4	50929	11.0	1.6	51.1
121270903051	1431	8065.3	0.44	16.7	12.2	62139	7.3	1.0	50.3
121270802012	879	1547.3	0.78	6.4	44.8	46094	5.2	3.6	27.2
121270829022	1429	3176.2	0.85	7.9	25.4	42016	2.9	2.8	33.8
121270910012	928	2208.2	0.93	18.5	15.3	61299	8.6	0.2	61.4
121270907024	674	1097.2	1.45	25.5	15.3	53167	9.4	0.0	48.5
121270910183	611	448.6	3.05	35.9	15.9	35149	18.5	0.0	43.3
121270832031	1544	5189.3	0.73	12.1	15.0	67115	4.8	0.2	38.6
121270908031	715	4562.2	0.33	13.3	13.6	55954	17.2	0.8	43.8
121270830091	1663	2886.7	1.27	7.8	19.6	46622	3.5	1.1	44.4
121270801003	1001	1948.2	1.12	7.1	20.6	65481	5.6	0.0	37.9
121270807003	699	2706.2	0.56	10.0	25.1	61227	2.8	1.7	40.8
121270908051	1236	842.7	2.15	22.2	34.8	36773	7.2	0.9	20.4
121270908053	788	693.9	2.41	8.0	22.3	41280	10.6	0.0	46.6
121270910222	1469	2207.9	1.78	38.7	14.0	64524	6.1	0.5	46.5
121270802021	1135	468.7	3.17	6.5	35.6	42560	10.5	1.1	39.7
121270908062	1042	924.7	2.21	38.8	17.0	29415	28.1	9.8	55.2
121270824151	1602	414.4	5.97	19.2	35.3	29066	18.5	0.9	33.9

GEOID10	HSE_UNITS	ACRES	DENPOP2010	PCT_MNRTY	PCT_65ABV	MEDHHINC	PCT_POV	PCT_OVHCL	PCT_EMPLOY
121270832061	360	47410.4	0.09	37.1	3.5	63571	11.7	0.4	12.7
120350602142	920	502.0	4.26	32.0	15.5	57159	6.5	2.1	33.1
120350602141	988	654.6	3.66	37.1	10.6	34076	30.0	2.2	44.7
120350602092	1071	2006.4	0.93	18.0	22.8	45958	14.8	2.3	37.5
120350602091	1044	933.2	2.39	24.7	27.8	65820	16.1	0.0	44.7
120350601061	556	507.3	0.33	13.3	27.3	108906	0.0	0.0	0.0
120350601062	478	402.0	1.81	7.2	41.4	41354	6.9	2.5	18.3
120350603021	623	510.9	1.80	4.8	30.9	44778	9.5	5.1	55.6
120350603041	1341	7883.7	0.30	4.5	41.8	48779	8.3	3.1	28.7
120350602044	613	2039.1	0.77	28.9	13.1	65484	2.8	0.0	35.5
120350603031	789	771.1	1.08	2.5	49.9	44107	8.4	1.7	53.3
120350601052	896	381.9	4.22	13.7	33.6	53446	3.3	0.0	35.3
120350601051	418	170.5	2.53	13.0	25.1	74875	12.8	0.0	11.4
120350602073	443	3038.2	0.42	65.8	19.1	28594	42.1	2.5	29.1
120350602082	1251	2866.8	1.07	24.2	9.7	40049	11.1	0.4	38.1
120350601042	995	796.1	2.60	19.2	32.8	60089	3.6	0.0	29.9
121270820001	427	152.2	3.88	90.0	15.6	19879	32.0	15.2	23.7
121270820002	233	329.1	4.85	88.7	2.4	11782	61.7	0.0	24.4
121270821005	350	118.6	6.60	96.2	14.7	15962	45.7	22.9	40.5
121270821002	496	157.6	8.81	94.5	7.6	9573	65.4	15.8	29.0
121270821003	322	163.7	4.52	93.6	9.6	8487	73.4	3.4	12.8
121270821004	380	152.9	5.28	91.6	15.9	31875	32.2	12.6	50.2
121270808034	760	514.4	3.13	13.2	17.5	37358	9.1	0.8	45.0
121270808042	1364	943.0	2.79	17.5	16.9	37292	17.6	0.5	28.3
121270808061	1323	749.6	3.62	13.2	21.5	49643	8.2	0.0	40.2
121270811011	963	256.1	5.63	16.3	30.3	54420	1.6	1.9	66.8
121270811012	1266	344.5	3.12	13.6	36.3	48438	8.6	4.1	38.7
121270811022	898	469.3	2.70	9.0	22.8	36023	13.0	3.0	31.1
121270823013	1374	471.1	5.09	56.6	9.5	26682	21.9	13.0	48.6
121270824103	789	229.4	6.36	13.0	18.4	41477	15.7	2.1	41.0
121270824012	1362	938.7	2.14	35.2	13.5	37700	22.8	0.8	46.4
121270824131	1488	732.7	4.62	25.2	14.8	48421	6.1	0.4	53.1
121270825112	711	651.8	1.84	8.4	26.0	37734	9.2	5.8	41.9
121270825081	1155	939.9	3.05	7.8	15.9	76964	6.1	0.5	52.2

GEOID10	HSE_UNITS	ACRES	DENPOP2010	PCT_MNRTY	PCT_65ABV	MEDHHINC	PCT_POV	PCT_OVHCL	PCT_EMPLOY
121270829032	601	2314.0	0.53	6.3	11.4	47961	7.2	2.4	31.6
121270830072	406	147.0	6.25	8.4	18.3	62109	4.1	2.0	64.5
121270902033	357	657.5	1.66	57.2	11.1	51583	20.4	6.5	64.4
121270902041	1092	23258.0	0.11	8.3	21.3	62589	2.0	0.0	51.8
121270908052	1430	1543.2	1.47	6.9	60.1	31682	10.6	6.1	23.0
121270910293	1243	1355.2	1.70	28.9	17.7	45230	15.2	0.5	59.3
121270832032	1234	9590.8	0.33	11.5	18.3	75118	9.6	0.0	50.7
120350603032	1053	2168.8	0.60	6.6	48.0	110482	1.7	0.9	28.7
120350601064	905	1293.1	0.68	8.0	24.7	50809	7.7	0.0	40.6
121270822013	1430	470.8	4.65	43.2	11.8	21662	39.2	5.6	47.4
121270822011	834	160.7	6.30	31.0	27.1	20282	43.2	23.6	25.9
121270822012	402	131.7	5.13	39.9	24.3	39167	11.3	5.2	19.8
121270822021	803	513.0	3.10	27.5	28.1	45673	14.3	1.3	45.2
121270823012	449	172.8	4.73	69.1	16.6	31546	9.9	4.4	68.0
121270902023	528	1211.5	1.16	16.9	27.9	48720	10.6	0.0	39.5
121270902022	730	831.8	1.72	14.3	23.9	46691	1.1	0.0	44.8
121270824121	1470	355.8	6.74	21.5	24.0	40179	17.9	2.9	46.7
121270824112	581	1229.4	0.76	11.6	44.6	63393	0.0	1.9	48.0
121270824141	2386	897.5	3.75	11.3	36.5	28049	16.0	1.9	47.8
121270825101	563	721.4	1.25	5.1	25.4	23274	20.9	2.8	45.2
121270825111	834	743.1	1.83	8.7	20.0	27098	10.6	5.1	34.6
121270908043	1382	888.8	3.43	15.5	15.3	50160	10.8	2.8	36.1
121270908042	587	973.4	1.57	26.9	8.3	42465	2.3	2.4	46.5
120350602043	717	739.0	2.51	30.8	11.8	45694	12.4	0.4	42.5
120350601032	326	279.1	1.94	17.3	33.2	81406	0.0	0.0	9.2
120350603012	1439	1846.5	1.33	9.6	44.4	77283	2.6	0.9	27.8
120350602102	897	402.0	4.58	28.5	33.4	53520	5.0	2.7	28.2
120350602122	1030	934.9	2.69	28.2	21.4	49250	6.0	0.7	37.0
120350602132	1121	965.0	2.78	36.2	12.1	51591	20.1	0.0	43.0
121270902021	1314	1165.5	2.33	25.4	24.7	33949	21.6	1.4	43.4
121270902024	270	162.6	2.61	27.5	23.3	31361	29.5	6.1	64.2
121270907013	796	2854.0	0.48	6.7	27.8	53107	14.9	1.2	50.3
121270907011	365	772.9	1.16	14.8	15.9	63693	5.1	0.0	43.6
121270907012	542	1577.4	0.84	15.2	15.4	63202	9.6	0.0	62.7

GEOID10	HSE_UNITS	ACRES	DENPOP2010	PCT_MNRTY	PCT_65ABV	MEDHHINC	PCT_POV	PCT_OVHCL	PCT_EMPLOY
121270825091	314	102.3	7.32	7.3	14.4	46250	10.6	0.0	54.6
121270825092	270	85.3	8.23	10.8	14.0	90556	0.0	0.0	60.5
121270825093	1196	2735.8	0.99	6.7	20.3	60055	5.2	0.3	49.7
121270826051	1052	631.5	1.82	9.2	30.9	38426	11.2	2.3	35.9
121270828011	1360	2840.3	0.91	5.9	25.9	51466	8.1	1.1	49.1
121270829041	1199	5278.5	0.39	4.3	41.2	73617	1.6	0.0	31.7
121270830052	953	548.0	2.72	2.3	60.0	41138	7.5	1.5	29.1
121270830061	1214	481.0	5.83	10.4	18.6	47780	8.7	0.7	44.2
121270830062	1058	441.6	5.55	7.7	18.5	50346	11.6	0.3	67.8
120350601072	1315	768.2	3.41	21.0	35.5	45787	7.7	1.1	35.2
120350601071	918	511.3	3.32	24.3	30.7	27433	16.7	4.4	31.6
120350602061	377	46242.5	0.02	13.8	21.7	46375	2.9	1.6	47.3
120350602053	1054	658.1	3.50	29.7	26.1	41042	8.3	1.6	29.9
120350601041	917	9440.8	0.20	26.1	27.0	57083	5.1	0.0	38.3
120350601053	909	754.1	2.15	12.4	43.0	54758	2.5	0.0	39.4
120350601031	1316	612.2	3.05	18.0	39.2	27067	9.7	11.9	34.7
121270809021	449	176.1	5.31	24.2	12.3	36285	13.2	0.0	43.5
121270809022	412	208.9	4.12	25.2	11.9	32250	2.3	2.4	57.0
121270907021	819	330.0	5.07	60.1	25.6	22841	36.8	10.4	23.7
121270907022	292	261.4	2.65	93.8	12.7	16563	36.7	11.7	16.7
121270907023	313	160.1	4.32	38.4	12.2	32019	30.1	4.2	26.6
121270909041	956	4647.3	0.47	11.4	19.7	57946	3.5	1.6	46.8
121270909042	844	543.4	3.82	20.4	12.9	72667	2.0	0.0	48.8
121270909043	495	303.3	3.47	9.4	17.4	51190	6.3	0.0	45.3
121079513003	653	30271.8	0.02	12.0	31.2	53906	11.1	0.5	45.4
121270825071	1083	645.6	3.36	12.2	30.3	63958	5.7	0.0	55.7
121270804003	423	233.1	2.55	10.9	22.6	47639	12.6	4.9	57.1
121270804004	849	465.2	2.91	6.7	34.2	53142	3.4	0.7	47.2
121270809011	901	254.1	6.98	49.5	11.6	27645	28.5	5.0	36.3
121270809012	343	292.6	2.68	11.2	13.6	34966	10.4	2.3	45.4
121270820003	363	353.4	1.62	24.3	50.8	19338	30.7	3.9	13.1
121270809023	555	164.5	6.41	26.2	14.8	59786	13.7	0.0	59.5
121270809024	341	130.1	5.70	29.8	14.2	51250	12.4	3.1	49.1
121270811021	374	268.3	2.47	15.8	20.2	37955	2.6	6.8	55.3

GEOID10	HSE_UNITS	ACRES	DENPOP2010	PCT_MNRTY	PCT_65ABV	MEDHHINC	PCT_POV	PCT_OVHCL	PCT_EMPLOY
121270813001	570	293.2	2.53	9.6	35.0	46302	10.4	1.2	40.9
121270825102	1414	413.3	5.75	7.1	31.0	32077	12.3	1.0	43.7
121270825103	320	203.5	3.04	5.5	25.2	58520	0.0	0.0	29.4
121270825082	769	689.8	2.74	9.1	14.7	52132	13.8	1.5	52.1
121270925001	457	3122.6	0.75	41.9	2.1	29583	43.4	1.8	23.4
121270925002	654	575.0	2.09	19.1	16.5	35406	26.8	2.2	126.0
121270925003	1162	476.1	4.23	47.8	12.6	31952	7.5	4.9	43.0
121270808071	883	1474.1	0.99	16.0	30.7	27109	18.5	8.3	38.7
121270910181	926	560.9	3.77	48.5	14.3	38773	19.1	3.5	30.4
121270910182	456	676.9	1.51	49.0	12.3	32946	18.2	4.3	32.7
121270910184	951	729.2	3.19	46.8	14.0	49750	5.3	0.0	48.0
121270910171	570	220.8	6.53	50.1	14.5	61058	4.8	0.5	40.9
121270817002	567	204.5	6.65	65.3	15.5	36411	17.2	0.0	39.6
121270817001	700	268.1	5.01	32.4	17.6	33104	31.0	5.4	39.4
121270823011	1586	3223.6	0.88	38.6	26.2	28594	32.8	3.1	40.6
121270816001	547	175.3	6.28	72.7	9.0	31053	8.7	6.5	34.2
121270816002	551	203.0	5.55	67.5	14.3	32375	35.3	2.2	41.5
121270817005	520	256.4	5.27	80.6	17.2	33875	33.2	1.3	37.6
121270826052	2245	710.2	3.12	6.9	55.6	51164	10.3	8.7	33.2
121270826041	455	305.8	2.14	12.5	16.5	77396	0.0	2.0	59.1
121270826042	1169	426.7	2.18	11.6	21.9	38462	16.0	1.4	49.1
121270826043	1122	390.8	2.49	7.5	42.6	49167	8.1	3.2	31.6
121270826071	1246	334.8	2.78	5.8	38.5	58533	10.2	5.3	43.6
121270828021	641	445.5	2.39	7.3	25.1	43272	23.9	2.4	26.8
121270828023	609	264.5	3.63	9.6	23.5	34308	10.3	10.7	45.3
121270829031	492	172.9	4.89	44.3	20.2	20903	43.3	7.7	42.2
121270829033	416	242.4	3.17	39.1	23.0	34773	23.0	7.0	31.6
121270908032	701	571.0	3.04	20.3	7.7	51507	2.6	0.0	40.2
121270830082	536	245.9	3.78	6.7	31.7	34554	17.4	0.0	64.4
121270809013	1034	266.0	5.79	18.1	47.8	23438	14.0	11.7	37.2
121270815001	1166	358.9	5.54	34.0	16.4	18470	38.6	9.2	37.8
121270826072	1051	807.7	1.54	6.9	28.4	69205	8.3	1.0	33.7
121270828022	1223	2961.5	0.65	4.7	28.9	55443	8.5	2.8	59.0
121270832084	1660	1856.5	2.09	13.2	21.0	80671	3.1	0.6	45.0

GEOID10	HSE_UNITS	ACRES	DENPOP2010	PCT_MNRTY	PCT_65ABV	MEDHHINC	PCT_POV	PCT_OVHCL	PCT_EMPLOY
121270832092	540	28144.3	0.04	9.0	10.7	66987	6.7	0.0	61.0
121270832071	2135	3331.2	1.30	10.2	34.2	59659	5.6	1.3	47.7
121270832072	428	11530.7	0.08	5.0	18.5	83456	14.5	2.0	63.5
121270832073	424	28589.6	0.03	14.4	14.0	51097	15.0	0.0	33.1
121270832051	299	9969.8	0.08	19.6	13.8	90078	6.5	0.0	35.4
121270832052	749	4386.2	0.32	23.2	14.7	73068	12.8	1.3	60.3
121270903041	720	1834.7	0.84	16.2	17.5	43958	10.4	2.7	57.0
121270802022	907	396.1	3.19	6.7	32.8	38173	11.1	1.0	35.9
121270826061	1598	1650.1	1.11	4.7	32.5	71484	4.7	1.0	47.3
121270803001	761	167.8	5.22	4.7	25.0	32125	13.6	5.0	47.0
121270804001	437	511.7	1.47	5.7	41.3	74667	5.8	1.3	39.0
121270805002	1044	652.2	2.30	10.6	29.3	31273	6.3	4.2	37.2
121270805001	573	399.0	2.32	11.1	19.8	56023	19.7	0.0	52.1
121270801001	2788	13205.8	0.36	7.5	37.7	60754	6.6	0.0	33.8
121270801002	1019	3852.6	0.47	6.5	42.2	48839	6.2	1.4	32.3
121270807001	786	508.8	3.35	6.6	25.9	51875	9.4	3.5	59.0
121270808033	330	197.4	3.88	9.5	15.7	36398	11.4	0.0	66.4
121270808032	856	461.2	3.92	11.8	18.4	36786	11.7	2.3	56.3
121270826062	1318	873.6	1.37	4.3	45.9	81471	14.2	1.7	31.7
121270910011	1188	1948.7	1.57	39.2	10.2	68869	1.8	0.0	39.7
121270909031	1189	524.8	3.86	11.4	47.9	55485	2.3	0.8	35.1
121270909032	1019	784.5	2.80	12.6	30.9	78934	2.0	1.3	36.2
121270807002	561	248.4	5.08	8.5	21.9	39408	5.9	0.9	31.1
121270808041	2503	2850.3	1.52	19.7	39.1	36429	12.4	5.9	33.5
121270808052	657	211.9	6.59	16.0	14.0	35984	23.5	2.0	30.0
121270808051	1264	354.7	5.42	8.7	40.7	24661	10.6	7.2	35.0
121270808053	996	426.2	5.55	19.0	13.5	37857	14.4	0.0	56.9
121270810001	763	495.0	2.42	17.5	19.5	23491	12.2	9.1	44.9
121270810002	436	110.9	6.41	15.6	17.0	31213	15.4	1.8	48.5
121270808072	821	363.8	4.36	10.3	25.9	73000	16.3	0.7	47.2
121270808073	802	656.5	2.62	6.6	29.1	66023	10.3	0.0	42.5
121270910172	904	507.9	4.32	41.6	13.5	42003	19.1	0.0	52.8
121270908033	719	4580.3	0.40	20.3	9.5	55840	10.0	0.0	54.1
121270821001	382	135.4	6.29	91.3	10.1	11605	56.4	16.7	18.1

GEOID10	HSE_UNITS	ACRES	DENPOP2010	PCT_MNRTY	PCT_65ABV	MEDHHINC	PCT_POV	PCT_OVHCL	PCT_EMPLOY
121270824111	1368	587.6	3.63	13.9	32.6	36295	14.7	0.8	46.9
121270910161	1016	346.1	6.50	46.4	14.0	34886	5.5	1.2	37.8
121270825061	1608	579.0	5.23	8.4	26.0	46179	10.8	1.5	61.9
121270810004	1093	262.8	3.61	17.9	14.1	20733	13.9	3.9	30.1
121270810003	514	404.5	2.50	23.2	14.0	47232	12.6	0.0	41.2
121270806001	762	589.4	2.57	12.9	25.5	42132	20.0	3.5	35.4
121270806002	1077	713.4	2.82	25.6	19.3	33750	19.5	3.5	45.2
121270808031	399	225.2	3.85	11.4	21.7	54844	0.0	1.6	50.5
121270830081	730	419.0	2.75	8.6	23.9	35307	11.3	6.7	30.6
121270830083	624	383.4	2.86	10.7	20.4	31228	8.0	3.0	46.0
121270827043	589	29078.5	0.02	6.3	27.3	76059	5.3	0.0	92.3
121270908061	1215	1294.4	1.55	43.0	27.4	21743	34.0	4.7	29.7
121270903071	880	789.6	2.54	35.3	21.3	28716	17.1	0.6	32.4
121270903072	1440	1145.0	2.43	24.2	17.0	37139	22.7	3.2	42.0
121270909021	989	2148.8	0.98	15.8	14.6	57500	7.9	0.6	56.5
121270909023	417	233.4	4.10	13.3	13.4	58021	9.8	0.0	41.6
121270909024	604	473.0	2.78	17.2	15.7	51136	10.5	2.1	50.5
121270825033	561	391.5	2.20	4.6	45.4	31607	6.1	1.6	11.6
121270824061	1140	530.7	4.78	9.8	20.4	55815	2.0	0.0	49.3
121270824102	926	296.2	4.67	9.0	47.9	31422	4.3	2.2	27.5
121270825062	800	608.7	2.25	14.1	21.8	44226	15.6	2.0	40.6
121270825072	1546	465.9	6.33	9.4	23.2	41917	15.7	3.3	43.0
121270825073	835	293.3	6.00	11.0	14.1	35887	20.7	2.5	47.1
121270909025	482	408.6	2.75	13.7	15.6	49079	8.4	2.7	53.4
121270910281	677	250.7	6.71	51.5	13.6	42552	18.6	2.3	48.4
121270910282	1081	850.9	3.15	47.4	15.3	52796	11.2	1.4	48.6
121270910241	1441	805.8	4.59	50.6	10.3	50909	16.1	2.0	42.1
121270910193	740	1510.6	1.23	38.0	15.3	37708	11.5	0.0	35.6
121270910201	1200	1929.2	1.74	49.1	7.0	48275	16.4	1.9	46.6
121270910151	1331	783.5	3.80	41.9	17.3	44661	11.8	2.4	38.4
121270910152	460	194.5	5.02	40.9	19.9	68900	16.7	1.4	50.7
121270824011	769	448.5	2.77	37.8	13.7	21857	20.0	15.3	38.0
121270824041	655	164.4	8.74	24.2	13.2	42379	11.5	1.4	56.6
121270910162	680	285.4	5.20	43.3	17.2	35128	8.0	0.7	50.9

GEOID10	HSE_UNITS	ACRES	DENPOP2010	PCT_MNRTY	PCT_65ABV	MEDHHINC	PCT_POV	PCT_OVHCL	PCT_EMPLOY
121270910163	872	420.6	5.07	47.4	17.9	38900	14.2	2.0	31.7
121270910271	1214	774.8	3.96	41.9	13.6	53026	3.5	0.5	39.3
121270910272	1421	824.5	4.56	44.9	16.4	52160	9.4	1.0	40.9
121270832091	1850	127915. 1	0.03	9.4	12.7	69226	9.4	0.3	45.4
121270903031	643	7266.8	0.21	11.4	14.7	60000	8.9	0.0	47.0
121270903032	709	2465.1	0.52	24.3	27.5	33333	21.6	2.7	29.3
121270824042	666	343.7	3.61	14.6	20.1	35581	4.4	0.7	59.1
121270825034	914	427.8	4.08	11.8	25.8	34279	11.5	2.6	38.2
121270825031	856	370.7	4.98	11.6	11.7	46491	6.4	2.9	61.2
121270825032	610	337.2	3.92	17.2	16.7	37794	8.4	0.9	41.2
121270824053	757	249.7	4.72	12.0	36.2	29297	21.1	3.1	27.0
121270824052	307	97.0	7.17	12.2	19.6	46250	3.2	1.3	57.6
121270824051	670	193.4	6.92	13.3	18.8	38287	17.3	4.6	39.1
121270824054	343	137.6	5.53	6.2	23.5	48068	7.8	0.0	62.2
121270901011	930	24021.1	0.09	15.3	15.6	46335	5.0	0.0	47.5
121270901021	1295	39244.9	0.07	52.0	15.4	42641	14.8	1.1	39.3
121270901012	1027	44602.5	0.06	37.7	16.2	34900	36.6	1.6	36.5
121270824101	1327	798.0	3.55	15.7	13.8	46076	9.7	0.0	52.4
121270903042	584	266.2	4.43	26.0	15.6	44266	25.1	6.3	53.0
121270903043	800	467.9	3.77	16.3	15.9	44082	6.2	1.6	36.4
121270802011	1071	442.9	3.03	5.4	38.2	46036	1.4	1.0	45.5
121270829021	769	1800.8	0.88	5.7	17.7	39900	5.4	2.8	57.4
121270829023	613	1057.7	1.19	19.2	13.1	25763	30.9	6.2	72.9
121270910013	459	5715.2	0.15	6.0	32.7	35375	7.8	0.0	21.1
AVERAGE	888.51	3526.10	3.02	25.1	21.86	45984	13.6	2.6	42.3



2040 Long Range Transportation Plan Environmental Justice Analysis



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