

## **APPENDIX I**

### **SUPPLEMENTAL DATA FOR ENVIRONMENTAL JUSTICE ANALYSIS**

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# 7 Programmatic Environmental Impact Statement

## USMCA Mitigation of Contaminated Transboundary Flows Project

### Supplemental Data for Environmental K Analysis

\ 25, 2022

#### Lead Agencies:



**U.S. Environmental Protection Agency**  
Office of Wastewater Management  
1200 Pennsylvania Avenue, NW  
Washington DC 20460



**International Boundary and Water Commission**  
United States Section  
4191 N Mesa Street  
El Paso TX 79902

**Prepared by:**  
Eastern Research Group, Inc. (ERG)

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## ABBREVIATIONS, ACRONYMS, AND SYMBOLS

CalEPA	California Environmental Protection Agency
EJ	environmental justice
EPA	United States Environmental Protection Agency
HPI	Healthy Places Index
NEPA	National Environmental Policy Act
PEIS	Programmatic Environmental Impact Statement
PM	particulate matter
PM <sub>2.5</sub>	fine particulate matter
USIBWC	U.S. International Boundary and Water Commission
USMCA	United States–Mexico–Canada Agreement

## 1. INTRODUCTION

The United States (U.S.) Environmental Protection Agency (EPA) and the U.S. International Boundary and Water Commission (USIBWC), as joint lead agencies, are proposing to fund and implement the United States–Mexico–Canada Agreement (USMCA) Mitigation of Contaminated Transboundary Flows Project (the Proposed Action) to reduce transboundary flows from Tijuana that cause adverse public health and environmental impacts in the Tijuana River watershed and adjacent coastal areas. EPA and USIBWC performed an environmental justice analysis in support of the Draft Programmatic Environmental Impact Statement (PEIS), which was prepared to support an informed decision making process, consider reasonable alternatives to and review the environmental impacts of the Proposed Action, and identify and support applicable consultations.

EPA and USIBWC evaluated whether environmental inequities exist in communities that would potentially be affected by construction and operational activities under the Proposed Action. This appendix documents the geographic scope of the analysis and compiles the information obtained from a review of publicly available screening-level tools. See the Final PEIS for discussion of the results of the environmental justice impacts analysis for the Proposed Action and the identified mitigation requirements.

### 1.1 Geographic Scope of Analysis

EPA and USIBWC defined the geographic scope of the environmental justice analysis in the U.S. (EJ Study Area) for the Proposed Action as a polygon that includes all census block groups and tracts falling within one of two areas (EJ Study Area 1 or EJ Study Area 2). The geographic extents of EJ Study Areas 1 and 2 are defined as follows and illustrated in Figure 1:

- **EJ Study Area 1** includes all census block groups located (entirely or partially) within 0.5 miles of the edge of a polygon encompassing the locations of potential construction activities under the Proposed Action, excluding on-road vehicle use.<sup>1</sup> Communities in this area are more likely to be affected by short-term construction and long-term operation and maintenance of new infrastructure under the Proposed Action. EJ Study Area 1 covers approximately 6.36 square miles, encompassing five block groups and two census tracts.
- **EJ Study Area 2** includes all additional block groups adjacent to the potential truck hauling route to and from Otay Landfill.<sup>2</sup> Communities in this area would potentially be affected by

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<sup>1</sup> The community located east of Interstate 5 along the U.S.-Mexico border (Block Group 060730100151; Tract 6073010015) was excluded from EJ Study Area 1. This community is, at its closest, approximately 0.3 miles from the easternmost U.S. project element under the Proposed Action—specifically, the areas under consideration for the U.S.-side river diversion (Project F). This community was excluded because 1) only a very small portion of the areas under consideration for the U.S.-side river diversion is located within 0.5 miles of this community; 2) the intervening area includes dense residential and commercial development, Interstate 5, and the San Ysidro Port of Entry, which would likely obscure the effects of any activities associated with the river diversion; and 3) this community is more than 10 miles wide and encompasses areas with environmental and social conditions that could substantially differ from those of the communities close to the Proposed Action.

<sup>2</sup> The route to Otay Landfill was chosen, rather than the route to Sycamore Landfill, because Otay Landfill is much closer and therefore a more likely destination for construction debris and other solids waste. Analyzing

increased vehicle use along highways and local roads during short-term construction and long-term operation and maintenance of new infrastructure under the Proposed Action. EJ Study Area 2 covers approximately 30 square miles, including 20 block groups and 13 census tracts.

Coastal communities were excluded from the geographic scope of analysis because the Proposed Action is expected to result in significant long-term environmental benefits for coastal communities, with no adverse construction-related impacts, due to significantly reduced marine discharges of untreated wastewater. Additionally, a rapid review of demographic and environmental burden indicators from the available screening tools (discussed below) indicates that coastal communities in southern San Diego County are generally exposed to fewer and less intense existing social and environmental burdens than the communities closer to the location of the Proposed Action.

## **1.2 Data Sources**

EPA and USIBWC used EPA's EJScreen 2.0<sup>3</sup> and the California Environmental Protection Agency's (CalEPA's) CalEnviroScreen 4.0<sup>4</sup> as primary screening tools to assess social, economic, environmental, and demographic data for block groups and census tracts in the geographic scope of analysis. EPA and USIBWC also reviewed the Public Health Alliance of Southern California's Healthy Places Index (HPI) 3.0<sup>5</sup> as an additional screening-level data source. Population statistics and other data obtained through EJScreen 2.0, CalEnviroScreen 4.0, and HPI 3.0 are provided in Sections 2, 3, and 4, respectively.

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block groups adjacent to the route to Otay Landfill ensures impacts to the local community are appropriately considered, rather than having an overly broad analysis that examines all communities— including several non-burdened communities—between the Proposed Action and Sycamore Landfill. For example, the census block group that includes Sycamore Landfill is 42 percent minority and 11 percent low income, whereas the census block group that includes Otay Landfill is 85 percent minority and 14 percent low income.

<sup>3</sup> See <https://ejscreen.epa.gov/mapper/>.

<sup>4</sup> See <https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-40>.

<sup>5</sup> See <https://map.healthyplacesindex.org/?redirect=false>.

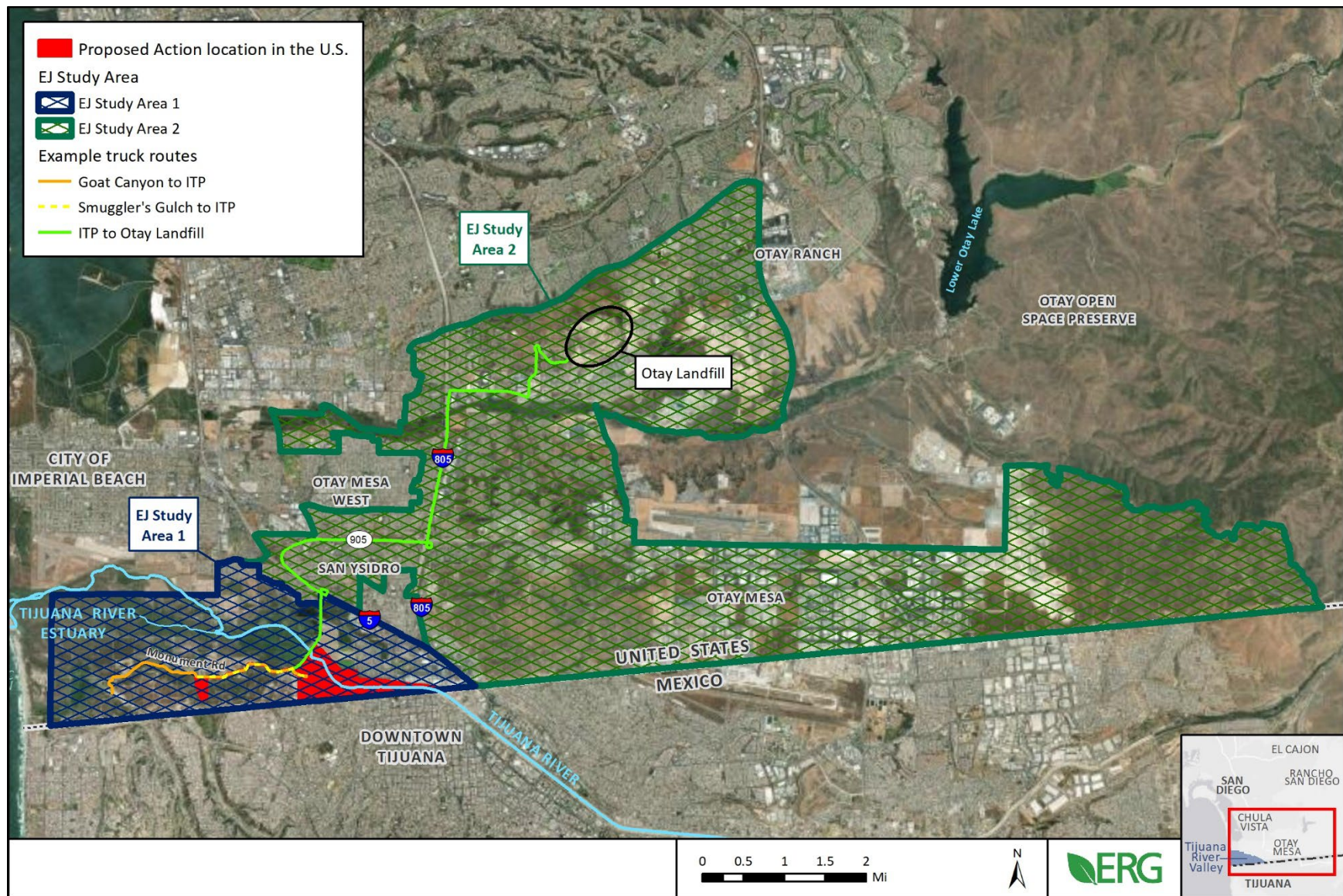


Figure 1. Boundaries of the EJ Study Area for the Proposed Action

## 2. EJSCREEN 2.0 DATA

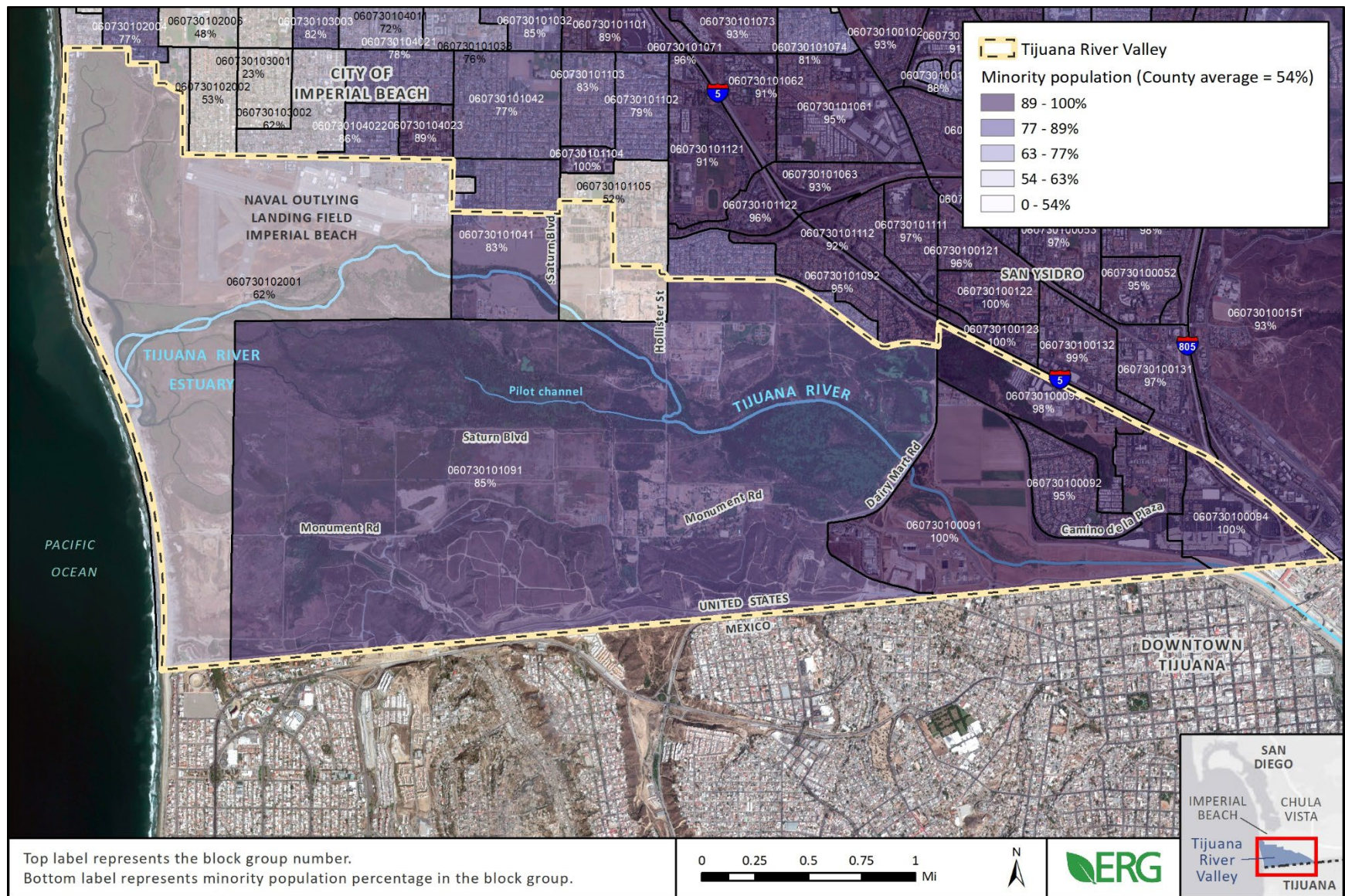
EPA and USIBWC obtained and downloaded the EJScreen 2.0 dataset as a geodatabase and comma separated values text file (EPA, 2022a). This dataset provided the raw data values for indicators for each census block group in the U.S. as well as the indicator percentiles for each block group compared to other block groups in their respective state. The dataset also provided the “EJ Index” for 12 environmental indicators. “EJ Indexes” are pre-calculated by EJScreen 2.0 as a function of a particular environmental indicator value for the block group, the demographic index (which represents the percent of minority and percent of low-income population averaged together) for the block group compared to the demographic index for the U.S., and the population count for the block group. For this environmental justice analysis, EPA and USIBWC evaluated demographic and environmental indicators individually rather than use the “EJ Indexes” for environmental indicators. EPA and USIBWC took this approach because many of the analyzed communities have very high EJ Index scores that are driven by very high demographic index scores, not by high environmental indicator values.<sup>6</sup> Therefore, EPA and USIBWC decided to evaluate, present, and discuss the demographic and environmental burden indicators individually in order to develop a more robust understanding of the intensity of individual environmental burdens.

For each indicator and census block group in San Diego County, EPA and USIBWC also calculated percentiles to indicate the degree of burden relative to that of all 1,811 census block groups in San Diego County for that particular indicator (i.e., to provide separate percentiles that use the state and the county as the comparison population). To calculate county percentiles, EPA and USIBWC clipped the geodatabase to only include block groups in San Diego County and exported the resulting attribute data to a Microsoft Excel spreadsheet. For each indicator, EPA and USIBWC used the “PERCENTRANK” function to rank the indicator value for each block group relative to the indicator values for all 1,811 block groups in San Diego County for which data were provided. This function is used to evaluate the standing of a value relative to other values in a data set. For example, if a block group is in the 65<sup>th</sup> percentile for a particular indicator, it would mean that the block group has an indicator value equal to or higher than that of 65 percent of other block groups in the county.

EPA and USIBWC imported the calculated county percentile values into the EJScreen 2.0 geodatabase using ArcGIS and generated figures depicting the block group percentiles in and surrounding the EJ Study Area. Additional figures were also obtained through the EJScreen 2.0 Mapping Tool online to depict the locations of certain environmental indicators and social institutions in proximity to the Tijuana River Valley (EPA, 2022b). These figures, as well as tables showing the indicator values and both county and state percentiles for block groups in the EJ Study Area, are provided below.

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<sup>6</sup> For example, EJScreen 2.0 identifies Block Group 060730100091 (which includes the ITP parcel) as having an ozone environmental indicator in the 20<sup>th</sup> state percentile—i.e., much lower than average. However, the block group has an extremely high ozone EJ Index (97<sup>th</sup> state percentile), due to the block group’s extremely high demographic index (99<sup>th</sup> state percentile).



**Figure 2. Minority Percent of Population for Census Block Groups Near the Tijuana River Valley, Based on EJScreen 2.0 Data**

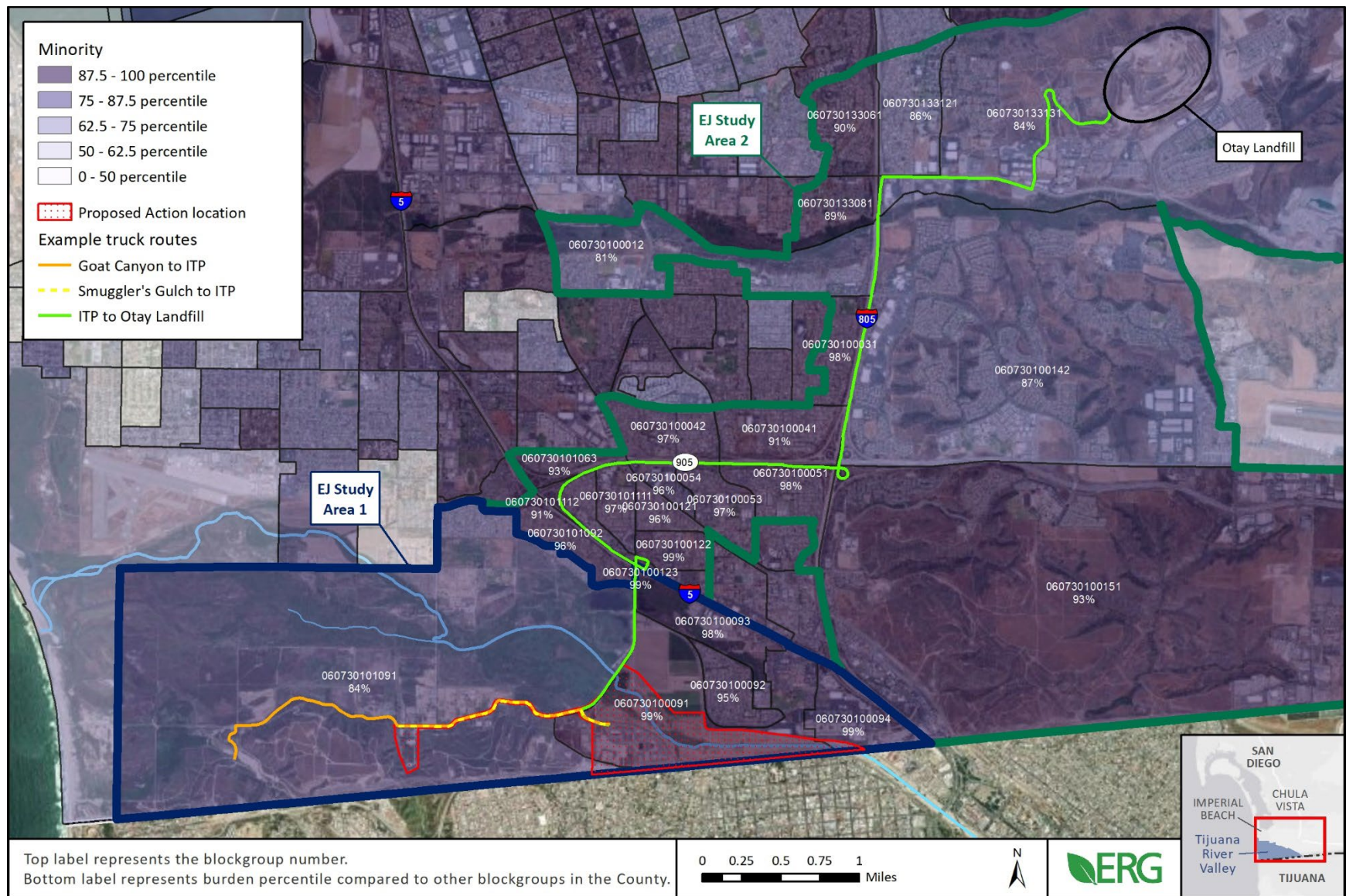


Figure 3. Minority Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data



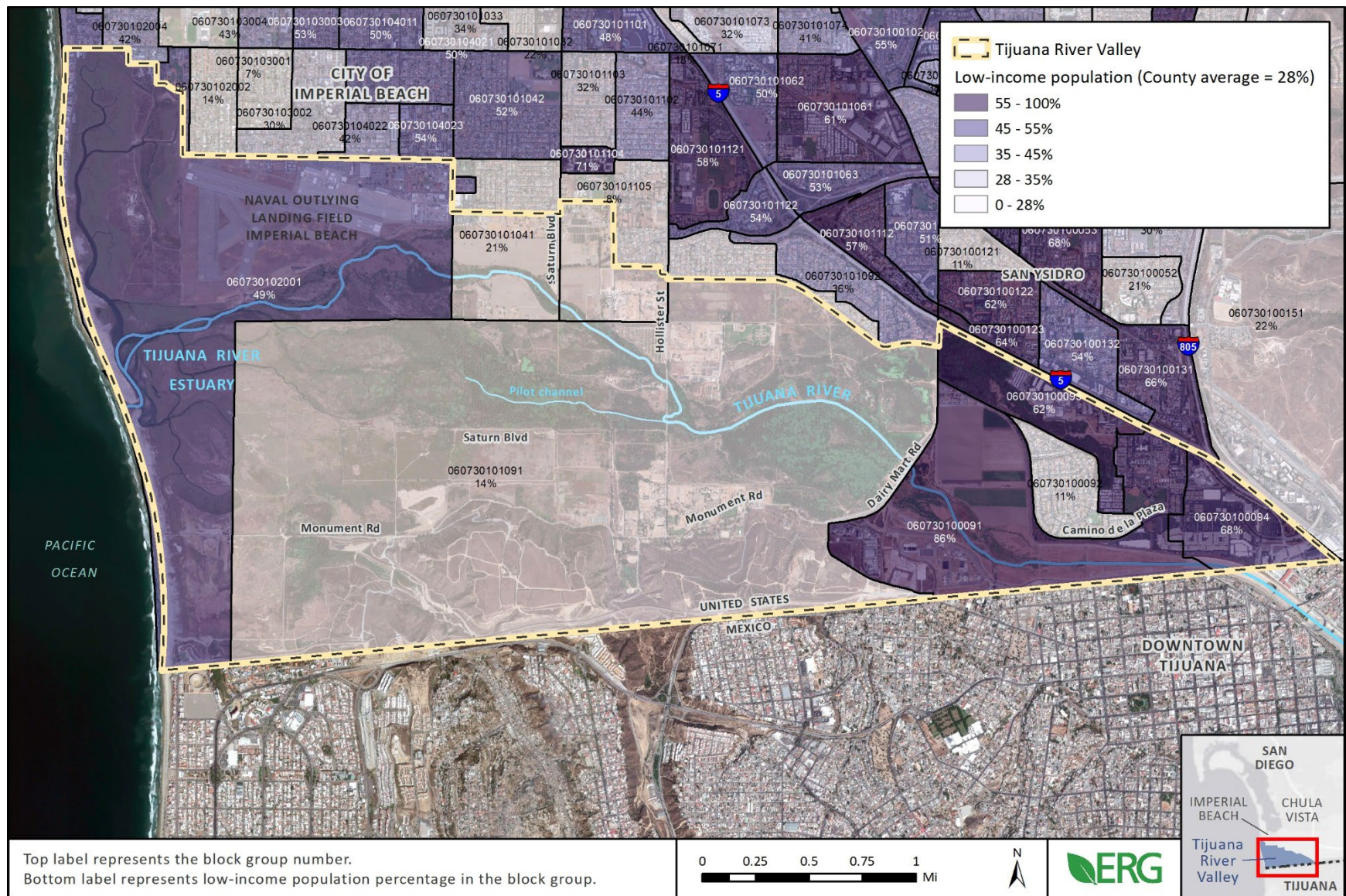


Figure 4. Low-Income Percent of Population for Census Block Groups Near the Tijuana River Valley, Based on EJScreen 2.0 Data

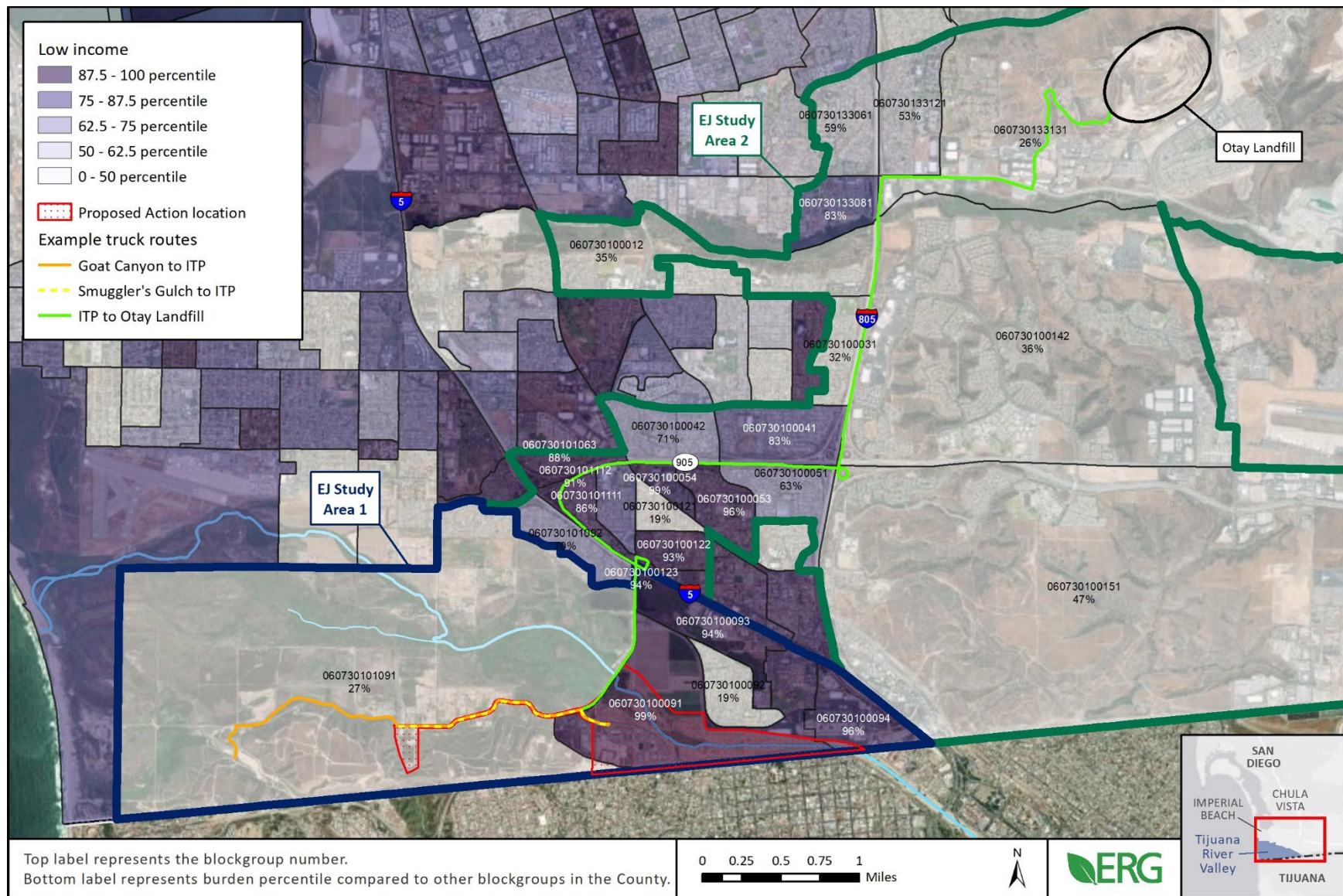


Figure 5. Low-Income Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

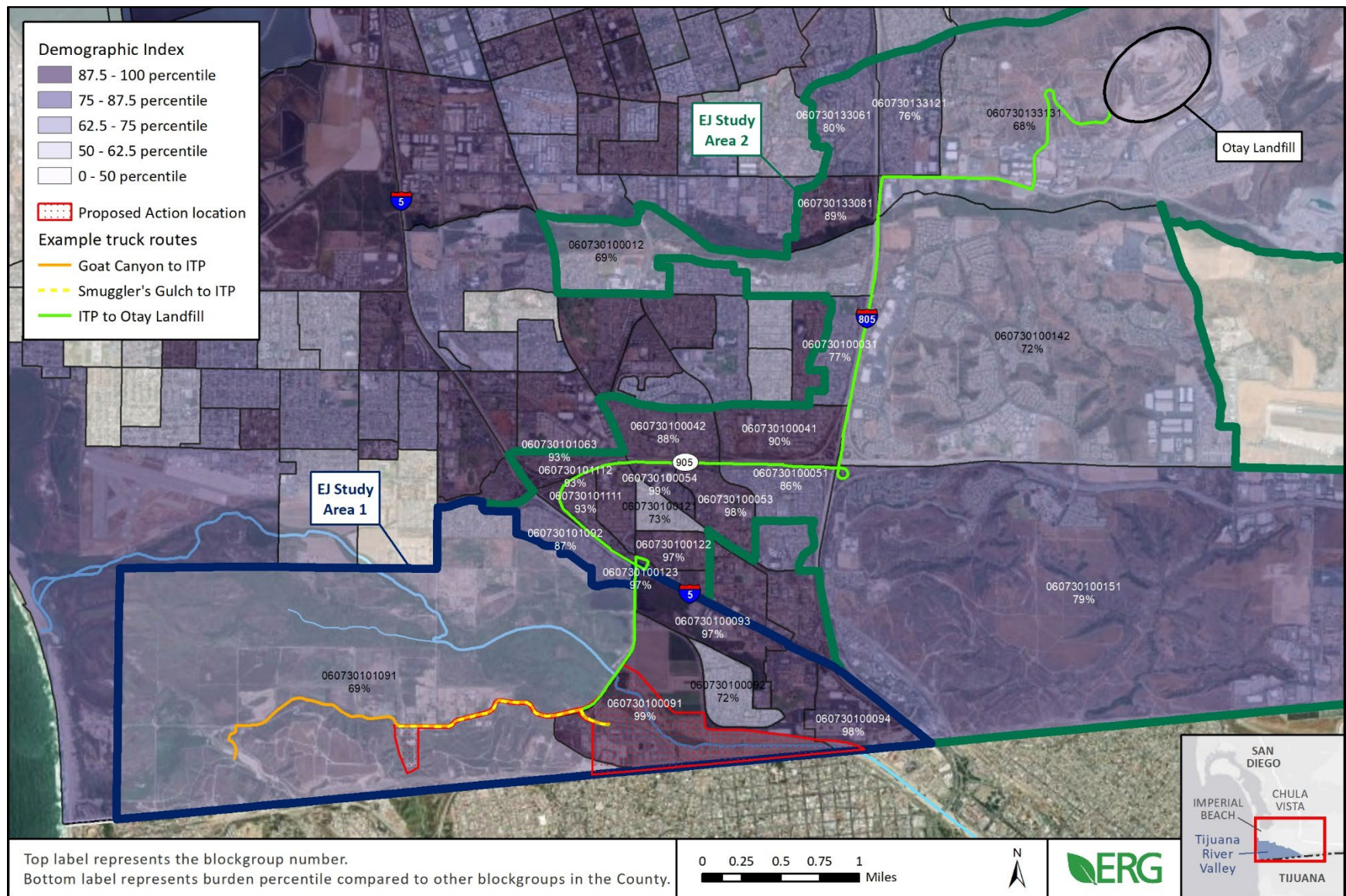


Figure 6. Demographic Index Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

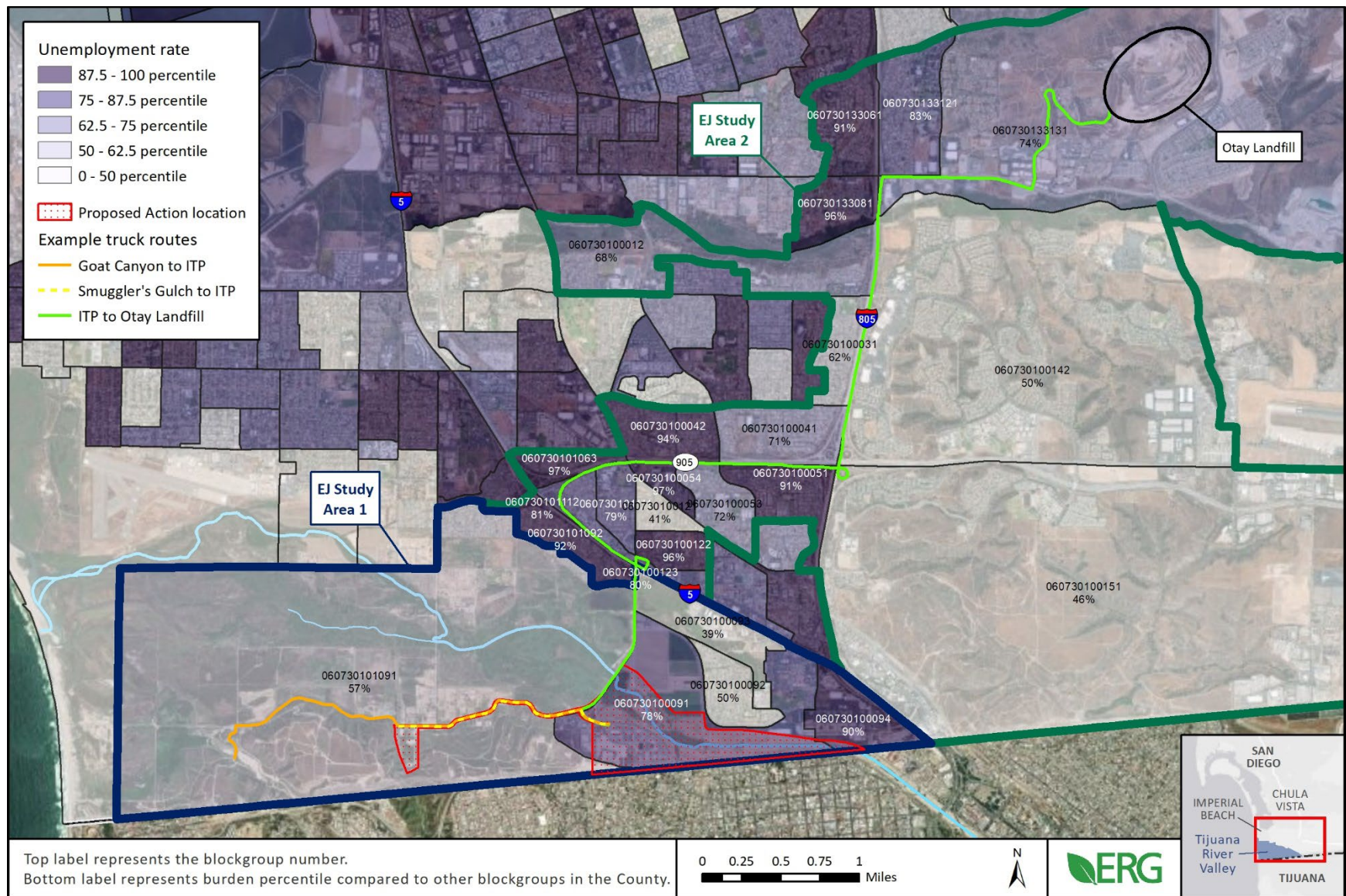


Figure 7. Unemployment Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

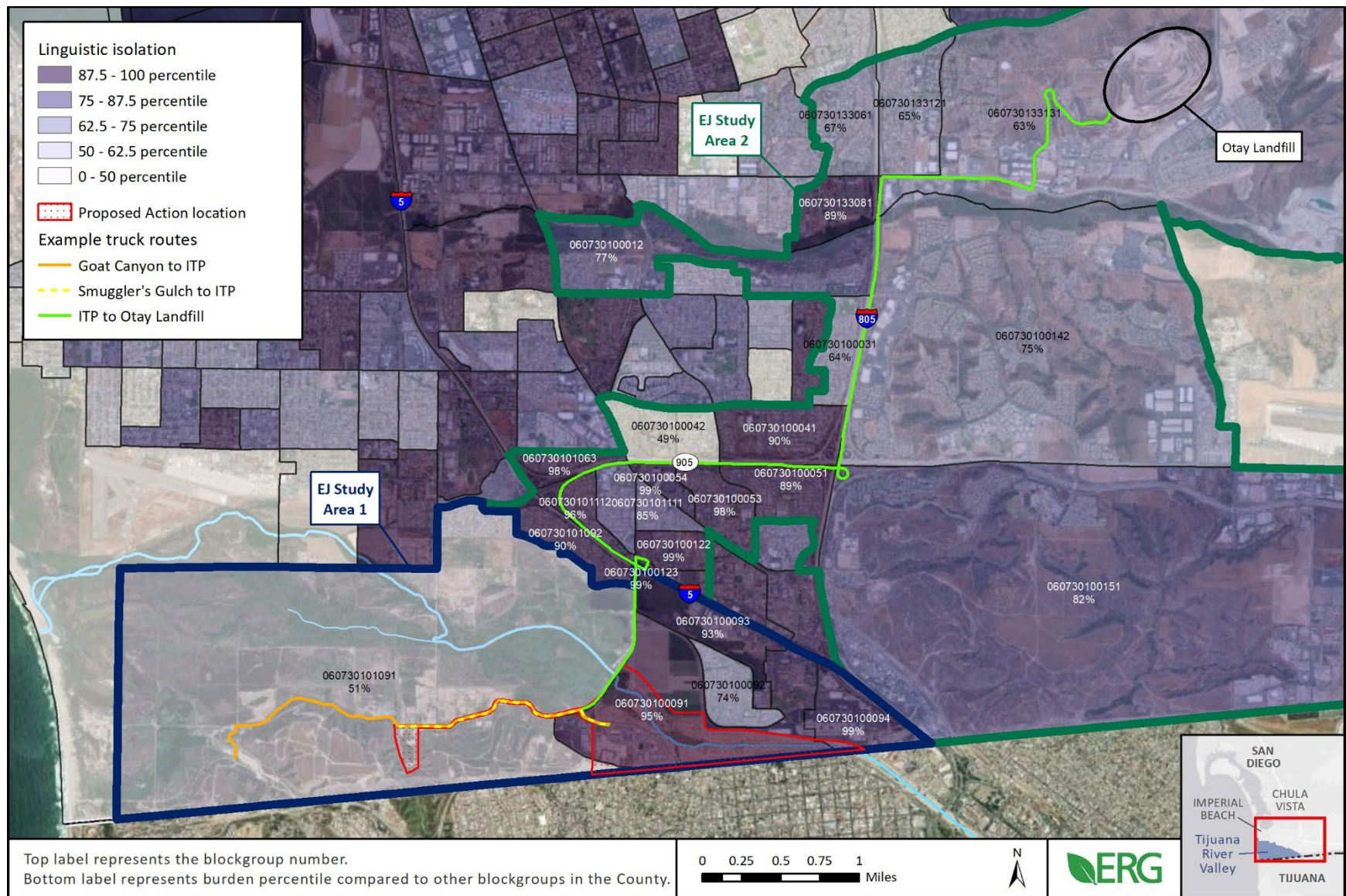


Figure 8. Linguistic Isolation Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

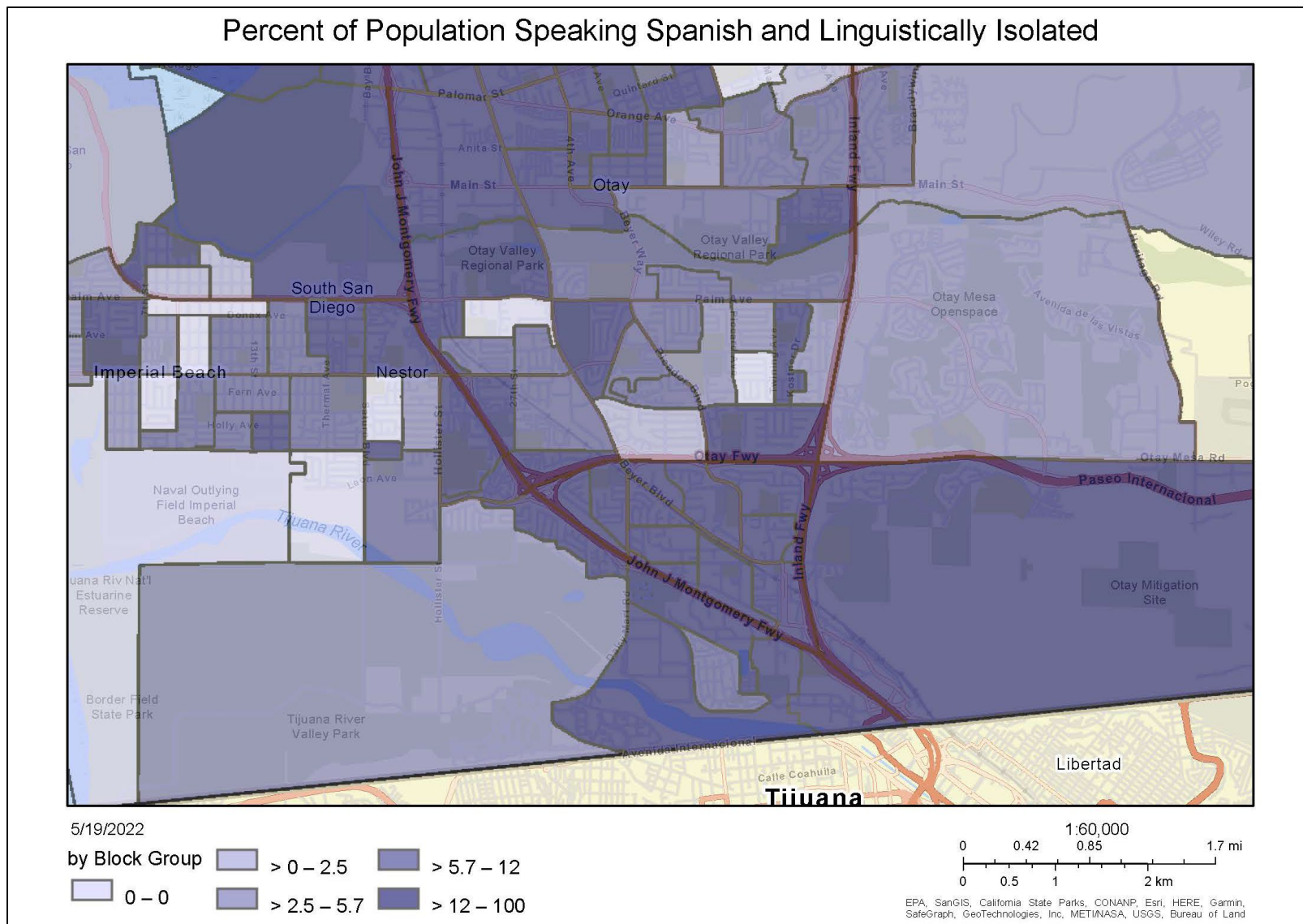
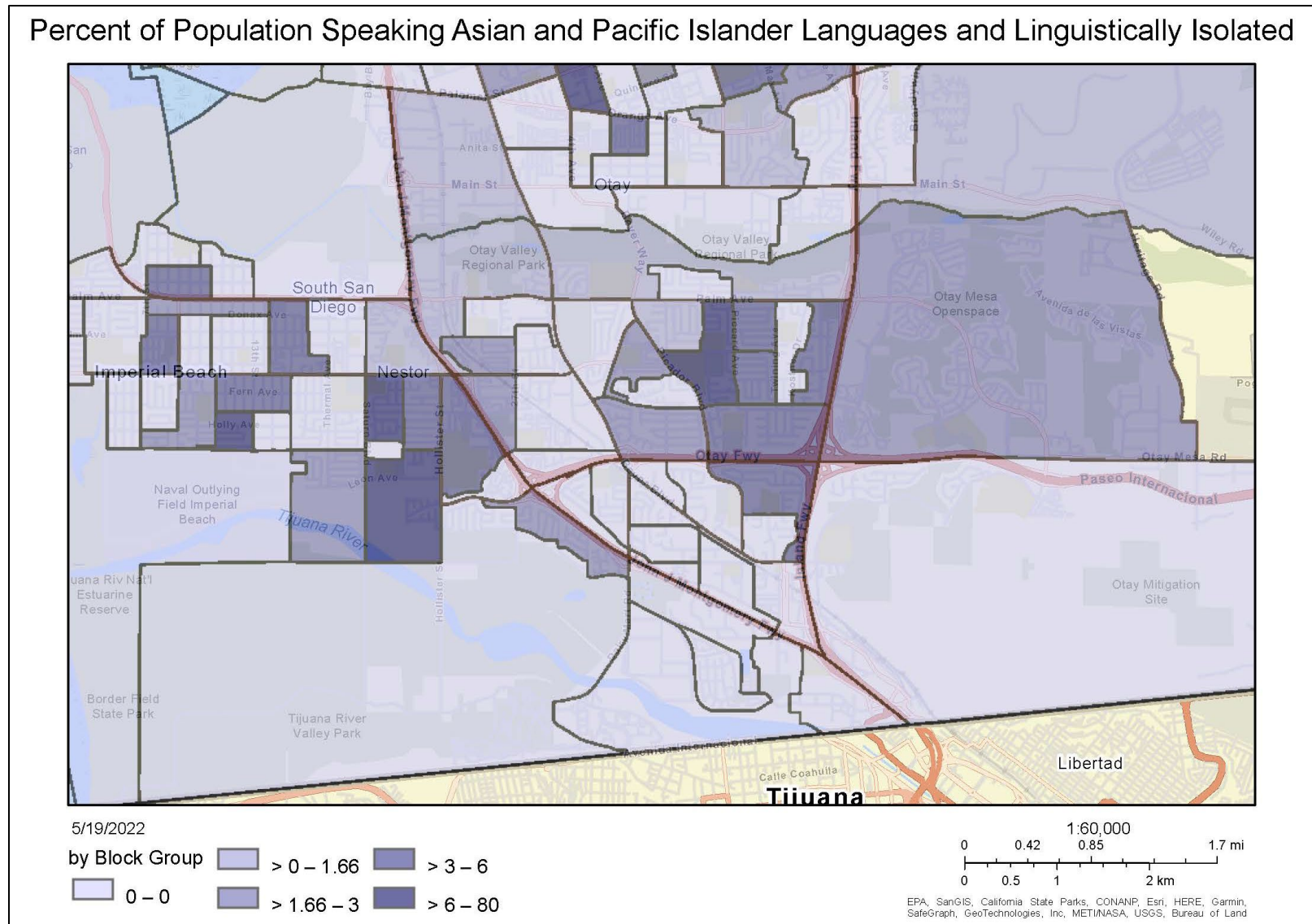
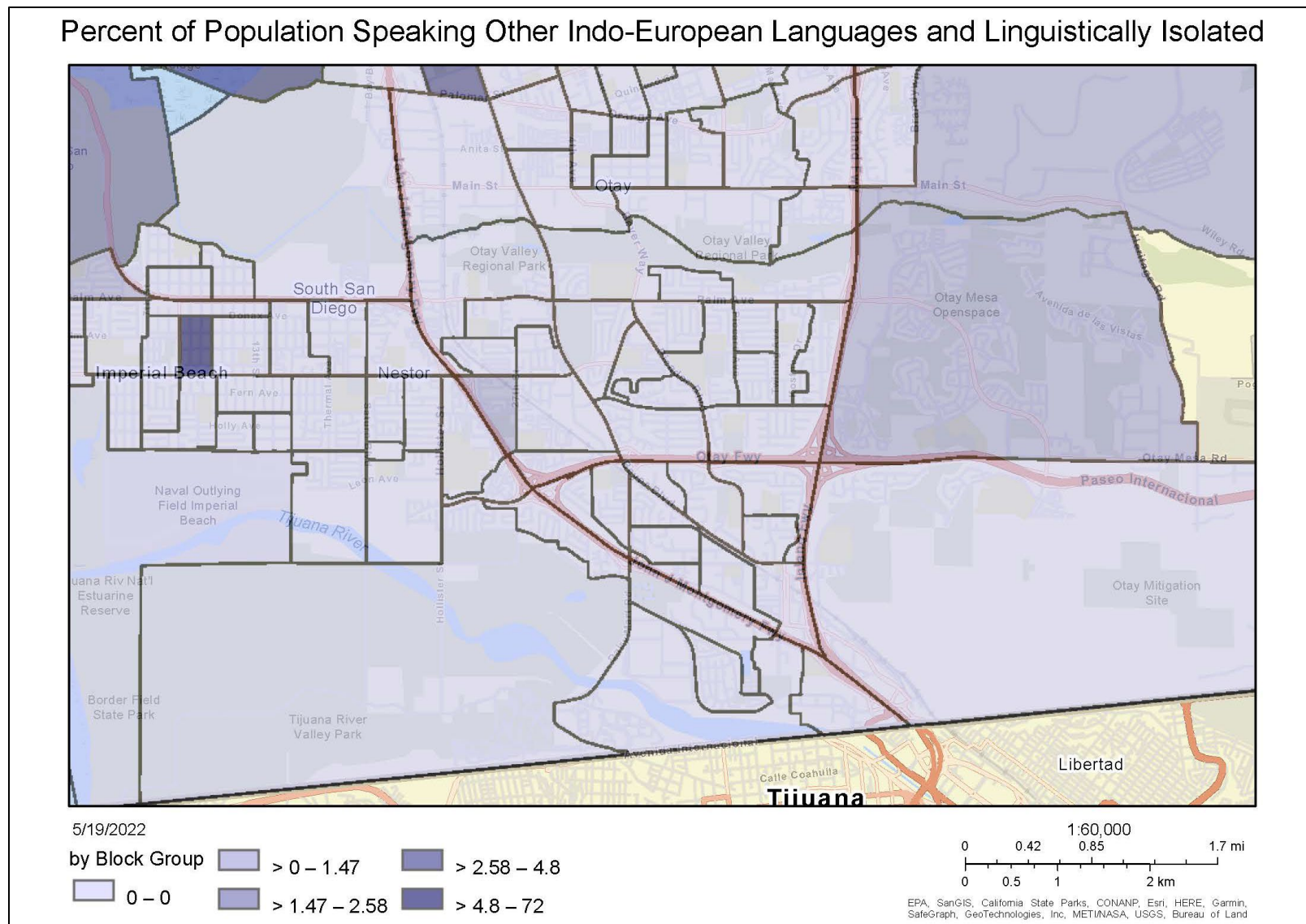


Figure 9. EJScreen 2.0 Linguistically Isolated Percent of Population Speaking Spanish for Block Groups in EJ Study Area (Legend by Quantile)



**Figure 10. EJScreen 2.0 Linguistically Isolated Percent of Population Speaking Asian and Pacific Islander Languages for Block Groups in EJ Study Area (Legend by Quantile)**



**Figure 11. EJScreen 2.0 Linguistically Isolated Percent of Population Speaking Other Indo-European Languages for Block Groups in EJ Study Area (Legend by Quantile)**



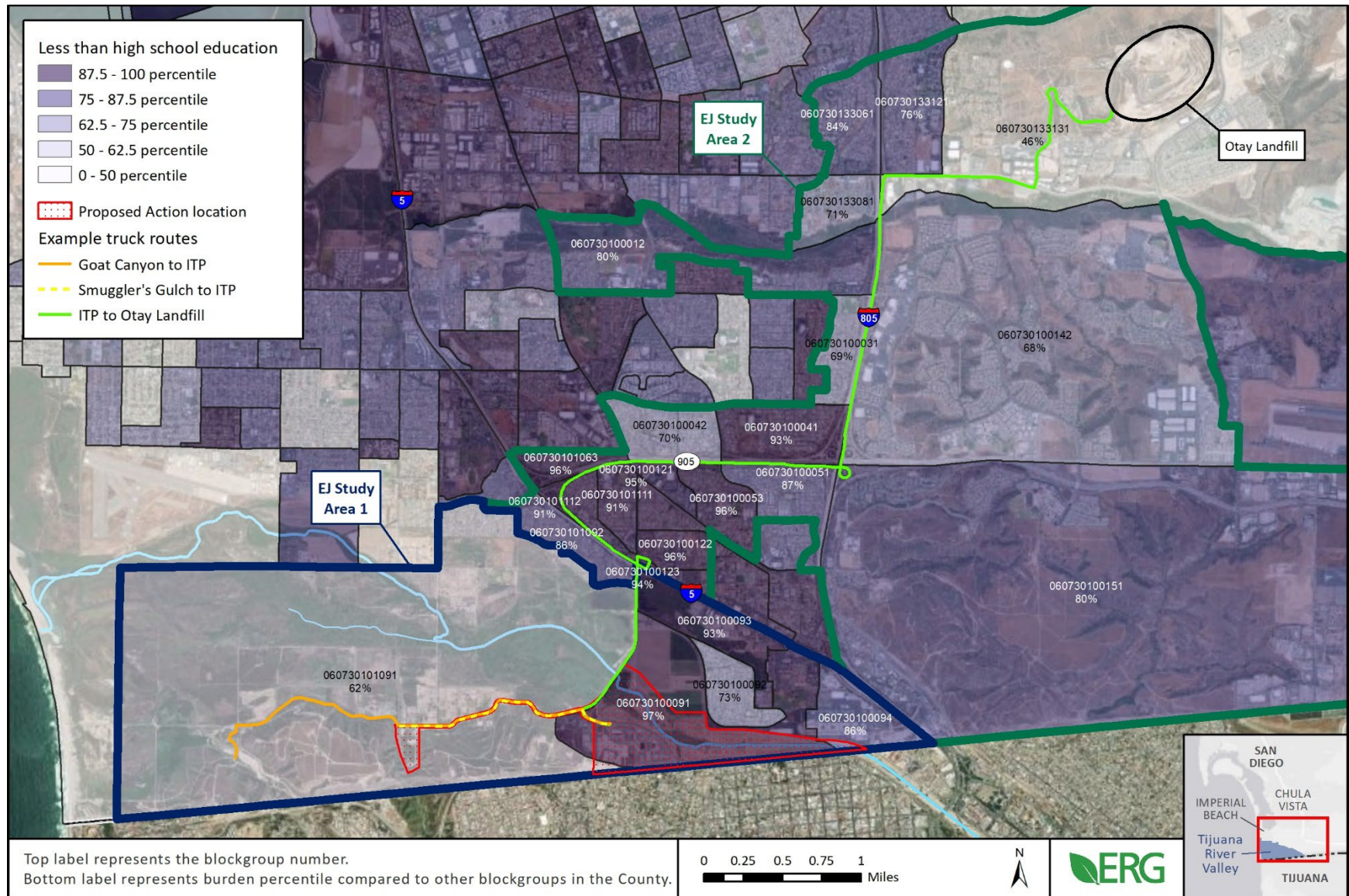


Figure 12. Less than High School Education Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

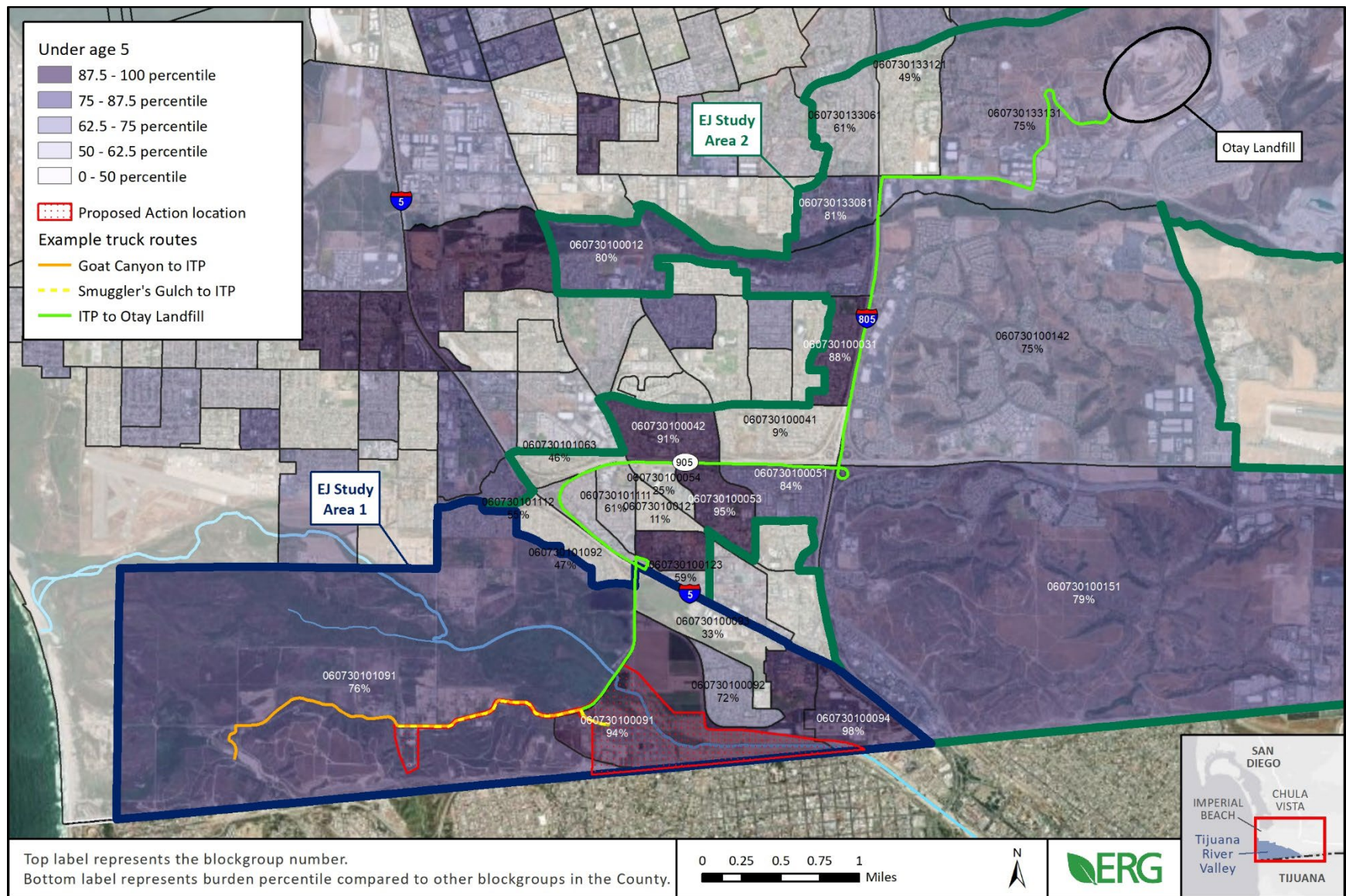


Figure 13. Under Age 5 Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

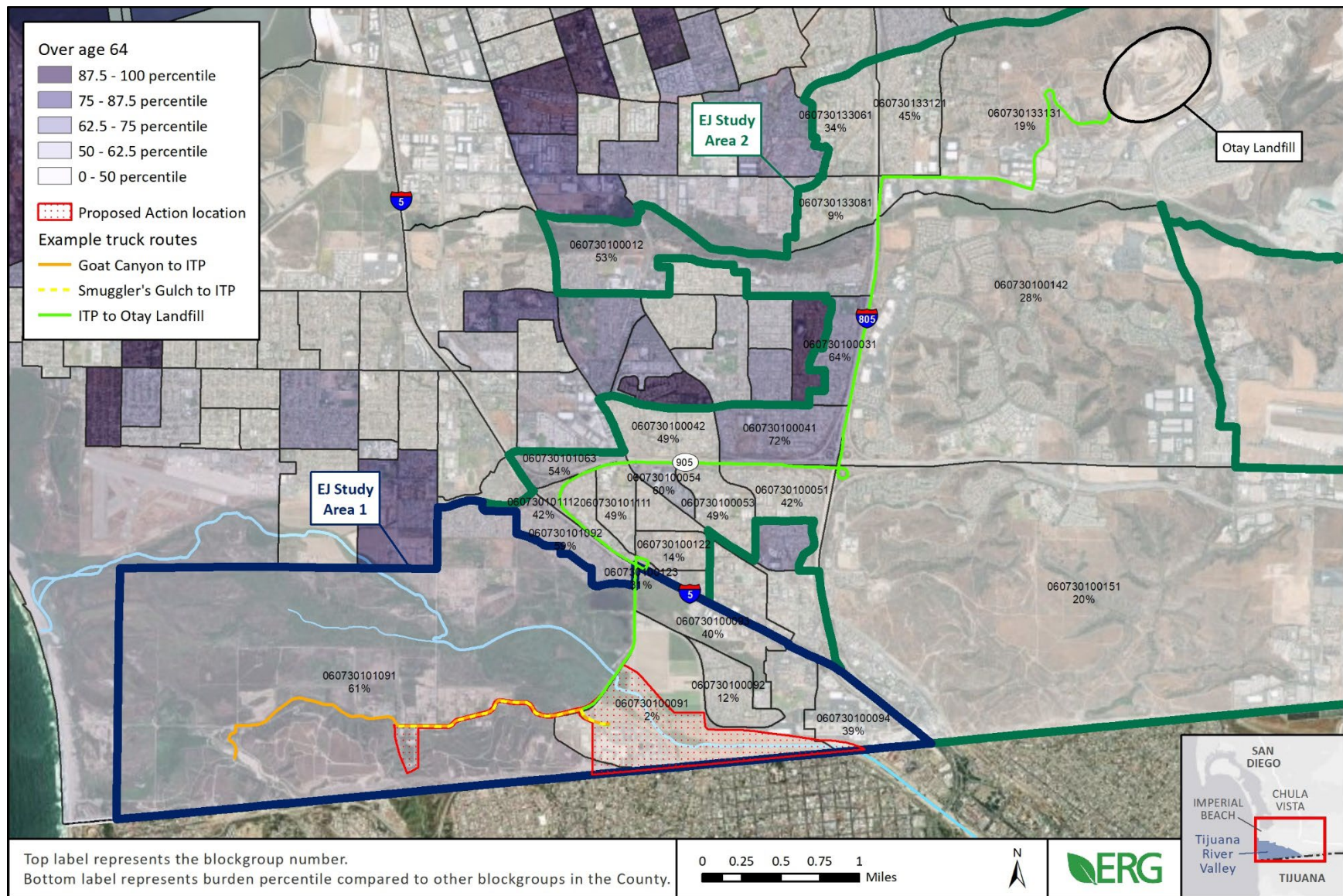


Figure 14. Over Age 64 Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

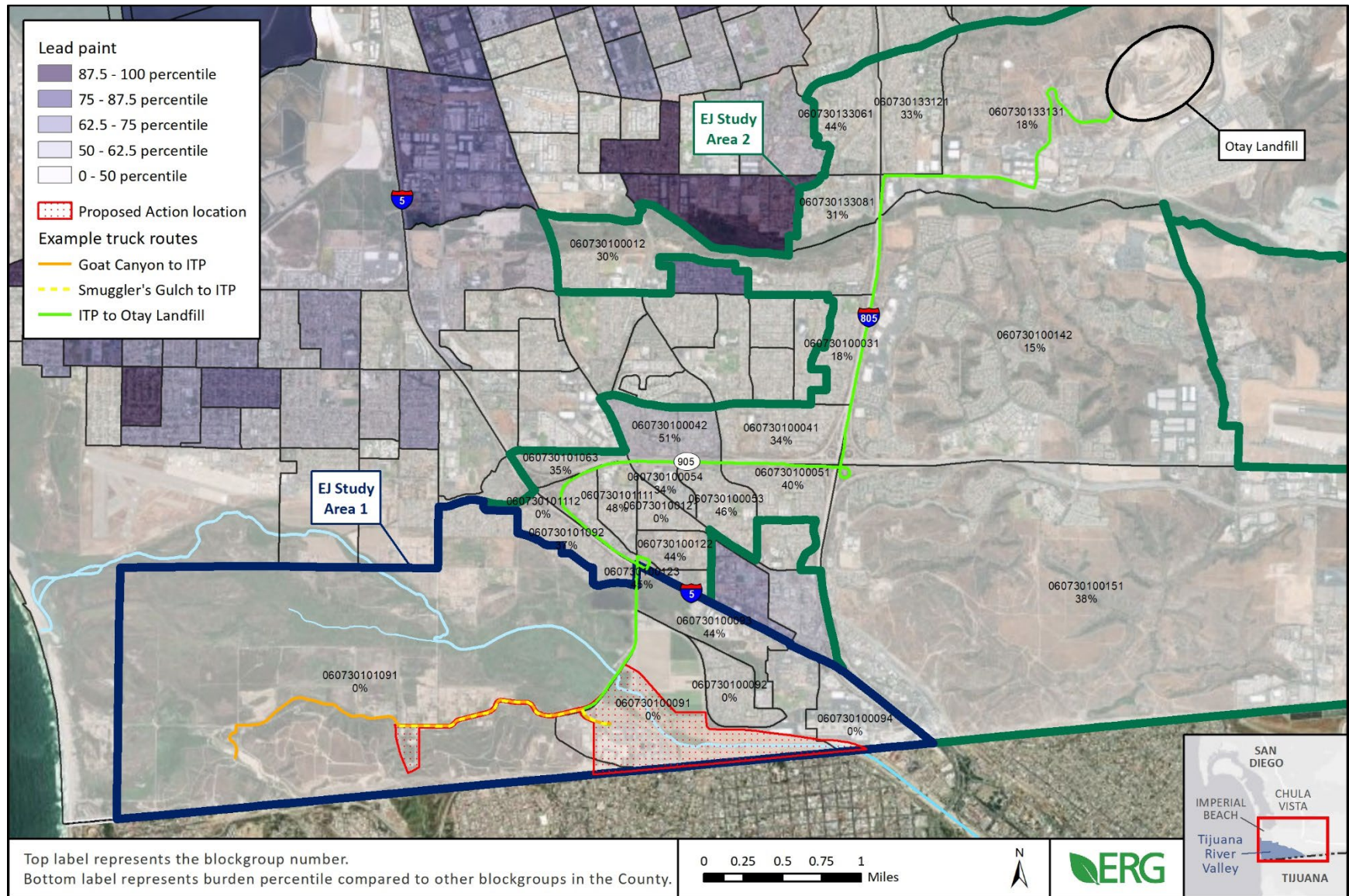


Figure 15. Lead Paint Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

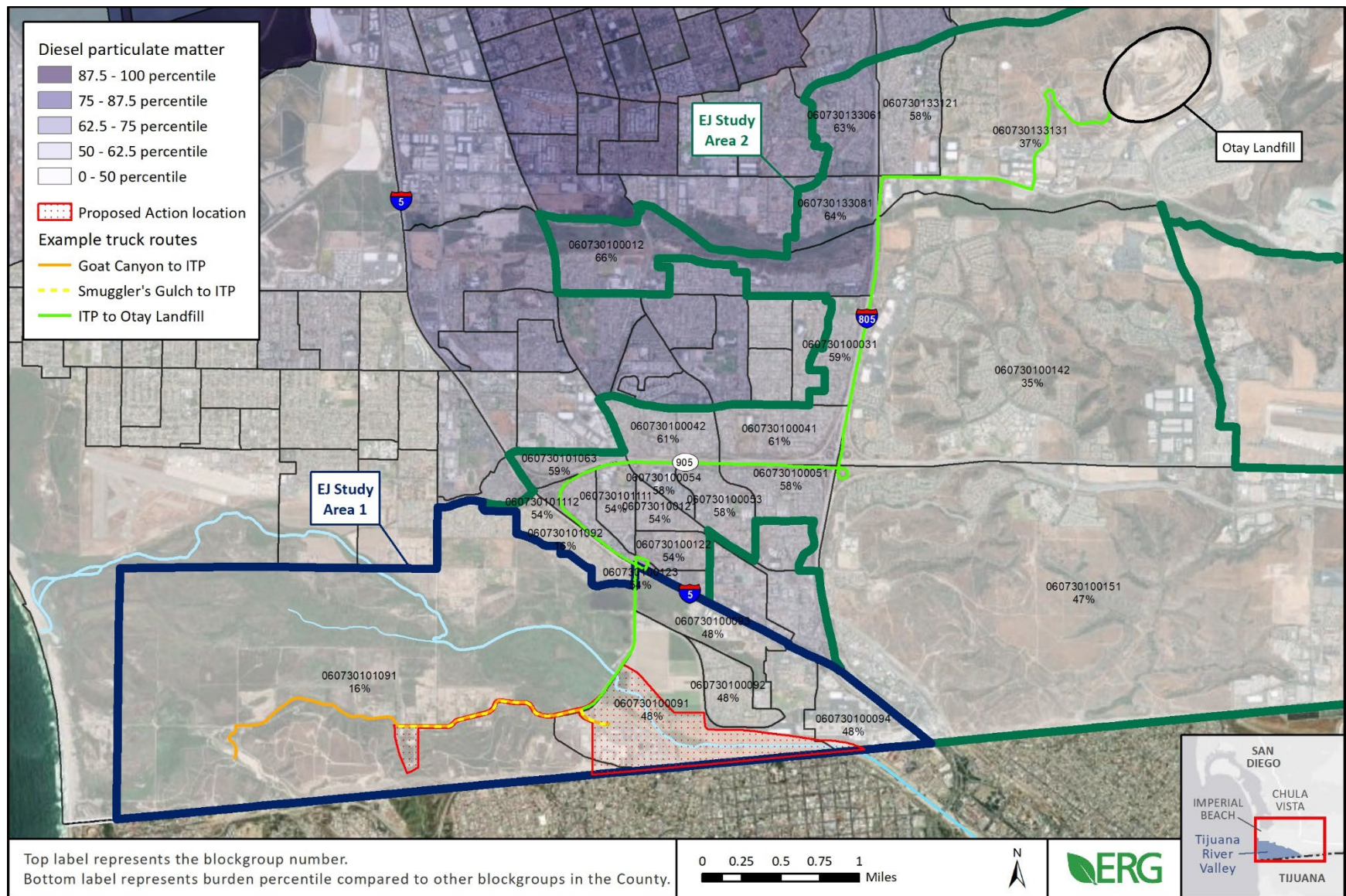


Figure 16. 2017 Diesel Particulate Matter Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

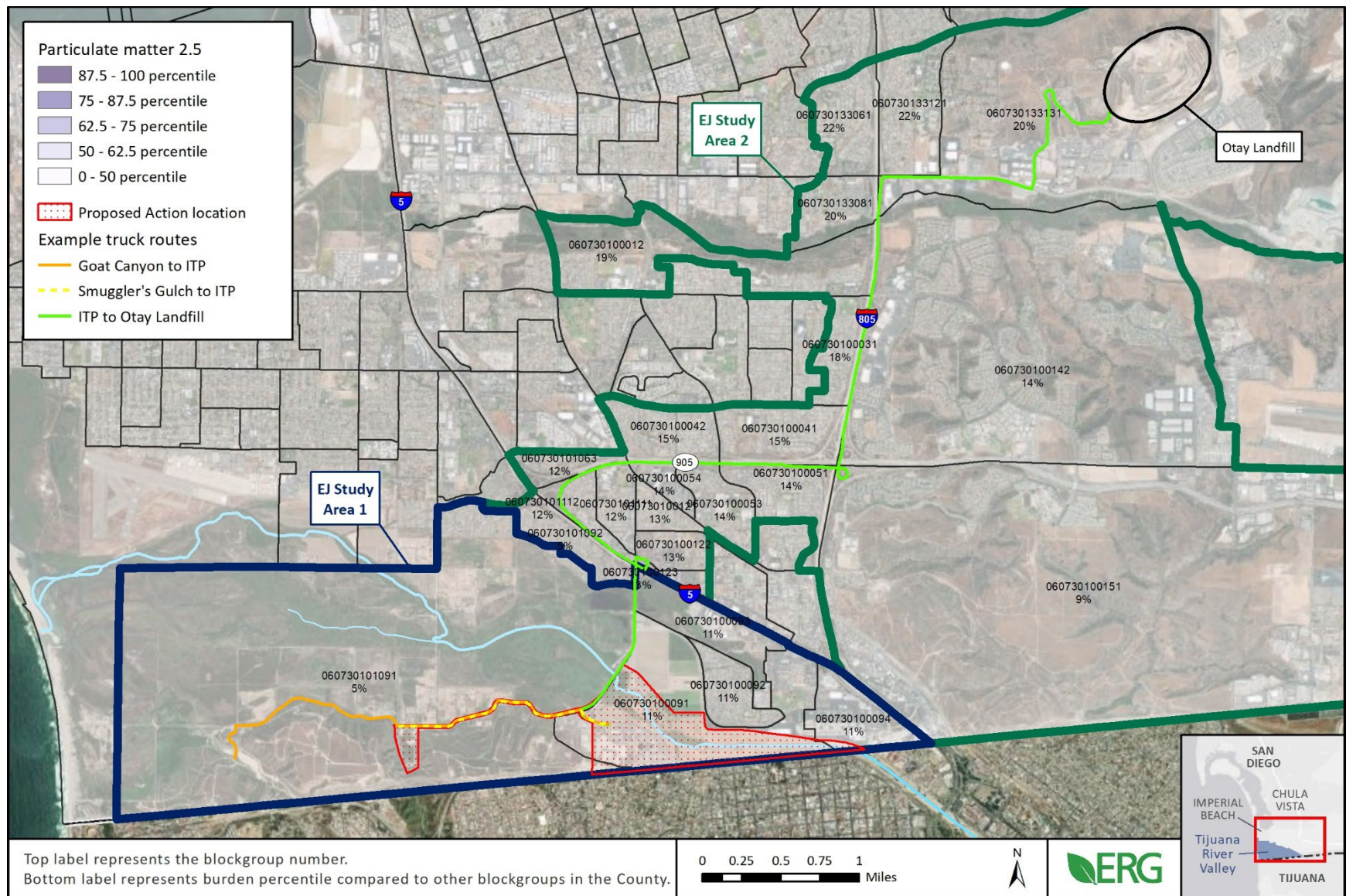


Figure 17. Fine Particulate Matter (PM<sub>2.5</sub>) Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

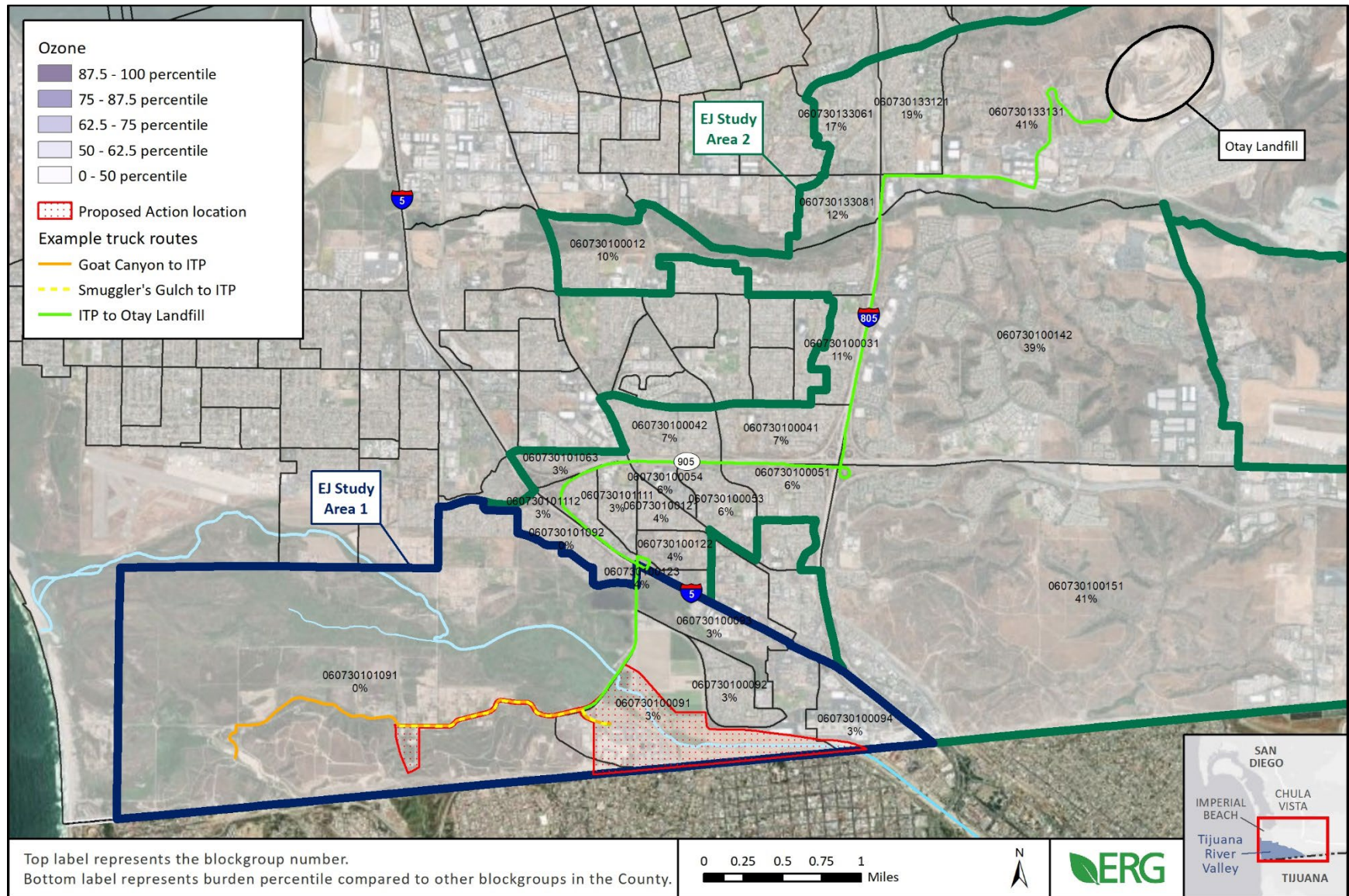


Figure 18. Ozone Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

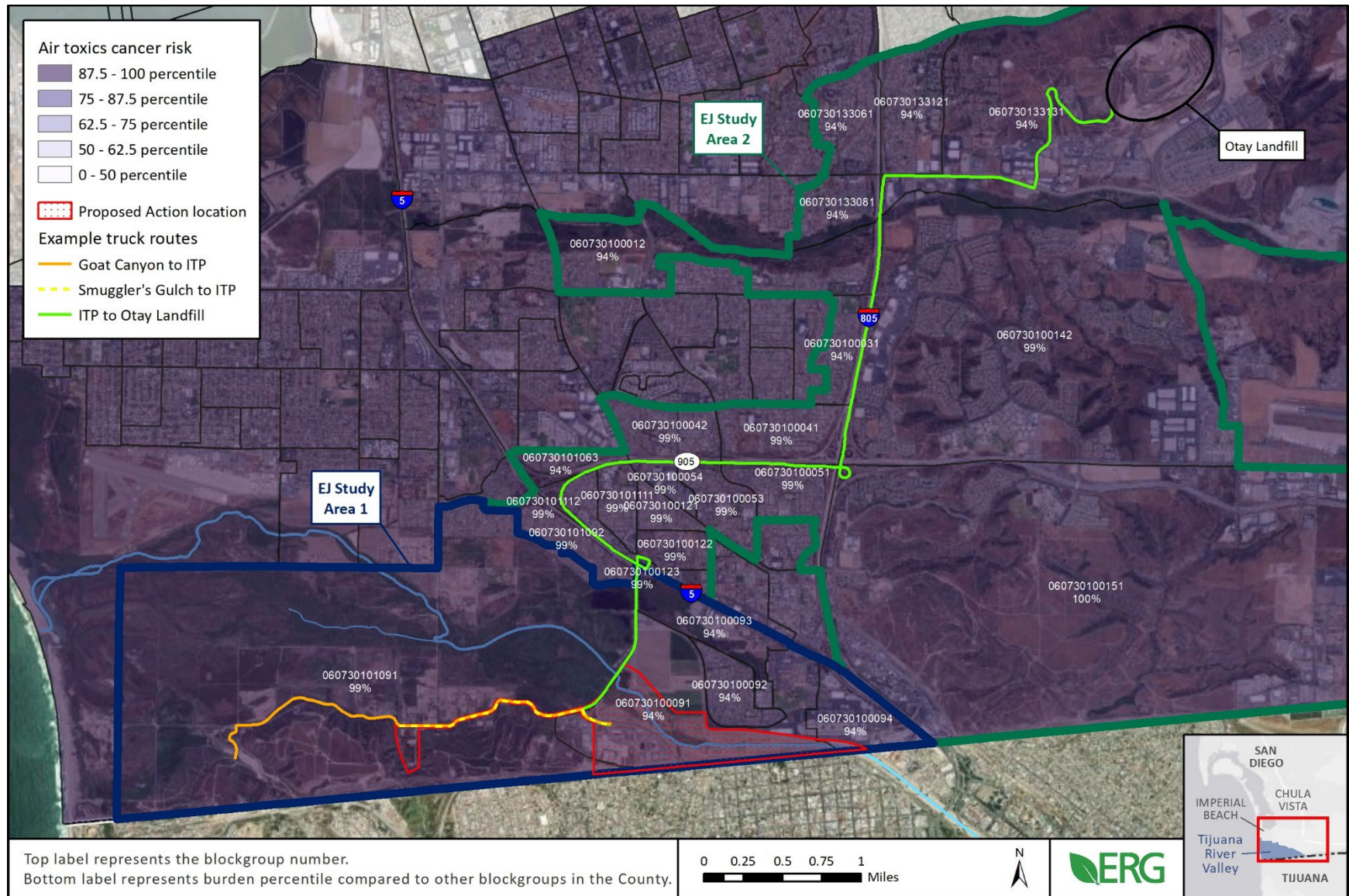


Figure 19. 2017 Air Toxics Cancer Risk Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data



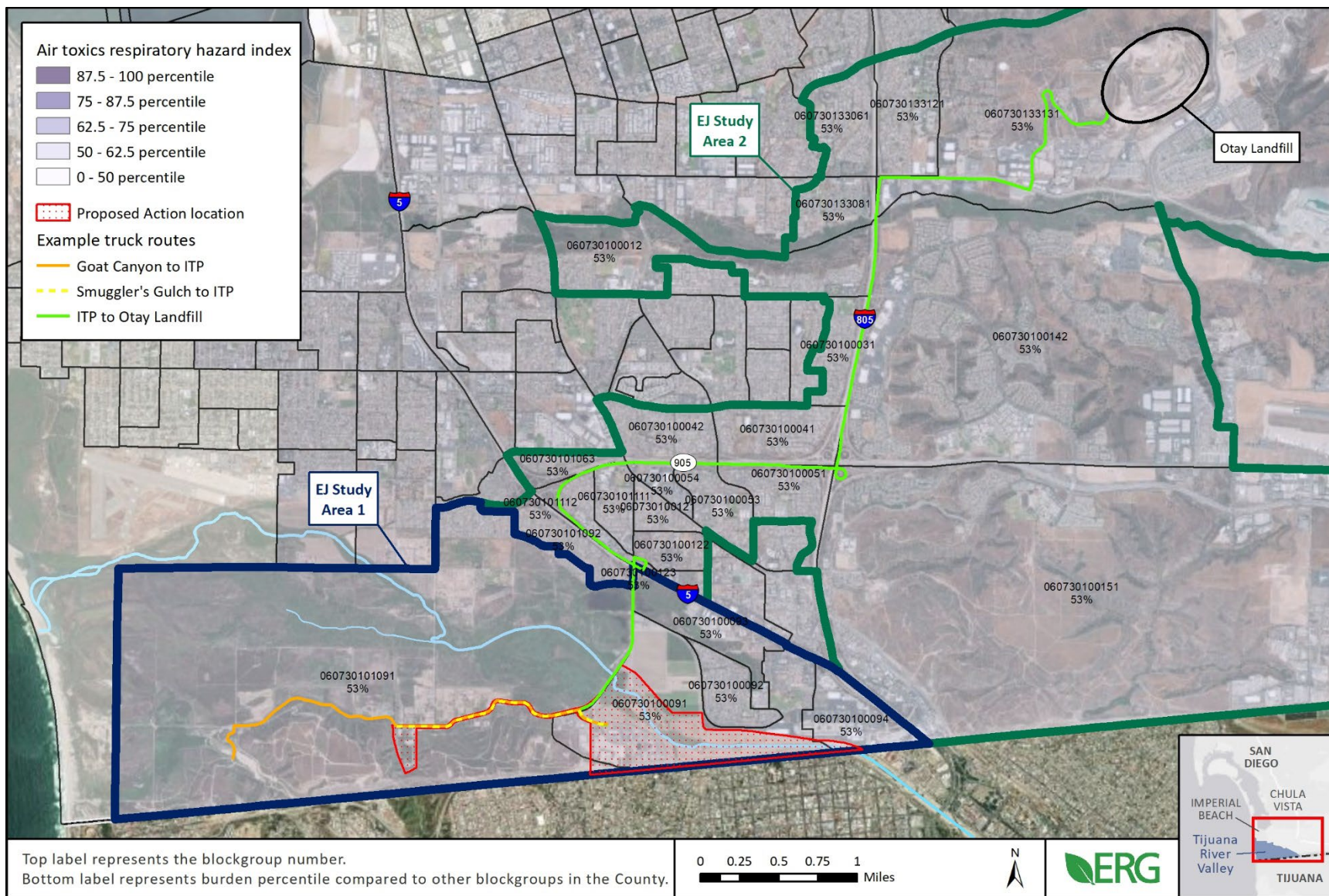


Figure 20. 2017 Air Toxics Respiratory Hazard Index Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

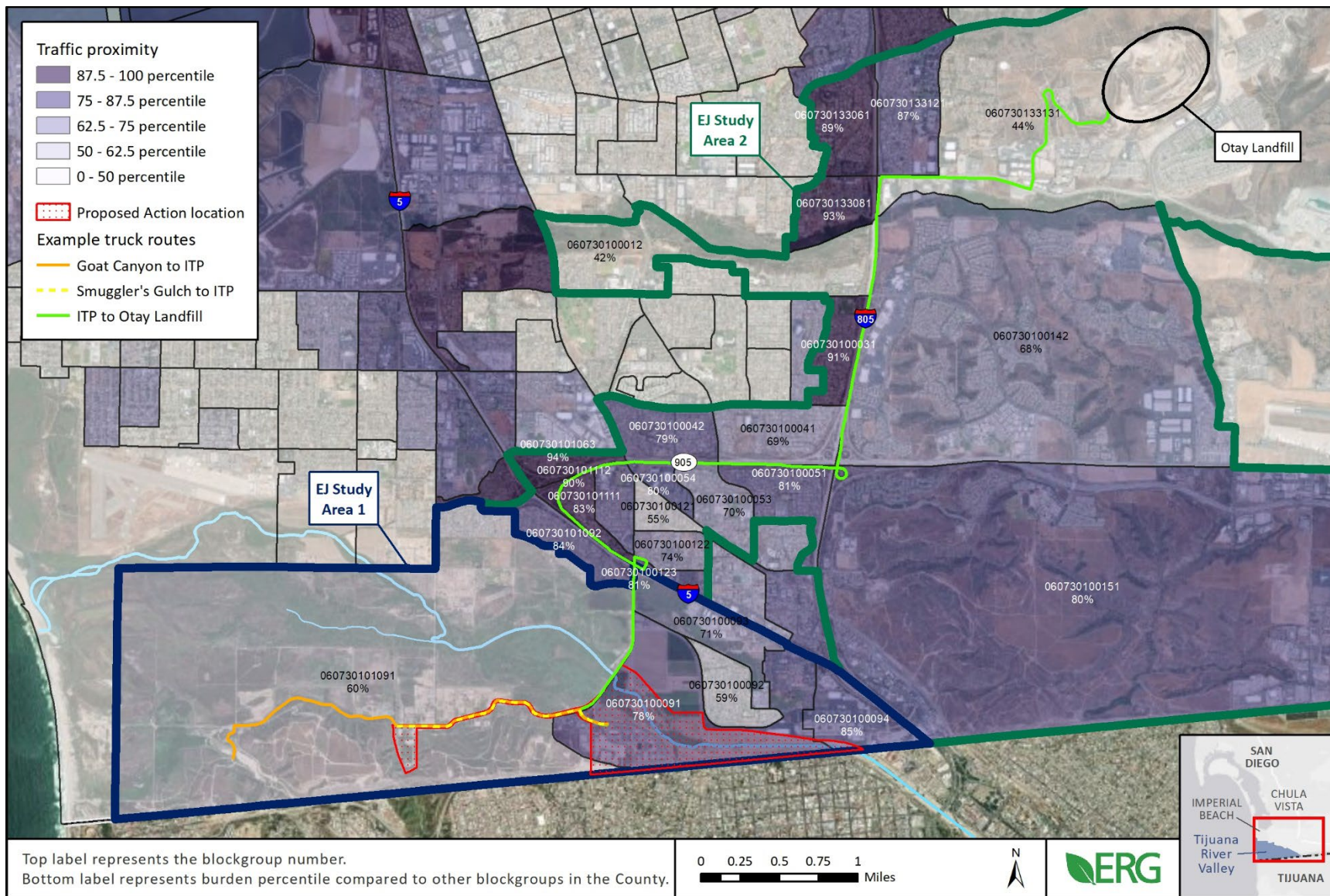


Figure 21. Traffic Proximity Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

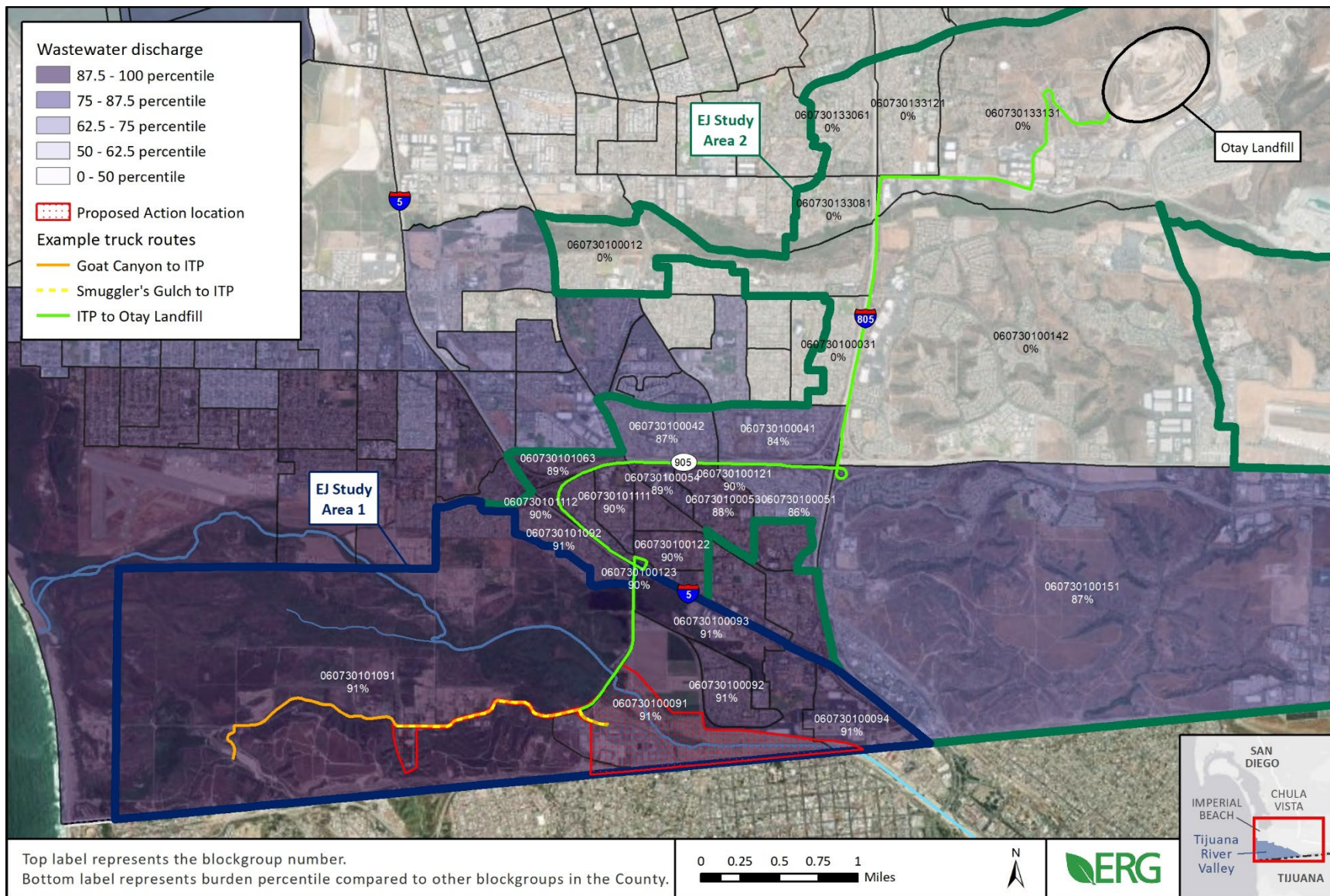


Figure 22. Wastewater Discharge Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

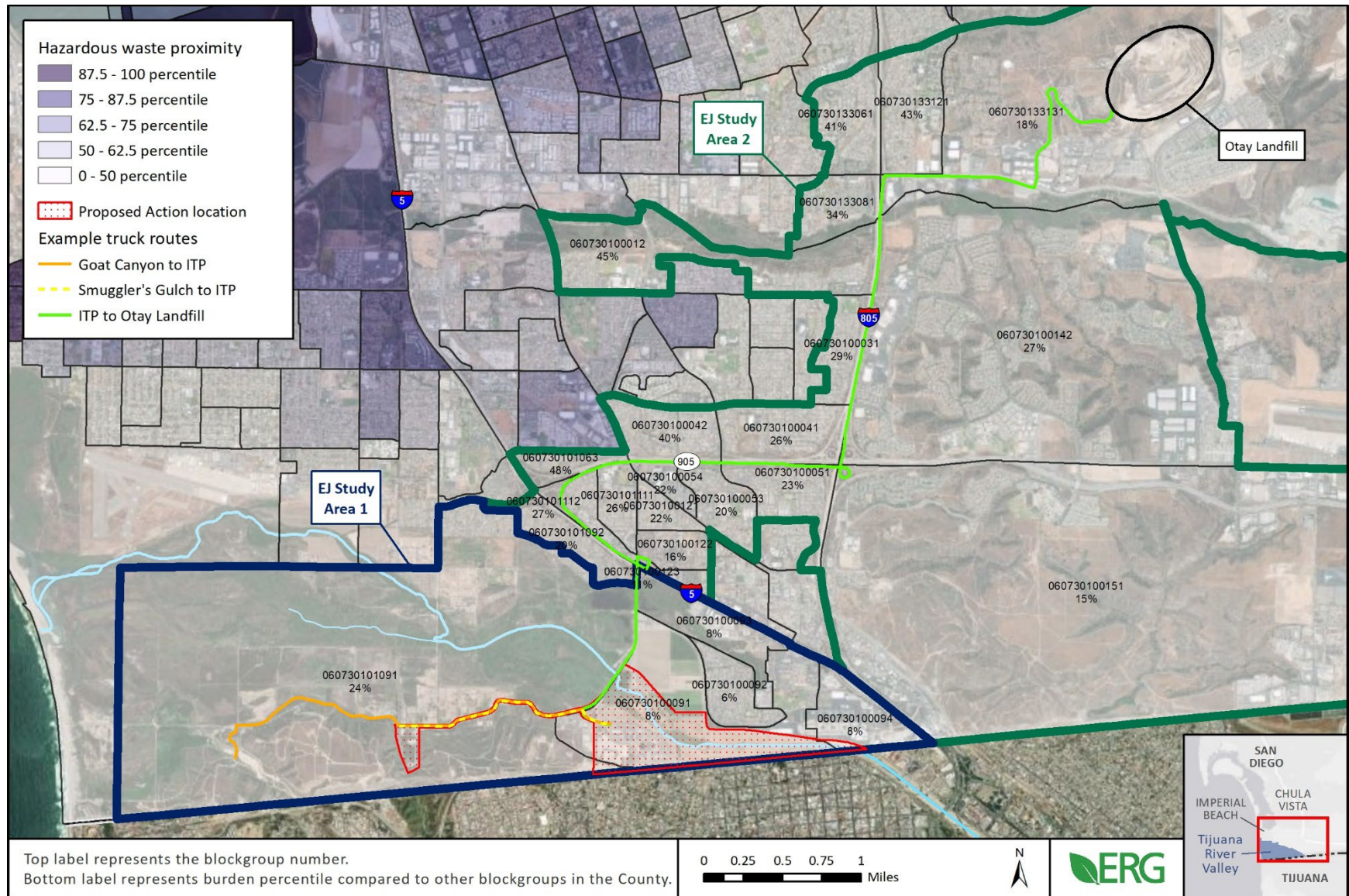


Figure 23. Hazardous Waste Proximity Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

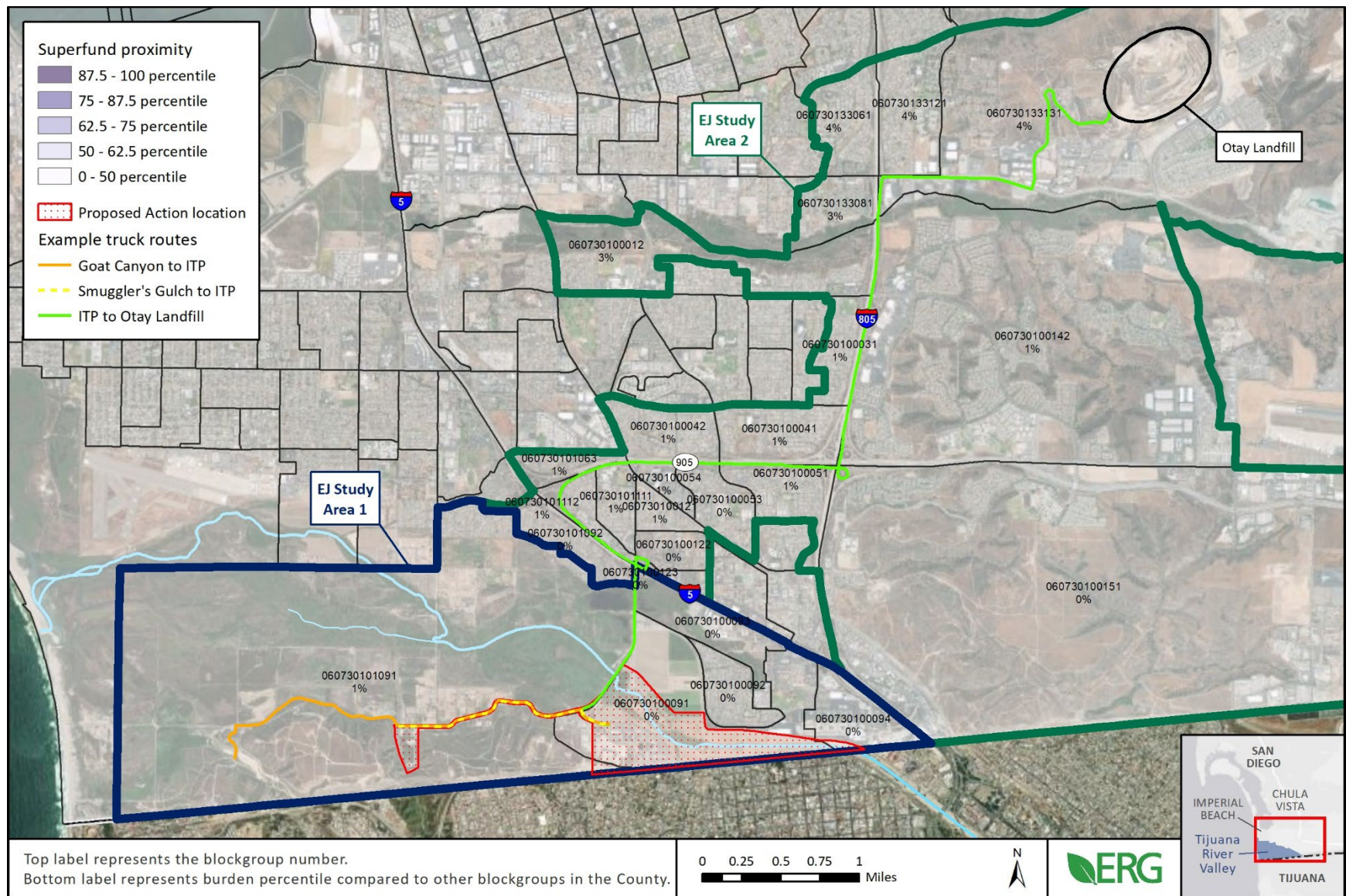


Figure 24. Superfund Proximity Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

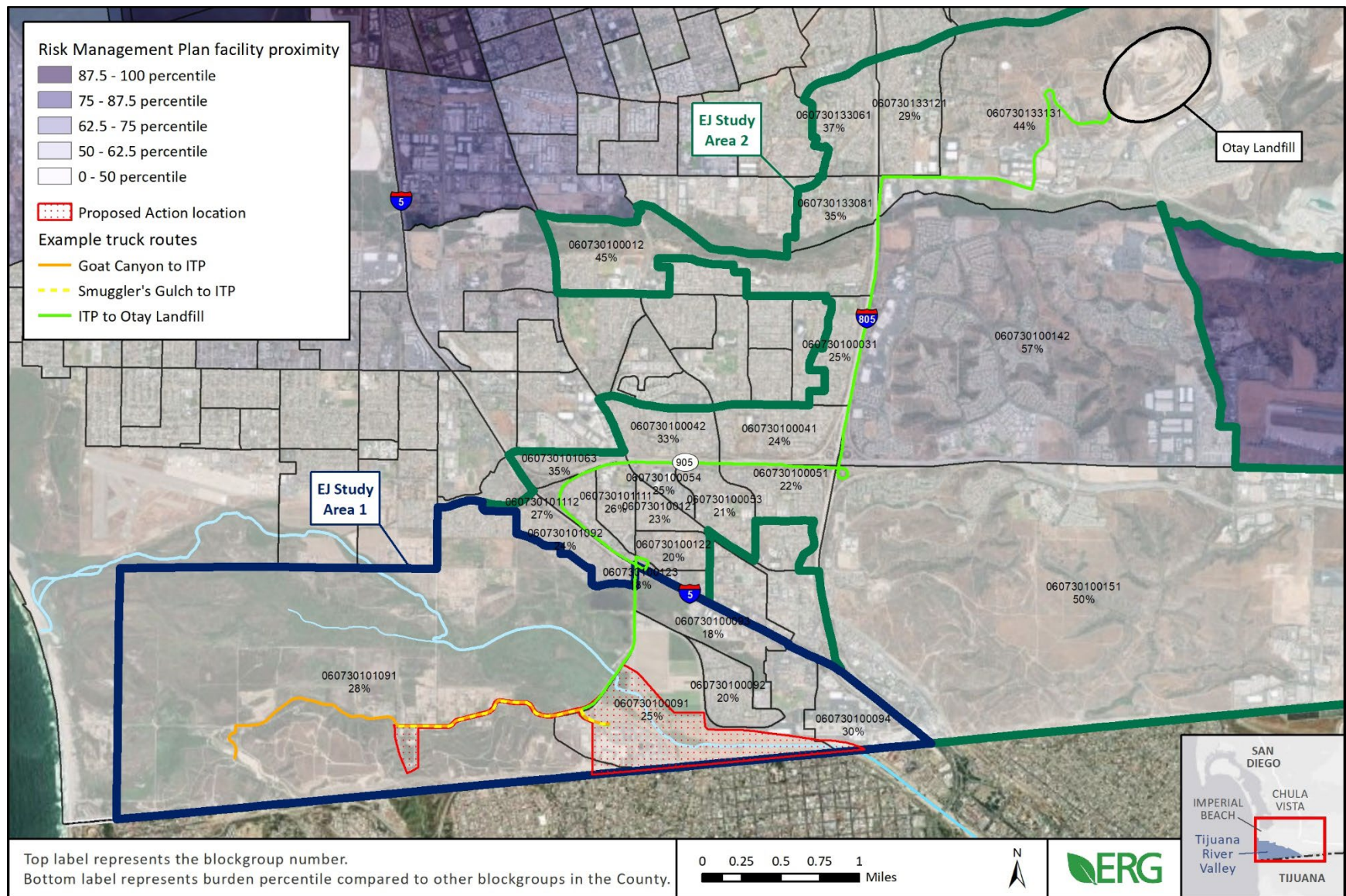


Figure 25. Risk Management Plan Facility Percentile (County) for Block Groups in EJ Study Area, Based on EJScreen 2.0 Data

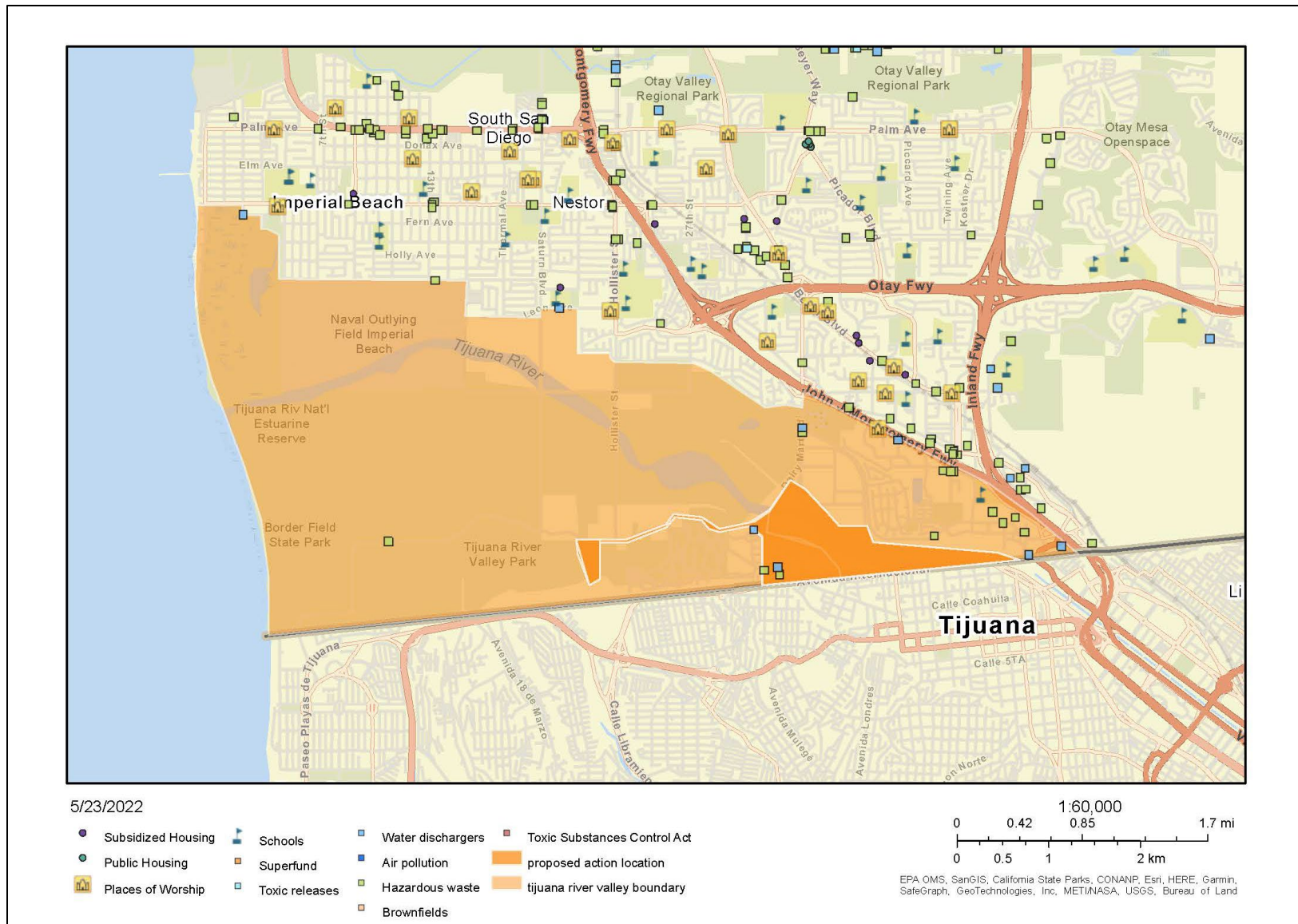


Figure 26. EJScreen 2.0 Locations of Certain Environmental Indicators and Social Institutions Near the Tijuana River Valley

Table 1. Population Statistics for Communities in the EJ Study Area Based on EJScreen 2.0 Data <sup>a</sup>

Census Block Group Number	Minority			Low-Income			Demographic Index			Unemployment		
	Percent of Population	County Percentile	State Percentile	Percent of Population	County Percentile	State Percentile	Value	County Percentile	State Percentile	Value	County Percentile	State Percentile
<i>EJ Study Area 1</i>												
060730100091	100%	99 <sup>th</sup>	98 <sup>th</sup>	86%	99 <sup>th</sup>	99 <sup>th</sup>	93%	99 <sup>th</sup>	99 <sup>th</sup>	9%	78 <sup>th</sup>	79 <sup>th</sup>
060730100092	95%	95 <sup>th</sup>	88 <sup>th</sup>	11%	19 <sup>th</sup>	18 <sup>th</sup>	53%	72 <sup>nd</sup>	60 <sup>th</sup>	5%	50 <sup>th</sup>	47 <sup>th</sup>
060730100093	98%	98 <sup>th</sup>	95 <sup>th</sup>	62%	94 <sup>th</sup>	90 <sup>th</sup>	80%	97 <sup>th</sup>	94 <sup>th</sup>	4%	39 <sup>th</sup>	36 <sup>th</sup>
060730100094	100%	99 <sup>th</sup>	100 <sup>th</sup>	68%	96 <sup>th</sup>	94 <sup>th</sup>	84%	98 <sup>th</sup>	97 <sup>th</sup>	13%	90 <sup>th</sup>	90 <sup>th</sup>
060730101091	85%	84 <sup>th</sup>	72 <sup>nd</sup>	14%	27 <sup>th</sup>	24 <sup>th</sup>	50%	69 <sup>th</sup>	55 <sup>th</sup>	6%	57 <sup>th</sup>	56 <sup>th</sup>
<i>EJ Study Area 2</i>												
060730100012	82%	81 <sup>st</sup>	68 <sup>th</sup>	17%	35 <sup>th</sup>	31 <sup>st</sup>	49%	69 <sup>th</sup>	54 <sup>th</sup>	8%	68 <sup>th</sup>	69 <sup>th</sup>
060730100031	97%	98 <sup>th</sup>	92 <sup>nd</sup>	16%	32 <sup>nd</sup>	28 <sup>th</sup>	57%	77 <sup>th</sup>	65 <sup>th</sup>	6%	62 <sup>nd</sup>	61 <sup>st</sup>
060730100041	92%	91 <sup>st</sup>	82 <sup>nd</sup>	48%	83 <sup>rd</sup>	78 <sup>th</sup>	70%	90 <sup>th</sup>	84 <sup>th</sup>	8%	71 <sup>st</sup>	71 <sup>st</sup>
060730100042	97%	97 <sup>th</sup>	91 <sup>st</sup>	37%	71 <sup>st</sup>	65 <sup>th</sup>	67%	88 <sup>th</sup>	80 <sup>th</sup>	16%	94 <sup>th</sup>	94 <sup>th</sup>
060730100051	98%	98 <sup>th</sup>	94 <sup>th</sup>	30%	63 <sup>rd</sup>	55 <sup>th</sup>	64%	86 <sup>th</sup>	76 <sup>th</sup>	14%	91 <sup>st</sup>	91 <sup>st</sup>
060730100053	97%	97 <sup>th</sup>	91 <sup>st</sup>	68%	96 <sup>th</sup>	94 <sup>th</sup>	82%	98 <sup>th</sup>	96 <sup>th</sup>	8%	72 <sup>nd</sup>	73 <sup>rd</sup>
060730100054	96%	96 <sup>th</sup>	90 <sup>th</sup>	79%	99 <sup>th</sup>	98 <sup>th</sup>	88%	99 <sup>th</sup>	98 <sup>th</sup>	20%	97 <sup>th</sup>	97 <sup>th</sup>
060730100121	96%	96 <sup>th</sup>	90 <sup>th</sup>	11%	19 <sup>th</sup>	17 <sup>th</sup>	54%	73 <sup>rd</sup>	61 <sup>st</sup>	4%	41 <sup>st</sup>	37 <sup>th</sup>
060730100122	100%	99 <sup>th</sup>	98 <sup>th</sup>	62%	93 <sup>rd</sup>	90 <sup>th</sup>	81%	97 <sup>th</sup>	95 <sup>th</sup>	17%	96 <sup>th</sup>	96 <sup>th</sup>
060730100123	100%	99 <sup>th</sup>	100 <sup>th</sup>	64%	94 <sup>th</sup>	91 <sup>st</sup>	82%	97 <sup>th</sup>	95 <sup>th</sup>	10%	80 <sup>th</sup>	80 <sup>th</sup>
060730100142	88%	87 <sup>th</sup>	76 <sup>th</sup>	17%	36 <sup>th</sup>	32 <sup>nd</sup>	53%	72 <sup>nd</sup>	59 <sup>th</sup>	5%	50 <sup>th</sup>	47 <sup>th</sup>
060730100151	93%	93 <sup>rd</sup>	85 <sup>th</sup>	22%	47 <sup>th</sup>	40 <sup>th</sup>	58%	79 <sup>th</sup>	67 <sup>th</sup>	4%	46 <sup>th</sup>	42 <sup>nd</sup>
060730101063	93%	93 <sup>rd</sup>	84 <sup>th</sup>	53%	88 <sup>th</sup>	83 <sup>rd</sup>	73%	93 <sup>rd</sup>	87 <sup>th</sup>	18%	97 <sup>th</sup>	96 <sup>th</sup>
060730101092	95%	96 <sup>th</sup>	89 <sup>th</sup>	36%	70 <sup>th</sup>	63 <sup>rd</sup>	66%	87 <sup>th</sup>	78 <sup>th</sup>	14%	92 <sup>nd</sup>	92 <sup>nd</sup>
060730101111	97%	97 <sup>th</sup>	92 <sup>nd</sup>	51%	86 <sup>th</sup>	81 <sup>st</sup>	74%	93 <sup>rd</sup>	89 <sup>th</sup>	10%	79 <sup>th</sup>	80 <sup>th</sup>
060730101112	92%	91 <sup>st</sup>	82 <sup>nd</sup>	57%	91 <sup>st</sup>	86 <sup>th</sup>	74%	93 <sup>rd</sup>	88 <sup>th</sup>	10%	81 <sup>st</sup>	82 <sup>nd</sup>
060730133061	91%	90 <sup>th</sup>	81 <sup>st</sup>	28%	59 <sup>th</sup>	51 <sup>st</sup>	60%	80 <sup>th</sup>	70 <sup>th</sup>	13%	91 <sup>st</sup>	91 <sup>st</sup>
060730133081	89%	89 <sup>th</sup>	79 <sup>th</sup>	48%	83 <sup>rd</sup>	78 <sup>th</sup>	69%	89 <sup>th</sup>	82 <sup>nd</sup>	18%	96 <sup>th</sup>	96 <sup>th</sup>
060730133121	87%	86 <sup>th</sup>	75 <sup>th</sup>	24%	53 <sup>rd</sup>	45 <sup>th</sup>	56%	76 <sup>th</sup>	64 <sup>th</sup>	11%	83 <sup>rd</sup>	84 <sup>th</sup>
060730133131	85%	84 <sup>th</sup>	72 <sup>nd</sup>	14%	26 <sup>th</sup>	23 <sup>rd</sup>	49%	68 <sup>th</sup>	54 <sup>th</sup>	9%	74 <sup>th</sup>	75 <sup>th</sup>

Source: (EPA, 2022a)

a – Percentages and percentiles for environmental indicators are based on the raw environmental indicator values (not the EJ Index values).



Table 1. Population Statistics for Communities in the EJ Study Area Based on EJScreen 2.0 Data (Continued) <sup>a</sup>

Census Block Group Number	Linguistic Isolation			Less than High School Education			Under Age 5			Over Age 64			Lead Paint		
	Percent of Population	County Percentile	State Percentile	Percent of Population	County Percentile	State Percentile	Value	County Percentile	State Percentile	Percent of Population	County Percentile	State Percentile	Value (% Pre-1960 Housing)	County Percentile	State Percentile
<i>EJ Study Area 1</i>															
060730100091	26%	95 <sup>th</sup>	91 <sup>st</sup>	47%	97 <sup>th</sup>	93 <sup>rd</sup>	13%	94 <sup>th</sup>	94 <sup>th</sup>	2%	2 <sup>nd</sup>	2 <sup>nd</sup>	0%	0 <sup>th</sup>	11 <sup>th</sup>
060730100092	9%	74 <sup>th</sup>	61 <sup>st</sup>	18%	73 <sup>rd</sup>	61 <sup>st</sup>	8%	72 <sup>nd</sup>	69 <sup>th</sup>	6%	12 <sup>th</sup>	12 <sup>th</sup>	0%	0 <sup>th</sup>	11 <sup>th</sup>
060730100093	22%	93 <sup>rd</sup>	88 <sup>th</sup>	38%	93 <sup>rd</sup>	87 <sup>th</sup>	4%	33 <sup>rd</sup>	28 <sup>th</sup>	11%	40 <sup>th</sup>	44 <sup>th</sup>	11%	44 <sup>th</sup>	39 <sup>th</sup>
060730100094	41%	99 <sup>th</sup>	98 <sup>th</sup>	30%	86 <sup>th</sup>	78 <sup>th</sup>	17%	98 <sup>th</sup>	99 <sup>th</sup>	11%	39 <sup>th</sup>	43 <sup>rd</sup>	0%	0 <sup>th</sup>	11 <sup>th</sup>
060730101091	4%	51 <sup>st</sup>	37 <sup>th</sup>	12%	62 <sup>nd</sup>	49 <sup>th</sup>	8%	76 <sup>th</sup>	73 <sup>rd</sup>	16%	61 <sup>st</sup>	66 <sup>th</sup>	0%	0 <sup>th</sup>	11 <sup>th</sup>
<i>EJ Study Area 2</i>															
060730100012	10%	77 <sup>th</sup>	65 <sup>th</sup>	24%	80 <sup>th</sup>	70 <sup>th</sup>	9%	80 <sup>th</sup>	79 <sup>th</sup>	14%	53 <sup>rd</sup>	58 <sup>th</sup>	4%	30 <sup>th</sup>	26 <sup>th</sup>
060730100031	6%	64 <sup>th</sup>	49 <sup>th</sup>	15%	69 <sup>th</sup>	56 <sup>th</sup>	10%	88 <sup>th</sup>	87 <sup>th</sup>	16%	64 <sup>th</sup>	69 <sup>th</sup>	1%	18 <sup>th</sup>	15 <sup>th</sup>
060730100041	18%	90 <sup>th</sup>	83 <sup>rd</sup>	37%	93 <sup>rd</sup>	86 <sup>th</sup>	1%	9 <sup>th</sup>	6 <sup>th</sup>	19%	72 <sup>nd</sup>	78 <sup>th</sup>	5%	34 <sup>th</sup>	30 <sup>th</sup>
060730100042	3%	49 <sup>th</sup>	34 <sup>th</sup>	16%	70 <sup>th</sup>	58 <sup>th</sup>	11%	91 <sup>st</sup>	90 <sup>th</sup>	13%	49 <sup>th</sup>	54 <sup>th</sup>	15%	51 <sup>st</sup>	44 <sup>th</sup>
060730100051	17%	89 <sup>th</sup>	81 <sup>st</sup>	30%	87 <sup>th</sup>	79 <sup>th</sup>	10%	84 <sup>th</sup>	83 <sup>rd</sup>	12%	42 <sup>nd</sup>	47 <sup>th</sup>	8%	40 <sup>th</sup>	35 <sup>th</sup>
060730100053	35%	98 <sup>th</sup>	96 <sup>th</sup>	44%	96 <sup>th</sup>	91 <sup>st</sup>	13%	95 <sup>th</sup>	95 <sup>th</sup>	13%	49 <sup>th</sup>	54 <sup>th</sup>	12%	46 <sup>th</sup>	40 <sup>th</sup>
060730100054	37%	99 <sup>th</sup>	97 <sup>th</sup>	45%	97 <sup>th</sup>	92 <sup>nd</sup>	3%	25 <sup>th</sup>	21 <sup>st</sup>	15%	60 <sup>th</sup>	65 <sup>th</sup>	5%	34 <sup>th</sup>	29 <sup>th</sup>
060730100121	13%	83 <sup>rd</sup>	72 <sup>nd</sup>	41%	95 <sup>th</sup>	89 <sup>th</sup>	1%	11 <sup>th</sup>	8 <sup>th</sup>	10%	34 <sup>th</sup>	39 <sup>th</sup>	0%	0 <sup>th</sup>	11 <sup>th</sup>
060730100122	36%	99 <sup>th</sup>	97 <sup>th</sup>	45%	96 <sup>th</sup>	92 <sup>nd</sup>	11%	90 <sup>th</sup>	89 <sup>th</sup>	6%	14 <sup>th</sup>	15 <sup>th</sup>	11%	44 <sup>th</sup>	39 <sup>th</sup>
060730100123	42%	99 <sup>th</sup>	98 <sup>th</sup>	39%	94 <sup>th</sup>	87 <sup>th</sup>	6%	59 <sup>th</sup>	55 <sup>th</sup>	10%	31 <sup>st</sup>	34 <sup>th</sup>	11%	45 <sup>th</sup>	39 <sup>th</sup>
060730100142	9%	75 <sup>th</sup>	62 <sup>nd</sup>	15%	68 <sup>th</sup>	54 <sup>th</sup>	8%	75 <sup>th</sup>	72 <sup>nd</sup>	9%	28 <sup>th</sup>	32 <sup>nd</sup>	0%	15 <sup>th</sup>	11 <sup>th</sup>
060730100151	13%	82 <sup>nd</sup>	71 <sup>st</sup>	23%	80 <sup>th</sup>	69 <sup>th</sup>	9%	79 <sup>th</sup>	78 <sup>th</sup>	8%	20 <sup>th</sup>	22 <sup>nd</sup>	7%	38 <sup>th</sup>	33 <sup>rd</sup>
060730101063	35%	98 <sup>th</sup>	96 <sup>th</sup>	44%	96 <sup>th</sup>	91 <sup>st</sup>	5%	46 <sup>th</sup>	42 <sup>nd</sup>	14%	54 <sup>th</sup>	58 <sup>th</sup>	6%	35 <sup>th</sup>	31 <sup>st</sup>
060730101092	18%	90 <sup>th</sup>	83 <sup>rd</sup>	29%	86 <sup>th</sup>	77 <sup>th</sup>	5%	47 <sup>th</sup>	43 <sup>rd</sup>	15%	59 <sup>th</sup>	64 <sup>th</sup>	7%	37 <sup>th</sup>	32 <sup>nd</sup>
060730101111	14%	85 <sup>th</sup>	75 <sup>th</sup>	36%	91 <sup>st</sup>	84 <sup>th</sup>	7%	61 <sup>st</sup>	57 <sup>th</sup>	13%	49 <sup>th</sup>	55 <sup>th</sup>	13%	48 <sup>th</sup>	42 <sup>nd</sup>
060730101112	28%	96 <sup>th</sup>	93 <sup>rd</sup>	35%	91 <sup>st</sup>	84 <sup>th</sup>	6%	55 <sup>th</sup>	50 <sup>th</sup>	12%	42 <sup>nd</sup>	47 <sup>th</sup>	0%	0 <sup>th</sup>	11 <sup>th</sup>
060730133061	7%	67 <sup>th</sup>	52 <sup>nd</sup>	27%	84 <sup>th</sup>	74 <sup>th</sup>	6%	61 <sup>st</sup>	56 <sup>th</sup>	10%	34 <sup>th</sup>	38 <sup>th</sup>	11%	44 <sup>th</sup>	39 <sup>th</sup>
060730133081	17%	89 <sup>th</sup>	81 <sup>st</sup>	17%	71 <sup>st</sup>	60 <sup>th</sup>	9%	81 <sup>st</sup>	79 <sup>th</sup>	5%	9 <sup>th</sup>	9 <sup>th</sup>	4%	31 <sup>st</sup>	27 <sup>th</sup>
060730133121	6%	65 <sup>th</sup>	50 <sup>th</sup>	19%	76 <sup>th</sup>	63 <sup>rd</sup>	6%	49 <sup>th</sup>	45 <sup>th</sup>	12%	45 <sup>th</sup>	50 <sup>th</sup>	5%	33 <sup>rd</sup>	29 <sup>th</sup>
060730133131	6%	63 <sup>rd</sup>	47 <sup>th</sup>	7%	46 <sup>th</sup>	34 <sup>th</sup>	8%	75 <sup>th</sup>	73 <sup>rd</sup>	7%	19 <sup>th</sup>	20 <sup>th</sup>	1%	18 <sup>th</sup>	15 <sup>th</sup>

Source: (EPA, 2022a)

a – Percentages and percentiles for environmental indicators are based on the raw environmental indicator values (not the EJ Index values).

Table 1. Population Statistics for Communities in the EJ Study Area Based on EJScreen 2.0 Data (Continued) <sup>a</sup>

Census Block Group Number	Diesel PM			Fine Particulate Matter (PM <sub>2.5</sub> )			Ozone			Air Toxics Cancer Risk			Air Toxics Respiratory Hazard Index		
	Value (µg/m <sup>3</sup> )	County Percentile	State Percentile	Value (µg/m <sup>3</sup> )	County Percentile	State Percentile	Value (ppb)	County Percentile	State Percentile	Value (lifetime risk per million)	County Percentile	State Percentile	Value	County Percentile	State Percentile
<i>EJ Study Area 1</i>															
060730100091	0.290	48 <sup>th</sup>	45 <sup>th</sup>	9.69	11 <sup>th</sup>	15 <sup>th</sup>	39.2	3 <sup>rd</sup>	20 <sup>th</sup>	40	94 <sup>th</sup>	98 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730100092	0.290	48 <sup>th</sup>	45 <sup>th</sup>	9.69	11 <sup>th</sup>	15 <sup>th</sup>	39.2	3 <sup>rd</sup>	20 <sup>th</sup>	40	94 <sup>th</sup>	98 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730100093	0.290	48 <sup>th</sup>	45 <sup>th</sup>	9.69	11 <sup>th</sup>	15 <sup>th</sup>	39.2	3 <sup>rd</sup>	20 <sup>th</sup>	40	94 <sup>th</sup>	98 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730100094	0.290	48 <sup>th</sup>	45 <sup>th</sup>	9.69	11 <sup>th</sup>	15 <sup>th</sup>	39.2	3 <sup>rd</sup>	20 <sup>th</sup>	40	94 <sup>th</sup>	98 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730101091	0.213	16 <sup>th</sup>	28 <sup>th</sup>	9.56	5 <sup>th</sup>	14 <sup>th</sup>	38.6	0 <sup>th</sup>	19 <sup>th</sup>	50	99 <sup>th</sup>	99 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
<i>EJ Study Area 2</i>															
060730100012	0.345	66 <sup>th</sup>	56 <sup>th</sup>	9.79	19 <sup>th</sup>	16 <sup>th</sup>	40.0	10 <sup>th</sup>	23 <sup>rd</sup>	40	94 <sup>th</sup>	98 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730100031	0.319	59 <sup>th</sup>	51 <sup>st</sup>	9.78	18 <sup>th</sup>	16 <sup>th</sup>	40.1	11 <sup>th</sup>	23 <sup>rd</sup>	40	94 <sup>th</sup>	98 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730100041	0.324	61 <sup>st</sup>	52 <sup>nd</sup>	9.75	15 <sup>th</sup>	16 <sup>th</sup>	39.7	7 <sup>th</sup>	22 <sup>nd</sup>	50	99 <sup>th</sup>	99 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730100042	0.324	61 <sup>st</sup>	52 <sup>nd</sup>	9.75	15 <sup>th</sup>	16 <sup>th</sup>	39.7	7 <sup>th</sup>	22 <sup>nd</sup>	50	99 <sup>th</sup>	99 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730100051	0.318	58 <sup>th</sup>	51 <sup>st</sup>	9.75	14 <sup>th</sup>	16 <sup>th</sup>	39.6	6 <sup>th</sup>	21 <sup>st</sup>	50	99 <sup>th</sup>	99 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730100053	0.318	58 <sup>th</sup>	51 <sup>st</sup>	9.75	14 <sup>th</sup>	16 <sup>th</sup>	39.6	6 <sup>th</sup>	21 <sup>st</sup>	50	99 <sup>th</sup>	99 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730100054	0.318	58 <sup>th</sup>	51 <sup>st</sup>	9.75	14 <sup>th</sup>	16 <sup>th</sup>	39.6	6 <sup>th</sup>	21 <sup>st</sup>	50	99 <sup>th</sup>	99 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730100121	0.307	54 <sup>th</sup>	49 <sup>th</sup>	9.73	13 <sup>th</sup>	16 <sup>th</sup>	39.3	4 <sup>th</sup>	21 <sup>st</sup>	50	99 <sup>th</sup>	99 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730100122	0.307	54 <sup>th</sup>	49 <sup>th</sup>	9.73	13 <sup>th</sup>	16 <sup>th</sup>	39.3	4 <sup>th</sup>	21 <sup>st</sup>	50	99 <sup>th</sup>	99 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730100123	0.307	54 <sup>th</sup>	49 <sup>th</sup>	9.73	13 <sup>th</sup>	16 <sup>th</sup>	39.3	4 <sup>th</sup>	21 <sup>st</sup>	50	99 <sup>th</sup>	99 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730100142	0.255	35 <sup>th</sup>	37 <sup>th</sup>	9.75	14 <sup>th</sup>	16 <sup>th</sup>	42.0	39 <sup>th</sup>	31 <sup>st</sup>	50	99 <sup>th</sup>	99 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730100151	0.284	47 <sup>th</sup>	44 <sup>th</sup>	9.66	9 <sup>th</sup>	15 <sup>th</sup>	42.2	41 <sup>st</sup>	32 <sup>nd</sup>	60	100 <sup>th</sup>	99 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730101063	0.321	59 <sup>th</sup>	52 <sup>nd</sup>	9.72	12 <sup>th</sup>	16 <sup>th</sup>	39.3	3 <sup>rd</sup>	20 <sup>th</sup>	40	94 <sup>th</sup>	98 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730101092	0.213	16 <sup>th</sup>	28 <sup>th</sup>	9.56	5 <sup>th</sup>	14 <sup>th</sup>	38.6	0 <sup>th</sup>	19 <sup>th</sup>	50	99 <sup>th</sup>	99 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730101111	0.308	54 <sup>th</sup>	49 <sup>th</sup>	9.71	12 <sup>th</sup>	15 <sup>th</sup>	39.2	3 <sup>rd</sup>	20 <sup>th</sup>	50	99 <sup>th</sup>	99 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730101112	0.308	54 <sup>th</sup>	49 <sup>th</sup>	9.71	12 <sup>th</sup>	15 <sup>th</sup>	39.2	3 <sup>rd</sup>	20 <sup>th</sup>	50	99 <sup>th</sup>	99 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730133061	0.333	63 <sup>rd</sup>	54 <sup>th</sup>	9.84	22 <sup>nd</sup>	17 <sup>th</sup>	40.8	17 <sup>th</sup>	25 <sup>th</sup>	40	94 <sup>th</sup>	98 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730133081	0.338	64 <sup>th</sup>	55 <sup>th</sup>	9.81	20 <sup>th</sup>	17 <sup>th</sup>	40.2	12 <sup>th</sup>	24 <sup>th</sup>	40	94 <sup>th</sup>	98 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730133121	0.318	58 <sup>th</sup>	51 <sup>st</sup>	9.83	22 <sup>nd</sup>	17 <sup>th</sup>	40.9	19 <sup>th</sup>	26 <sup>th</sup>	40	94 <sup>th</sup>	98 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>
060730133131	0.260	37 <sup>th</sup>	39 <sup>th</sup>	9.81	20 <sup>th</sup>	17 <sup>th</sup>	42.2	41 <sup>st</sup>	31 <sup>st</sup>	40	94 <sup>th</sup>	98 <sup>th</sup>	0.4	53 <sup>rd</sup>	66 <sup>th</sup>

Source: (EPA, 2022a)

a – Percentages and percentiles for environmental indicators are based on the raw environmental indicator values (not the EJ Index values).

Table 1. Population Statistics for Communities in the EJ Study Area Based on EJScreen 2.0 Data (Continued) <sup>a</sup>

Census Block Group Number	Traffic Proximity			Wastewater Discharge			Hazardous Waste Proximity			Superfund Proximity			RMP Facility Proximity		
	Value (daily traffic count/distance to road)	County Percentile	State Percentile	Value	County Percentile	State Percentile	Value (facility count/km distance)	County Percentile	State Percentile	Value	County Percentile	State Percentile	Value (facility count/km distance)	County Percentile	State Percentile
<i>EJ Study Area 1</i>															
060730100091	2,013	78 <sup>th</sup>	82 <sup>nd</sup>	2.6	91 <sup>st</sup>	83 <sup>rd</sup>	1.0	8 <sup>th</sup>	17 <sup>th</sup>	0.011	0 <sup>th</sup>	0 <sup>th</sup>	0.17	25 <sup>th</sup>	15 <sup>th</sup>
060730100092	639	59 <sup>th</sup>	62 <sup>nd</sup>	3.6	91 <sup>st</sup>	85 <sup>th</sup>	0.7	6 <sup>th</sup>	13 <sup>th</sup>	0.011	0 <sup>th</sup>	0 <sup>th</sup>	0.15	20 <sup>th</sup>	13 <sup>th</sup>
060730100093	1,225	71 <sup>st</sup>	74 <sup>th</sup>	1.7	91 <sup>st</sup>	79 <sup>th</sup>	0.9	8 <sup>th</sup>	16 <sup>th</sup>	0.011	0 <sup>th</sup>	1 <sup>st</sup>	0.14	18 <sup>th</sup>	12 <sup>th</sup>
060730100094	3,081	85 <sup>th</sup>	87 <sup>th</sup>	3.7	91 <sup>st</sup>	85 <sup>th</sup>	0.9	8 <sup>th</sup>	16 <sup>th</sup>	0.011	0 <sup>th</sup>	0 <sup>th</sup>	0.18	30 <sup>th</sup>	17 <sup>th</sup>
060730101091	666	60 <sup>th</sup>	63 <sup>rd</sup>	1.8	91 <sup>st</sup>	79 <sup>th</sup>	2.1	24 <sup>th</sup>	31 <sup>st</sup>	0.012	1 <sup>st</sup>	1 <sup>st</sup>	0.17	28 <sup>th</sup>	17 <sup>th</sup>
<i>EJ Study Area 2</i>															
060730100012	235	42 <sup>nd</sup>	43 <sup>rd</sup>	0.0	0 <sup>th</sup>	0 <sup>th</sup>	3.6	45 <sup>th</sup>	48 <sup>th</sup>	0.012	3 <sup>rd</sup>	1 <sup>st</sup>	0.23	45 <sup>th</sup>	27 <sup>th</sup>
060730100031	4,256	91 <sup>st</sup>	91 <sup>st</sup>	0.0	0 <sup>th</sup>	0 <sup>th</sup>	2.6	29 <sup>th</sup>	37 <sup>th</sup>	0.012	1 <sup>st</sup>	1 <sup>st</sup>	0.17	25 <sup>th</sup>	15 <sup>th</sup>
060730100041	1,118	69 <sup>th</sup>	72 <sup>nd</sup>	0.4	84 <sup>th</sup>	66 <sup>th</sup>	2.3	26 <sup>th</sup>	33 <sup>rd</sup>	0.012	1 <sup>st</sup>	1 <sup>st</sup>	0.16	24 <sup>th</sup>	15 <sup>th</sup>
060730100042	2,147	79 <sup>th</sup>	83 <sup>rd</sup>	0.7	87 <sup>th</sup>	70 <sup>th</sup>	3.2	40 <sup>th</sup>	44 <sup>th</sup>	0.012	1 <sup>st</sup>	1 <sup>st</sup>	0.18	33 <sup>rd</sup>	19 <sup>th</sup>
060730100051	2,525	81 <sup>st</sup>	85 <sup>th</sup>	0.6	86 <sup>th</sup>	69 <sup>th</sup>	2.1	23 <sup>rd</sup>	30 <sup>th</sup>	0.012	1 <sup>st</sup>	1 <sup>st</sup>	0.16	22 <sup>nd</sup>	14 <sup>th</sup>
060730100053	1,142	70 <sup>th</sup>	73 <sup>rd</sup>	0.8	88 <sup>th</sup>	72 <sup>nd</sup>	1.9	20 <sup>th</sup>	28 <sup>th</sup>	0.012	0 <sup>th</sup>	1 <sup>st</sup>	0.16	21 <sup>st</sup>	14 <sup>th</sup>
060730100054	2,316	80 <sup>th</sup>	84 <sup>th</sup>	0.9	89 <sup>th</sup>	73 <sup>rd</sup>	2.0	22 <sup>nd</sup>	30 <sup>th</sup>	0.012	1 <sup>st</sup>	1 <sup>st</sup>	0.16	25 <sup>th</sup>	15 <sup>th</sup>
060730100121	496	55 <sup>th</sup>	57 <sup>th</sup>	1.1	90 <sup>th</sup>	75 <sup>th</sup>	2.0	22 <sup>nd</sup>	29 <sup>th</sup>	0.012	1 <sup>st</sup>	1 <sup>st</sup>	0.16	23 <sup>rd</sup>	15 <sup>th</sup>
060730100122	1,492	74 <sup>th</sup>	77 <sup>th</sup>	1.3	90 <sup>th</sup>	76 <sup>th</sup>	1.6	16 <sup>th</sup>	25 <sup>th</sup>	0.012	0 <sup>th</sup>	1 <sup>st</sup>	0.15	20 <sup>th</sup>	13 <sup>th</sup>
060730100123	2,408	81 <sup>st</sup>	84 <sup>th</sup>	1.4	90 <sup>th</sup>	77 <sup>th</sup>	1.3	11 <sup>th</sup>	21 <sup>st</sup>	0.011	0 <sup>th</sup>	1 <sup>st</sup>	0.15	18 <sup>th</sup>	12 <sup>th</sup>
060730100142	1,042	68 <sup>th</sup>	71 <sup>st</sup>	0.0	0 <sup>th</sup>		2.3	27 <sup>th</sup>	34 <sup>th</sup>	0.012	1 <sup>st</sup>	1 <sup>st</sup>	0.30	57 <sup>th</sup>	34 <sup>th</sup>
060730100151	2,165	80 <sup>th</sup>	83 <sup>rd</sup>	0.8	87 <sup>th</sup>	71 <sup>st</sup>	1.6	15 <sup>th</sup>	24 <sup>th</sup>	0.011	0 <sup>th</sup>	1 <sup>st</sup>	0.25	50 <sup>th</sup>	30 <sup>th</sup>
060730101063	5,593	94 <sup>th</sup>	93 <sup>rd</sup>	1.0	89 <sup>th</sup>	73 <sup>rd</sup>	3.9	48 <sup>th</sup>	50 <sup>th</sup>	0.012	1 <sup>st</sup>	1 <sup>st</sup>	0.19	35 <sup>th</sup>	21 <sup>st</sup>
060730101092	2,938	84 <sup>th</sup>	87 <sup>th</sup>	1.9	91 <sup>st</sup>	80 <sup>th</sup>	1.9	20 <sup>th</sup>	28 <sup>th</sup>	0.012	0 <sup>th</sup>	1 <sup>st</sup>	0.16	24 <sup>th</sup>	15 <sup>th</sup>
060730101111	2,830	83 <sup>rd</sup>	86 <sup>th</sup>	1.2	90 <sup>th</sup>	76 <sup>th</sup>	2.2	26 <sup>th</sup>	33 <sup>rd</sup>	0.012	1 <sup>st</sup>	1 <sup>st</sup>	0.17	26 <sup>th</sup>	16 <sup>th</sup>
060730101112	4,191	90 <sup>th</sup>	90 <sup>th</sup>	1.4	90 <sup>th</sup>	77 <sup>th</sup>	2.3	27 <sup>th</sup>	34 <sup>th</sup>	0.012	1 <sup>st</sup>	1 <sup>st</sup>	0.17	27 <sup>th</sup>	16 <sup>th</sup>
060730133061	3,981	89 <sup>th</sup>	90 <sup>th</sup>	0.0	0 <sup>th</sup>	0 <sup>th</sup>	3.3	41 <sup>st</sup>	45 <sup>th</sup>	0.012	4 <sup>th</sup>	1 <sup>st</sup>	0.20	37 <sup>th</sup>	22 <sup>nd</sup>
060730133081	5,188	93 <sup>rd</sup>	92 <sup>nd</sup>	0.0	0 <sup>th</sup>	0 <sup>th</sup>	2.9	34 <sup>th</sup>	41 <sup>st</sup>	0.012	3 <sup>rd</sup>	1 <sup>st</sup>	0.19	35 <sup>th</sup>	21 <sup>st</sup>
060730133121	3,449	87 <sup>th</sup>	88 <sup>th</sup>	0.0	0 <sup>th</sup>	0 <sup>th</sup>	3.5	43 <sup>rd</sup>	47 <sup>th</sup>	0.012	4 <sup>th</sup>	1 <sup>st</sup>	0.17	29 <sup>th</sup>	17 <sup>th</sup>
060730133131	250	44 <sup>th</sup>	45 <sup>th</sup>	0.0	0 <sup>th</sup>	0 <sup>th</sup>	1.8	18 <sup>th</sup>	27 <sup>th</sup>	0.012	4 <sup>th</sup>	1 <sup>st</sup>	0.22	44 <sup>th</sup>	26 <sup>th</sup>

Source: (EPA, 2022a)

a – Percentages and percentiles for environmental indicators are based on the raw environmental indicator values (not the EJ Index values).

### **3. CALENVIROSCREEN 4.0 DATA**

EPA and USIBWC obtained and downloaded the CalEnviroScreen 4.0 dataset as a geodatabase, shapefile, and Microsoft Excel spreadsheet (CalEPA, 2021). This dataset provided the raw data values for indicators for each census tract in California as well as the indicator percentiles for each tract relative to those of all tracts in the state.

For each indicator and census tract in San Diego County, EPA and USIBWC also calculated percentiles to indicate the degree of burden relative to that of all 627 census tracts in San Diego County for that particular indicator (i.e., to provide separate percentiles that use the state and the county as the comparison population). To calculate county percentiles, EPA and USIBWC selected census tracts in only San Diego County from the spreadsheet. For every indicator, EPA and USIBWC used the “PERCENTRANK” function to rank the indicator value for each census tract relative to all the indicator values for all 627 tracts in San Diego County for which data were provided. This function is used to evaluate the standing of a value relative to other values in a data set. For example, if a census tract is in the 65<sup>th</sup> percentile for a particular indicator, it would mean that the tract has an indicator value equal to or higher than that of 65 percent of other tracts in the county.

EPA and USIBWC imported the calculated county percentile values into the CalEnviroScreen 4.0 geodatabase using ArcGIS and generated figures depicting the census tract percentiles in and surrounding the EJ Study Area. These figures, as well as tables showing the indicator values and both county and state percentiles for census tracts in the EJ Study Area, are provided below.

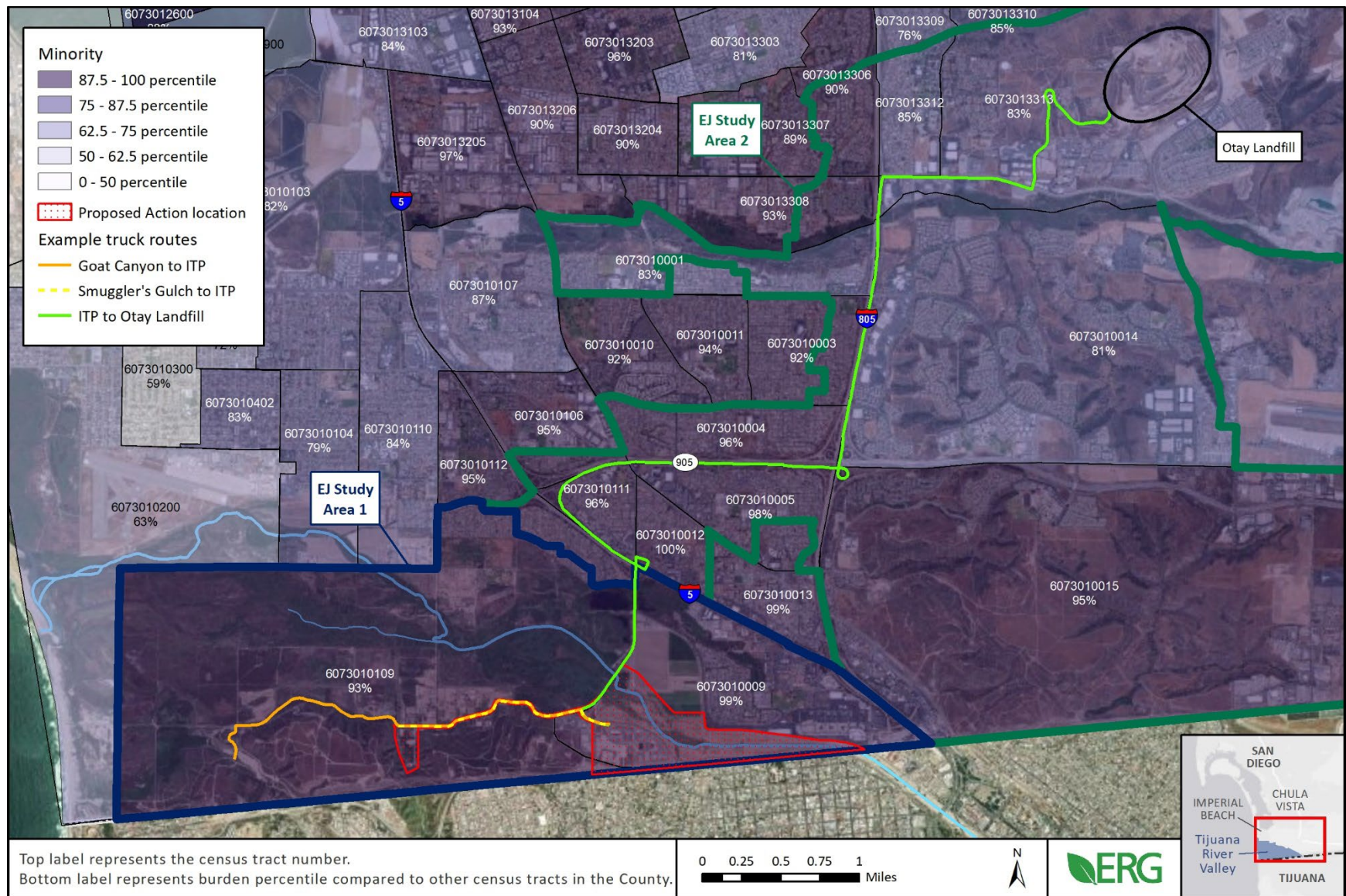


Figure 27. Minority Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

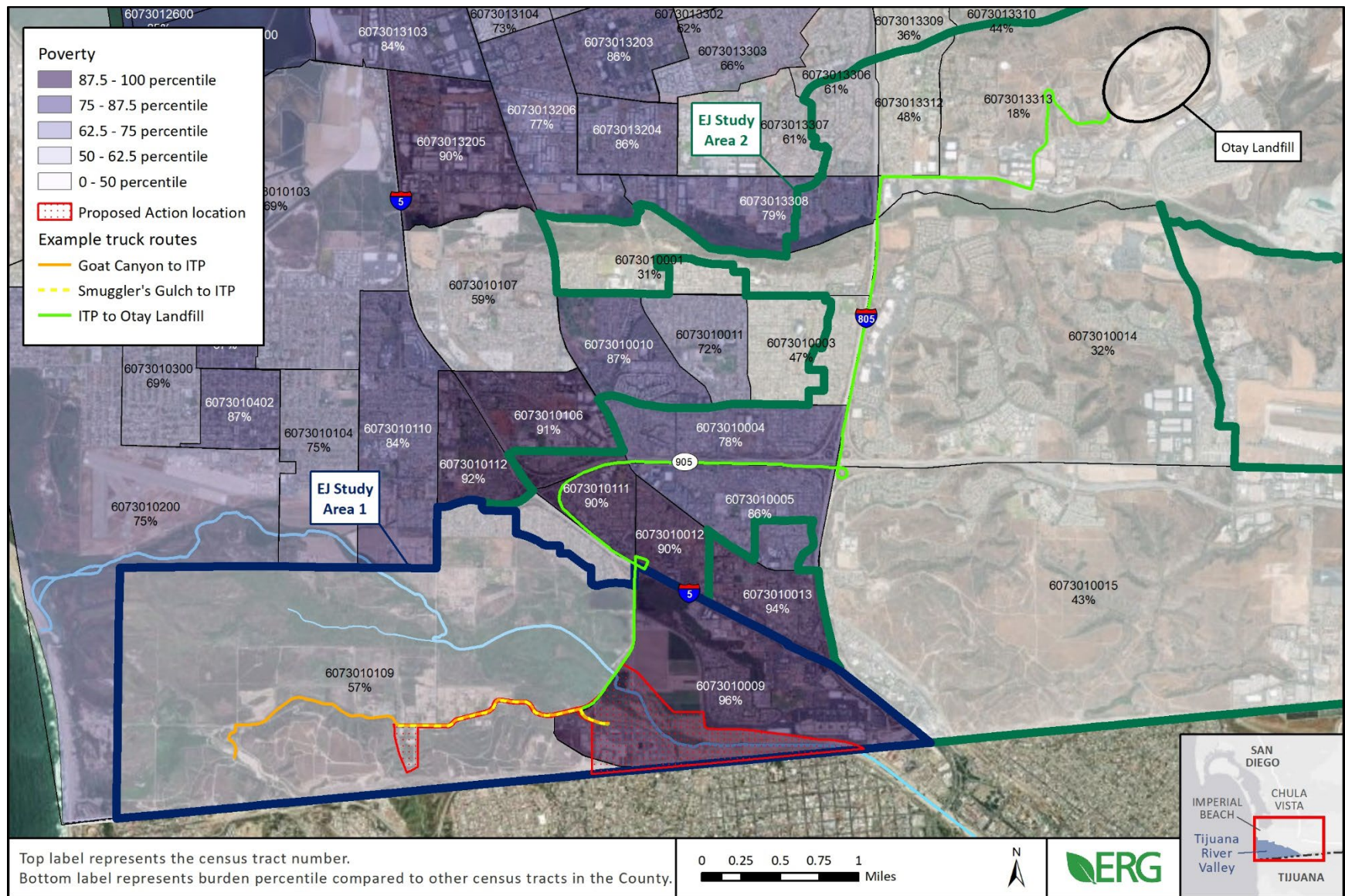


Figure 28. Low-Income Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

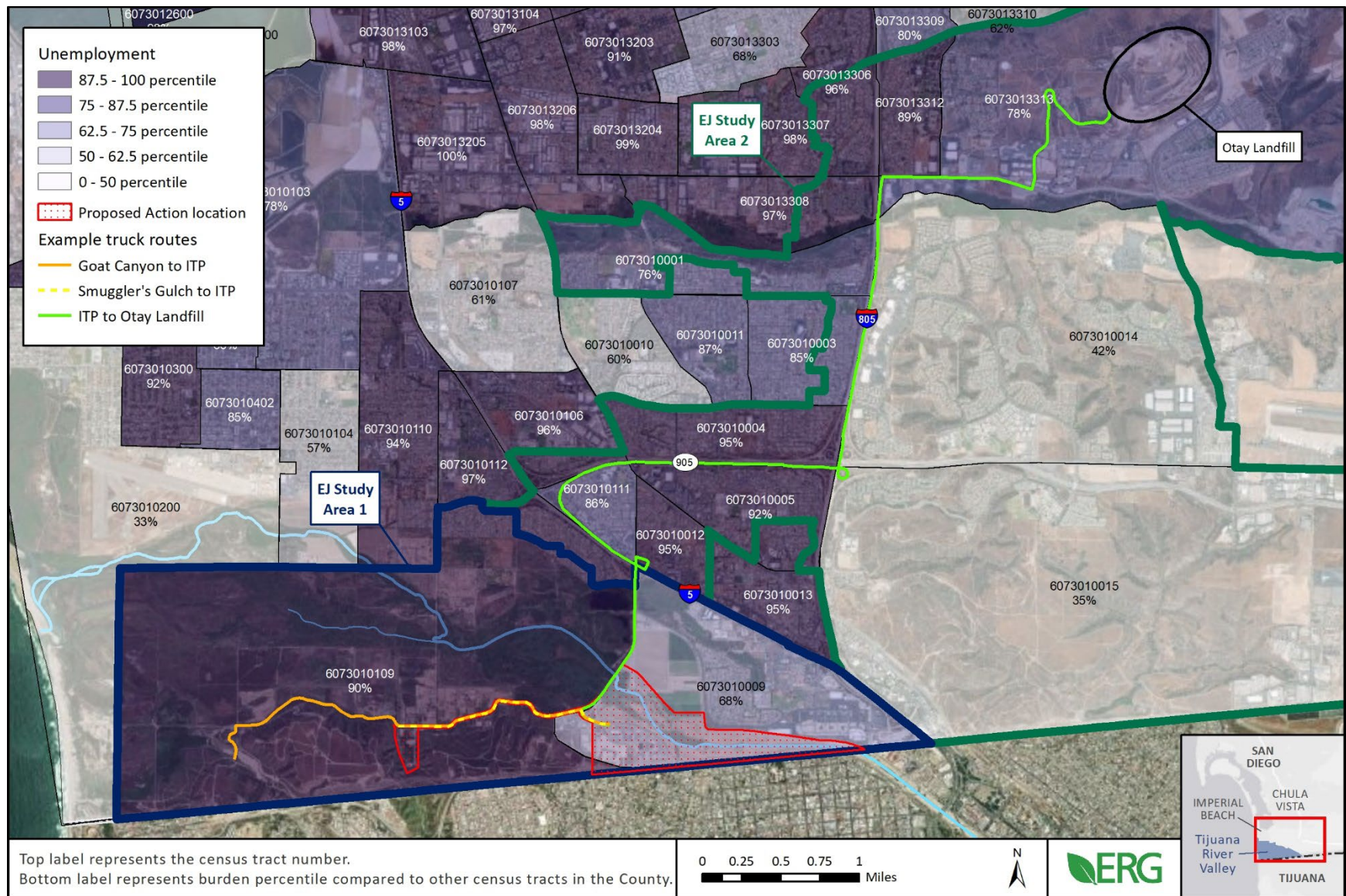


Figure 29. Unemployment Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

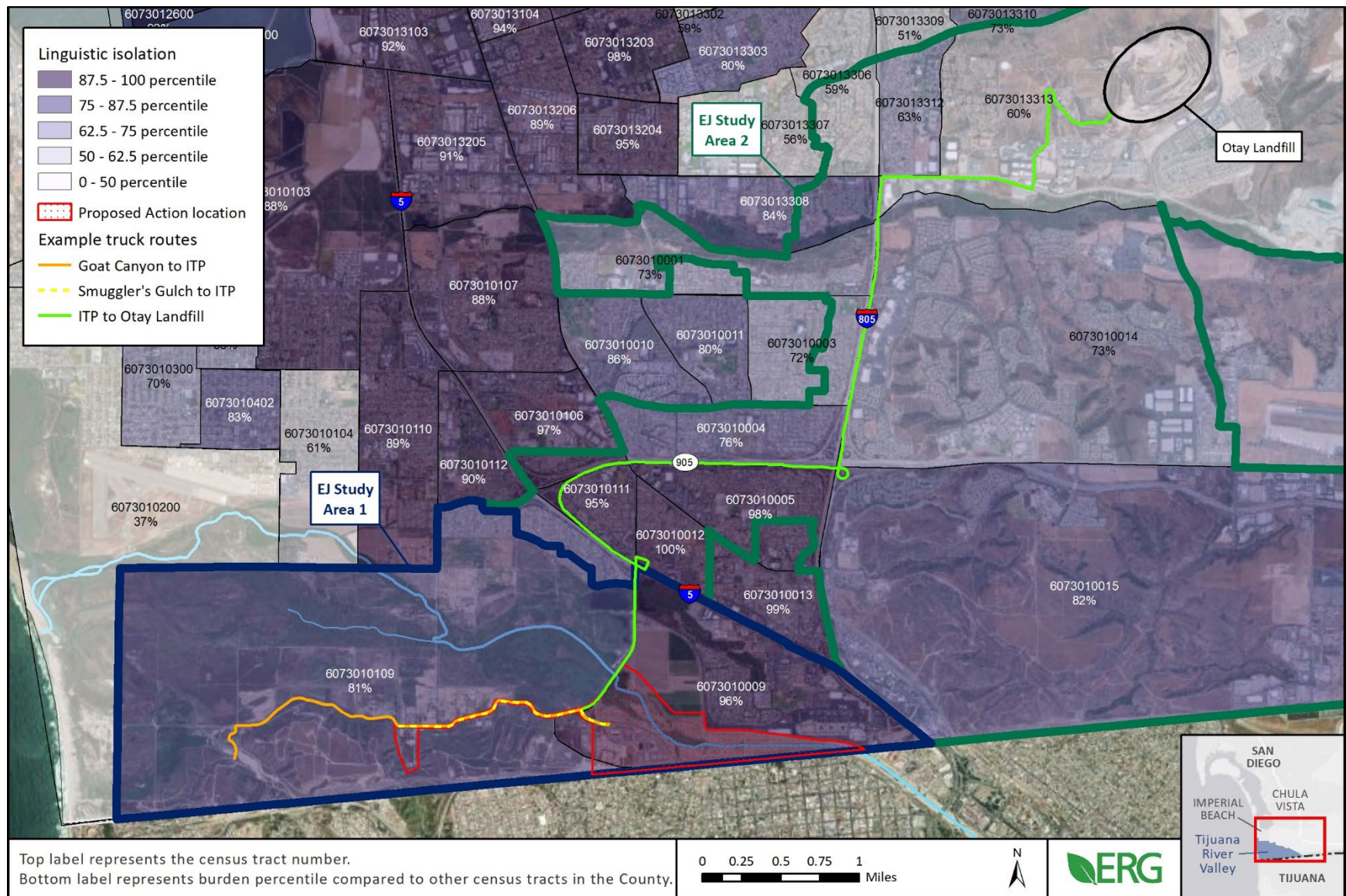
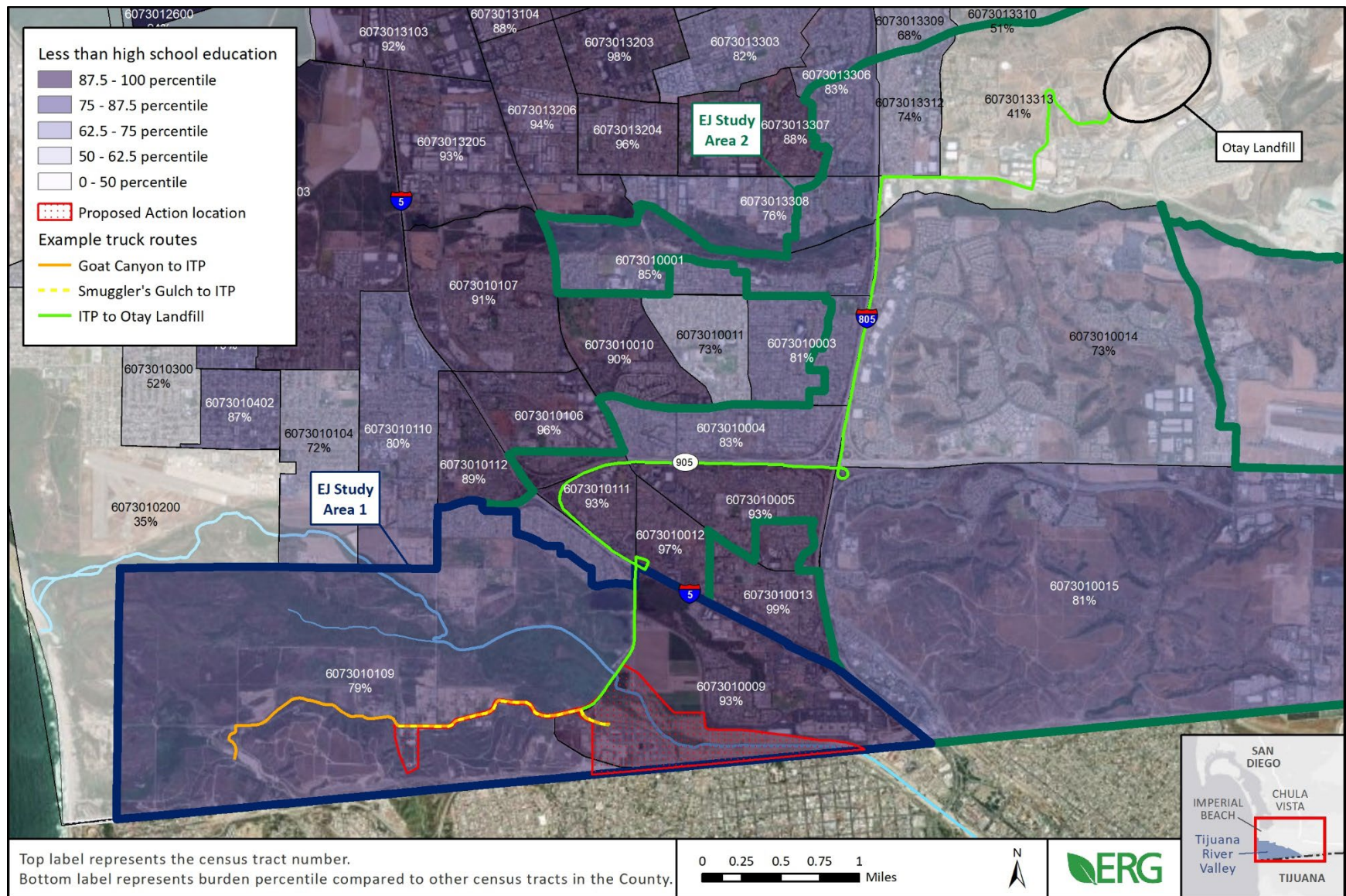


Figure 30. Linguistic Isolation Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data





**Figure 31. Less than High School Education Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data**

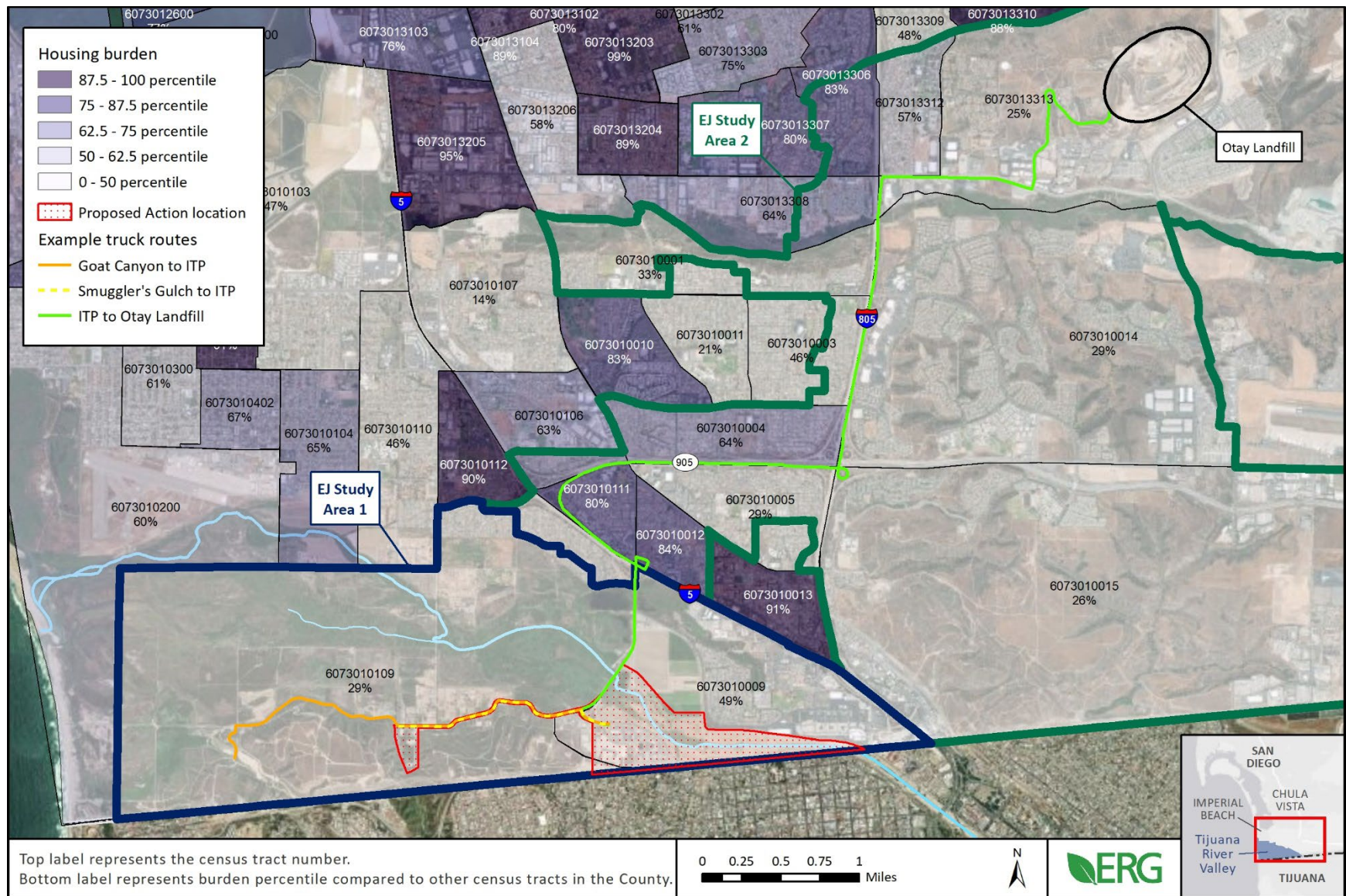


Figure 32. Housing Burden Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

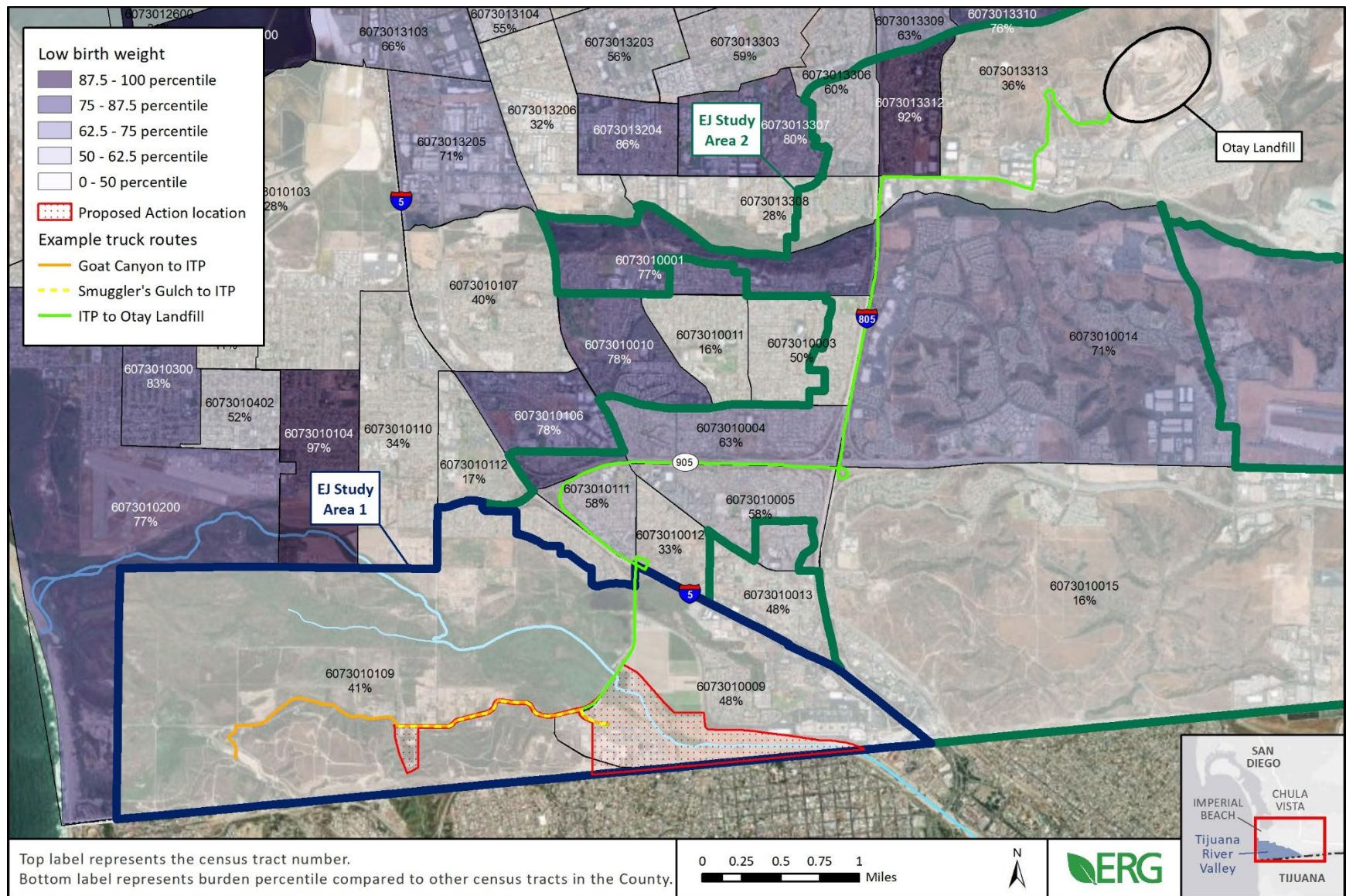


Figure 33. Low Birth Weight Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

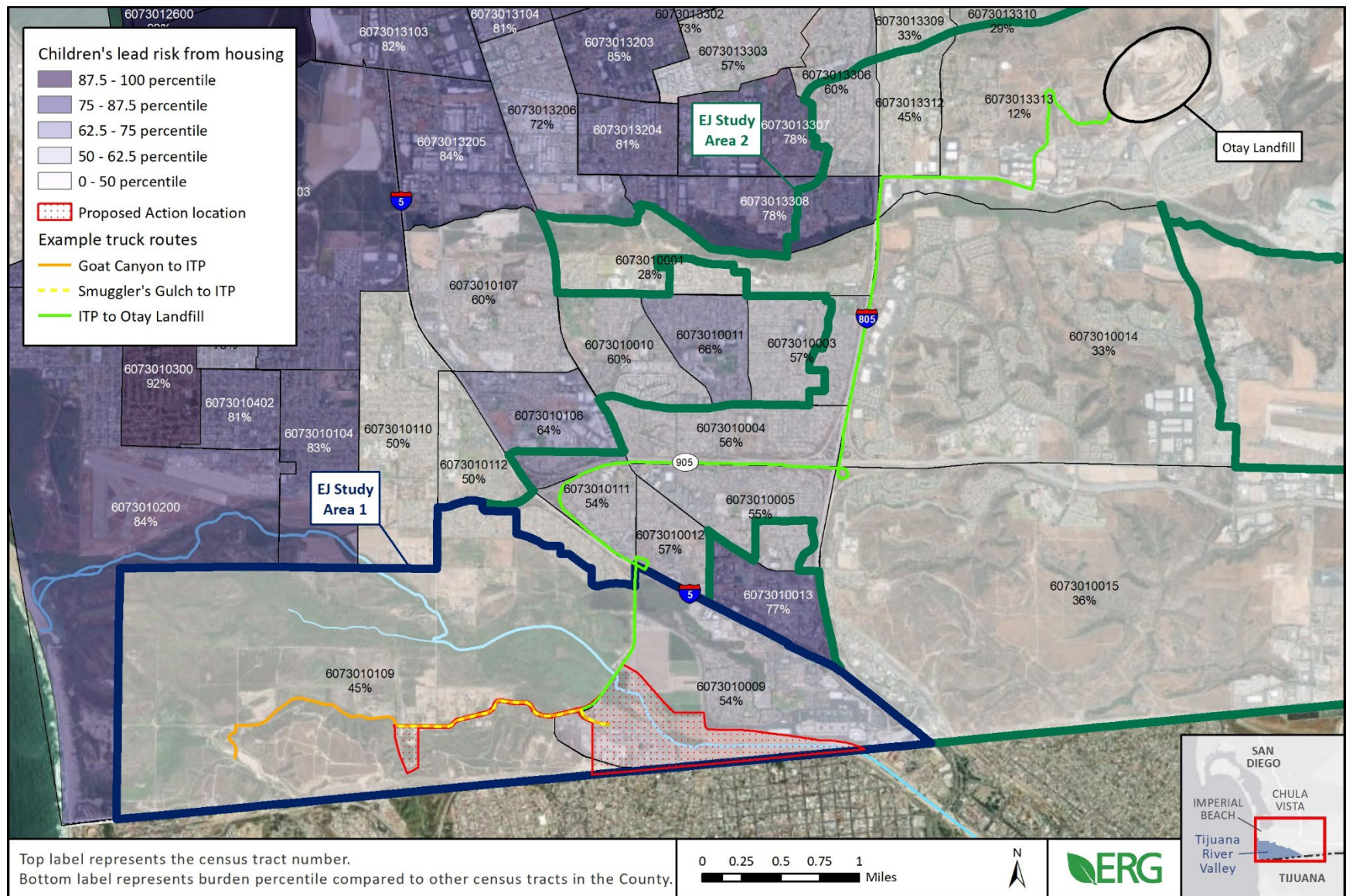


Figure 34. Children's Lead Risk from Housing Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

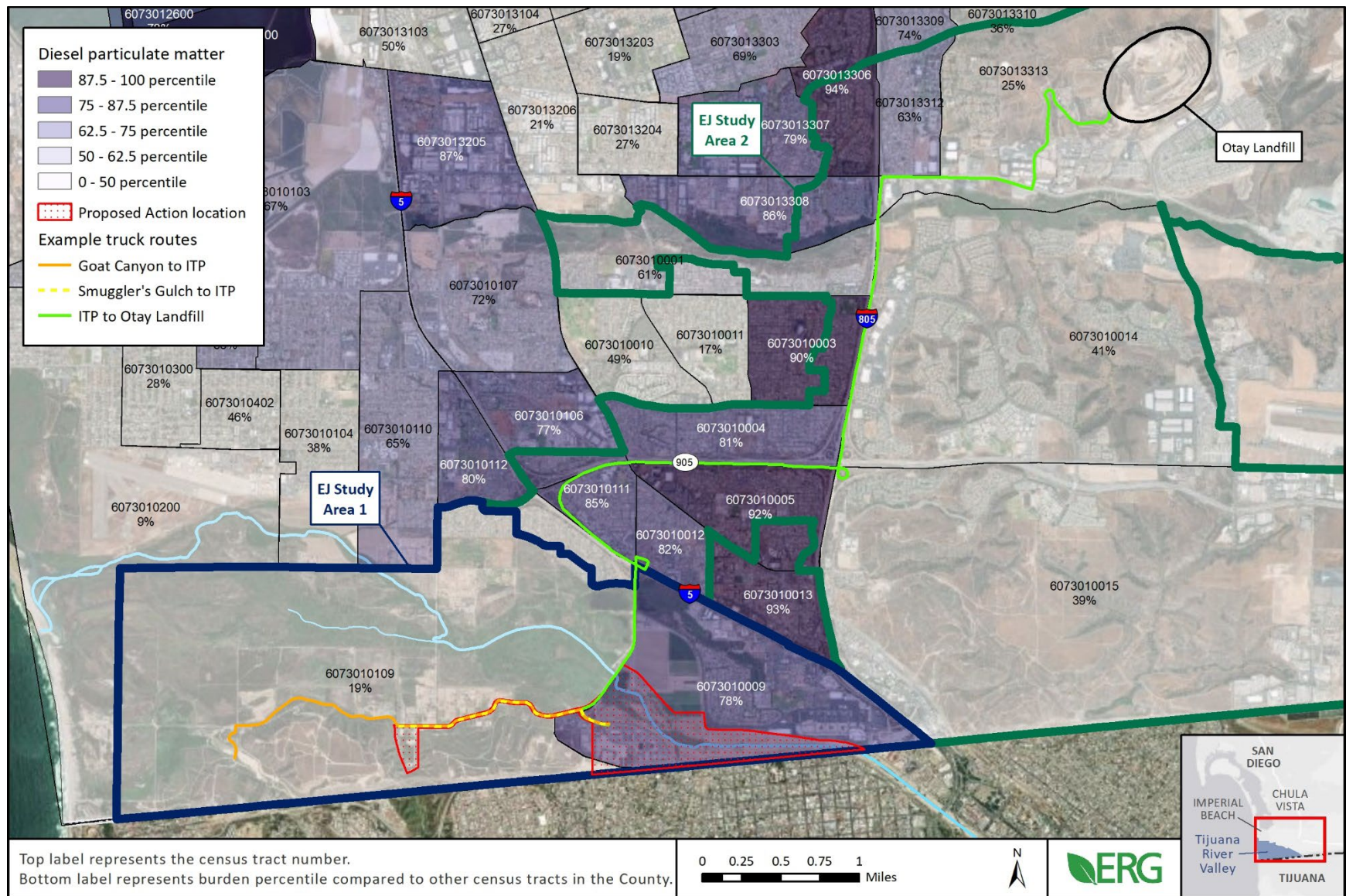


Figure 35. Diesel Particulate Matter Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

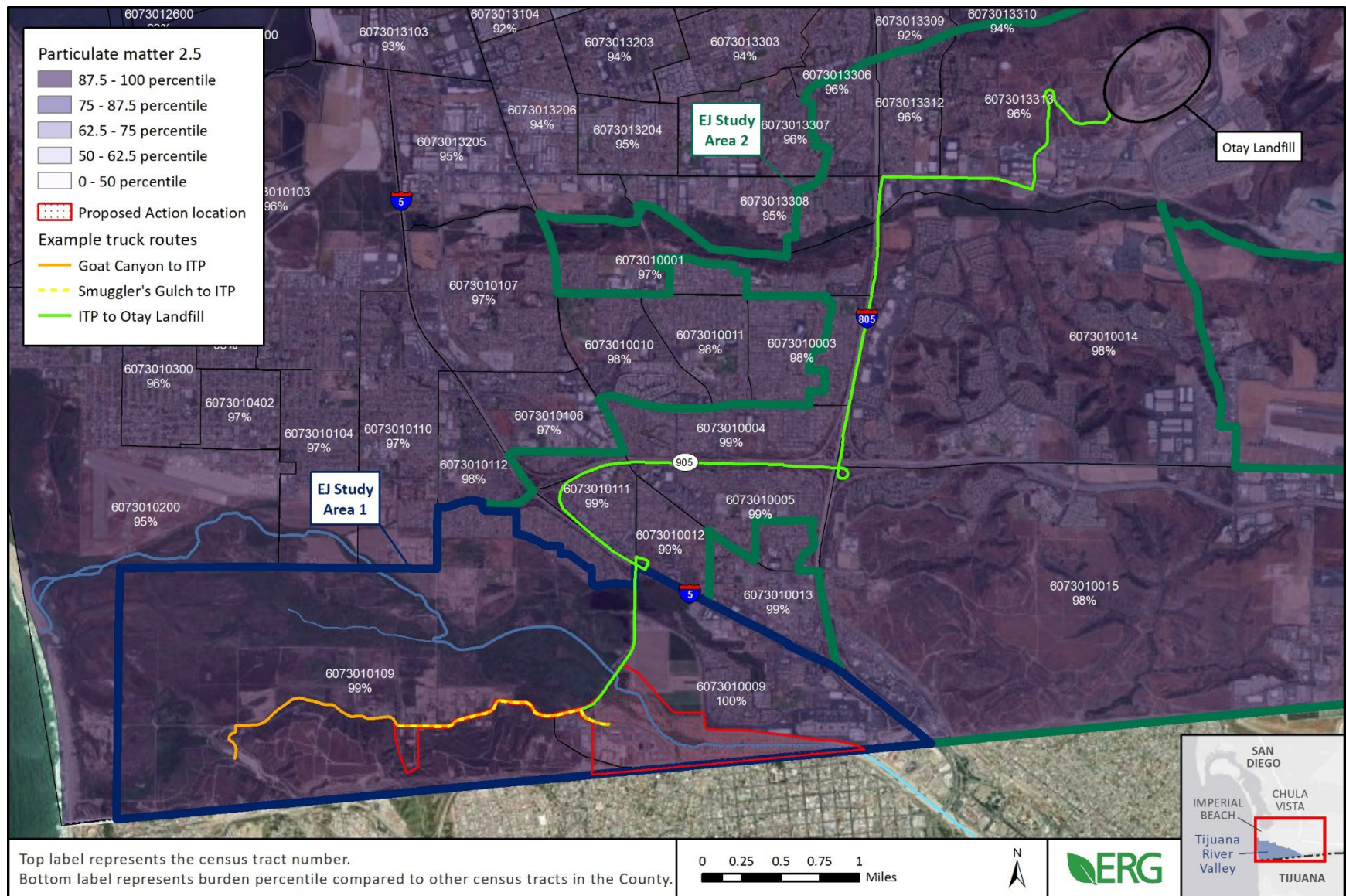


Figure 36. Fine Particulate Matter (PM<sub>2.5</sub>) Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

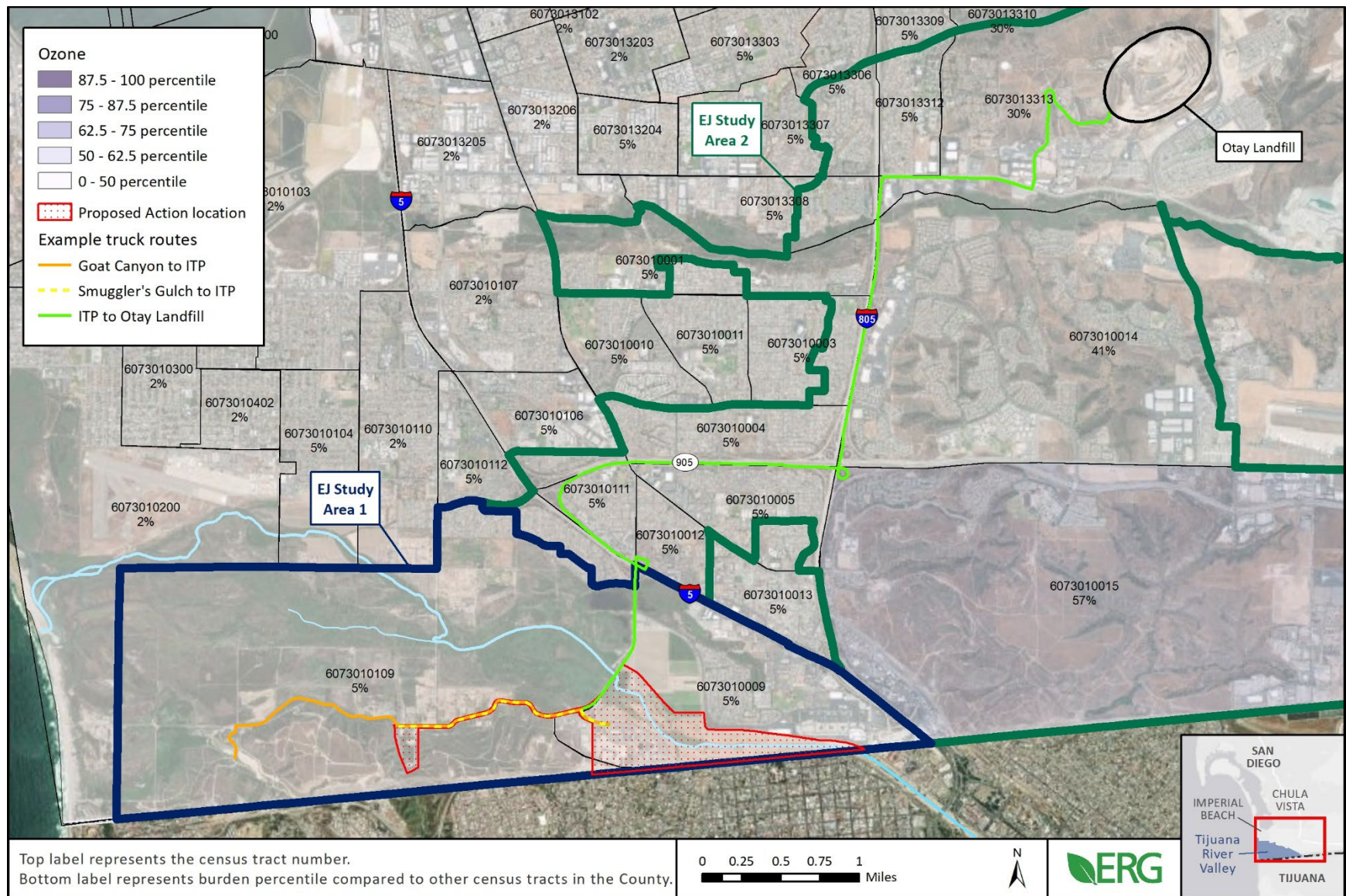
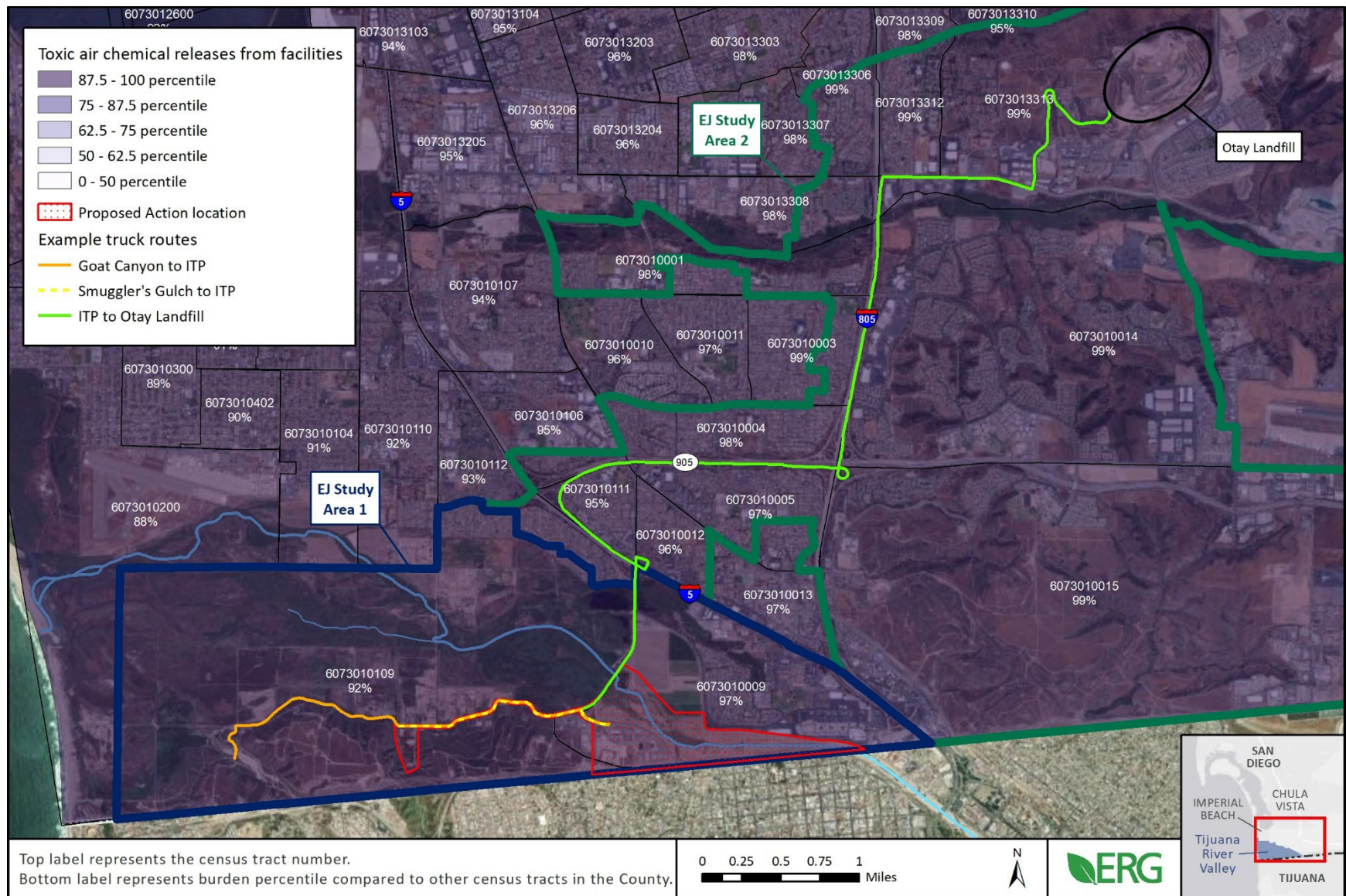


Figure 37. Ozone Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data



**Figure 38. Toxic Air Chemical Releases Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data**



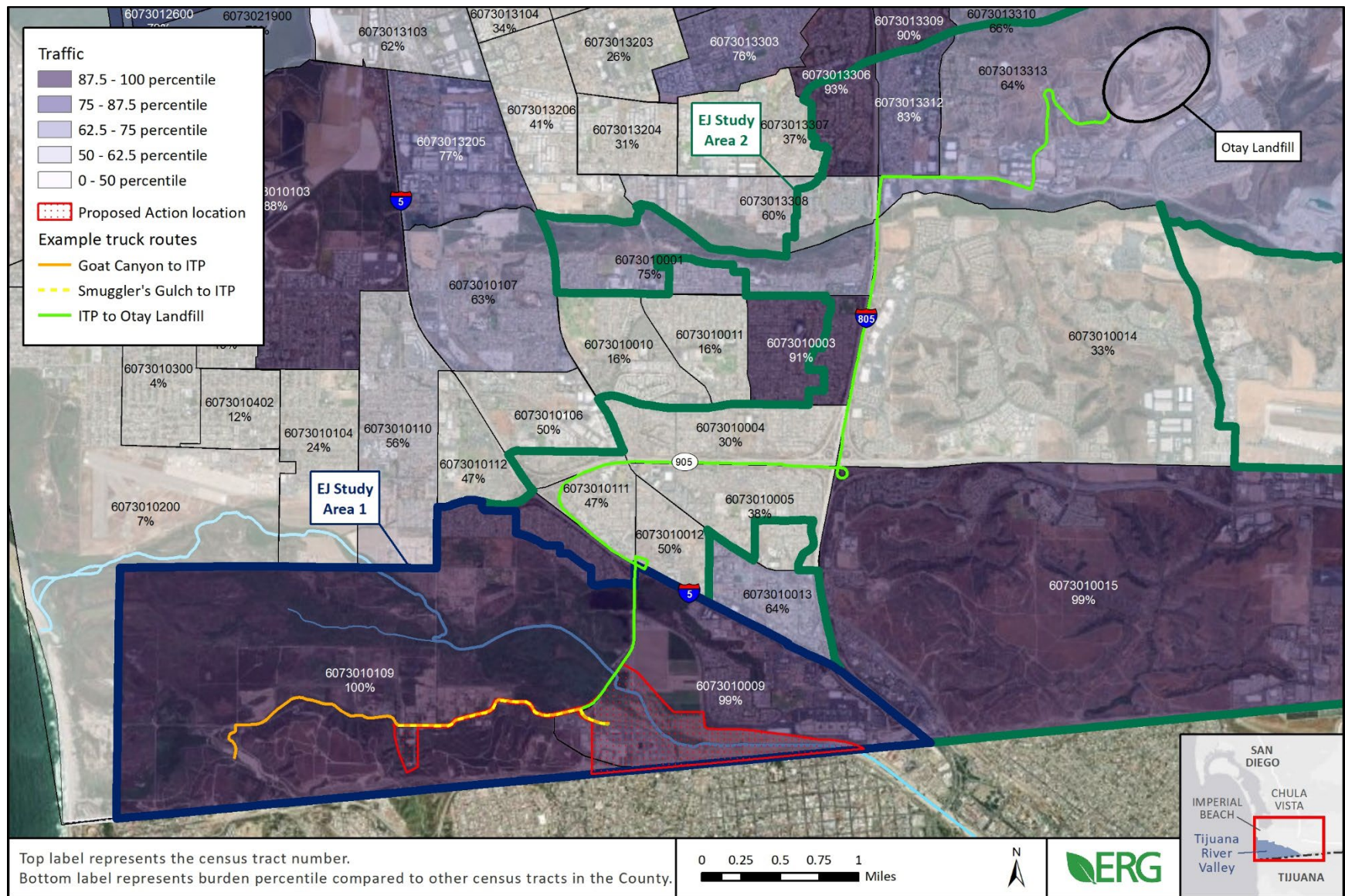


Figure 39. Traffic Impacts Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

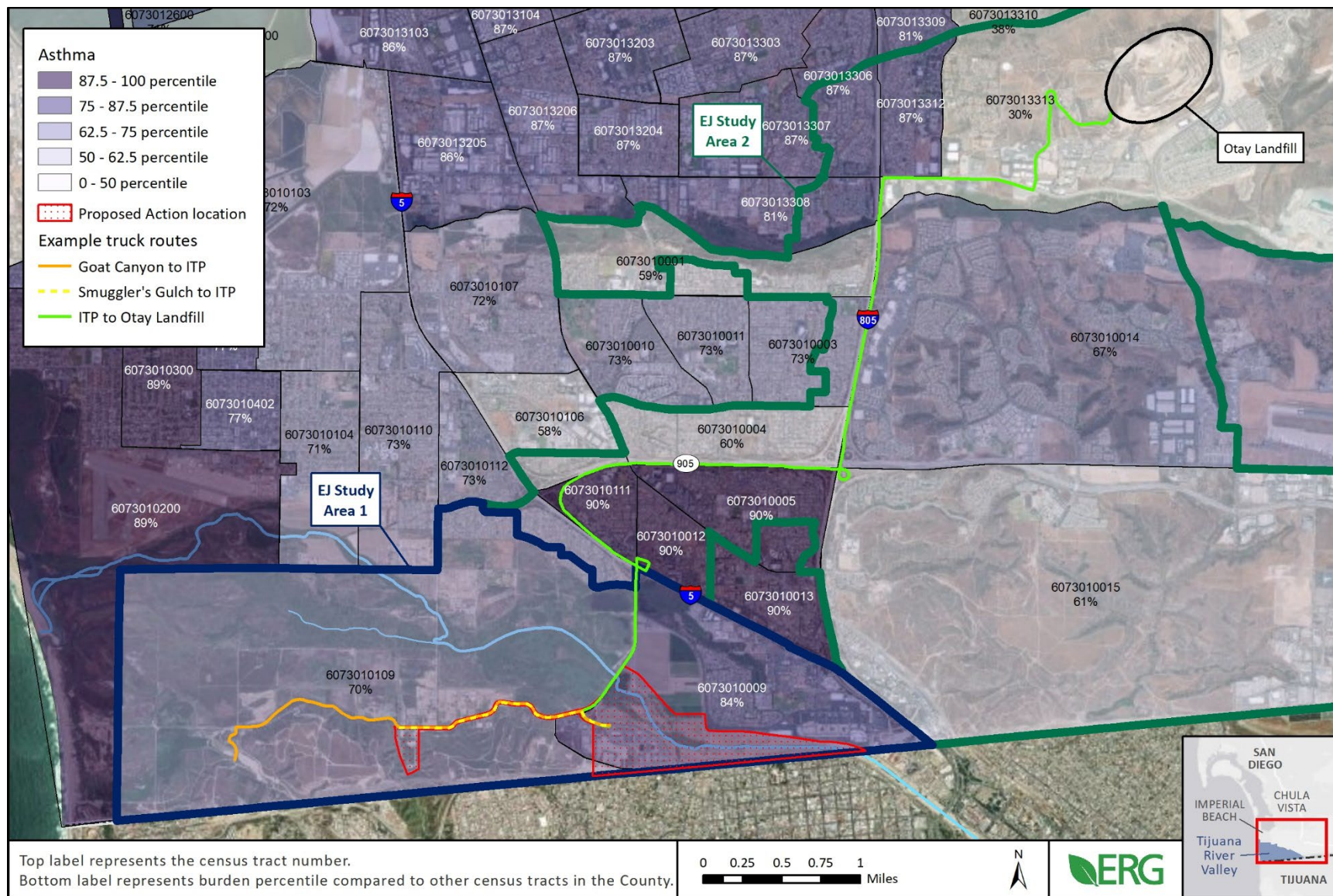


Figure 40. Asthma Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

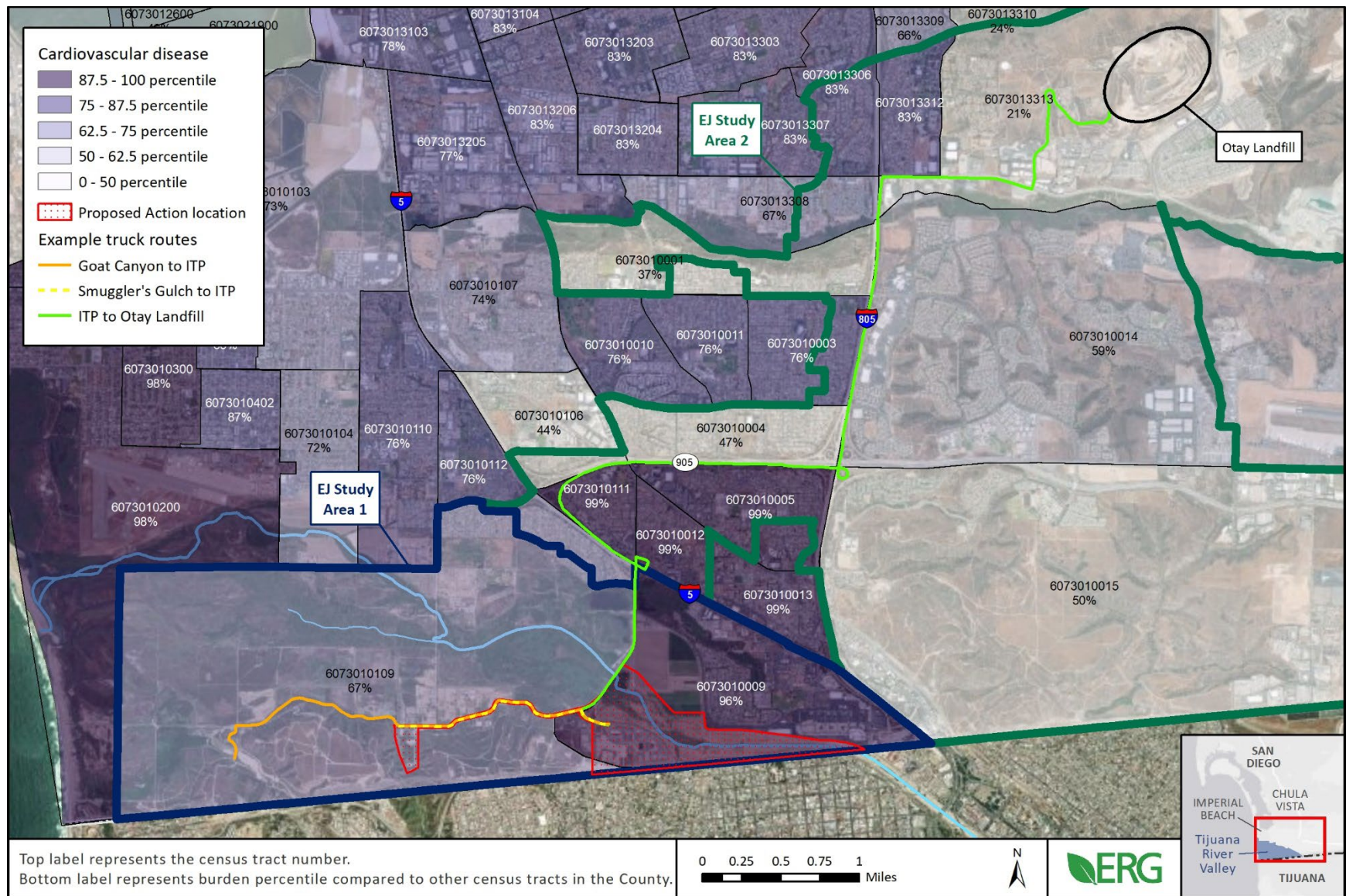


Figure 41. Cardiovascular Disease Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

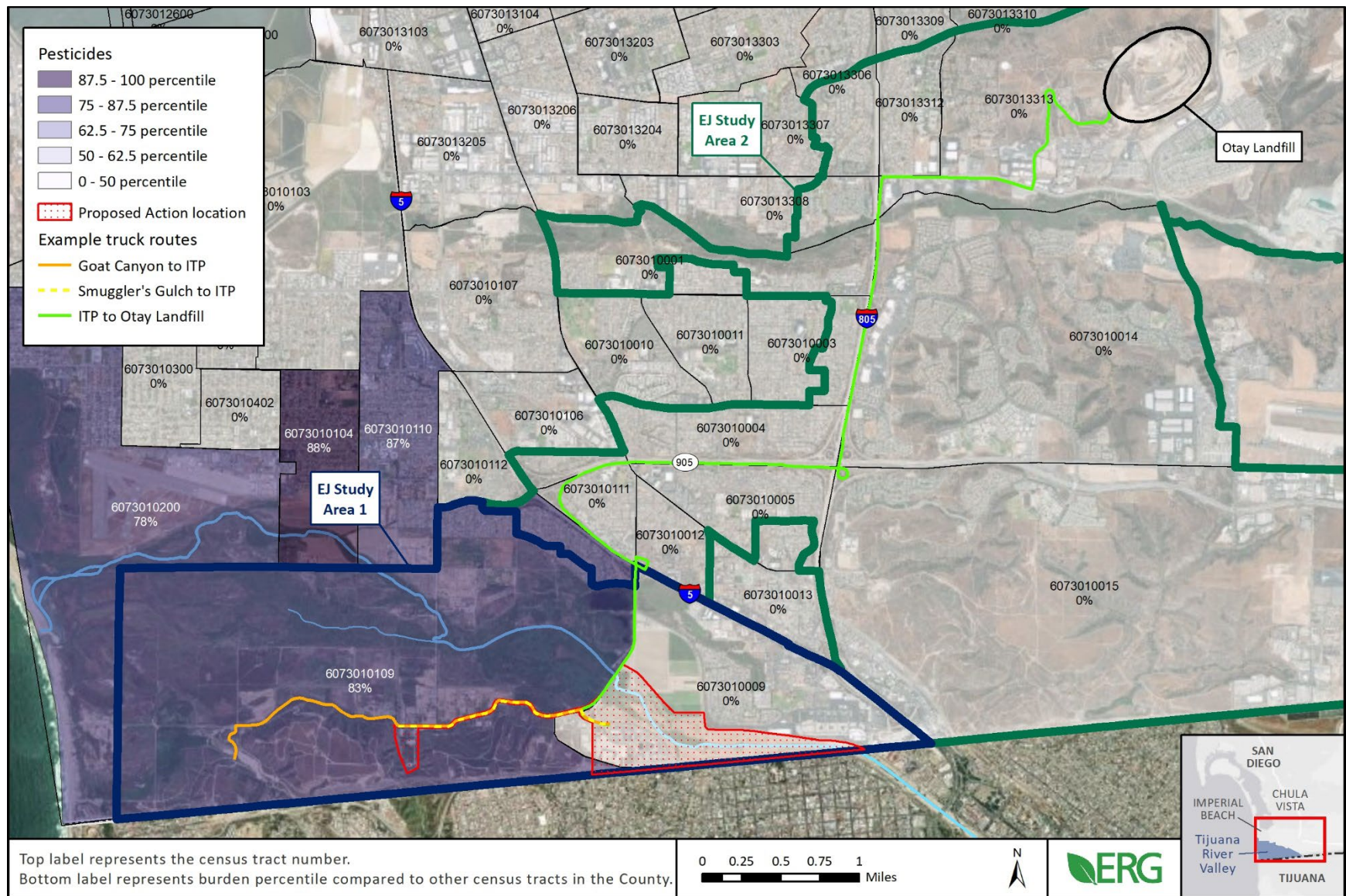


Figure 42. Pesticides Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

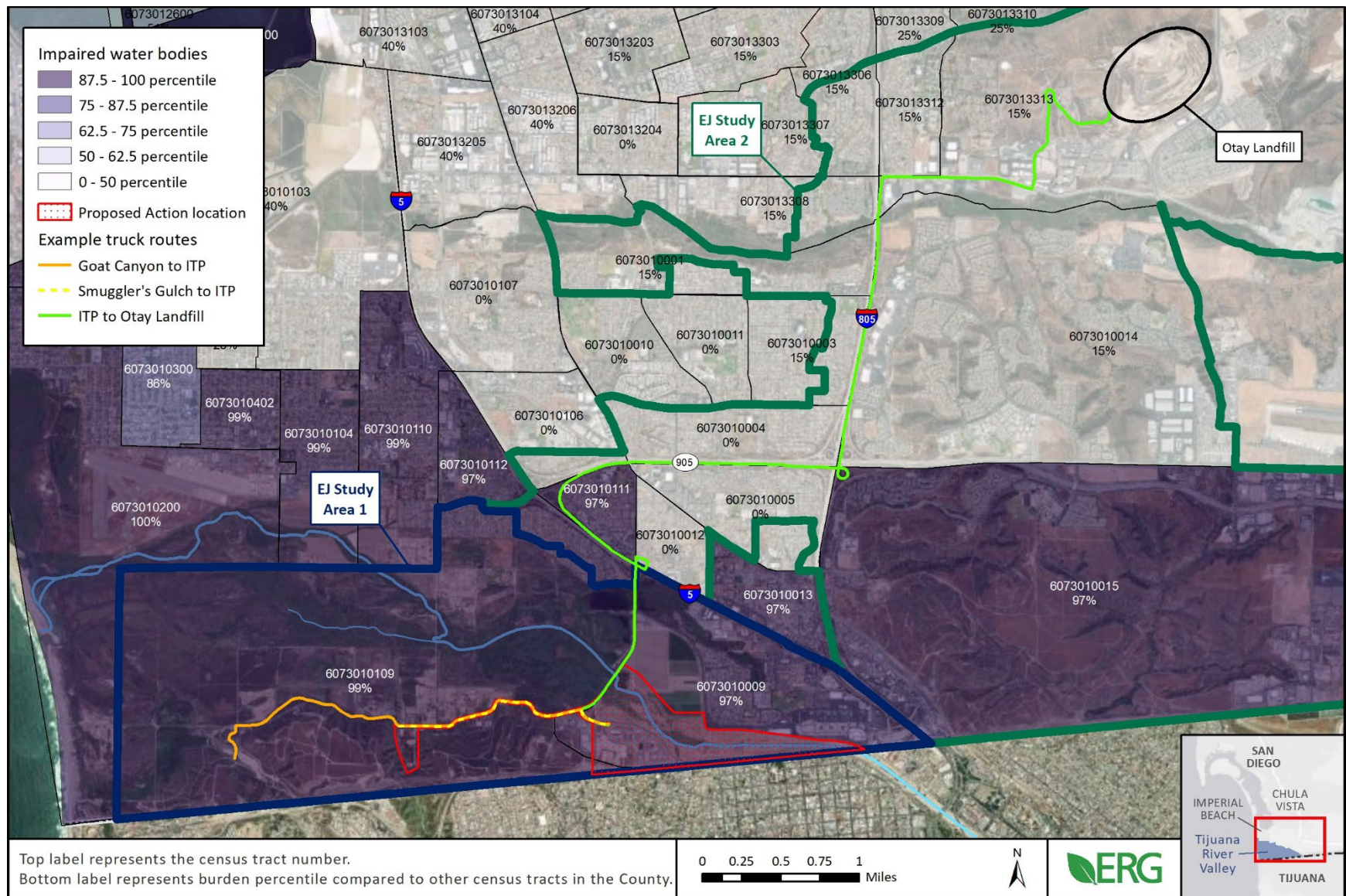


Figure 43. Impaired Water Bodies Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

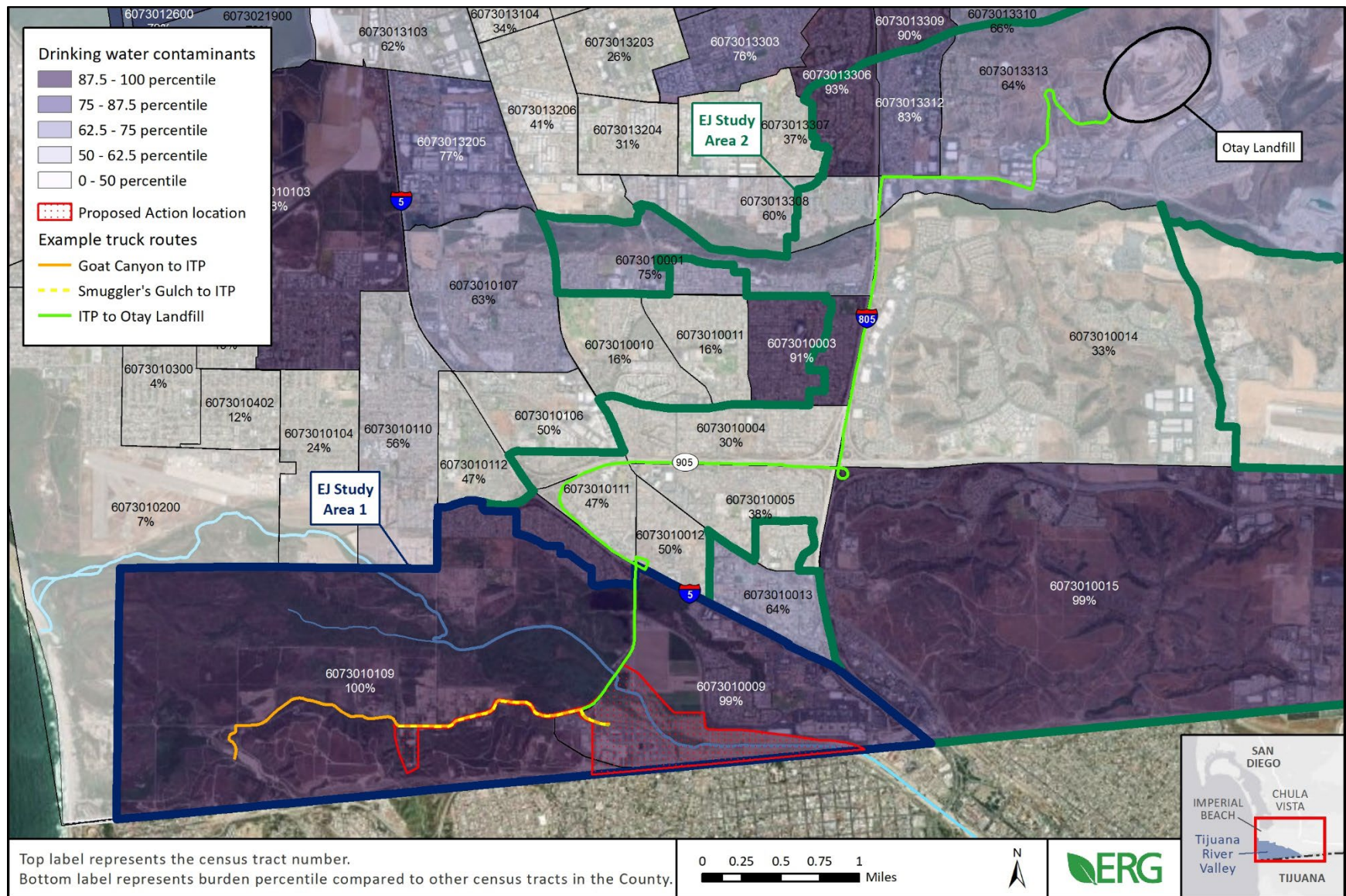


Figure 44. Drinking Water Contaminants Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

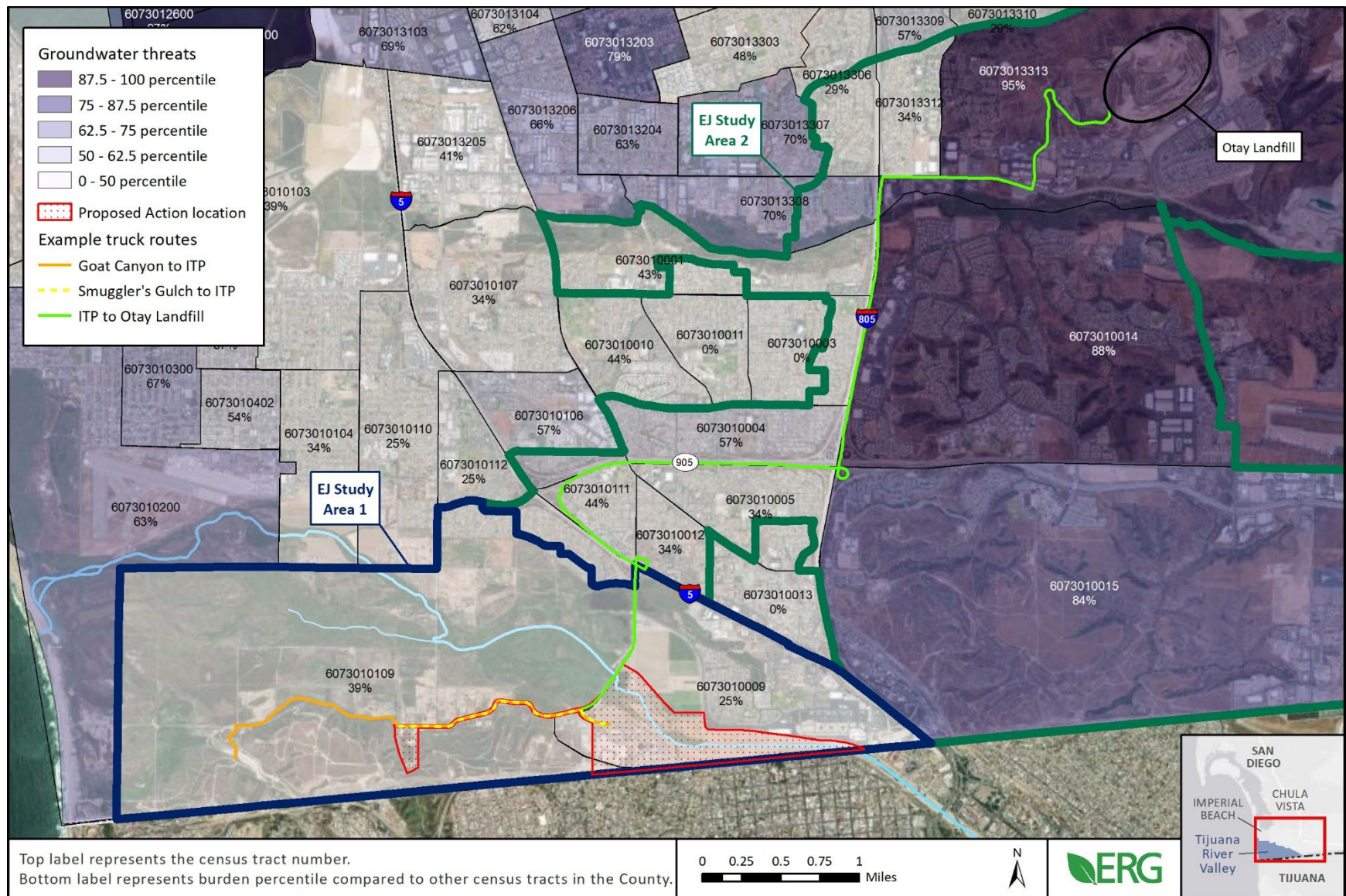


Figure 45. Groundwater Threats Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

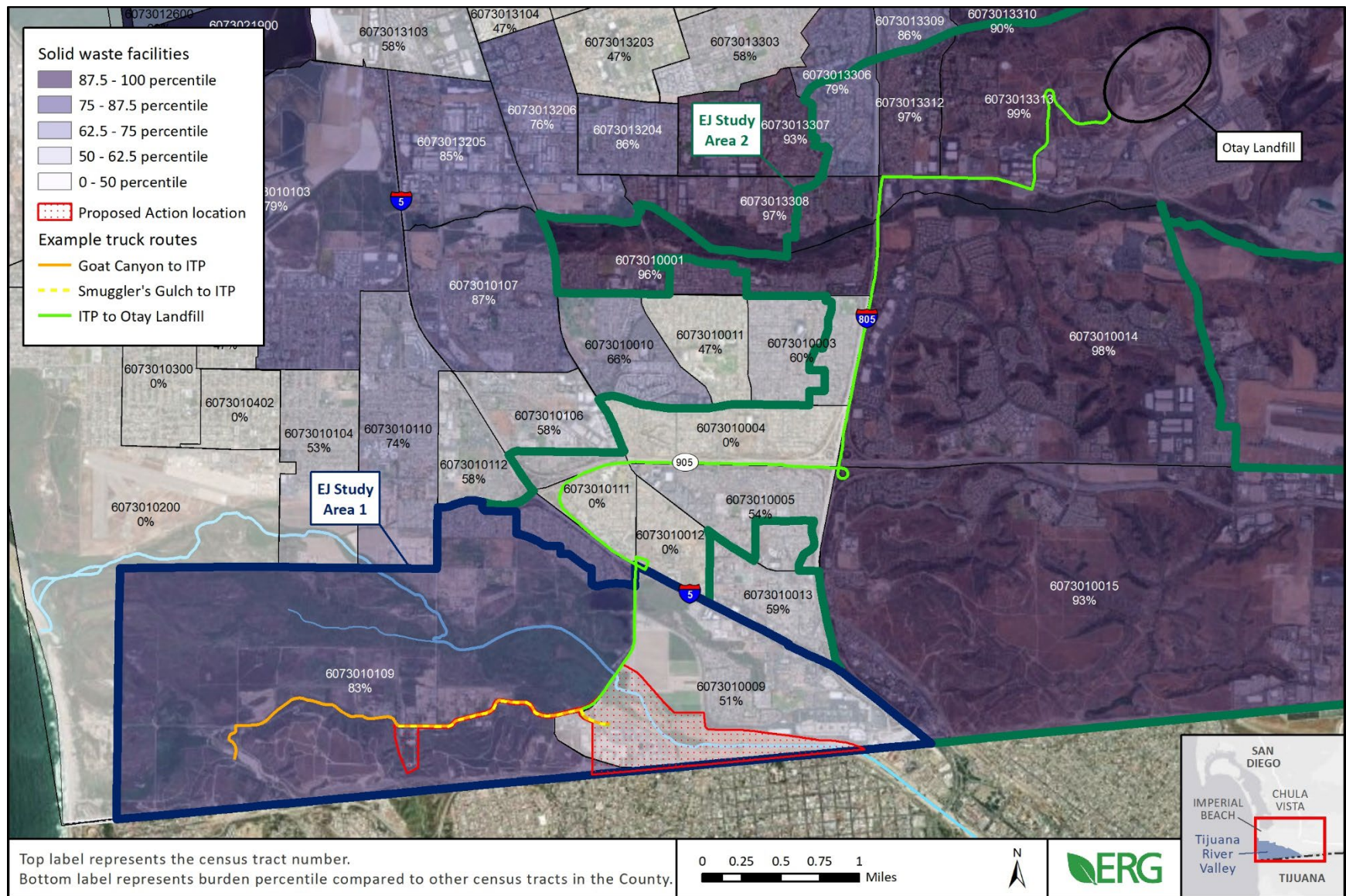


Figure 46. Solid Waste Facilities Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data



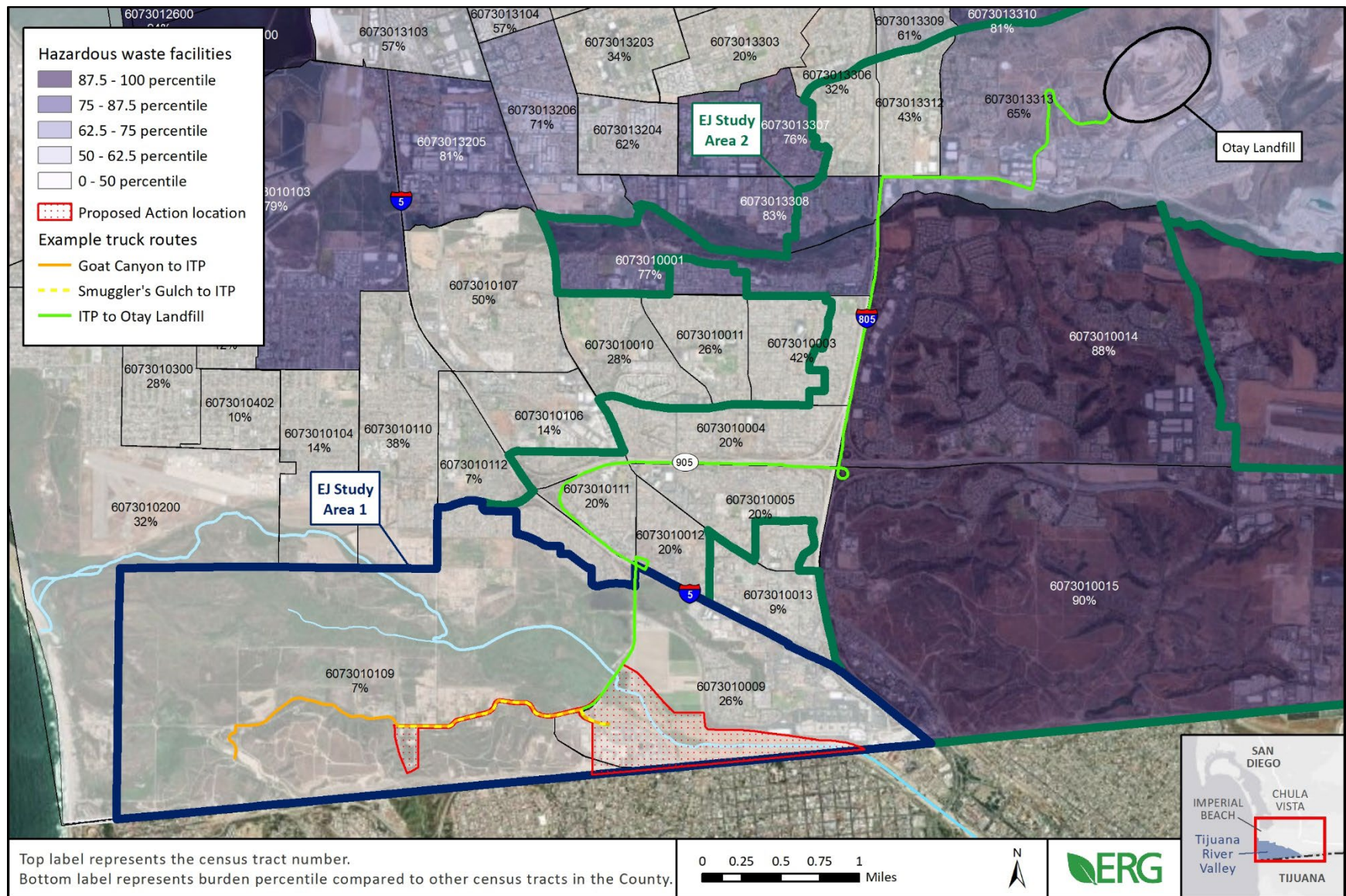


Figure 47. Hazardous Waste Facilities Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

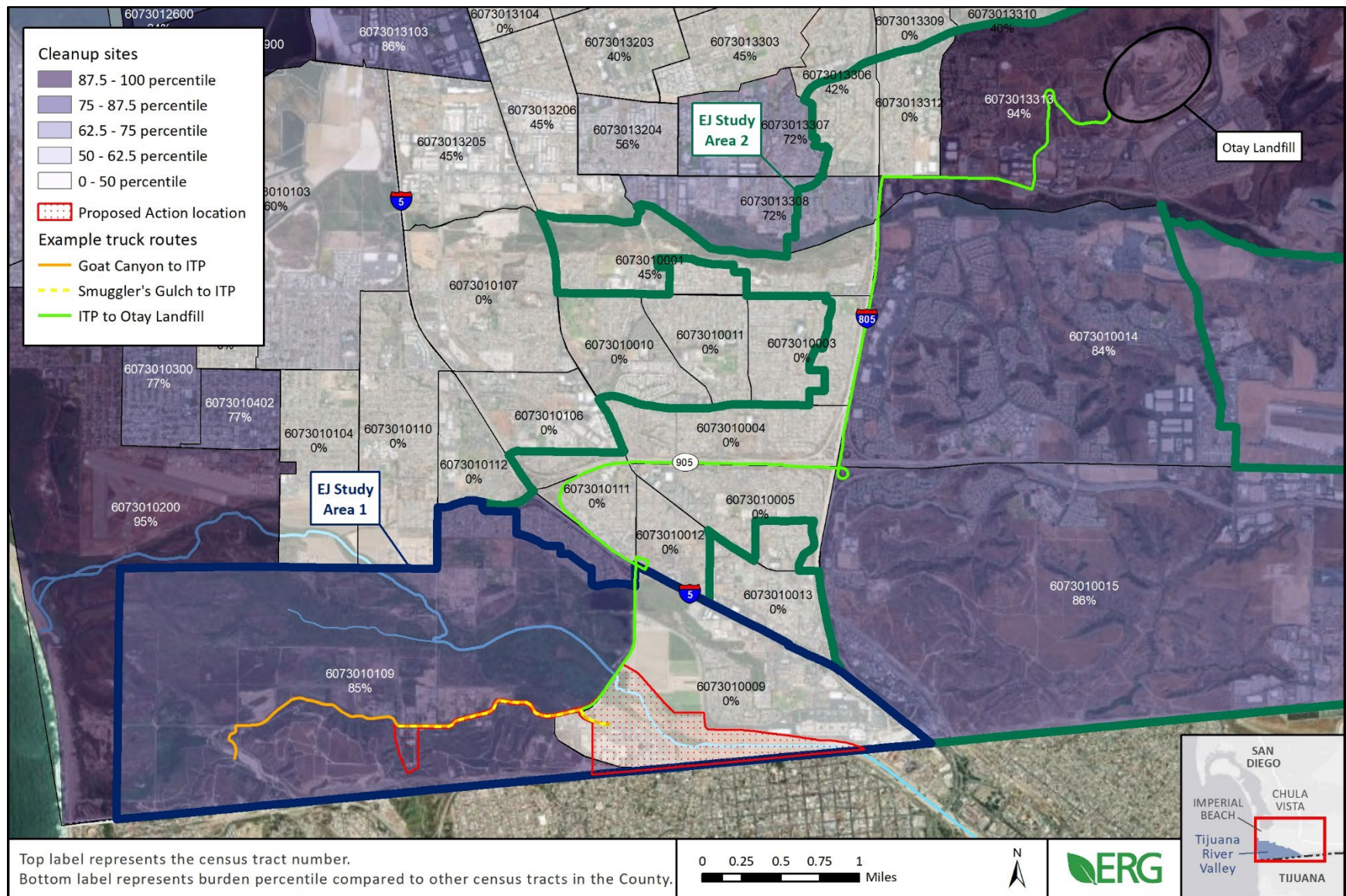


Figure 48. Cleanup Sites Percentile (County) for Census Tracts in EJ Study Area, Based on CalEnviroScreen 4.0 Data

**Table 2. Population Statistics for Communities in the EJ Study Area Based on CalEnviroScreen 4.0 Data**

Census Tract Number	Minority <sup>a</sup>		Low-Income			Unemployment		
	Percent of Population	County Percentile	Percent of Population	County Percentile	State Percentile	Percent of Population	County Percentile	State Percentile
<i>EJ Study Area 1</i>								
6073010009	98%	99 <sup>th</sup>	62%	96 <sup>th</sup>	93 <sup>rd</sup>	7%	68 <sup>th</sup>	70 <sup>th</sup>
6073010109 <sup>b</sup>	92%	93 <sup>rd</sup>	28%	57 <sup>th</sup>	50 <sup>th</sup>	11%	90 <sup>th</sup>	89 <sup>th</sup>
<i>EJ Study Area 2</i>								
6073010001	85%	83 <sup>rd</sup>	17%	31 <sup>st</sup>	28 <sup>th</sup>	8%	76 <sup>th</sup>	78 <sup>th</sup>
6073010003	91%	92 <sup>nd</sup>	24%	47 <sup>th</sup>	42 <sup>nd</sup>	10%	85 <sup>th</sup>	85 <sup>th</sup>
6073010004	95%	96 <sup>th</sup>	41%	78 <sup>th</sup>	71 <sup>st</sup>	13%	95 <sup>th</sup>	94 <sup>th</sup>
6073010005	97%	98 <sup>th</sup>	49%	86 <sup>th</sup>	81 <sup>st</sup>	12%	92 <sup>nd</sup>	92 <sup>nd</sup>
6073010012	99%	100 <sup>th</sup>	54%	90 <sup>th</sup>	86 <sup>th</sup>	13%	95 <sup>th</sup>	94 <sup>th</sup>
6073010014	82%	81 <sup>st</sup>	18%	32 <sup>nd</sup>	28 <sup>th</sup>	5%	42 <sup>nd</sup>	43 <sup>rd</sup>
6073010015	93%	95 <sup>th</sup>	22%	43 <sup>rd</sup>	38 <sup>th</sup>	4%	35 <sup>th</sup>	36 <sup>th</sup>
6073010106	93%	95 <sup>th</sup>	55%	91 <sup>st</sup>	87 <sup>th</sup>	14%	96 <sup>th</sup>	96 <sup>th</sup>
6073010111	94%	96 <sup>th</sup>	54%	90 <sup>th</sup>	86 <sup>th</sup>	10%	86 <sup>th</sup>	85 <sup>th</sup>
6073013306	90%	90 <sup>th</sup>	30%	61 <sup>st</sup>	54 <sup>th</sup>	14%	96 <sup>th</sup>	95 <sup>th</sup>
6073013308	92%	93 <sup>rd</sup>	42%	79 <sup>th</sup>	72 <sup>nd</sup>	15%	97 <sup>th</sup>	96 <sup>th</sup>
6073013312	87%	85 <sup>th</sup>	24%	48 <sup>th</sup>	43 <sup>rd</sup>	11%	89 <sup>th</sup>	88 <sup>th</sup>
6073013313	85%	83 <sup>rd</sup>	14%	18 <sup>th</sup>	19 <sup>th</sup>	9%	78 <sup>th</sup>	79 <sup>th</sup>

Source: (CalEPA, 2021)

a – The CalEnviroScreen 4.0 dataset did not include readily available state percentiles for minority populations. State percentiles for tracts are therefore not included in this table.

b – A portion of Census Tract 6073010109 also falls within the boundaries of EJ Study Area 2.

**Table 2. Population Statistics for Communities in the EJ Study Area Based on CalEnviroScreen 4.0 Data (Continued)**

Census Tract Number	Linguistic Isolation			Less than High School Education			Housing Burden			Low Birth Weight			Children's Lead Risk from Housing		
	Percent of Population	County Percentile	State Percentile	Percent of Population	County Percentile	State Percentile	Percent of Population	County Percentile	State Percentile	Value (% of births)	County Percentile	State Percentile	Value	County Percentile	State Percentile
<i>EJ Study Area 1</i>															
6073010009	23%	96 <sup>th</sup>	90 <sup>th</sup>	35%	93 <sup>rd</sup>	85 <sup>th</sup>	17%	49 <sup>th</sup>	49 <sup>th</sup>	4.61%	48 <sup>th</sup>	41 <sup>st</sup>	43.24	54 <sup>th</sup>	42 <sup>nd</sup>
6073010109 <sup>a</sup>	12%	81 <sup>st</sup>	69 <sup>th</sup>	23%	79 <sup>th</sup>	69 <sup>th</sup>	13%	29 <sup>th</sup>	29 <sup>th</sup>	4.36%	41 <sup>st</sup>	35 <sup>th</sup>	35.95	45 <sup>th</sup>	32 <sup>nd</sup>
<i>EJ Study Area 2</i>															
6073010001	10%	73 <sup>rd</sup>	60 <sup>th</sup>	28%	85 <sup>th</sup>	77 <sup>th</sup>	14%	33 <sup>rd</sup>	33 <sup>rd</sup>	5.67%	77 <sup>th</sup>	68 <sup>th</sup>	26.21	28 <sup>th</sup>	19 <sup>th</sup>
6073010003	9%	72 <sup>nd</sup>	57 <sup>th</sup>	23%	81 <sup>st</sup>	70 <sup>th</sup>	16%	46 <sup>th</sup>	45 <sup>th</sup>	4.7%	50 <sup>th</sup>	44 <sup>th</sup>	44.44	57 <sup>th</sup>	44 <sup>th</sup>
6073010004	10%	76 <sup>th</sup>	63 <sup>rd</sup>	25%	83 <sup>rd</sup>	74 <sup>th</sup>	20%	64 <sup>th</sup>	62 <sup>nd</sup>	5.11%	63 <sup>rd</sup>	55 <sup>th</sup>	43.82	56 <sup>th</sup>	43 <sup>rd</sup>
6073010005	27%	98 <sup>th</sup>	94 <sup>th</sup>	37%	93 <sup>rd</sup>	87 <sup>th</sup>	13%	29 <sup>th</sup>	29 <sup>th</sup>	4.91%	58 <sup>th</sup>	50 <sup>th</sup>	43.69	55 <sup>th</sup>	43 <sup>rd</sup>
6073010012	35%	100 <sup>th</sup>	98 <sup>th</sup>	43%	97 <sup>th</sup>	92 <sup>nd</sup>	25%	84 <sup>th</sup>	81 <sup>st</sup>	4.1%	33 <sup>rd</sup>	29 <sup>th</sup>	44.12	57 <sup>th</sup>	43 <sup>rd</sup>
6073010014	9%	73 <sup>rd</sup>	59 <sup>th</sup>	19%	73 <sup>rd</sup>	63 <sup>rd</sup>	13%	29 <sup>th</sup>	29 <sup>th</sup>	5.45%	71 <sup>st</sup>	63 <sup>rd</sup>	29.42	33 <sup>rd</sup>	23 <sup>rd</sup>
6073010015	13%	82 <sup>nd</sup>	71 <sup>st</sup>	23%	81 <sup>st</sup>	70 <sup>th</sup>	13%	26 <sup>th</sup>	27 <sup>th</sup>	3.39%	16 <sup>th</sup>	14 <sup>th</sup>	30.64	36 <sup>th</sup>	25 <sup>th</sup>
6073010106	25%	97 <sup>th</sup>	93 <sup>rd</sup>	40%	96 <sup>th</sup>	90 <sup>th</sup>	20%	63 <sup>rd</sup>	62 <sup>nd</sup>	5.78%	78 <sup>th</sup>	71 <sup>st</sup>	48.07	64 <sup>th</sup>	49 <sup>th</sup>
6073010111	22%	95 <sup>th</sup>	89 <sup>th</sup>	36%	93 <sup>rd</sup>	86 <sup>th</sup>	24%	80 <sup>th</sup>	77 <sup>th</sup>	4.92%	58 <sup>th</sup>	50 <sup>th</sup>	43.24	54 <sup>th</sup>	42 <sup>nd</sup>
6073013306	6%	59 <sup>th</sup>	41 <sup>st</sup>	25%	83 <sup>rd</sup>	73 <sup>rd</sup>	25%	83 <sup>rd</sup>	80 <sup>th</sup>	4.98%	60 <sup>th</sup>	52 <sup>nd</sup>	45.85	60 <sup>th</sup>	46 <sup>th</sup>
6073013308	14%	84 <sup>th</sup>	74 <sup>th</sup>	21%	76 <sup>th</sup>	66 <sup>th</sup>	20%	64 <sup>th</sup>	62 <sup>nd</sup>	3.9%	28 <sup>th</sup>	24 <sup>th</sup>	57.77	78 <sup>th</sup>	63 <sup>rd</sup>
6073013312	6%	63 <sup>rd</sup>	45 <sup>th</sup>	20%	74 <sup>th</sup>	64 <sup>th</sup>	18%	57 <sup>th</sup>	56 <sup>th</sup>	6.73%	92 <sup>nd</sup>	87 <sup>th</sup>	35.76	45 <sup>th</sup>	31 <sup>st</sup>
6073013313	6%	60 <sup>th</sup>	42 <sup>nd</sup>	8%	41 <sup>st</sup>	32 <sup>nd</sup>	13%	25 <sup>th</sup>	26 <sup>th</sup>	4.22%	36 <sup>th</sup>	32 <sup>nd</sup>	16.09	12 <sup>th</sup>	9 <sup>th</sup>

Source: (CalEPA, 2021)

a – A portion of Census Tract 6073010109 also falls within the boundaries of EJ Study Area 2.

**Table 2. Population Statistics for Communities in the EJ Study Area Based on CalEnviroScreen 4.0 Data (Continued)**

Census Tract Number	Diesel PM			Fine Particulate Matter (PM <sub>2.5</sub> )			Ozone			Air Toxic Releases from Facilities			Traffic Impacts		
	Value (tons/year)	County Percentile	State Percentile	Value (µg/m <sup>3</sup> )	County Percentile	State Percentile	Value (ppm)	County Percentile	State Percentile	Value	County Percentile	State Percentile	Value (traffic volume/amount of roadway)	County Percentile	State Percentile
<i>EJ Study Area 1</i>															
6073010009	0.301	78 <sup>th</sup>	77 <sup>th</sup>	15.06	100 <sup>th</sup>	99 <sup>th</sup>	0.043	5 <sup>th</sup>	30 <sup>th</sup>	1106.23	97 <sup>th</sup>	66 <sup>th</sup>	11371	99 <sup>th</sup>	100 <sup>th</sup>
6073010109 <sup>a</sup>	0.058	19 <sup>th</sup>	21 <sup>st</sup>	13.06	99 <sup>th</sup>	94 <sup>th</sup>	0.043	5 <sup>th</sup>	30 <sup>th</sup>	796.64	92 <sup>nd</sup>	60 <sup>th</sup>	45752	100 <sup>th</sup>	100 <sup>th</sup>
<i>EJ Study Area 2</i>															
6073010001	0.187	61 <sup>st</sup>	60 <sup>th</sup>	12.11	97 <sup>th</sup>	85 <sup>th</sup>	0.043	5 <sup>th</sup>	30 <sup>th</sup>	1190.70	98 <sup>th</sup>	68 <sup>th</sup>	1233	75 <sup>th</sup>	70 <sup>th</sup>
6073010003	0.445	90 <sup>th</sup>	87 <sup>th</sup>	12.85	98 <sup>th</sup>	93 <sup>rd</sup>	0.043	5 <sup>th</sup>	30 <sup>th</sup>	1312.63	99 <sup>th</sup>	70 <sup>th</sup>	1763	91 <sup>st</sup>	83 <sup>rd</sup>
6073010004	0.328	81 <sup>st</sup>	79 <sup>th</sup>	13.44	99 <sup>th</sup>	95 <sup>th</sup>	0.043	5 <sup>th</sup>	30 <sup>th</sup>	1157.06	98 <sup>th</sup>	68 <sup>th</sup>	650	30 <sup>th</sup>	32 <sup>nd</sup>
6073010005	0.505	92 <sup>nd</sup>	90 <sup>th</sup>	14.45	99 <sup>th</sup>	98 <sup>th</sup>	0.043	5 <sup>th</sup>	30 <sup>th</sup>	1156.64	97 <sup>th</sup>	68 <sup>th</sup>	731	38 <sup>th</sup>	39 <sup>th</sup>
6073010012	0.341	82 <sup>nd</sup>	80 <sup>th</sup>	14.03	99 <sup>th</sup>	98 <sup>th</sup>	0.043	5 <sup>th</sup>	30 <sup>th</sup>	1046.98	96 <sup>th</sup>	65 <sup>th</sup>	855	50 <sup>th</sup>	48 <sup>th</sup>
6073010014	0.109	41 <sup>st</sup>	40 <sup>th</sup>	12.52	98 <sup>th</sup>	91 <sup>st</sup>	0.044	41 <sup>st</sup>	35 <sup>th</sup>	2618.50	99 <sup>th</sup>	83 <sup>rd</sup>	694	33 <sup>rd</sup>	36 <sup>th</sup>
6073010015	0.104	39 <sup>th</sup>	39 <sup>th</sup>	12.82	98 <sup>th</sup>	93 <sup>rd</sup>	0.045	57 <sup>th</sup>	40 <sup>th</sup>	4595.21	99 <sup>th</sup>	91 <sup>st</sup>	5129	99 <sup>th</sup>	100 <sup>th</sup>
6073010106	0.299	77 <sup>th</sup>	76 <sup>th</sup>	12.45	97 <sup>th</sup>	91 <sup>st</sup>	0.043	5 <sup>th</sup>	30 <sup>th</sup>	945.24	95 <sup>th</sup>	63 <sup>rd</sup>	855	50 <sup>th</sup>	48 <sup>th</sup>
6073010111	0.377	85 <sup>th</sup>	83 <sup>rd</sup>	13.01	99 <sup>th</sup>	94 <sup>th</sup>	0.043	5 <sup>th</sup>	30 <sup>th</sup>	973.83	95 <sup>th</sup>	63 <sup>rd</sup>	821	47 <sup>th</sup>	46 <sup>th</sup>
6073013306	0.604	94 <sup>th</sup>	93 <sup>rd</sup>	11.74	96 <sup>th</sup>	67 <sup>th</sup>	0.043	5 <sup>th</sup>	30 <sup>th</sup>	1345.21	99 <sup>th</sup>	71 <sup>st</sup>	1870	93 <sup>rd</sup>	85 <sup>th</sup>
6073013308	0.381	86 <sup>th</sup>	84 <sup>th</sup>	11.61	95 <sup>th</sup>	64 <sup>th</sup>	0.043	5 <sup>th</sup>	30 <sup>th</sup>	1279.38	98 <sup>th</sup>	70 <sup>th</sup>	994	60 <sup>th</sup>	57 <sup>th</sup>
6073013312	0.200	63 <sup>rd</sup>	62 <sup>nd</sup>	11.77	96 <sup>th</sup>	69 <sup>th</sup>	0.043	5 <sup>th</sup>	30 <sup>th</sup>	1450.20	99 <sup>th</sup>	72 <sup>nd</sup>	1419	83 <sup>rd</sup>	76 <sup>th</sup>
6073013313	0.069	25 <sup>th</sup>	26 <sup>th</sup>	11.71	96 <sup>th</sup>	67 <sup>th</sup>	0.044	30 <sup>th</sup>	32 <sup>nd</sup>	1538.71	99 <sup>th</sup>	74 <sup>th</sup>	1041	64 <sup>th</sup>	61 <sup>st</sup>

Source: (CalEPA, 2021)

a – A portion of Census Tract 6073010109 also falls within the boundaries of EJ Study Area 2.

**Table 2. Population Statistics for Communities in the EJ Study Area Based on CalEnviroScreen 4.0 Data (Continued)**

Census Tract Number	Asthma			Cardiovascular Disease			Pesticide Use			Impaired Water Bodies			Drinking Water Contaminants		
	Value (people per 10,000)	County Percentile	State Percentile	Value (people per 10,000)	County Percentile	State Percentile	Value (pounds active ingredient / square mile)	County Percentile	State Percentile	Value	County Percentile	State Percentile	Value	County Percentile	State Percentile
<i>EJ Study Area 1</i>															
6073010009	59	84 <sup>th</sup>	68 <sup>th</sup>	15	96 <sup>th</sup>	69 <sup>th</sup>	0	0	0	20	97 <sup>th</sup>	98 <sup>th</sup>	313	22 <sup>nd</sup>	29 <sup>th</sup>
6073010109 <sup>a</sup>	44	70 <sup>th</sup>	47 <sup>th</sup>	11	67 <sup>th</sup>	38 <sup>th</sup>	0.37	83 <sup>rd</sup>	35 <sup>th</sup>	30	99 <sup>th</sup>	100 <sup>th</sup>	317	61 <sup>st</sup>	30 <sup>th</sup>
<i>EJ Study Area 2</i>															
6073010001	37	59 <sup>th</sup>	36 <sup>th</sup>	9	37 <sup>th</sup>	19 <sup>th</sup>	0	0	0	2	15 <sup>th</sup>	24 <sup>th</sup>	301	13 <sup>th</sup>	24 <sup>th</sup>
6073010003	48	73 <sup>rd</sup>	53 <sup>rd</sup>	12	76 <sup>th</sup>	45 <sup>th</sup>	0	0	0	2	15 <sup>th</sup>	24 <sup>th</sup>	329	62 <sup>nd</sup>	31 <sup>st</sup>
6073010004	37	60 <sup>th</sup>	37 <sup>th</sup>	9	47 <sup>th</sup>	25 <sup>th</sup>	0	0	0	0	0	0	313	22 <sup>nd</sup>	29 <sup>th</sup>
6073010005	69	90 <sup>th</sup>	78 <sup>th</sup>	18	99 <sup>th</sup>	80 <sup>th</sup>	0	0	0	0	0	0	313	22 <sup>nd</sup>	29 <sup>th</sup>
6073010012	69	90 <sup>th</sup>	78 <sup>th</sup>	18	99 <sup>th</sup>	80 <sup>th</sup>	0	0	0	0	0	0	313	22 <sup>nd</sup>	29 <sup>th</sup>
6073010014	42	67 <sup>th</sup>	44 <sup>th</sup>	10	59 <sup>th</sup>	32 <sup>nd</sup>	0	0	0	2	15 <sup>th</sup>	24 <sup>th</sup>	298	11 <sup>th</sup>	24 <sup>th</sup>
6073010015	38	61 <sup>st</sup>	38 <sup>th</sup>	10	50 <sup>th</sup>	27 <sup>th</sup>	0	0	0	20	97 <sup>th</sup>	98 <sup>th</sup>	303	13 <sup>th</sup>	24 <sup>th</sup>
6073010106	36	58 <sup>th</sup>	35 <sup>th</sup>	9	44 <sup>th</sup>	23 <sup>rd</sup>	0	0	0	0	0	0	301	12 <sup>th</sup>	24 <sup>th</sup>
6073010111	69	90 <sup>th</sup>	78 <sup>th</sup>	18	99 <sup>th</sup>	80 <sup>th</sup>	0	0	0	20	97 <sup>th</sup>	98 <sup>th</sup>	313	22 <sup>nd</sup>	29 <sup>th</sup>
6073013306	64	87 <sup>th</sup>	73 <sup>rd</sup>	12	83 <sup>rd</sup>	50 <sup>th</sup>	0	0	0	2	15 <sup>th</sup>	24 <sup>th</sup>	303	13 <sup>th</sup>	24 <sup>th</sup>
6073013308	56	81 <sup>st</sup>	64 <sup>th</sup>	11	67 <sup>th</sup>	38 <sup>th</sup>	0	0	0	2	15 <sup>th</sup>	24 <sup>th</sup>	303	13 <sup>th</sup>	24 <sup>th</sup>
6073013312	64	87 <sup>th</sup>	73 <sup>rd</sup>	12	83 <sup>rd</sup>	50 <sup>th</sup>	0	0	0	2	15 <sup>th</sup>	24 <sup>th</sup>	265	5 <sup>th</sup>	17 <sup>th</sup>
6073013313	24	30 <sup>th</sup>	15 <sup>th</sup>	7	21 <sup>st</sup>	10 <sup>th</sup>	0	0	0	2	15 <sup>th</sup>	24 <sup>th</sup>	265	5 <sup>th</sup>	17 <sup>th</sup>

Source: (CalEPA, 2021)

a – A portion of Census Tract 6073010109 also falls within the boundaries of EJ Study Area 2.

**Table 2. Population Statistics for Communities in the EJ Study Area Based on CalEnviroScreen 4.0 Data (Continued)**

Census Tract Number	Groundwater Threats			Solid Waste Facilities			Hazardous Waste			Cleanup Sites		
	Value	County Percentile	State Percentile	Value	County Percentile	State Percentile	Value	County Percentile	State Percentile	Value	County Percentile	State Percentile
<i>EJ Study Area 1</i>												
6073010009	1.0	25 <sup>th</sup>	7 <sup>th</sup>	0.25	51 <sup>st</sup>	12 <sup>th</sup>	0.11	26 <sup>th</sup>	19 <sup>th</sup>	0	0	0
6073010109 <sup>a</sup>	3.5	39 <sup>th</sup>	23 <sup>rd</sup>	4.00	83 <sup>rd</sup>	70 <sup>th</sup>	0.01	7 <sup>th</sup>	2 <sup>nd</sup>	9.4	85 <sup>th</sup>	59 <sup>th</sup>
<i>EJ Study Area 2</i>												
6073010001	4.5	43 <sup>rd</sup>	28 <sup>th</sup>	11.50	96 <sup>th</sup>	93 <sup>rd</sup>	0.60	77 <sup>th</sup>	75 <sup>th</sup>	0.5	45 <sup>th</sup>	8 <sup>th</sup>
6073010003	0.0	0	0	1.00	60 <sup>th</sup>	36 <sup>th</sup>	0.21	42 <sup>nd</sup>	38 <sup>th</sup>	0	0	0
6073010004	10.0	57 <sup>th</sup>	47 <sup>th</sup>	0.00	0	0	0.10	20 <sup>th</sup>	17 <sup>th</sup>	0	0	0
6073010005	2.5	34 <sup>th</sup>	17 <sup>th</sup>	0.50	54 <sup>th</sup>	22 <sup>nd</sup>	0.10	20 <sup>th</sup>	17 <sup>th</sup>	0	0	0
6073010012	2.5	34 <sup>th</sup>	17 <sup>th</sup>	0.00	0	0	0.10	20 <sup>th</sup>	17 <sup>th</sup>	0	0	0
6073010014	29.7	88 <sup>th</sup>	79 <sup>th</sup>	18.85	98 <sup>th</sup>	98 <sup>th</sup>	1.19	88 <sup>th</sup>	88 <sup>th</sup>	9	84 <sup>th</sup>	58 <sup>th</sup>
6073010015	23.0	84 <sup>th</sup>	72 <sup>nd</sup>	8.00	93 <sup>rd</sup>	87 <sup>th</sup>	1.33	90 <sup>th</sup>	89 <sup>th</sup>	10	86 <sup>th</sup>	61 <sup>st</sup>
6073010106	10.0	57 <sup>th</sup>	47 <sup>th</sup>	0.70	58 <sup>th</sup>	25 <sup>th</sup>	0.05	14 <sup>th</sup>	7 <sup>th</sup>	0	0	0
6073010111	5.0	44 <sup>th</sup>	31 <sup>st</sup>	0.00	0	0	0.10	20 <sup>th</sup>	17 <sup>th</sup>	0	0	0
6073013306	1.5	29 <sup>th</sup>	11 <sup>th</sup>	3.00	79 <sup>th</sup>	64 <sup>th</sup>	0.15	32 <sup>nd</sup>	27 <sup>th</sup>	0.4	42 <sup>nd</sup>	6 <sup>th</sup>
6073013308	15.0	70 <sup>th</sup>	60 <sup>th</sup>	13.80	97 <sup>th</sup>	95 <sup>th</sup>	0.73	83 <sup>rd</sup>	79 <sup>th</sup>	5	72 <sup>nd</sup>	43 <sup>rd</sup>
6073013312	2.4	34 <sup>th</sup>	15 <sup>th</sup>	13.50	97 <sup>th</sup>	95 <sup>th</sup>	0.22	43 <sup>rd</sup>	39 <sup>th</sup>	0	0	0
6073013313	52.0	95 <sup>th</sup>	91 <sup>st</sup>	19.75	99 <sup>th</sup>	98 <sup>th</sup>	0.40	65 <sup>th</sup>	60 <sup>th</sup>	18.5	94 <sup>th</sup>	80 <sup>th</sup>

Source: (CalEPA, 2021)

a – A portion of Census Tract 6073010109 also falls within the boundaries of EJ Study Area 2.

#### **4. HEALTHY PLACES INDEX DATA**

EPA and USIBWC obtained data for certain indicators from the HPI 3.0 Online Map, excluding indicators related to data previously obtained through EJScreen 2.0 or CalEnviroScreen 4.0 (Public Health Alliance, 2022). EPA and USIBWC used the “Rank Geographies” tool on the online mapper to obtain indicator county percentiles for census tracts in the EJ Study Area relative to that of other tracts in San Diego County for that particular indicator, as well as the raw data indicator values. For example, if a tract is in the 65<sup>th</sup> percentile for its HPI Score, that would indicate that the tract has overall healthier conditions than 65 percent of other tracts in the county.

EPA and USIBWC imported the HPI 3.0 data into a geodatabase using ArcGIS and generated figures depicting the census tract percentiles in the EJ Study Area. These figures are provided below.



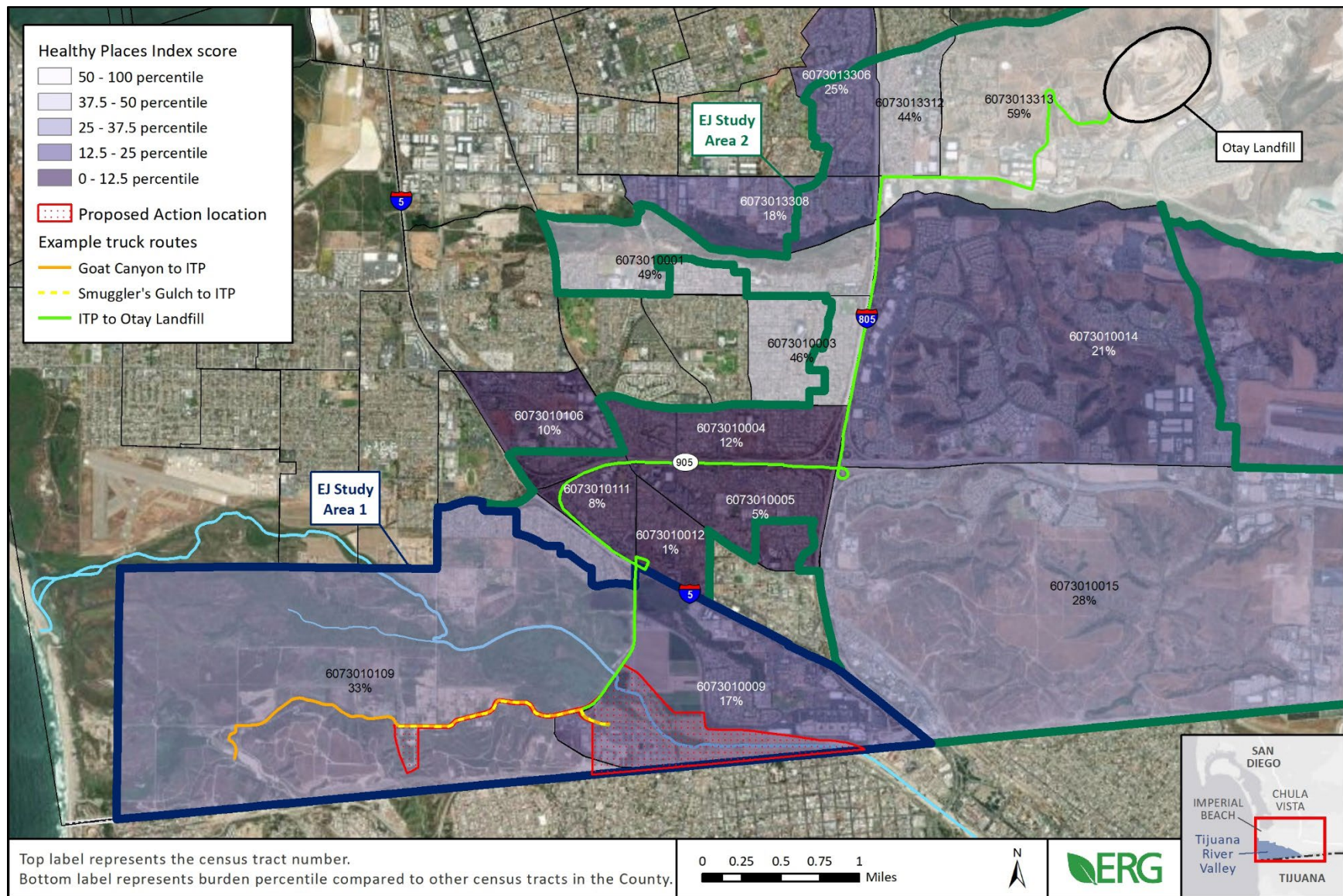


Figure 49. Healthy Places Index Score Percentile (County) for Census Tracts in EJ Study Area, Based on HPI 3.0 data

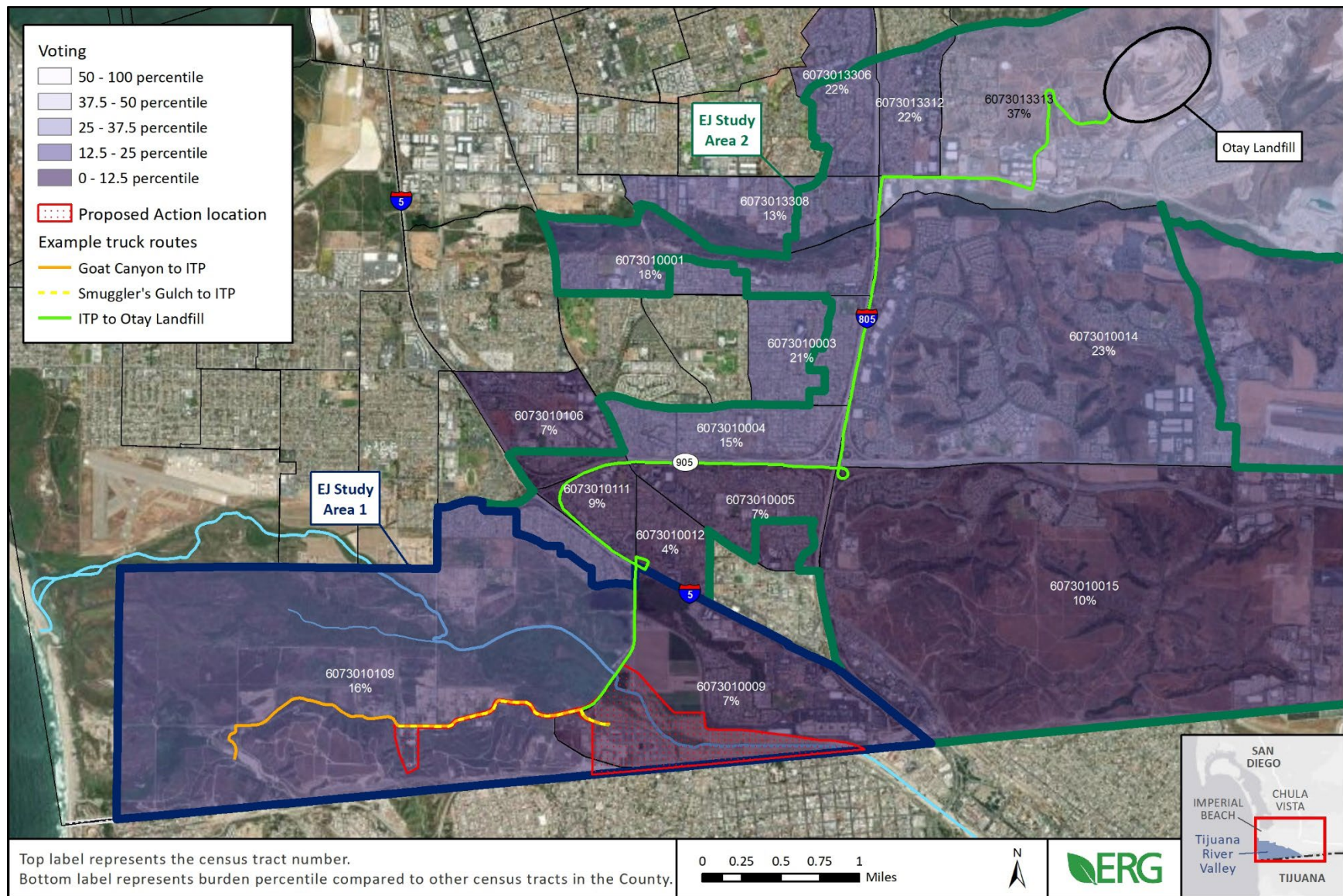


Figure 50. Voting Percentile (County) for Census Tracts in EJ Study Area, Based on HPI 3.0 data

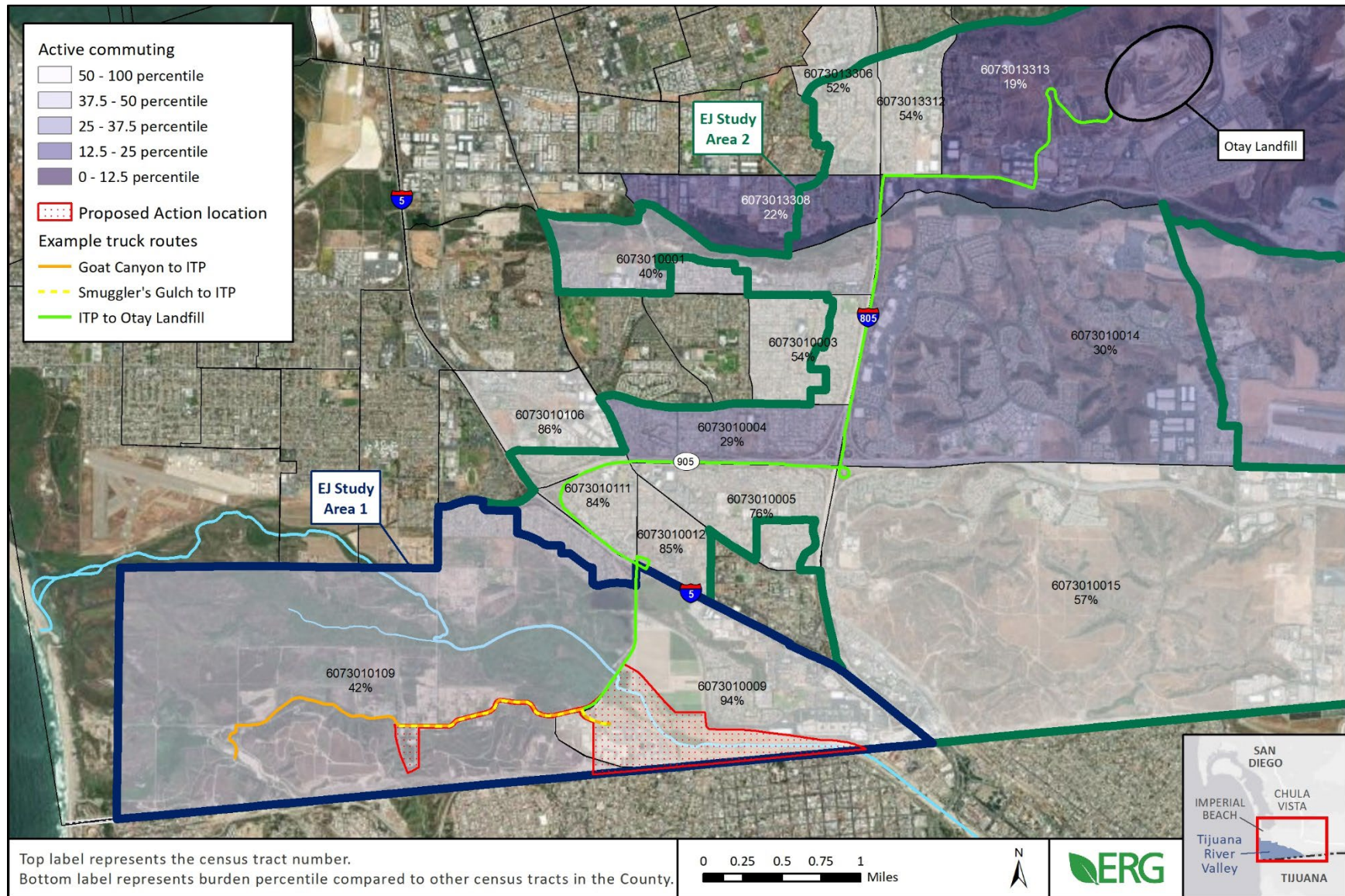


Figure 51. Active Commuting Percentile (County) for Census Tracts in EJ Study Area, Based on HPI 3.0 data

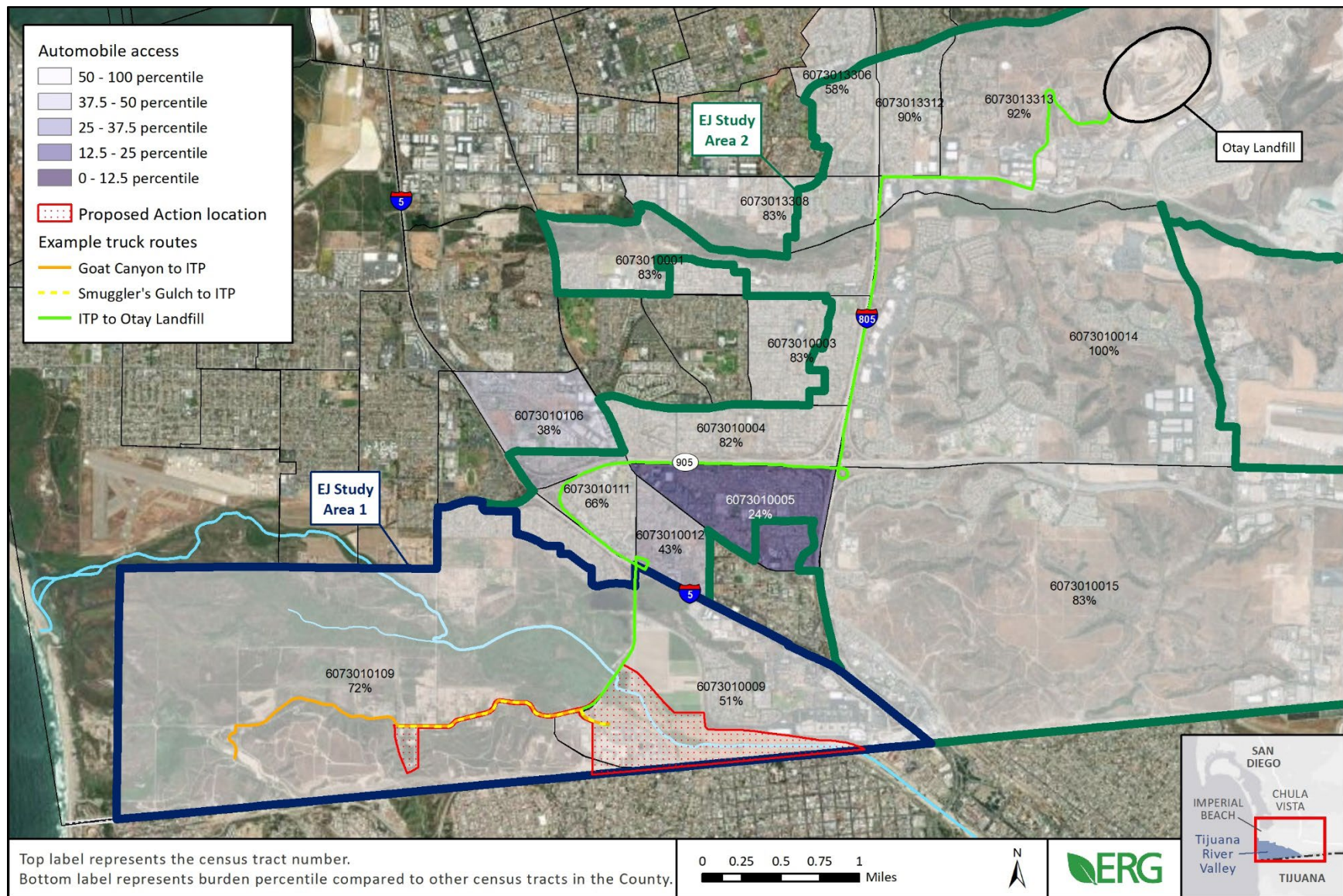


Figure 52. Automobile Access Percentile (County) for Census Tracts in EJ Study Area, Based on HPI 3.0 data

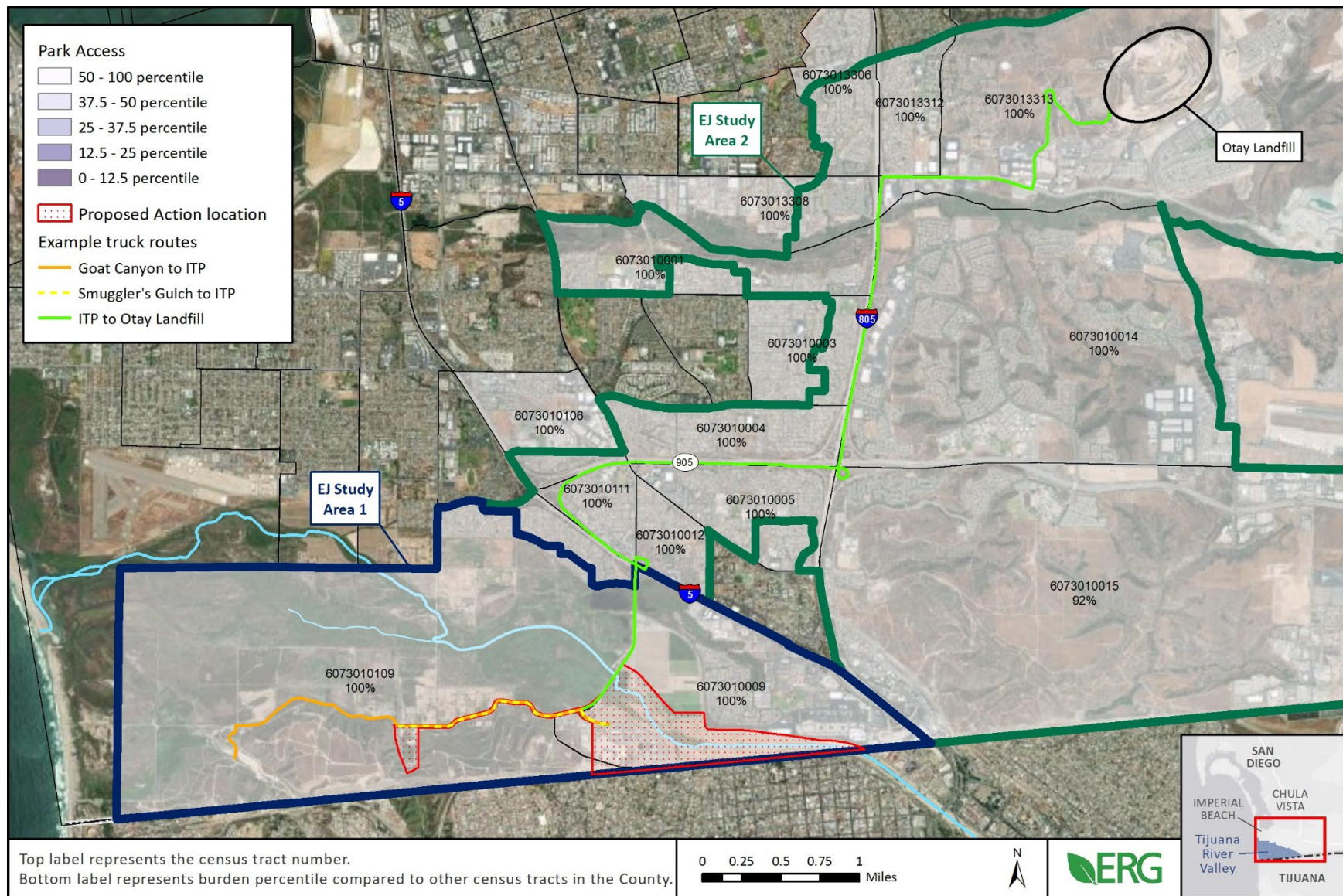


Figure 53. Park Access Percentile (County) for Census Tracts in EJ Study Area, Based on HPI 3.0 data

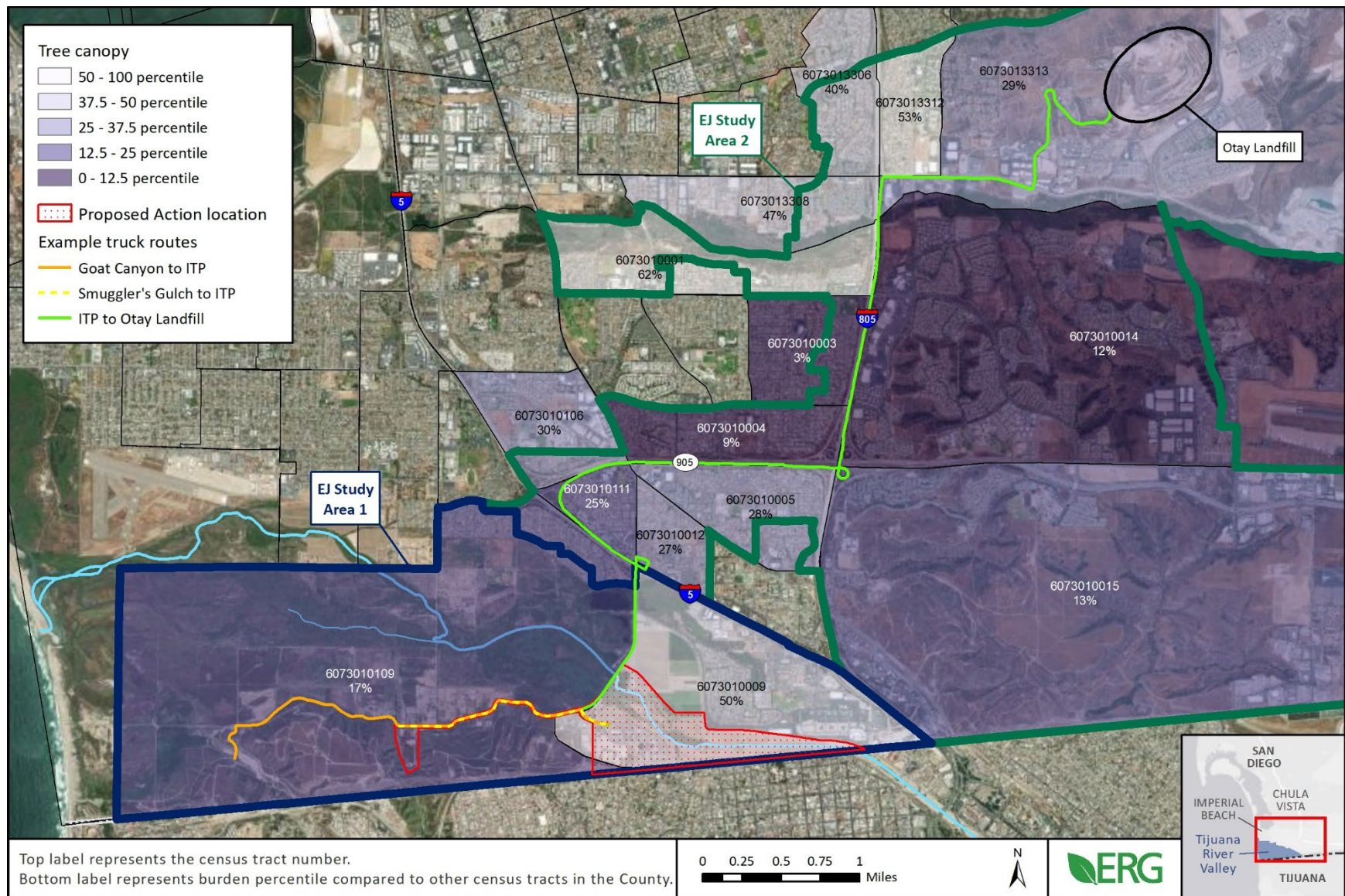


Figure 54. Tree Canopy Percentile (County) for Census Tracts in EJ Study Area, Based on HPI 3.0 data

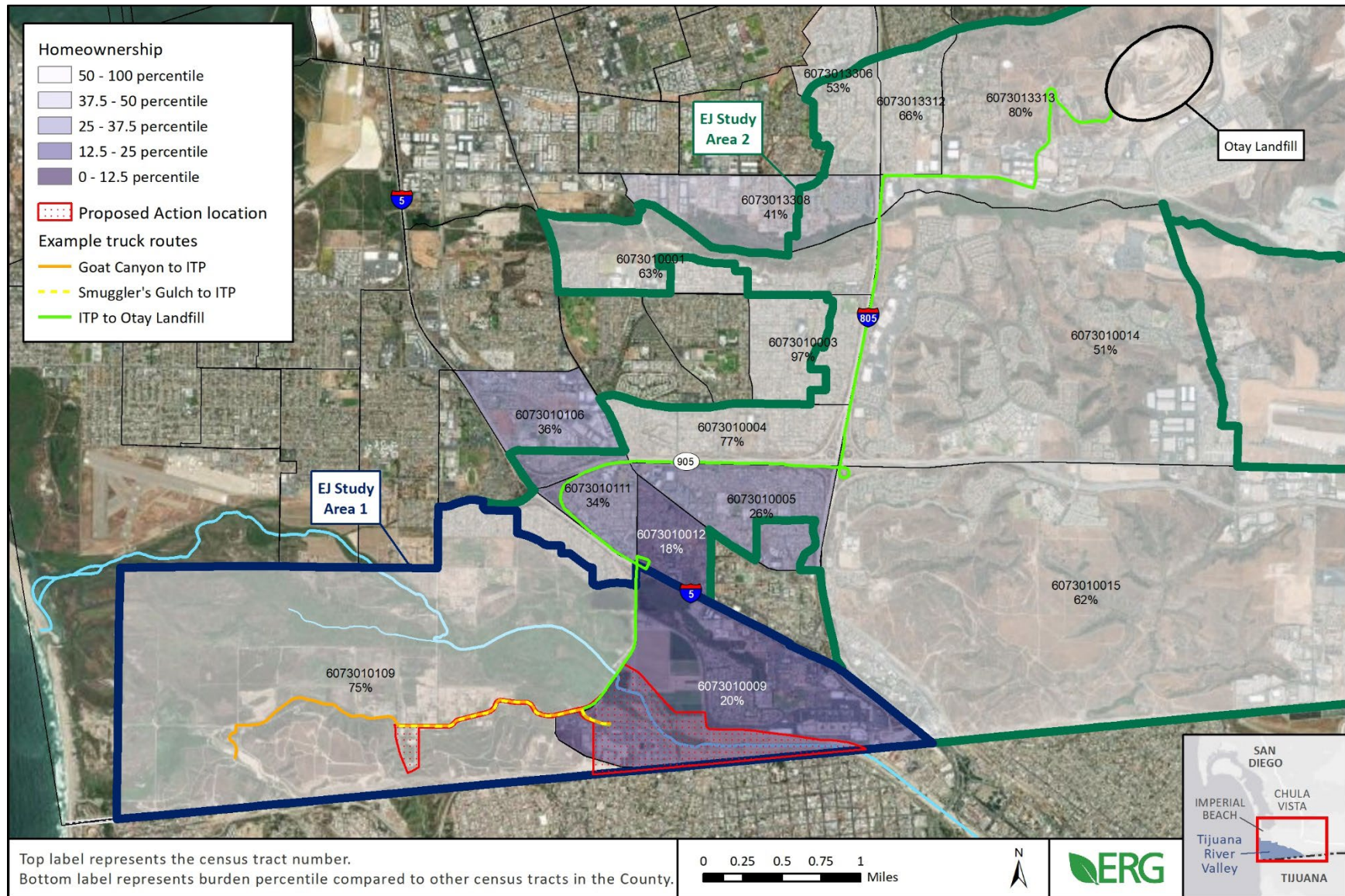


Figure 55. Homeownership Percentile (County) for Census Tracts in EJ Study Area, Based on HPI 3.0 data

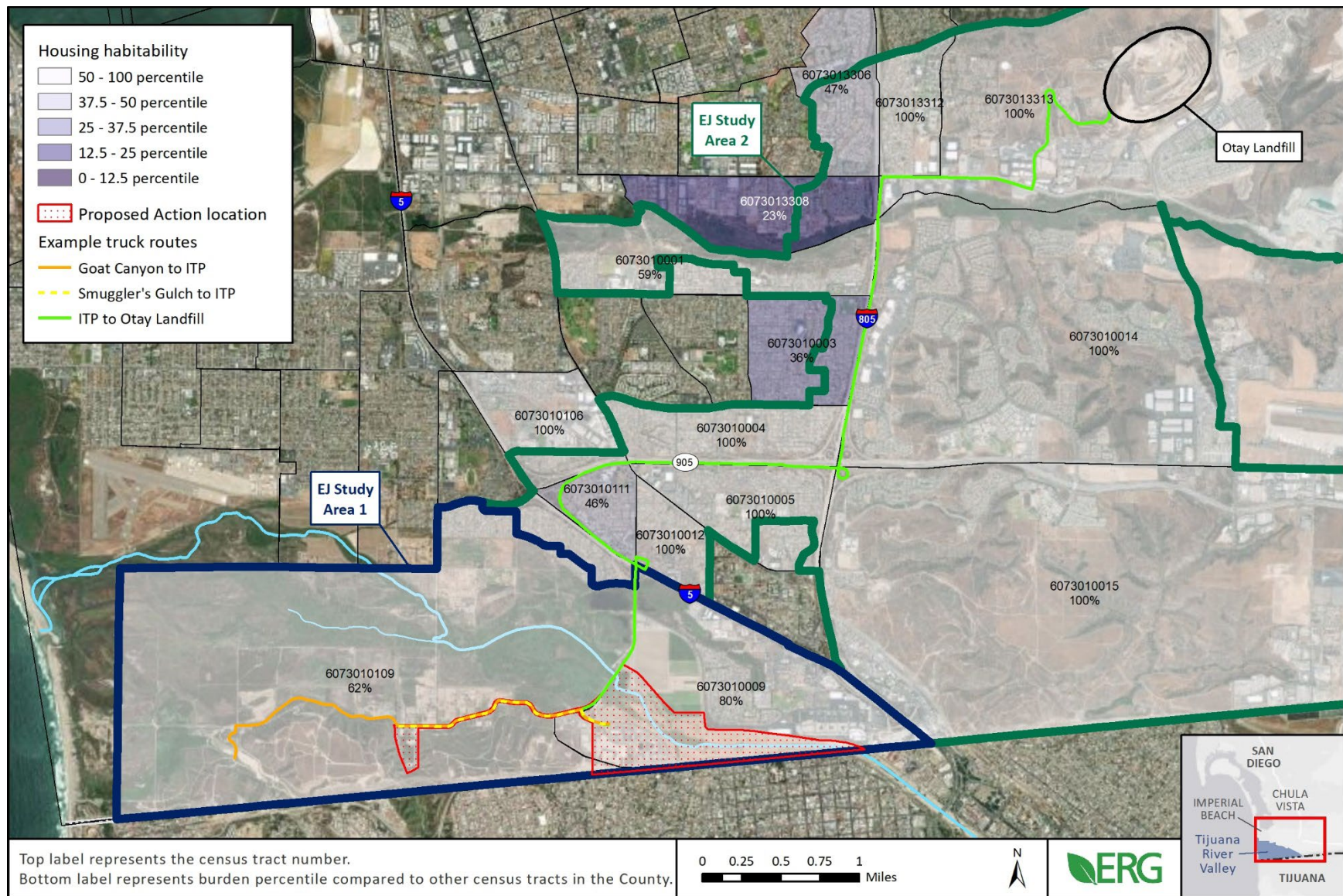


Figure 56. Housing Habitability Percentile (County) for Census Tracts in EJ Study Area, Based on HPI 3.0 data



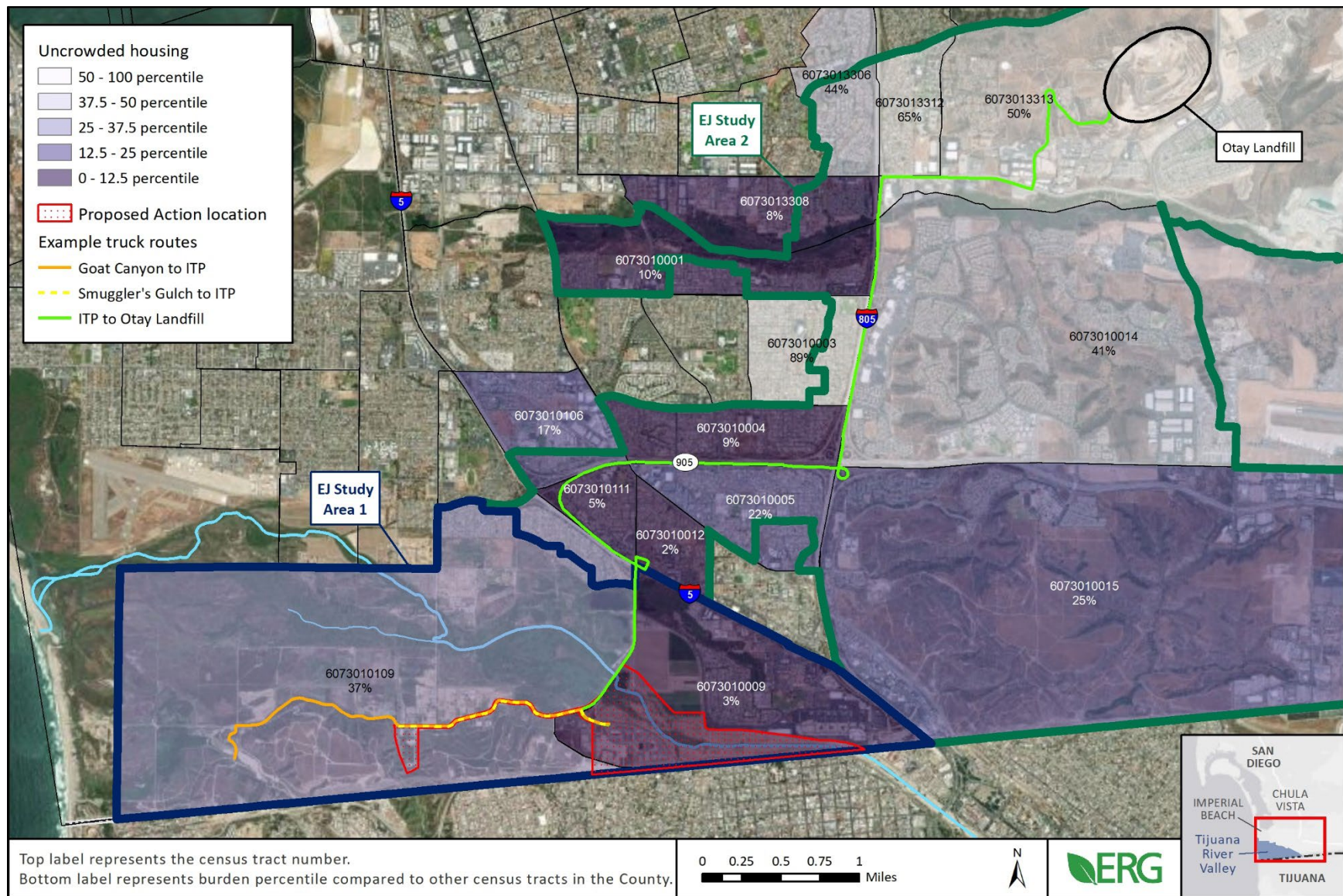


Figure 57. Uncrowded Housing Percentile (County) for Census Tracts in EJ Study Area, Based on HPI 3.0 data

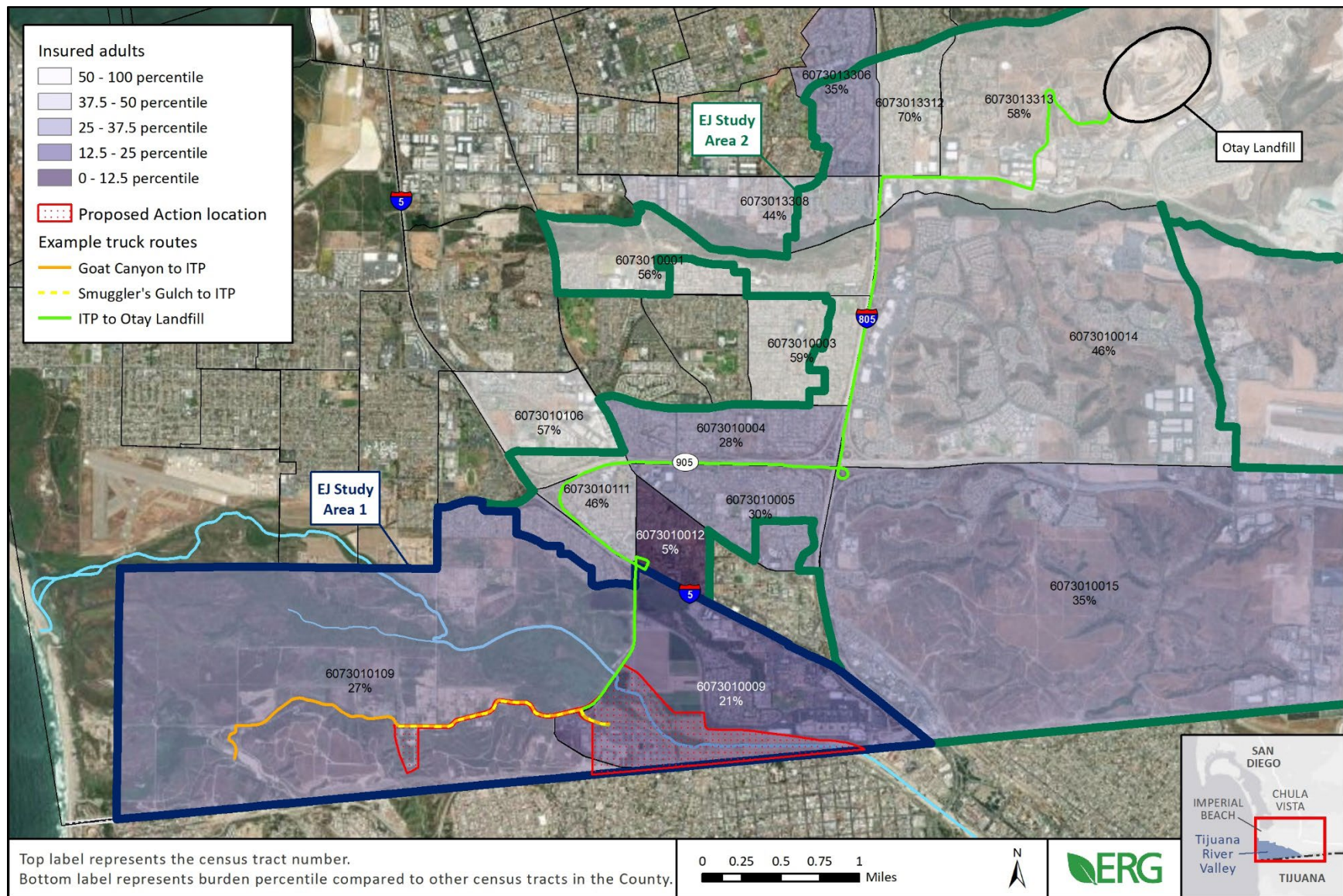


Figure 58. Insured Adults Percentile (County) for Census Tracts in EJ Study Area, Based on HPI 3.0 data

## 5. REFERENCES

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