



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, polices, 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) statues 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 statues, 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.

When creating the figures contained within this Environmental Justice analysis, data break points were determined based upon the State of Florida averages for each Environmental Justice subtopic. This was done to create a context and comparison for the River to Sea TPO MPA data.

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 0.76 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 northeast, east, and southwest 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 southwestern 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	13,078	223	1.91%	-	-
Flagler County Total	97,840	95,696	2,144	2.20%	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	116,715	-1,415	-1.22%	-	-
Volusia County Total	498,918	494,593	4,325	0.87%	379,427	-
MPA TOTAL	596,758	590,289	6,469	1.1%	462,326	-

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

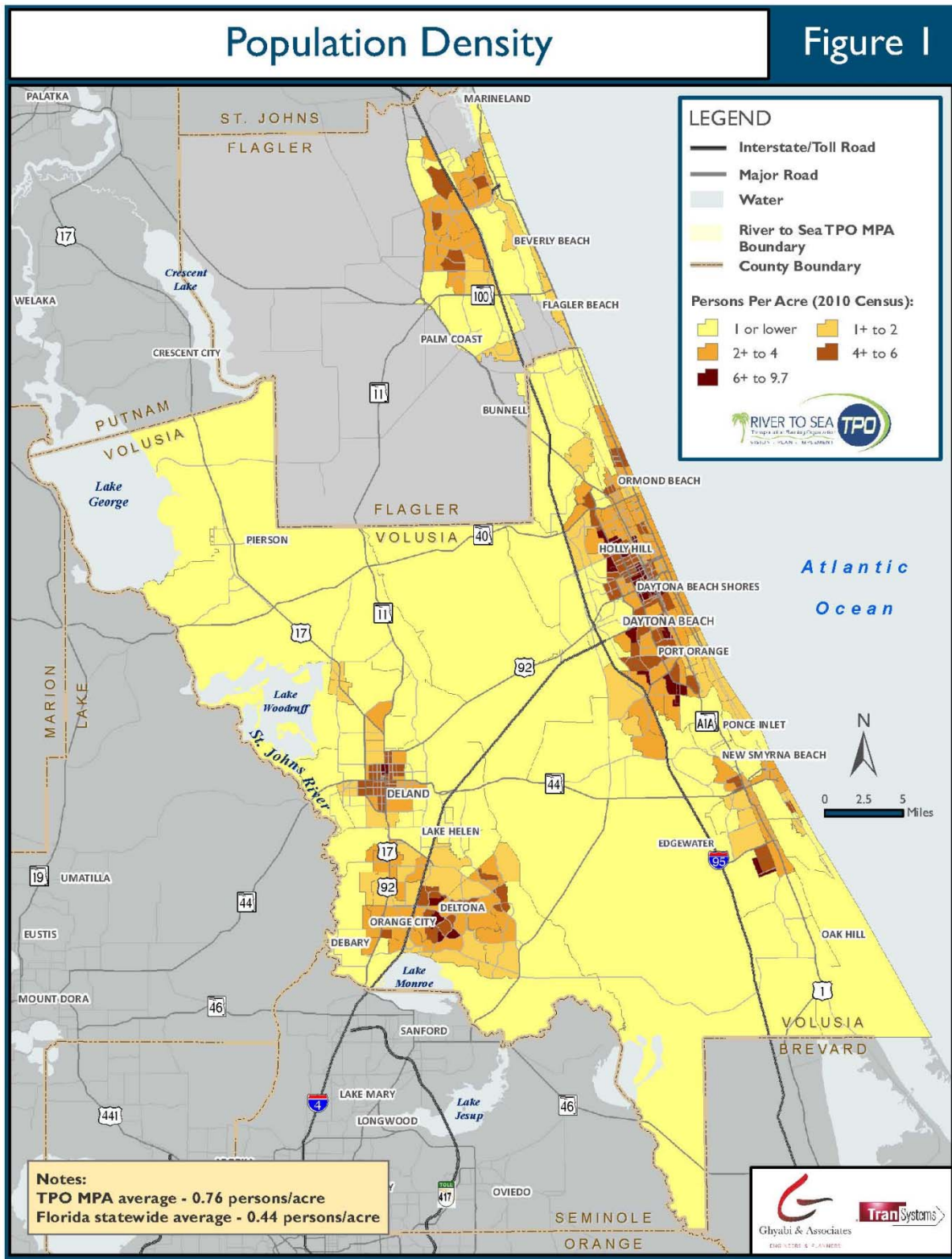


Figure 1: River to Sea TPO MPA Population Density

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

2014 Federally Recognized Poverty Levels

As depicted in Figure 2, 12.6% 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.

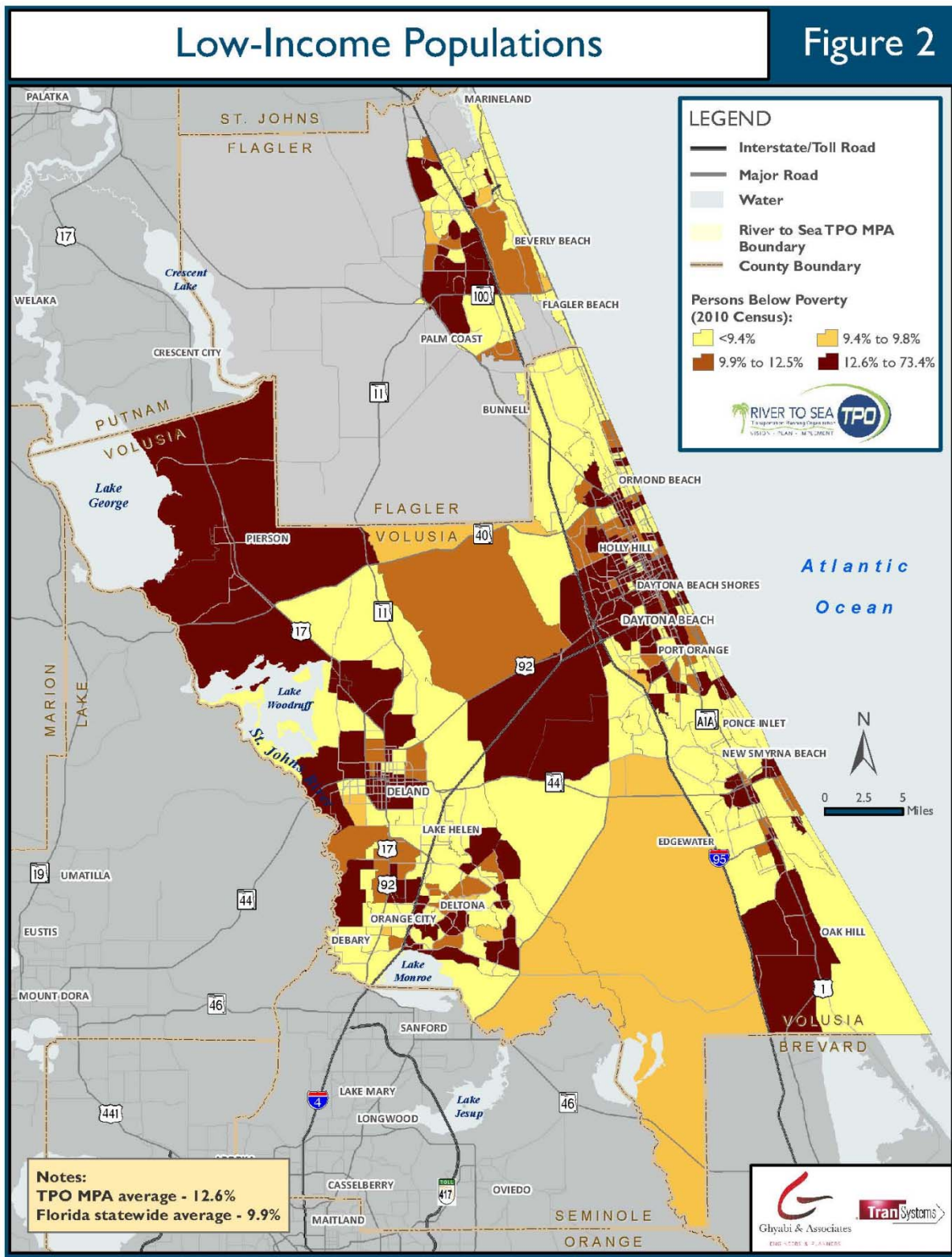


Figure 2: River to Sea TPO MPA Low-Income Populations

- 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 absolute value and percentage 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 (43.2%). Other large concentrations of residents, based on percentage, are located in Bunnell (36.2%), Daytona Beach (30.2%), Holly Hill (27.6%), and DeLand (21.2%). Measuring the population living below the poverty level in terms of absolute values, Daytona Beach (17,058), Palm Coast (11,124), and Deltona (11,089) 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	Population for whom poverty status is determined	Population Below Poverty Level	Percent Below Poverty Level
Flagler County			
Beverly Beach	416	47	11.3%
Bunnell	2,474	895	36.2%
Flagler Beach	4,606	251	5.4%
Palm Coast	74,651	11,124	14.9%
Unincorporated Flagler County	13,058	1,431	11.0%
Flagler County Total	95,205	13,748	14.4%
Volusia County			
Daytona Beach	56,461	17,058	30.2%
Daytona Beach Shores	4,275	306	7.2%
DeBary	19,125	1,219	6.4%
DeLand	24,364	5,159	21.2%
Deltona	84,749	11,089	13.1%
Edgewater	20,751	2,537	12.2%
Holly Hill	11,631	3,211	27.6%
Lake Helen	2,586	308	11.9%
New Smyrna Beach	22,469	3,135	14.0%
Oak Hill	1,914	262	13.7%
Orange City	10,393	2,291	22.0%
Ormond Beach	37,815	4,239	11.2%
Pierson	1,700	734	43.2%
Ponce Inlet	3,034	84	2.8%
Port Orange	55,917	5,874	10.5%
South Daytona	12,333	2,760	22.4%
Unincorporated Volusia County	113,393	17,109	15.1%
Volusia County Total	482,910	77,375	16.0%
MPA Total	578,115	91,123	15.8%

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 24.7% 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 western portion of Flagler County. 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. This area is comprised of 65.8% minority populations.

- 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	-

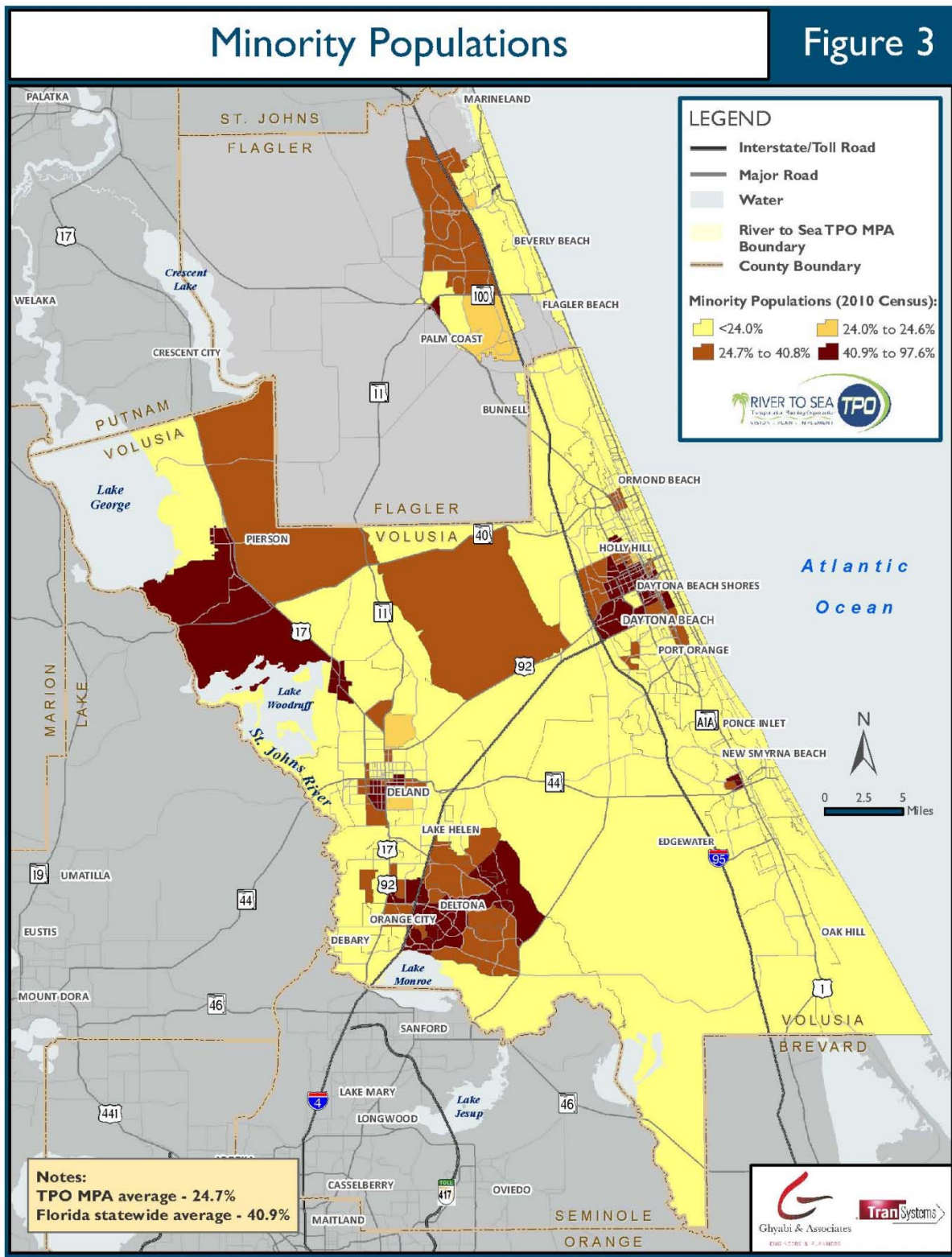


Figure 3: River to Sea TPO MPA Minority Populations

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. Elderly residents comprise 40.1% of the River to Sea TPO MPA. This figure is approximately 23% 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.

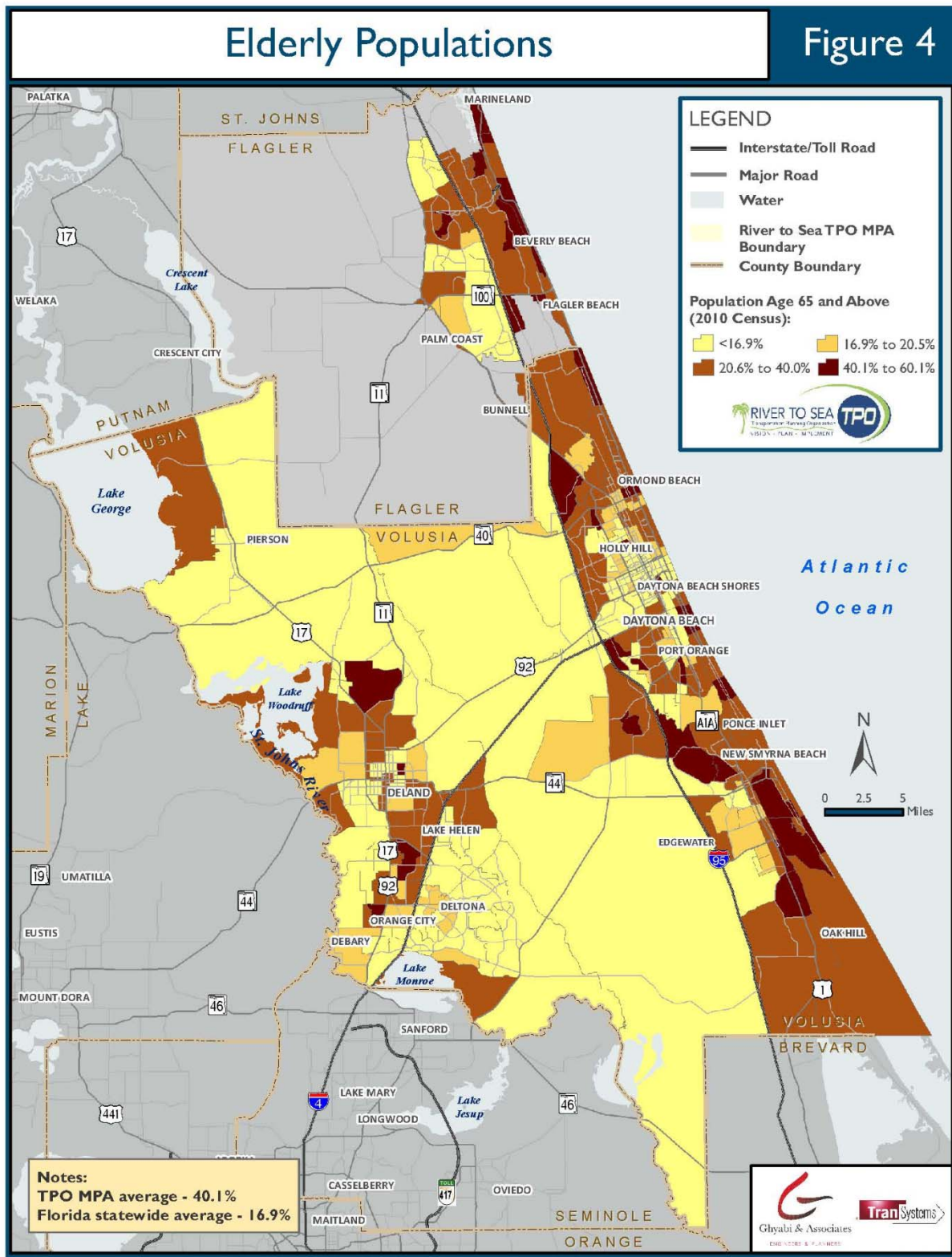


Figure 4: River to Sea TPO MPA Elderly Populations

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 (2.2%) 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.

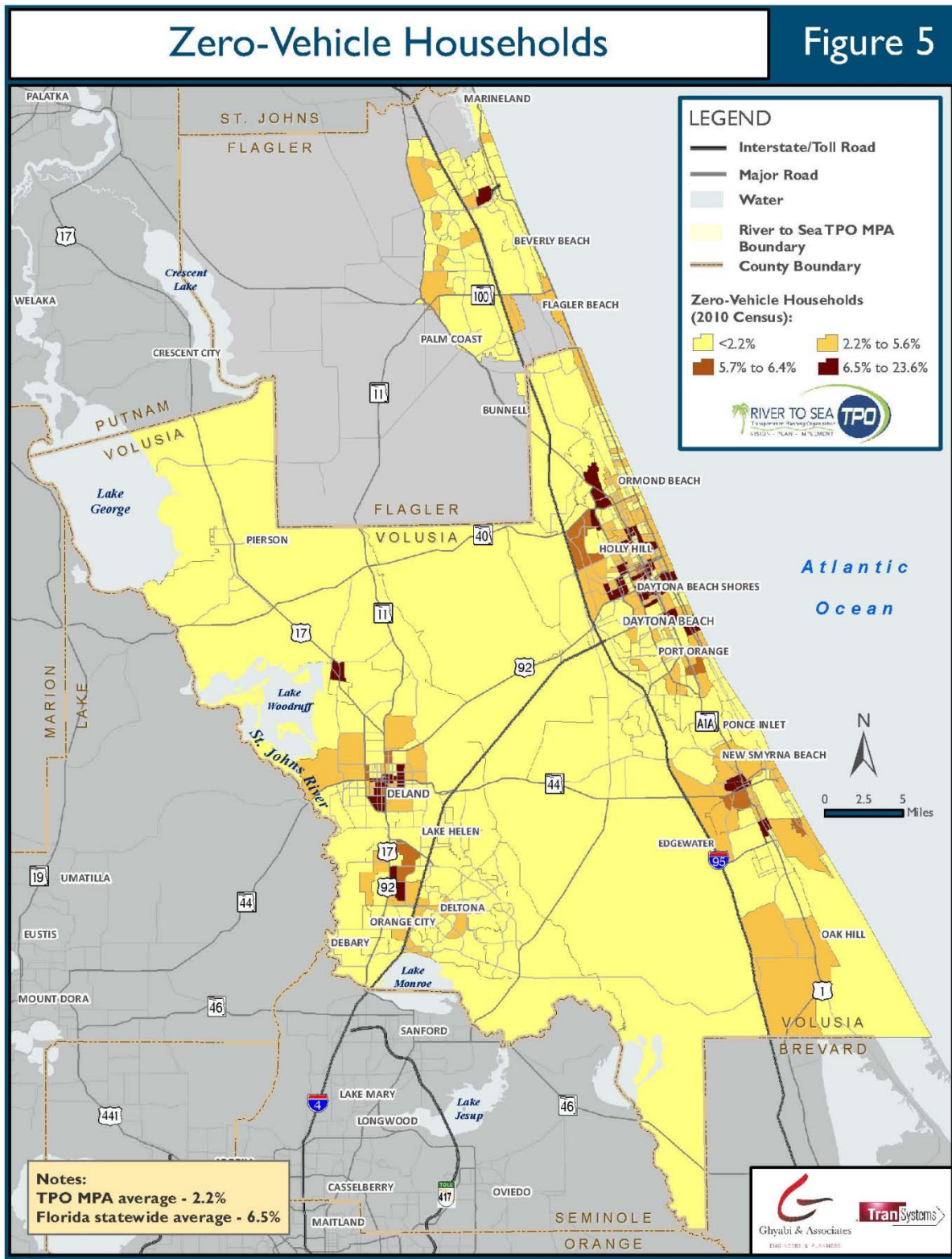


Figure 5: River to Sea TPO MPA Zero-Vehicle Households

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. Data for these tables was derived from the 2012 American Community Survey. The median household income in the TPO MPA is \$46,333 per household. This figure falls slightly below the Florida statewide number of \$47,661 per household.

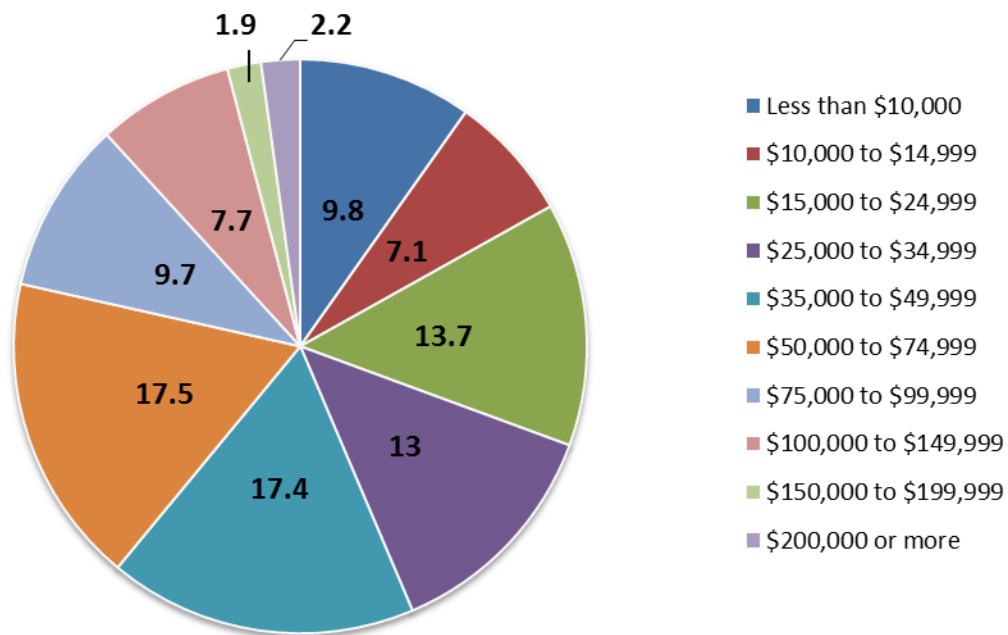
Median household income information for the entire River to Sea TPO MPA is depicted in Figure 6 and further described below.

- 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.

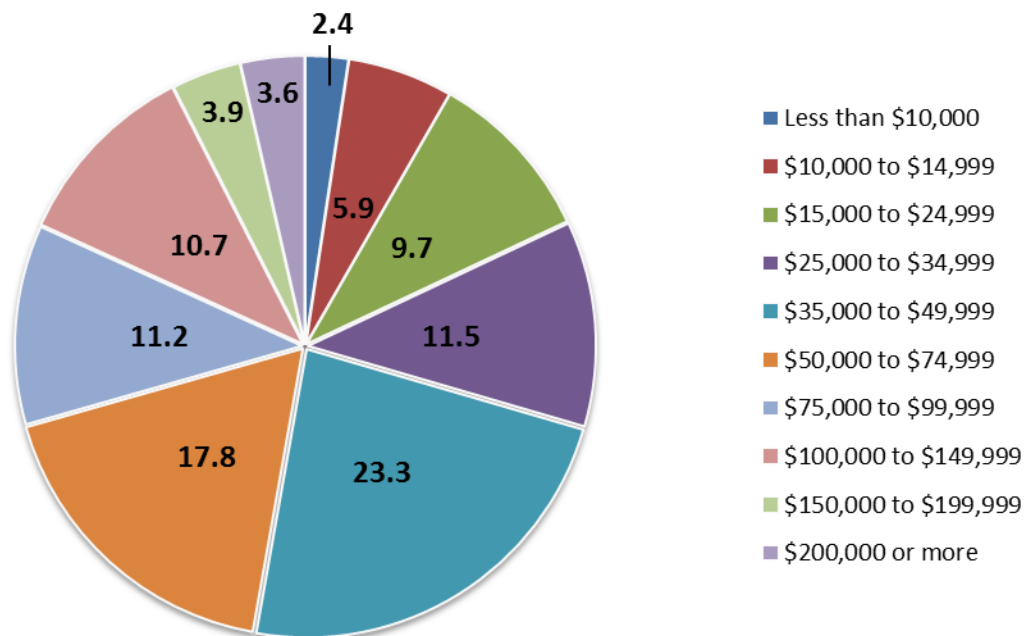
- Southeast of Orange City along Veterans Memorial Parkway is one of these low median household income areas.
- In the western portion of the TPO MPA, generally surrounding the intersection of US 17/92 and SR 44 in DeLand, median household income consistently falls between \$25,000 - \$30,000.
- Populations 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.

Table 4: Volusia County Household Income Level



Source: 2012 American Community Survey Estimates

Table 5: Flagler County Household Income Level



Source: 2012 American Community Survey Estimates

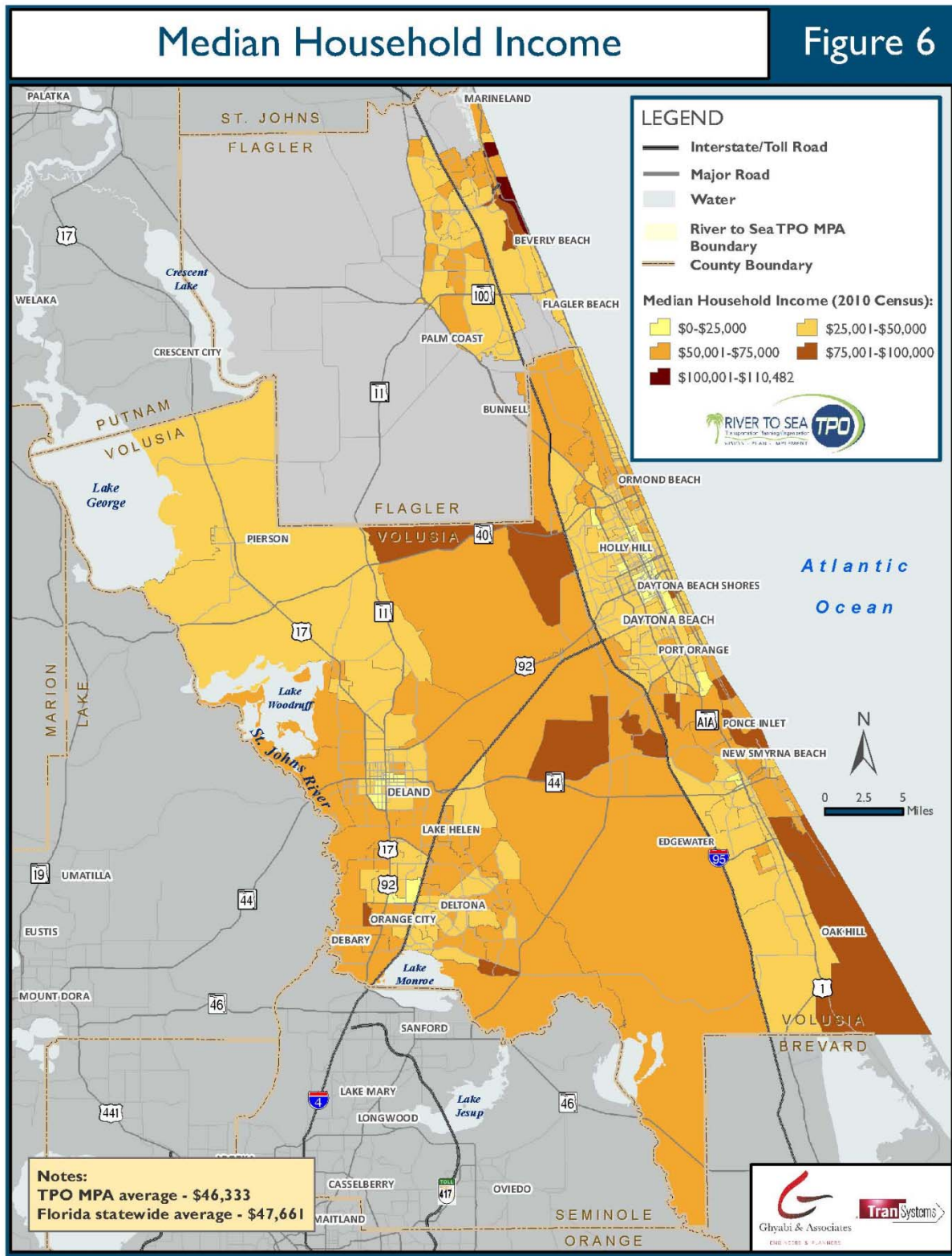


Figure 6: River to Sea TPO MPA Median Household Income

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.

The average employment density within the River to Sea TPO MPA is 0.3 employed civilians per acre, higher than the State of Florida average of 0.2 employed civilians per acre. 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.

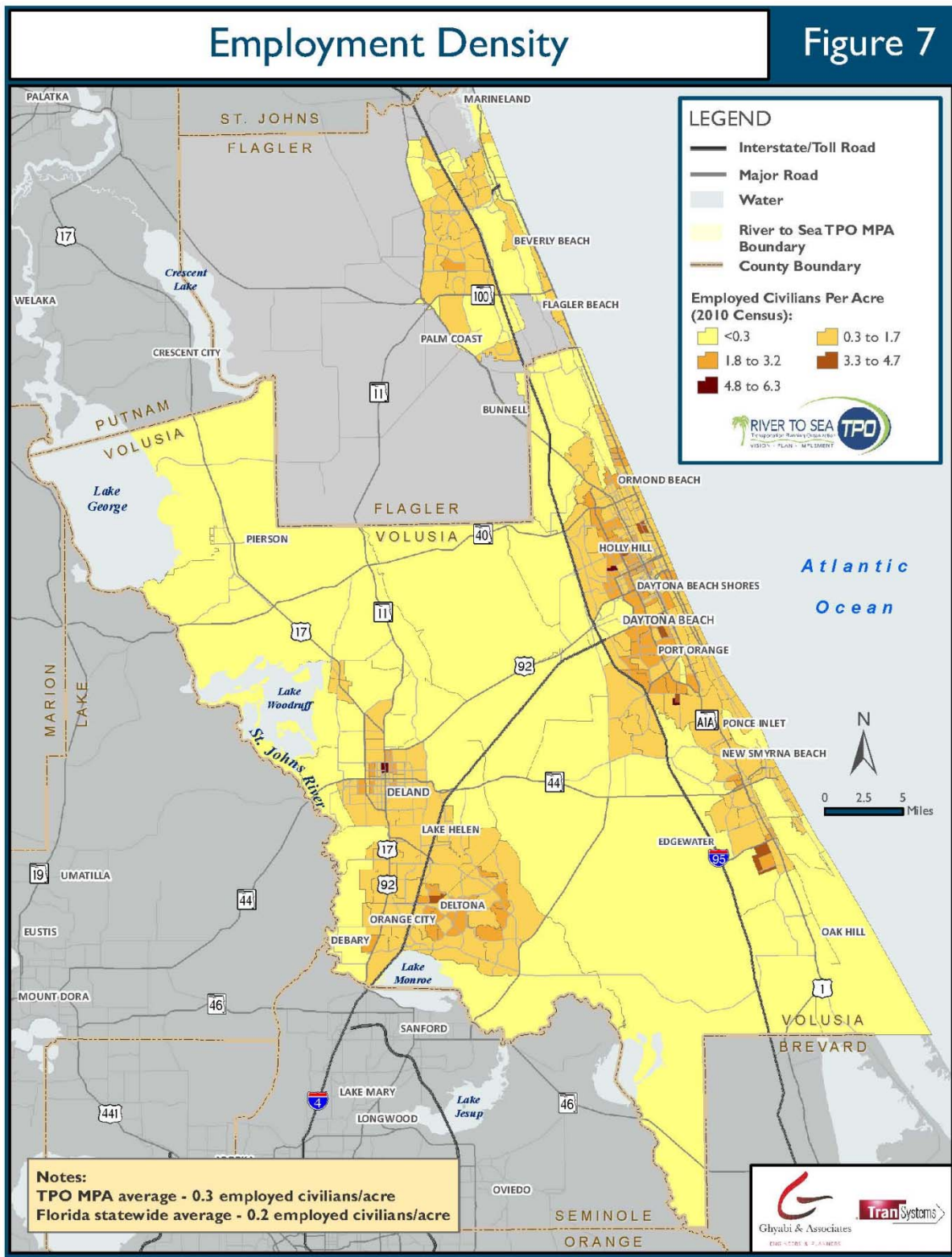


Figure 7: River to Sea TPO MPA Employment Density

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:

- GEOID2010 – 2010 Census Block Group ID.
- AREA_LAND – Total land area (in acres) of the block group that is within the River to Sea TPO boundaries.
- DENPOP2010 – Population density (number of people per acre) of each block group.
- PCT_POV – Percentage of people in each block group who are living below the poverty level.
- 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.
- PCT_OVEH – Percentage of households in each block group without a vehicle.
- MEDHHINC – Median household income in the past 12 months (in 2010 inflation-adjusted dollars) in each block group.
- DENEMPLOY – Number of people (age 16 and older) per acre in each block group who are employed in the civilian labor force.
- HSE_UNITS – Number of housing units located within the block group.

GEOID2010	AREA_LAND	DENPOP2010	PCT_POV	PCT_MNRTY	PCT_65ABV	PCT_OVEH	MEDHHINC	DENEMPLOY	HSE_UNITS
120350601031	585	3.05	9.7	18.0	39.2	11.9	27,067	1.06	1,316
120350601032	275	1.94	0.0	17.3	33.2	0.0	81,406	0.18	326
120350601041	1,436	0.20	5.1	26.1	27.0	0.0	57,083	0.08	917
120350601042	772	2.60	3.6	19.2	32.8	0.0	60,089	0.78	995
120350601051	163	2.53	12.8	13.0	25.1	0.0	74,875	0.29	418
120350601052	325	4.22	3.3	13.7	33.6	0.0	53,446	1.49	896
120350601053	575	2.15	2.5	12.4	43.0	0.0	54,758	0.85	909
120350601061	507	0.33	0.0	13.3	27.3	0.0	108,906	0.00	556
120350601062	373	1.81	6.9	7.2	41.4	2.5	41,354	0.33	478
120350601063	689	0.41	2.7	6.1	41.9	0.0	62,333	0.28	1,047
120350601064	820	0.68	7.7	8.0	24.7	0.0	50,809	0.28	905
120350601071	499	3.32	16.7	24.3	30.7	4.4	27,433	1.05	918
120350601072	737	3.41	7.7	21.0	35.5	1.1	45,787	1.20	1,315
120350602041	2,485	0.53	13.5	29.8	15.3	2.3	47,857	0.22	522
120350602042	766	4.17	6.9	30.8	14.6	0.4	43,250	1.57	1,251
120350602043	657	2.51	12.4	30.8	11.8	0.4	45,694	1.07	717
120350602044	808	0.77	2.8	28.9	13.1	0.0	65,484	0.27	613
120350602051	492	4.47	5.9	29.1	26.4	0.0	60,833	1.34	955
120350602052	908	3.05	8.6	34.8	21.4	1.3	39,816	1.25	1,267
120350602053	658	3.50	8.3	29.7	26.1	1.6	41,042	1.05	1,054
120350602061	157	0.02	2.9	13.8	21.7	1.6	46,375	0.01	377
120350602071	1,100	0.03	6.6	7.1	38.2	0.5	60,278	0.01	1,191
120350602072	2,445	0.83	16.9	21.7	16.9	0.0	50,161	0.38	933
120350602073	456	0.42	42.1	65.8	19.1	2.5	28,594	0.12	443
120350602081	6,021	0.48	8.0	24.1	8.1	0.7	44,565	0.22	1,374
120350602082	1,504	1.07	11.1	24.2	9.7	0.4	40,049	0.41	1,251
120350602091	933	2.39	16.1	24.7	27.8	0.0	65,820	1.07	1,044
120350602092	2,004	0.93	14.8	18.0	22.8	2.3	45,958	0.35	1,071
120350602093	824	3.35	10.1	32.5	11.7	0.6	51,319	1.23	1,158
120350602101	848	2.34	9.5	30.3	29.2	1.2	47,813	0.82	900
120350602102	402	4.58	5.0	28.5	33.4	2.7	53,520	1.29	897
120350602111	501	3.97	14.3	29.1	34.7	0.0	49,388	1.69	932
120350602112	693	3.01	7.3	25.0	40.9	0.8	42,730	1.20	1,071
120350602113	613	3.66	10.7	33.2	24.1	0.8	48,173	1.05	1,031
120350602121	731	3.73	12.7	34.1	17.3	2.9	36,157	1.60	1,176
120350602122	931	2.69	6.0	28.2	21.4	0.7	49,250	1.00	1,030
120350602131	2,585	1.10	18.5	35.1	14.3	1.6	39,600	0.41	1,197
120350602132	952	2.78	20.1	36.2	12.1	0.0	51,591	1.19	1,121
120350602141	655	3.66	30.0	37.1	10.6	2.2	34,076	1.64	988
120350602142	502	4.26	6.5	32.0	15.5	2.1	57,159	1.41	920
120350602143	600	4.05	18.3	31.1	12.8	2.1	55,395	1.93	1,020

GEOID2010	AREA_LAND	DENPOP2010	PCT_POV	PCT_MNRTY	PCT_65ABV	PCT_OVEH	MEDHHINC	DENEMPLOY	HSE_UNITS
120350603011	8,536	0.24	11.4	18.1	28.5	1.5	30,795	0.06	1,175
120350603012	1,811	1.33	2.6	9.6	44.4	0.9	77,283	0.37	1,439
120350603021	272	1.80	9.5	4.8	30.9	5.1	44,778	1.00	623
120350603022	230	1.32	0.0	4.2	39.7	2.9	45,327	0.30	918
120350603023	624	1.15	6.5	5.5	23.2	4.1	48,639	0.45	932
120350603031	297	1.08	8.4	2.5	49.9	1.7	44,107	0.57	789
120350603032	980	0.60	1.7	6.6	48.0	0.9	110,482	0.17	1,053
120350603041	1,693	0.30	8.3	4.5	41.8	3.1	48,779	0.09	1,341
121270801001	12,054	0.36	6.6	7.5	37.7	0.0	60,754	0.12	2,788
121270801002	3,712	0.47	6.2	6.5	42.2	1.4	48,839	0.15	1,019
121270801003	1,792	1.12	5.6	7.1	20.6	0.0	65,481	0.42	1,001
121270802011	277	3.03	1.4	5.4	38.2	1.0	46,036	1.38	1,071
121270802012	889	0.78	5.2	6.4	44.8	3.6	46,094	0.21	879
121270802021	297	3.17	10.5	6.5	35.6	1.1	42,560	1.26	1,135
121270802022	256	3.19	11.1	6.7	32.8	1.0	38,173	1.14	907
121270803001	112	5.22	13.6	4.7	25.0	5.0	32,125	2.45	761
121270803002	153	4.74	7.4	5.9	22.5	1.7	37,417	2.79	896
121270803003	183	4.63	17.3	5.1	31.9	5.0	43,500	2.19	1,147
121270804001	273	1.47	5.8	5.7	41.3	1.3	74,667	0.57	437
121270804002	188	2.19	3.6	5.0	25.8	0.0	96,198	0.80	350
121270804003	153	2.55	12.6	10.9	22.6	4.9	47,639	1.46	423
121270804004	321	2.91	3.4	6.7	34.2	0.7	53,142	1.37	849
121270805001	181	2.32	19.7	11.1	19.8	0.0	56,023	1.21	573
121270805002	363	2.30	6.3	10.6	29.3	4.2	31,273	0.86	1,044
121270806001	413	2.57	20.0	12.9	25.5	3.5	42,132	0.91	762
121270806002	545	2.82	19.5	25.6	19.3	3.5	33,750	1.28	1,077
121270807001	330	3.35	9.4	6.6	25.9	3.5	51,875	1.98	786
121270807002	247	5.08	5.9	8.5	21.9	0.9	39,408	1.58	561
121270807003	1,178	0.56	2.8	10.0	25.1	1.7	61,227	0.23	699
121270808031	225	3.85	0.0	11.4	21.7	1.6	54,844	1.94	399
121270808032	461	3.92	11.7	11.8	18.4	2.3	36,786	2.20	856
121270808033	197	3.88	11.4	9.5	15.7	0.0	36,398	2.58	330
121270808034	514	3.13	9.1	13.2	17.5	0.8	37,358	1.41	760
121270808041	2,849	1.52	12.4	19.7	39.1	5.9	36,429	0.51	2,503
121270808042	943	2.79	17.6	17.5	16.9	0.5	37,292	0.79	1,364
121270808051	355	5.42	10.6	8.7	40.7	7.2	24,661	1.90	1,264
121270808052	212	6.59	23.5	16.0	14.0	2.0	35,984	1.98	657
121270808053	426	5.55	14.4	19.0	13.5	0.0	37,857	3.16	996
121270808061	734	3.62	8.2	13.2	21.5	0.0	49,643	1.46	1,323
121270808071	1,443	0.99	18.5	16.0	30.7	8.3	27,109	0.38	883
121270808072	364	4.36	16.3	10.3	25.9	0.7	73,000	2.06	821

GEOID2010	AREA_LAND	DENPOP2010	PCT_POV	PCT_MNRTY	PCT_65ABV	PCT_OVEH	MEDHHINC	DENEMPLOY	HSE_UNITS
121270808073	650	2.62	10.3	6.6	29.1	0.0	66,023	1.12	802
121270809011	253	6.98	28.5	49.5	11.6	5.0	27,645	2.54	901
121270809012	293	2.68	10.4	11.2	13.6	2.3	34,966	1.22	343
121270809013	266	5.79	14.0	18.1	47.8	11.7	23,438	2.16	1,034
121270809021	176	5.31	13.2	24.2	12.3	0.0	36,285	2.31	449
121270809022	209	4.12	2.3	25.2	11.9	2.4	32,250	2.35	412
121270809023	164	6.41	13.7	26.2	14.8	0.0	59,786	3.82	555
121270809024	130	5.70	12.4	29.8	14.2	3.1	51,250	2.80	341
121270810001	302	2.42	12.2	17.5	19.5	9.1	23,491	1.09	763
121270810002	111	6.41	15.4	15.6	17.0	1.8	31,213	3.11	436
121270810003	245	2.50	12.6	23.2	14.0	0.0	47,232	1.03	514
121270810004	206	3.61	13.9	17.9	14.1	3.9	20,733	1.09	1,093
121270811011	164	5.63	1.6	16.3	30.3	1.9	54,420	3.76	963
121270811012	168	3.12	8.6	13.6	36.3	4.1	48,438	1.21	1,266
121270811021	175	2.47	2.6	15.8	20.2	6.8	37,955	1.37	374
121270811022	227	2.70	13.0	9.0	22.8	3.0	36,023	0.84	898
121270812001	147	3.83	16.9	17.0	10.4	3.8	26,583	1.75	926
121270812002	219	3.98	10.5	19.0	19.6	3.9	30,133	1.42	1,185
121270812003	181	2.73	20.6	19.2	11.5	2.8	29,063	0.74	832
121270813001	152	2.53	10.4	9.6	35.0	1.2	46,302	1.04	570
121270813002	182	3.84	24.2	15.2	13.2	6.7	35,000	1.83	1,104
121270815001	286	5.54	38.6	34.0	16.4	9.2	18,470	2.09	1,166
121270816001	175	6.28	8.7	72.7	9.0	6.5	31,053	2.15	547
121270816002	203	5.55	35.3	67.5	14.3	2.2	32,375	2.30	551
121270817001	268	5.01	31.0	32.4	17.6	5.4	33,104	1.98	700
121270817002	204	6.65	17.2	65.3	15.5	0.0	36,411	2.63	567
121270817003	127	9.73	24.3	87.3	12.4	2.5	47,807	6.25	488
121270817004	276	5.67	38.5	53.6	20.0	7.0	15,192	1.06	826
121270817005	256	5.27	33.2	80.6	17.2	1.3	33,875	1.99	520
121270818001	162	4.25	23.6	79.5	11.9	1.9	29,487	2.17	272
121270818002	402	3.77	37.1	78.7	16.8	11.0	28,568	1.36	632
121270818003	160	3.29	0.0	78.3	19.2	0.0	45,607	2.21	238
121270819001	231	6.61	65.5	95.9	11.2	10.7	14,310	1.79	552
121270819002	110	7.91	43.2	97.6	11.6	2.4	25,464	1.40	371
121270820001	152	3.88	32.0	90.0	15.6	15.2	19,879	0.92	427
121270820002	276	4.85	61.7	88.7	2.4	0.0	11,782	1.18	233
121270820003	196	1.62	30.7	24.3	50.8	3.9	19,338	0.21	363
121270821001	135	6.29	56.4	91.3	10.1	16.7	11,605	1.14	382
121270821002	158	8.81	65.4	94.5	7.6	15.8	9,573	2.56	496
121270821003	164	4.52	73.4	93.6	9.6	3.4	8,487	0.58	322
121270821004	153	5.28	32.2	91.6	15.9	12.6	31,875	2.65	380

GEOID2010	AREA_LAND	DENPOP2010	PCT_POV	PCT_MNRTY	PCT_65ABV	PCT_OVEH	MEDHHINC	DENEMPLOY	HSE_UNITS
121270821005	119	6.60	45.7	96.2	14.7	22.9	15,962	2.68	350
121270822011	120	6.30	43.2	31.0	27.1	23.6	20,282	1.63	834
121270822012	132	5.13	11.3	39.9	24.3	5.2	39,167	1.02	402
121270822013	286	4.65	39.2	43.2	11.8	5.6	21,662	2.20	1,430
121270822021	513	3.10	14.3	27.5	28.1	1.3	45,673	1.40	803
121270823011	3,224	0.88	32.8	38.6	26.2	3.1	28,594	0.36	1,586
121270823012	173	4.73	9.9	69.1	16.6	4.4	31,546	3.22	449
121270823013	471	5.09	21.9	56.6	9.5	13.0	26,682	2.47	1,374
121270824011	219	2.77	20.0	37.8	13.7	15.3	21,857	1.06	769
121270824012	430	2.14	22.8	35.2	13.5	0.8	37,700	0.99	1,362
121270824041	164	8.74	11.5	24.2	13.2	1.4	42,379	4.95	655
121270824042	344	3.61	4.4	14.6	20.1	0.7	35,581	2.13	666
121270824051	193	6.92	17.3	13.3	18.8	4.6	38,287	2.71	670
121270824052	93	7.17	3.2	12.2	19.6	1.3	46,250	4.13	307
121270824053	236	4.72	21.1	12.0	36.2	3.1	29,297	1.27	757
121270824054	138	5.53	7.8	6.2	23.5	0.0	48,068	3.44	343
121270824061	531	4.78	2.0	9.8	20.4	0.0	55,815	2.35	1,140
121270824101	798	3.55	9.7	15.7	13.8	0.0	46,076	1.86	1,327
121270824102	296	4.67	4.3	9.0	47.9	2.2	31,422	1.29	926
121270824103	229	6.36	15.7	13.0	18.4	2.1	41,477	2.61	789
121270824111	588	3.63	14.7	13.9	32.6	0.8	36,295	1.70	1,368
121270824112	1,229	0.76	0.0	11.6	44.6	1.9	63,393	0.37	581
121270824121	356	6.74	17.9	21.5	24.0	2.9	40,179	3.15	1,470
121270824131	733	4.62	6.1	25.2	14.8	0.4	48,421	2.45	1,488
121270824141	897	3.75	16.0	11.3	36.5	1.9	28,049	1.80	2,386
121270824151	414	5.97	18.5	19.2	35.3	0.9	29,066	2.03	1,602
121270825031	369	4.98	6.4	11.6	11.7	2.9	46,491	3.05	856
121270825032	337	3.92	8.4	17.2	16.7	0.9	37,794	1.62	610
121270825033	392	2.20	6.1	4.6	45.4	1.6	31,607	0.26	561
121270825034	428	4.08	11.5	11.8	25.8	2.6	34,279	1.56	914
121270825061	579	5.23	10.8	8.4	26.0	1.5	46,179	3.24	1,608
121270825062	609	2.25	15.6	14.1	21.8	2.0	44,226	0.91	800
121270825071	646	3.36	5.7	12.2	30.3	0.0	63,958	1.87	1,083
121270825072	466	6.33	15.7	9.4	23.2	3.3	41,917	2.72	1,546
121270825073	290	6.00	20.7	11.0	14.1	2.5	35,887	2.83	835
121270825081	940	3.05	6.1	7.8	15.9	0.5	76,964	1.59	1,155
121270825082	690	2.74	13.8	9.1	14.7	1.5	52,132	1.43	769
121270825091	102	7.32	10.6	7.3	14.4	0.0	46,250	4.00	314
121270825092	85	8.23	0.0	10.8	14.0	0.0	90,556	4.99	270
121270825093	2,122	0.99	5.2	6.7	20.3	0.3	60,055	0.49	1,196
121270825101	437	1.25	20.9	5.1	25.4	2.8	23,274	0.57	563

GEOID2010	AREA_LAND	DENPOP2010	PCT_POV	PCT_MNRTY	PCT_65ABV	PCT_OVEH	MEDHHINC	DENEMPLOY	HSE_UNITS
121270825102	413	5.75	12.3	7.1	31.0	1.0	32,077	2.51	1,414
121270825103	165	3.04	0.0	5.5	25.2	0.0	58,520	0.89	320
121270825111	392	1.83	10.6	8.7	20.0	5.1	27,098	0.63	834
121270825112	307	1.84	9.2	8.4	26.0	5.8	37,734	0.77	711
121270826041	144	2.14	0.0	12.5	16.5	2.0	77,396	1.27	455
121270826042	201	2.18	16.0	11.6	21.9	1.4	38,462	1.07	1,169
121270826043	170	2.49	8.1	7.5	42.6	3.2	49,167	0.79	1,122
121270826051	232	1.82	11.2	9.2	30.9	2.3	38,426	0.66	1,052
121270826052	277	3.12	10.3	6.9	55.6	8.7	51,164	1.04	2,245
121270826061	871	1.11	4.7	4.7	32.5	1.0	71,484	0.53	1,598
121270826062	463	1.37	14.2	4.3	45.9	1.7	81,471	0.43	1,318
121270826071	126	2.78	10.2	5.8	38.5	5.3	58,533	1.21	1,246
121270826072	343	1.54	8.3	6.9	28.4	1.0	69,205	0.52	1,051
121270827011	1,250	0.43	0.0	5.6	37.0	0.0	78,867	0.17	1,014
121270827012	149	2.49	16.1	4.4	29.0	3.5	48,333	1.39	847
121270827031	229	2.97	14.4	5.1	43.4	0.0	62,778	1.25	1,036
121270827032	161	2.67	17.7	3.9	29.0	3.1	32,097	0.58	866
121270827033	231	2.32	12.4	5.4	29.0	2.7	57,500	1.31	969
121270827041	364	1.85	15.2	2.7	31.8	5.8	53,068	0.67	537
121270827042	2,004	0.19	2.0	5.2	43.9	3.1	85,688	0.05	1,971
121270827043	11,745	0.02	5.3	6.3	27.3	0.0	76,059	0.02	589
121270827051	172	4.75	11.0	3.6	52.4	1.7	46,627	0.67	1,495
121270827052	1,792	0.23	0.0	3.0	47.1	0.0	50,708	0.13	770
121270827053	159	1.77	11.0	6.1	39.0	0.0	53,333	0.89	761
121270828011	2,140	0.91	8.1	5.9	25.9	1.1	51,466	0.45	1,360
121270828021	361	2.39	23.9	7.3	25.1	2.4	43,272	0.64	641
121270828022	2,613	0.65	8.5	4.7	28.9	2.8	55,443	0.38	1,223
121270828023	245	3.63	10.3	9.6	23.5	10.7	34,308	1.64	609
121270829021	1,801	0.88	5.4	5.7	17.7	2.8	39,900	0.51	769
121270829022	3,166	0.85	2.9	7.9	25.4	2.8	42,016	0.29	1,429
121270829023	1,058	1.19	30.9	19.2	13.1	6.2	25,763	0.87	613
121270829031	173	4.89	43.3	44.3	20.2	7.7	20,903	2.07	492
121270829032	2,290	0.53	7.2	6.3	11.4	2.4	47,961	0.17	601
121270829033	242	3.17	23.0	39.1	23.0	7.0	34,773	1.00	416
121270829034	196	5.69	45.2	65.0	22.5	10.7	20,652	2.65	566
121270829041	5,101	0.39	1.6	4.3	41.2	0.0	73,617	0.12	1,199
121270829042	939	2.82	3.6	3.2	49.6	4.2	48,813	0.77	1,675
121270830031	3,003	0.91	15.7	3.1	49.8	0.9	44,104	0.20	1,798
121270830032	21,294	0.14	20.4	13.9	24.6	2.3	41,899	0.05	1,745
121270830051	749	3.03	16.4	11.4	22.6	1.4	40,121	1.13	1,105
121270830052	483	2.72	7.5	2.3	60.0	1.5	41,138	0.79	953

GEOID2010	AREA_LAND	DENPOP2010	PCT_POV	PCT_MNRTY	PCT_65ABV	PCT_OVEH	MEDHHINC	DENEMPLOY	HSE_UNITS
121270830061	471	5.83	8.7	10.4	18.6	0.7	47,780	2.58	1,214
121270830062	431	5.55	11.6	7.7	18.5	0.3	50,346	3.77	1,058
121270830063	236	6.17	8.2	8.0	16.3	0.0	57,891	3.96	625
121270830071	5,586	0.56	8.5	7.9	13.8	1.1	48,698	0.24	1,293
121270830072	147	6.25	4.1	8.4	18.3	2.0	62,109	4.04	406
121270830081	365	2.75	11.3	8.6	23.9	6.7	35,307	0.84	730
121270830082	211	3.78	17.4	6.7	31.7	0.0	34,554	2.44	536
121270830083	323	2.86	8.0	10.7	20.4	3.0	31,228	1.32	624
121270830091	2,853	1.27	3.5	7.8	19.6	1.1	46,622	0.57	1,663
121270832031	5,149	0.73	4.8	12.1	15.0	0.2	67,115	0.28	1,544
121270832032	9,579	0.33	9.6	11.5	18.3	0.0	75,118	0.17	1,234
121270832051	9,970	0.08	6.5	19.6	13.8	0.0	90,078	0.03	299
121270832052	4,386	0.32	12.8	23.2	14.7	1.3	73,068	0.19	749
121270832061	47,229	0.09	11.7	37.1	3.5	0.4	63,571	0.01	360
121270832071	3,331	1.30	5.6	10.2	34.2	1.3	59,659	0.62	2,135
121270832072	11,531	0.08	14.5	5.0	18.5	2.0	83,456	0.05	428
121270832073	28,411	0.03	15.0	14.4	14.0	0.0	51,097	0.01	424
121270832081	1,762	2.61	2.5	15.7	23.1	0.9	72,833	1.01	2,081
121270832082	2,139	0.76	5.5	5.1	27.6	0.0	63,359	0.33	830
121270832083	919	1.75	1.9	4.2	40.4	0.8	87,857	0.60	968
121270832084	1,811	2.09	3.1	13.2	21.0	0.6	80,671	0.94	1,660
121270832091	120,067	0.03	9.4	9.4	12.7	0.3	69,226	0.01	1,850
121270832092	28,064	0.04	6.7	9.0	10.7	0.0	66,987	0.03	540
121270901011	22,075	0.09	5.0	15.3	15.6	0.0	46,335	0.04	930
121270901012	41,868	0.06	36.6	37.7	16.2	1.6	34,900	0.02	1,027
121270901021	36,800	0.07	14.8	52.0	15.4	1.1	42,641	0.03	1,295
121270901022	18,649	0.01	14.1	22.6	21.6	0.0	47,679	0.00	393
121270902021	1,066	2.33	21.6	25.4	24.7	1.4	33,949	1.01	1,314
121270902022	816	1.72	1.1	14.3	23.9	0.0	46,691	0.77	730
121270902023	1,204	1.16	10.6	16.9	27.9	0.0	48,720	0.46	528
121270902024	163	2.61	29.5	27.5	23.3	6.1	31,361	1.68	270
121270902031	4,899	0.42	14.2	19.0	42.5	2.1	43,550	0.15	1,252
121270902032	1,041	1.46	15.7	48.5	14.6	0.9	39,340	0.55	570
121270902033	658	1.66	20.4	57.2	11.1	6.5	51,583	1.07	357
121270902041	19,152	0.11	2.0	8.3	21.3	0.0	62,589	0.06	1,092
121270902042	6,667	0.62	14.1	22.9	18.3	3.9	52,970	0.25	1,990
121270903031	6,843	0.21	8.9	11.4	14.7	0.0	60,000	0.10	643
121270903032	2,427	0.52	21.6	24.3	27.5	2.7	33,333	0.15	709
121270903041	1,565	0.84	10.4	16.2	17.5	2.7	43,958	0.48	720
121270903042	266	4.43	25.1	26.0	15.6	6.3	44,266	2.35	584
121270903043	441	3.77	6.2	16.3	15.9	1.6	44,082	1.38	800

GEOID2010	AREA_LAND	DENPOP2010	PCT_POV	PCT_MNRTY	PCT_65ABV	PCT_OVEH	MEDHHINC	DENEMPLOY	HSE_UNITS
121270903051	7,765	0.44	7.3	16.7	12.2	1.0	62,139	0.22	1,431
121270903061	5,688	0.75	6.3	15.2	24.3	0.3	71,378	0.34	2,041
121270903071	790	2.54	17.1	35.3	21.3	0.6	28,716	0.82	880
121270903072	1,145	2.43	22.7	24.2	17.0	3.2	37,139	1.02	1,440
121270903073	437	1.59	0.0	14.2	23.4	0.0	63,201	1.01	313
121270904001	249	4.23	5.3	9.6	43.8	7.0	51,172	1.32	616
121270904002	225	5.19	3.0	19.6	10.3	1.0	50,781	2.58	357
121270904003	204	6.97	7.3	17.6	16.8	4.8	37,807	4.92	430
121270904004	216	4.20	22.9	17.3	13.2	1.0	39,125	1.73	450
121270904005	212	4.02	11.5	18.5	15.6	1.3	36,261	2.94	403
121270905001	236	4.85	16.8	36.2	31.1	18.0	24,688	1.13	710
121270905002	241	5.01	20.7	22.1	22.4	10.8	20,682	1.78	642
121270906001	436	3.83	20.0	51.5	10.4	7.3	23,824	0.89	702
121270906002	276	5.72	44.1	68.4	14.1	3.6	24,141	1.91	595
121270906003	177	4.18	20.7	46.2	35.4	6.0	30,714	0.31	279
121270906004	252	4.23	25.2	85.9	13.2	11.2	19,648	1.43	464
121270906005	170	5.11	29.8	56.7	9.9	2.8	40,268	2.78	363
121270907011	773	1.16	5.1	14.8	15.9	0.0	63,693	0.50	365
121270907012	1,577	0.84	9.6	15.2	15.4	0.0	63,202	0.53	542
121270907013	2,156	0.48	14.9	6.7	27.8	1.2	53,107	0.24	796
121270907014	322	4.16	6.8	24.7	11.7	1.5	46,406	1.88	586
121270907021	330	5.07	36.8	60.1	25.6	10.4	22,841	1.20	819
121270907022	261	2.65	36.7	93.8	12.7	11.7	16,563	0.44	292
121270907023	160	4.32	30.1	38.4	12.2	4.2	32,019	1.15	313
121270907024	1,097	1.45	9.4	25.5	15.3	0.0	53,167	0.71	674
121270908031	4,323	0.33	17.2	13.3	13.6	0.8	55,954	0.14	715
121270908032	571	3.04	2.6	20.3	7.7	0.0	51,507	1.22	701
121270908033	4,163	0.40	10.0	20.3	9.5	0.0	55,840	0.21	719
121270908041	1,313	1.78	12.6	19.0	23.2	0.0	34,750	0.88	1,140
121270908042	973	1.57	2.3	26.9	8.3	2.4	42,465	0.73	587
121270908043	889	3.43	10.8	15.5	15.3	2.8	50,160	1.24	1,382
121270908051	843	2.15	7.2	22.2	34.8	0.9	36,773	0.44	1,236
121270908052	1,539	1.47	10.6	6.9	60.1	6.1	31,682	0.34	1,430
121270908053	694	2.41	10.6	8.0	22.3	0.0	41,280	1.12	788
121270908061	1,247	1.55	34.0	43.0	27.4	4.7	21,743	0.46	1,215
121270908062	925	2.21	28.1	38.8	17.0	9.8	29,415	1.22	1,042
121270909021	1,985	0.98	7.9	15.8	14.6	0.6	57,500	0.56	989
121270909022	1,702	2.55	5.7	31.6	19.9	0.7	56,926	0.81	1,793
121270909023	222	4.10	9.8	13.3	13.4	0.0	58,021	1.71	417
121270909024	446	2.78	10.5	17.2	15.7	2.1	51,136	1.41	604
121270909025	397	2.75	8.4	13.7	15.6	2.7	49,079	1.47	482

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121270909031	525	3.86	2.3	11.4	47.9	0.8	55,485	1.35	1,189
121270909032	767	2.80	2.0	12.6	30.9	1.3	78,934	1.02	1,019
121270909041	3,232	0.47	3.5	11.4	19.7	1.6	57,946	0.22	956
121270909042	543	3.82	2.0	20.4	12.9	0.0	72,667	1.87	844
121270909043	289	3.47	6.3	9.4	17.4	0.0	51,190	1.57	495
121270910011	1,940	1.57	1.8	39.2	10.2	0.0	68,869	0.62	1,188
121270910012	2,089	0.93	8.6	18.5	15.3	0.2	61,299	0.57	928
121270910013	5,676	0.15	7.8	6.0	32.7	0.0	35,375	0.03	459
121270910051	18,463	0.10	9.5	10.6	13.5	1.2	53,347	0.05	848
121270910131	537	3.87	13.4	41.9	13.2	3.6	47,361	2.00	1,149
121270910132	1,824	1.24	18.7	38.4	10.6	1.5	57,561	0.62	1,034
121270910133	1,180	1.60	4.5	35.1	15.6	0.0	58,487	0.73	920
121270910151	773	3.80	11.8	41.9	17.3	2.4	44,661	1.46	1,331
121270910152	174	5.02	16.7	40.9	19.9	1.4	68,900	2.55	460
121270910161	331	6.50	5.5	46.4	14.0	1.2	34,886	2.46	1,016
121270910162	263	5.20	8.0	43.3	17.2	0.7	35,128	2.65	680
121270910163	418	5.07	14.2	47.4	17.9	2.0	38,900	1.61	872
121270910171	221	6.53	4.8	50.1	14.5	0.5	61,058	2.67	570
121270910172	508	4.32	19.1	41.6	13.5	0.0	42,003	2.28	904
121270910181	524	3.77	19.1	48.5	14.3	3.5	38,773	1.15	926
121270910182	669	1.51	18.2	49.0	12.3	4.3	32,946	0.50	456
121270910183	340	3.05	18.5	35.9	15.9	0.0	35,149	1.32	611
121270910184	729	3.19	5.3	46.8	14.0	0.0	49,750	1.53	951
121270910191	516	2.99	8.6	49.7	12.4	0.0	47,271	1.79	739
121270910192	302	5.15	8.2	48.7	6.9	1.3	54,519	2.79	545
121270910193	1,310	1.23	11.5	38.0	15.3	0.0	37,708	0.44	740
121270910201	1,917	1.74	16.4	49.1	7.0	1.9	48,275	0.81	1,200
121270910202	837	3.99	10.6	43.7	7.7	0.5	54,386	1.67	1,192
121270910211	2,504	0.95	13.9	33.3	8.6	0.2	65,481	0.40	949
121270910221	243	4.96	2.5	46.5	12.9	0.0	56,681	1.61	471
121270910222	2,208	1.78	6.1	38.7	14.0	0.5	64,524	0.83	1,469
121270910223	407	5.89	11.0	36.8	20.4	1.6	50,929	3.01	992
121270910231	251	5.10	19.2	41.8	17.9	3.2	47,191	2.39	530
121270910232	253	6.14	0.0	36.5	19.9	0.6	47,036	3.66	647
121270910241	784	4.59	16.1	50.6	10.3	2.0	50,909	1.94	1,441
121270910242	3,694	0.90	2.9	42.7	7.5	0.0	62,596	0.43	1,253
121270910251	577	3.81	3.4	39.8	9.0	0.0	56,328	1.81	823
121270910252	654	3.35	15.4	37.9	7.6	0.3	49,636	1.58	823
121270910261	731	3.86	9.7	38.8	10.9	0.3	56,364	1.97	1,373
121270910262	944	2.99	9.2	40.4	14.6	0.7	47,210	1.24	1,391
121270910271	561	3.96	3.5	41.9	13.6	0.5	53,026	1.56	1,214

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121270910272	738	4.56	9.4	44.9	16.4	1.0	52,160	1.87	1,421
121270910281	251	6.71	18.6	51.5	13.6	2.3	42,552	3.25	677
121270910282	818	3.15	11.2	47.4	15.3	1.4	52,796	1.53	1,081
121270910291	5,485	0.10	5.9	10.8	32.0	1.1	53,594	0.05	672
121270910292	1,040	1.06	0.0	27.9	10.2	0.0	78,304	0.68	450
121270910293	1,306	1.70	15.2	28.9	17.7	0.5	45,230	1.01	1,243
121270925001	3,076	0.75	43.4	41.9	2.1	1.8	29,583	0.18	457
121270925002	575	2.09	26.8	19.1	16.5	2.2	35,406	2.63	654
121270925003	476	4.23	7.5	47.8	12.6	4.9	31,952	1.82	1,162
TPO AVERAGE/TOTAL	759,089	0.76	12.6%	24.7%	40.1%	2.2%	\$46,333	0.32	300,996



**2040 Long Range
Transportation Plan**
Environmental Justice Analysis



Prepared by: Ghyabi & Associates, Inc.
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