HAMPTON ROADS 2040 Socioeconomic Forecast

and TAZ Allocation

the heartbeat of HAMPTON ROADS TPO
Transportation Planning Organization

October 2013

T13-10

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ABSTRACT
The Hampton Roads Transportation Planning Organization (HRTPO) is currently in the process of updating the regional Long-Range Transportation Plan to the horizon year 2040. As part of this process and in keeping with federal regulations, HRTPO staff must examine how the region may develop over the next 20 years based upon projected population and employment growth. To accomplish this task, staff developed socioeconomic control totals for each locality in the region, which were then allocated to Transportation Analysis Zones (TAZs). This data will be used in the region's travel demand model in the development of the 2040 LRTP.

ACKNOWLEDGEMENTS
This document was prepared by the Hampton Roads Transportation Planning Organization (HRTPO) in cooperation with the U.S. Department of Transportation (USDOT), Federal Highway Administration (FHWA), Federal Transit Administration (FTA), Virginia Department of Transportation (VDOT), Virginia Department of Rail and Public Transportation (DRPT), Transportation District Commission of Hampton Roads (TDCHR), and Williamsburg Area Transit Authority (WATA). The contents of this report reflect the views of the HRTPO. The HRTPO staff is responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the FHWA, FTA, VDOT or DRPT. This report does not constitute a standard, specification, or regulation. FHWA, FTA, VDOT or DRPT acceptance of this report as evidence of fulfillment of the objectives of this program does not constitute endorsement/approval of the need for any recommended improvements nor does it constitute approval of their location and design or a commitment to fund any such improvements. Additional project level environmental impact assessments and/or studies of alternatives may be necessary.

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Hampton Roads 2040 Socioeconomic Forecast

and TAZ Allocation

The Hampton Roads Transportation Planning Organization (HRTPO) is currently in the process of updating the regional Long-Range Transportation Plan to the horizon year 2040. As part of this process and in keeping with federal regulations, HRTPO staff must examine how the region may develop over the next twenty years based upon projected population and employment growth. To accomplish this task, staff developed socioeconomic control totals for each locality in the region, which were then allocated to Transportation Analysis Zones (TAZs). This data will be used in the region's travel demand model in the development of the 2040 LRTP.

PREPARED BY:

the heartbeat of HAMPTON ROADS TPO
TRANSPORTATION PLANNING ORGANIZATION

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Hampton Roads 2040 Socioeconomic Forecast and TAZ Allocation

PURPOSE

The primary purpose of a forecast is to improve the decision making process in matters that have future implications. Large and costly infrastructure projects that are designed for current and future use are a prime example of the need for forecasting.

According to Federal regulations (23CFR450.300 –Metropolitan Transportation Planning and Programming: Purpose),[1] the Metropolitan Planning Organization (MPO) of each designated urbanized area should "carry out a continuing, cooperative and comprehensive multimodal transportation planning process, including the development of a metropolitan transportation plan and a transportation improvement program (TIP)."[2]

Further, as per 23CFR450.322, the metropolitan transportation plan should have a minimum 20-year planning horizon and should include both "long-range and short-range strategies/actions that lead to the development of an

[1] http://www.fhwa.dot.gov/hep/guidance/superseded/23cfr450.cfm#sec.450.320

[2] www.gpo.gov/fdsys/pkg/CFR-2011-title23-vol1/pdf/CFR-2011-title23-vol1-part450-subpartC.pdf

Regional Overview

Hampton Roads is home to more than 1.7 million residents and is projected to grow to almost 2 million by the year 2040. The region is among the 40 largest Metropolitan Statistical Areas in the country, and the sixth largest in the Southeast.

integrated multimodal transportation system".[3] The MPO must review and update the transportation plan at least every four years in air quality nonattainment and maintenance areas. The plan at a minimum should include "the projected transportation demand of persons and goods in the metropolitan planning area over the period of the plan."

The current metropolitan transportation plan (2034 Long – Range Transportation Plan) was adopted by the Board of the Hampton Roads Transportation Planning Organization (hereon referred to as the HRTPO) in January 2012. The Long-Range Transportation Plan (LRTP) serves as the blueprint for the region's transportation development and identifies all regionally significant transportation projects for the Hampton Roads metropolitan area.

Upon completion of the 2034 LRTP, the HRTPO has begun to update the transportation plan to the horizon year of 2040. As part of the process and in keeping with the federal regulations listed above, HRTPO staff must examine how the region may develop over the next 20 years based upon projected population and employment growth. Changes in growth can impact demand on the regional transportation system, therefore future plans must consider alternatives to effectively address these needs. Once alternatives are determined, funds are then identified to cover the costs of these future transportation investments.

This first step in preparing the 2040 LRTP is to conduct a long-range socioeconomic forecast with which to populate the regional travel demand model.[4] Model requirements call for the forecast of several elements, including:

- Population
- Households
- Number of workers
- Passenger vehicle registrations
- Employment by place of work by categories
    - Retail
    - Industrial
    - Office
    - Other

These model inputs are then used to assist in the planning for, and analysis of, regional transportation projects.

The regional socioeconomic forecast is the result of significant effort that includes extensive research, modeling & analysis, as well as substantial input from member localities. The process for developing the forecast is monitored by the Long-Range Transportation Planning Subcommittee as well as the Transportation Technical Advisory Committee (TTAC) and requires the approval of the HRTPO Board. Once the forecast has been completed and approved, it is often used by member localities and other regional agencies to assist in their planning efforts.

[3] http://www.fhwa.dot.gov/hep/guidance/superseded/23cfr450.cfm#sec.450.322

[4] The HRTPO Travel Demand Model (TDM) is a planning tool developed by the Virginia Department of Transportation (VDOT) to forecast and analyze transportation scenarios in Hampton Roads.

INTRODUCTION

Forecasting[5] involves making a statement about an event that has not yet been observed, and is typically at a future specified date. The inherent difficultly in making an accurate forecast is accounting for unknown variables that can influence an event. This is especially true for long-range forecasts, where the number of unknown variables increases over time. Long-range forecasts remain necessary, however, as it is important to plan for the future when making a significant investment of resources.

This report will explain the process and the methodology used to develop the *Hampton Roads 2040 Socioeconomic Forecast* and provide the forecast data that will be serve as an input for the HRTPO's Travel Demand Model (TDM).

METHODOLOGY

The development of the *Hampton Roads 2040 Socioeconomic Forecast* began with a comprehensive review of forecasting techniques and a review of best practices from other Metropolitan Planning Organizations.

At the outset, it was evident that there are numerous techniques generally used in forecasting. Quantitative forecasts are typically based on historical data and use mathematical formulas for trend extrapolation, cohort component analysis, or structural models. Quantitative methods range from simple linear projections, to autoregressive moving average (ARMA or ARIMA) models, to advanced econometric and spatial models. There are also qualitative forecasts that can be based on informed opinion (the Delphi Method), market research, and other non-numerical inputs. The type of forecasting technique utilized in a projection process is typically dependent on a variety of factors, such as data availability, project scope, consistency of historical trends, and the availability resources (Smith, Tayman, Swanson 2001, 5). According to research, forecast accuracy tends to increase with population size, increase with slow and steady positive growth rates, and decrease over longer durations. Research also suggests that no forecasting technique consistently out-performs other techniques; as such, there is no single technique that is deemed superior to all others.

Given the variability of forecasting techniques, a literature review was conducted to determine current best practices in long-range forecasting from other MPOs. Once again it became evident that there were numerous different approaches employed by MPOs in the development of long-range forecasts. Several MPOs conducted their own forecasts, some relied on the state to provide their forecast, and others contracted with private companies or universities to develop their forecast. While there was very little in the way of consistency, some notable trends did appear. Many MPOs relied on comprehensive plans in the development of their forecasts, resulting in scenario based results rather than purely model driven results. In the event that scenario based forecasts were employed, forecasts tended to be restricted to base and horizon years, avoiding intermediate years. Listed below are a few highlights from long-range forecasts for select MPOs, a

[5] Projections are statements about the future based on a particular set of assumptions, whereas a forecast is what an analyst believes to be most likely to provide an accurate prediction of future events (Smith, Tayman, Swanson 2001, 3).

testament to some of the diversity and similarities in forecast methodology:

Seattle – Puget Sound Regional Council

- Employed an UrbanSim model developed by the University of Washington that focused on the real estate market, the transportation system, development patterns, travel demand, and household and firm locations.

San Francisco Bay Area Regional Transportation Plan

- Long range forecast utilized policy-based development potential to determine growth, ensuring the forecast was consistent with comprehensive plans.

Chicago Metropolitan Agency for Planning

- Scenario-based forecasting dependent on current population and land use trends, using mathematical modeling techniques to distribute population and employment.

Metropolitan Washington Council of Governments

- Employed a top-down, bottom up approach, using a regional model based on national economic and demographic factors to determine potential growth for the region, while relying on cooperation among local governments to determine potential growth at the local level.

Portland – Oregon Metro

- Relied on a GIS based model populated with data from the Regional Land Information System.

Boston – Metropolitan Area Planning Council

- Metro area forecast was provided by the state department of transportation.

Kansas City: Mid-America Regional Council

- Employed a qualitative forecasting approach based on informed opinion from technical committee members.

Atlanta Regional Commission

- Forecast was derived using REMI (Regional Economic Models, Inc), an advanced econometric modeling tool.

Southeast Michigan Council of Governments

- Forecast was developed by the University of Michigan through use of the UrbanSim model.

Delaware Valley Regional Planning Commission

- Utilized three different forecasts, based on cohort-component and trend extrapolation, to provide a minimum and maximum growth estimate.

San Diego Association of Governments

- Employed a top-down, bottom up method, developing regional control totals with which to constrain local forecasts.

After conducting a literature review, and researching best practices of other metropolitan planning organizations, staff prepared a draft methodology and presented it to the Transportation Technical Advisory Committee. The approved methodology consisted of a multi-step process specifically tailored to the Hampton Roads region that incorporated several aspects from forecasts developed in MPOs across the nation.

The forecast methodology employed a top-down, bottom up approach, determining growth for each dataset at the regional level to serve as a constraint for the combined growth rates of each of the individual localities. Given the region's unique attributes, two separate forecasts were used. One for the Southside of Hampton Roads, consisting of the Cities of Chesapeake, Franklin, Norfolk, Portsmouth, Suffolk, and Virginia Beach, and the Counties of Isle of Wight, Southampton, and Surry.[6] The other sub-regional forecast is for the Hampton Roads' Peninsula, consisting of the Cities of Hampton, Newport News, Poquoson, Williamsburg, and the Counties of Gloucester, James City, and York.

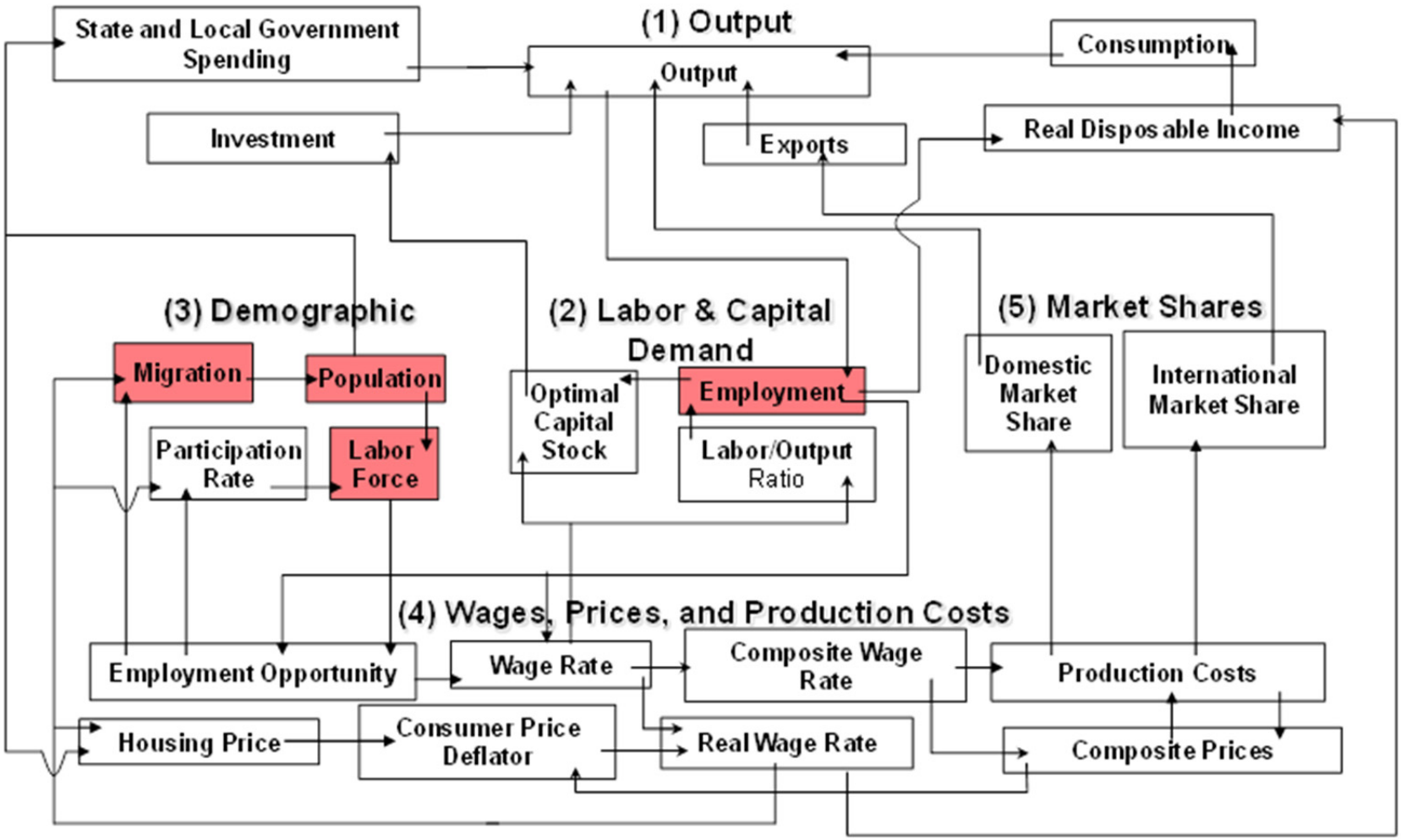
The regional and sub-regional control totals were developed using the Hampton Roads Planning District Commission's REMI (Regional Economic Modeling, Inc.) model.[7] The REMI model is one of the most advanced and sophisticated dynamic forecasting and policy analysis tools available on the market, widely recognized for quality, accuracy, and integrity.

The REMI model is an especially valuable tool for long-range forecasting in that its dynamic structure enables the user to simultaneously forecast industry employment along with population, ensuring internal consistency in the forecast. The model is driven primarily by projected employment, using short-term forecasts from the University of Michigan's Research Seminar in Quantitative Economics (RSQE), and long-term projections from the Bureau of Labor Statistics (BLS). Predicating long-term population growth on expected changes in employment is strongly supported by literature because employment influences variable migration patterns, whereas natural growth rates (births and deaths) tend to be stable and consistent (Smith, Tayman, Swanson 2001, 188-9). An illustration of the REMI model structure (Figure 1) is included on the following page.

[6] Although Franklin, Southampton, and Surry are not part of the MPO, they are within the boundaries of the Hampton Roads Planning District Commission; Franklin and Southampton maintain seats on the HRTPO Board in matters that involve funding from the Hampton Roads Transportation Fund (Virginia House Bill 2313, 2013).

[7] Information about the REMI model, including the assumptions, equations, and detailed specifics of the model are available at www.remi.com/resources/documentation - PI+ version 1.3

FIGURE 1: REMI MODEL STRUCTURE



In order to ensure that the most recent information was used in the development of the forecast, the HRPDC REMI model was updated with the latest information from the U.S. Census Bureau and the Bureau of Economic Analysis (BEA).

The long-range population forecast figures derived through the REMI model provide estimates of the components of population change, using employment projections to develop estimates of migration, while utilizing cohort-component survival analysis to forecast age and gender estimates for the residents of Hampton Roads.

FIGURE 2: COMPONENTS OF POPULATION CHANGE

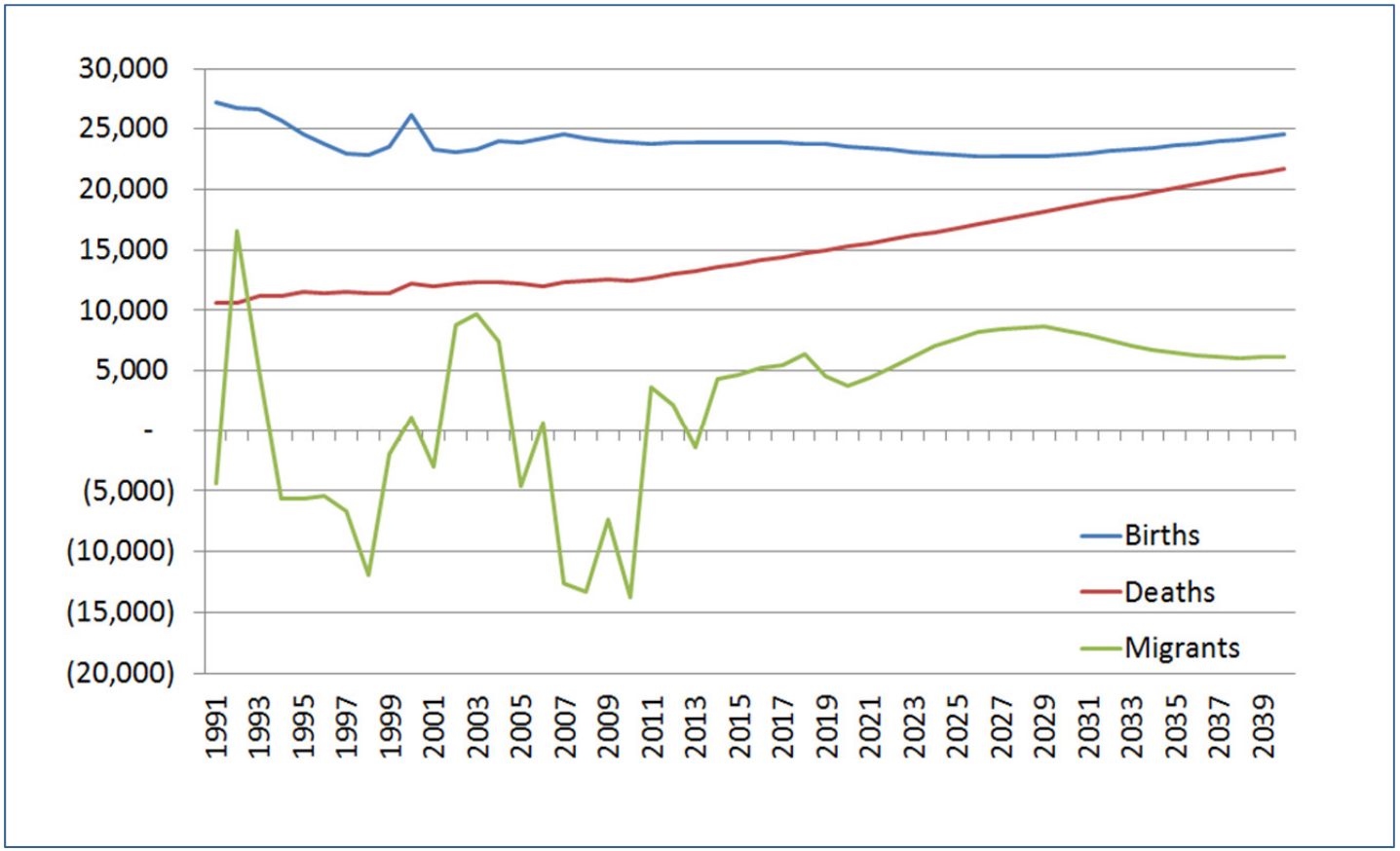
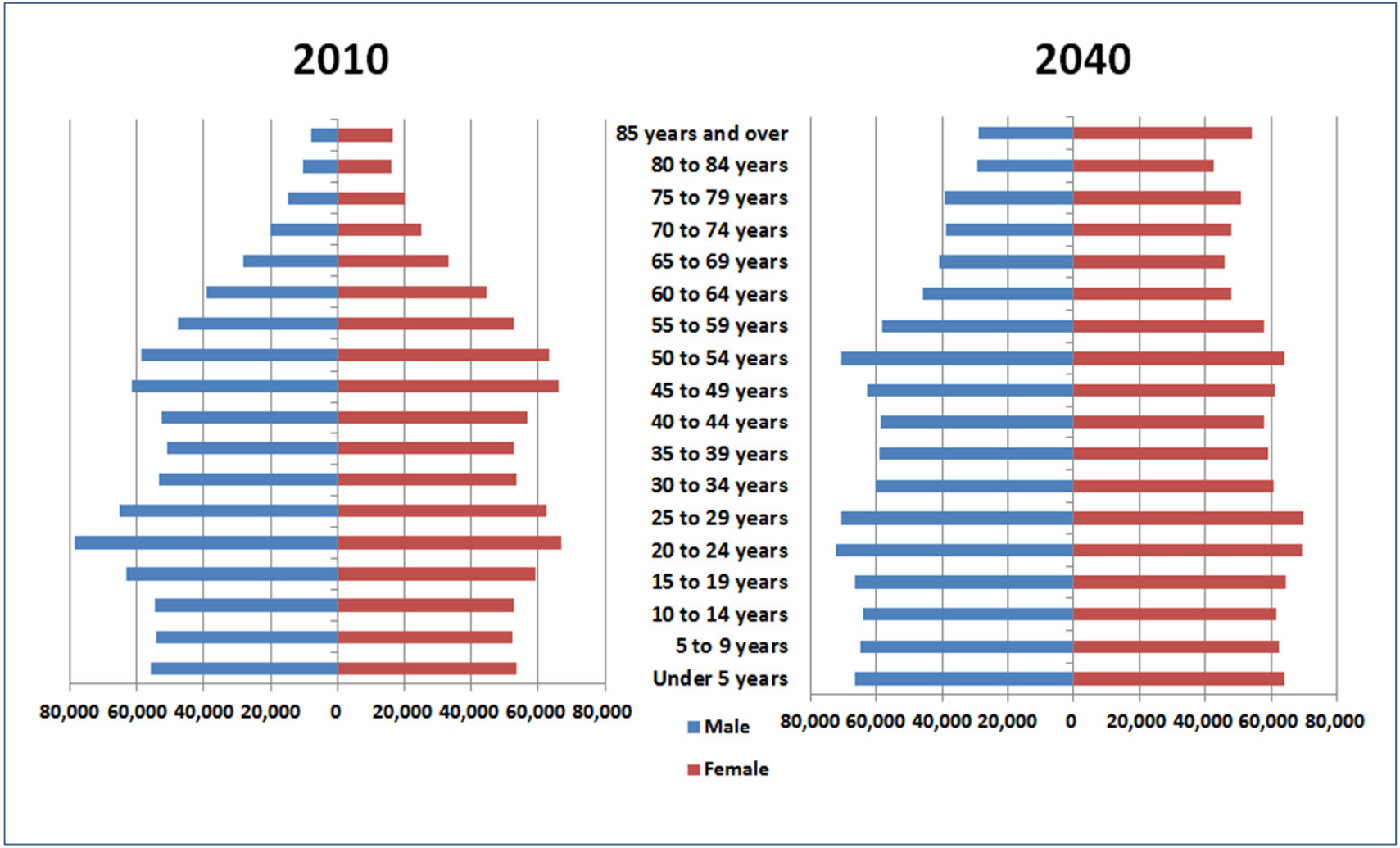


FIGURE 3: HAMPTON ROADS POPULATION HISTOGRAMS



In order to better understand the components of travel demand, the Virginia Department of Transportation (VDOT) divided the employment by place of work category into four super-sectors, namely Retail, Office, Industrial, and Other. These four sectors were categorized by VDOT according to industries as defined by the North American Industrial Classification System. The employment breakdown is illustrated in Figure 4 below.

FIGURE 4: EMPLOYMENT BREAKDOWN FOR HAMPTON ROADS TRAVEL DEMAND MODEL

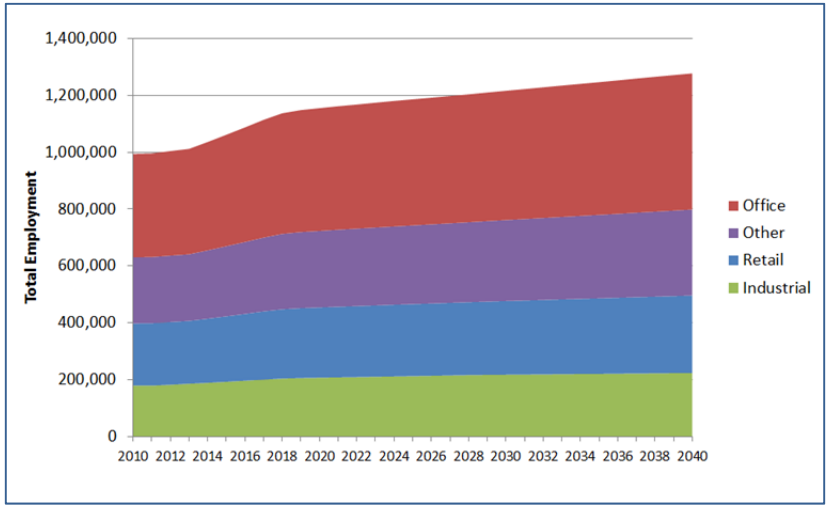
Industry Sector	2-Digit NAICS*	Retail	Office	Industrial	Other
Agriculture, Forestry and Fisheries	11			100%	
Mining	21			100%	
Construction	23		10%	90%	
Manufacturing	31,32,33		10%	80%	10%
Transportation	48		10%	80%	10%
Communications, Utilities	22	10%	10%	70%	10%
Wholesale Trade	42	40%	10%	20%	30%
Retail Trade	44,45	90%	10%		
Warehousing	49	10%	20%	20%	50%
Information	51		60%	10%	30%
Finance, Insurance, Real Estate	52,53,55		100%		
Administration & Support	56	30%	30%	10%	30%
Personal Services	72,81	40%	30%	10%	20%
Entertainment, Recreation	71	30%	10%		60%
Health Services	62	30%	30%	10%	30%
Educational Services	61		20%		80%
Other Professional and Related Services	54		90%		10%
Public Administration	92	10%	40%	20%	30%

* North American Industrial Classification System

Source: VDOT Hampton Roads Model Methodology Report

The REMI model was used to forecast employment growth for each of the four super-sectors, based on projected employment trends.

FIGURE 5: HAMPTON ROADS EMPLOYMENT PROJECTS BY SUB-GROUP



The top-down aspect of the projection was developed only for the population and employment components of the forecast, as the remainder of the forecast categories (number of workers, households, and passenger vehicle registrations) would be dependent on development patterns within the individual localities.

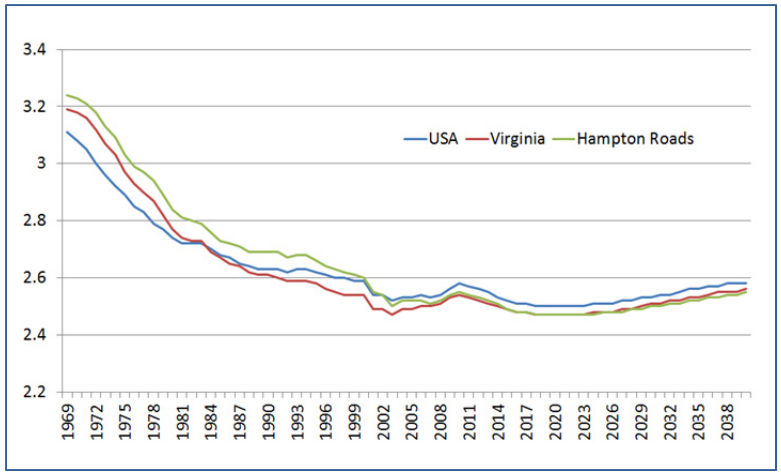
The bottom-up forecast for the localities was developed in two stages. The first stage required a complete understanding of the development assumptions for each of the localities, as is consistent with scenario-based forecasting. To gain an understanding of expected development patterns, staff reviewed each of the locality's Comprehensive Plans and met with planning staff from all sixteen jurisdictions to ensure a full

understanding of the current expectations and assumptions regarding future development. As development does not take place in an even and consistent manner across the region (development horizons may be 5, 10, or 15 years out), the decision was made to forecast only the horizon year and not the intermediary years.[8]

Guided by the information provided by the planning department of each locality, jurisdiction specific forecasts were developed by combining scenario based forecasting with trend extrapolation. Various trend extrapolation techniques were used, depending on the development patterns assumed by each locality. Undisclosed data from the Virginia Employment Commission, the Bureau of Labor Statistics, and the Bureau of Economic Analysis was used in the development of each of the locality projections. The cumulative employment and population totals for the localities were aligned to fit into the regional and sub-regional control totals, thus completing the top-down, bottom up forecast.

In order to determine the estimated number of households for each locality, staff relied on analysis purchased from Woods & Poole Economics, an independent firm based out of Washington D.C. that specializes in long-term county economic and demographic projections. The forecast for households was determined by holding constant the current institutionalized population and dividing the remainder of the population by the Woods & Poole forecast for the projected number of persons-per-household for each locality.

FIGURE 6: PERSONS PER HOUSEHOLD



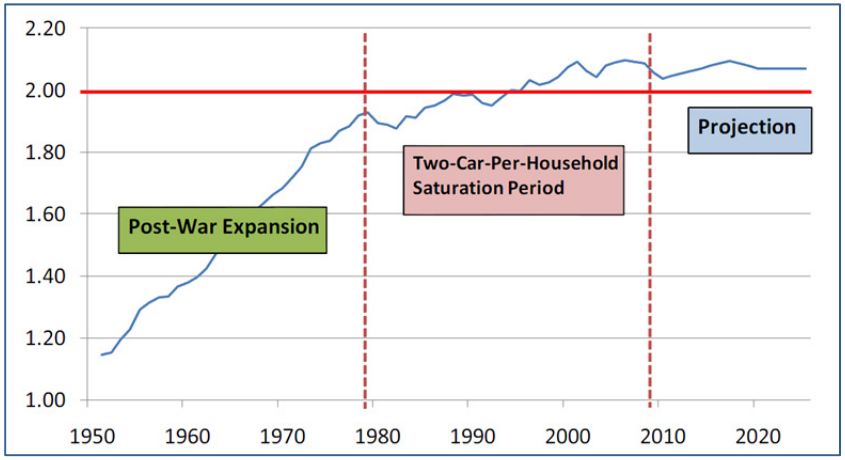
[8] Intermediary estimates are often provided when pure mathematical models are employed as the forecasting technique. Unlike purely mathematical models, scenario based forecasts can recognize that change may not take place in a consistent manner.

The forecast for the number of workers by locality was dependent on each locality's population forecast and by the relationship that currently exists between population and workers within each locality.

Whereas the number of workers was determined to be dependent on population growth, the forecast for the number of vehicle registrations was based on the projected number of households. It is difficult to forecast, with a great deal of certainty, whether the number of vehicles per household will increase in the future, decrease, or remain constant. The Center for Automotive Research forecasts that the number of vehicles per household will level out to 2.07 vehicles by 2025. For the purpose of this forecast, localities that currently had less than 2.07 vehicles per household were projected to increase to 2.07 by 2040, whereas localities with high rates of vehicle ownership were held constant.

An explanation of the methodology along with the completed draft control totals for each locality was presented to the Long-Range Transportation Subcommittee in September of 2012 and to the Transportation Technical Advisory Committee (TTAC) in October of 2012. The control totals were sent out for public review through October of 2012 and recommended for approval by TTAC in November 2012. At its monthly meeting in November, the HRTPO board unanimously approved the locality control totals.

FIGURE 7: VEHICLES PER HOUSEHOLD



Source: Center for Automotive Research

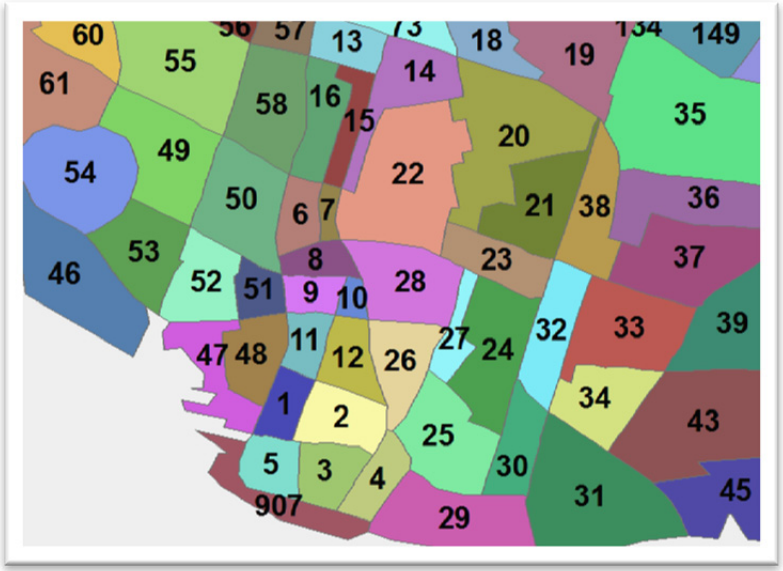
Once the control totals had been formally adopted by the HRTPO Board, each jurisdiction was charged with assigning the 2040 forecast data to the transportation analysis zones (TAZs) within the locality.

TAZ ALLOCATION

The next step in the forecasting process was to allocate forecasted control totals to TAZs, the base geographical unit of analysis for the travel demand model. Hampton Roads is comprised of approximately 1,500 TAZs. Socioeconomic data was allocated to this level to estimate traffic volumes and patterns in an effort to identify current and future deficiencies in the transportation network. These results can be used to identify where road improvements are needed within the region.

As part of the allocation process, control totals for *Households, Total Employment, Retail Employment, Office Employment, Industrial Employment*, and *Other Employment* were distributed to each jurisdiction. Staff from each locality allocated these control totals to their respective TAZs. HRTPO staff then utilized these TAZ allocations to calculate the remaining socioeconomic TAZ totals for *Population, Passenger Vehicles*, and *Workers*.

FIGURE 8: TRANSPORTATION ANALYSIS ZONES



Transportation analysis zones (TAZs) are the base geographical unit of analysis for the travel demand model.

Travel Demand Model

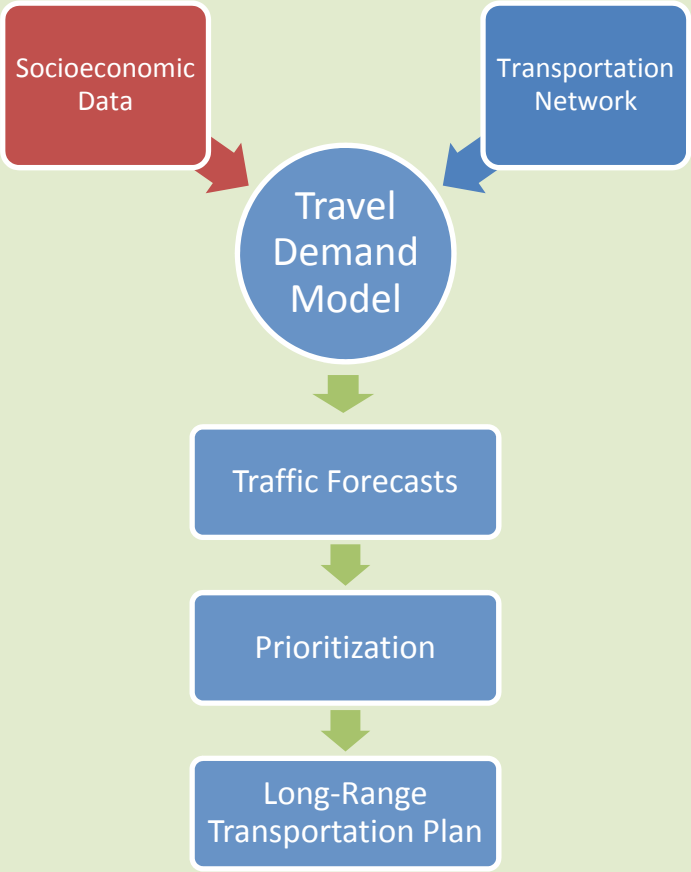
An important analysis tool in transportation planning is the travel demand model. The travel demand model is a computer program designed to simulate travel. The model uses socioeconomic data (households, population, auto ownership, workers, and employment) to estimate traffic volumes and patterns in an effort to identify current and future deficiencies in the transportation network.

Traditional travel demand models use a four-step process:

Trip Generation	• How Many Trips?
Trip Distribution	• Where Will They Go?
Mode Choice	• How Will They Get There?
Trip Assisgnment	• What Route Will They Take?

Trip Generation produces estimates of trip productions (origins) and trip attractions (destinations) by trip purpose (going to work, school, shopping, etc.). Trip Distribution determines where the trips are traveling from and to. Mode Choice decides by what mode the trips will be made (car, bus, light rail, carpool, etc.). Finally, Trip Assignment determines the best route the vehicle trips will take.

Results from the travel demand model are used in the Project Prioritization Tool and the LRTP to help identify where transportation improvements are needed within the region.



Hampton Roads 2040 Socioeconomic Forecast

the heartbeat of HAMPTON ROADS TPO
Transportation Planning Organization

Table 1: Population Totals for Hampton Roads

	1970	1980	1990	2000	2010	Forecast 2040
Southside	**775,253**	**849,550**	**1,018,986**	**1,085,471**	**1,152,606**	**1,454,000**
Chesapeake	89,580	114,486	151,982	199,184	222,209	314,600
Franklin	6,880	7,308	7,864	8,346	8,582	10,800
Isle of Wight Co.	18,285	21,603	25,053	29,728	35,270	62,800
Norfolk	307,951	266,979	261,250	234,403	242,803	253,200
Portsmouth	110,963	104,577	103,910	100,565	95,535	98,200
Southampton Co.	18,582	18,731	17,550	17,482	18,570	25,500
Suffolk	45,024	47,621	52,143	63,677	84,585	182,700
Surry Co.	5,882	6,046	6,145	6,829	7,058	8,700
Virginia Beach	172,106	262,199	393,089	425,257	437,994	497,500
Peninsula	**333,140**	**364,449**	**435,197**	**481,330**	**513,704**	**583,000**
Gloucester Co.	14,059	20,107	30,131	34,780	36,858	40,200
Hampton	120,779	122,617	133,811	138,437*	137,436	137,200
James City Co.	17,853	22,339	34,859	48,102	67,009	104,200
Newport News	138,177	144,903	171,439	180,150	180,719	189,100
Poquoson	5,441	8,726	11,005	11,566	12,150	12,400
Williamsburg	9,069	10,294	11,530	11,998	14,068	17,200
York Co.	27,762	35,463	42,422	56,297	65,464	82,700
Hampton Roads	**1,108,393**	**1,213,999**	**1,454,183**	**1,566,801**	**1,666,310**	**2,037,000**

Source of Historical Data: U.S. Census Bureau (*denotes adjusted value).

2040 Forecast prepared by the HRTPO staff October 2012.

Table 2: Number of Households in Hampton Roads

	1970	1980	1990	2000	2010	Forecast 2040
Southside	**218,088**	**266,353**	**344,456**	**395,619**	**426,133**	**543,700**
Chesapeake	25,178	36,362	52,024	69,900	79,574	114,300
Franklin	2,113	2,591	3,011	3,384	3,530	4,500
Isle of Wight Co.	5,028	7,050	9,031	11,319	13,718	24,700
Norfolk	86,607	74,955	79,518	86,210	86,485	91,500
Portsmouth	34,470	36,796	38,706	38,170	37,324	38,700
Southampton Co.	4,915	5,774	6,004	6,279	6,719	9,500
Suffolk	13,116	15,726	18,518	23,283	30,868	67,800
Surry Co.	1,576	2,002	2,279	2,619	2,826	3,500
Virginia Beach	45,085	85,097	135,365	154,455	165,089	189,200
Peninsula	**92,909**	**124,178**	**159,724**	**183,488**	**199,950**	**229,500**
Gloucester Co.	4,431	7,159	10,957	13,127	14,293	15,700
Hampton	34,564	41,550	49,680	53,887	55,031	55,500
James City Co.	4,551	7,493	12,990	19,003	26,860	42,300
Newport News	39,586	51,310	64,420	69,686	70,664	74,700
Poquoson	NA	2,763	3,763	4,166	4,525	4,700
Williamsburg	2,396	3,024	3,462	3,619	4,571	6,000
York Co.	7,381	10,879	14,452	20,000	24,006	30,600
Hampton Roads	**310,997**	**390,531**	**504,180**	**579,107**	**626,083**	**773,200**

Source of Historical Data: U.S. Census Bureau.

2040 Forecast prepared by the HRTPO staff October 2012.

Table 3: Number of Vehicles in Hampton Roads

	1970	1980	1990	2000	2010	Forecast 2040
Southside	**231,316**	**425,239**	**613,064**	**762,371**	**864,362**	**1,163,000**
Chesapeake	31,108	62,967	101,571	148,000	176,139	252,600
Franklin	1,036	4,341	4,967	5,775	6,368	9,300
Isle of Wight Co.	5,736	12,410	19,248	26,062	33,625	60,500
Norfolk	86,358	114,263	129,858	144,024	153,058	189,400
Portsmouth	35,828	50,267	59,563	63,153	66,352	80,100
Southampton Co.	5,173	9,414	11,879	14,034	16,439	23,300
Suffolk	4,452	24,710	33,816	48,661	67,091	147,100
Surry Co.	1,723	3,599	5,102	6,283	7,370	9,100
Virginia Beach	59,902	143,268	247,060	306,379	337,920	391,600
Peninsula	**110,481**	**192,989**	**279,223**	**357,595**	**412,325**	**493,600**
Gloucester Co.	5,065	12,621	23,125	30,378	35,818	39,400
Hampton	42,797	66,132	87,366	97,982	104,189	114,900
James City Co.	3,958	11,319	22,776	37,423	52,673	87,600
Newport News	44,434	73,756	98,570	127,726	141,874	154,600
Poquoson	NA	5,272	8,470	10,031	11,336	11,800
Williamsburg	4,144	6,531	9,910	9,957	13,018	17,100
York Co.	10,083	17,358	29,006	44,098	53,417	68,200
Hampton Roads	**341,797**	**618,228**	**892,287**	**1,119,966**	**1,276,687**	**1,656,600**

Source of Historical Data: Virginia Department of Motor Vehicles.

2040 Forecast prepared by the HRTPO staff October 2012.

Table 4: Number of Workers in Hampton Roads
(by place of residence)

	1980	1990	2000	2010	Forecast 2040
Southside	**387,154**	**511,022**	**531,417**	**579,237**	**702,200**
Chesapeake	48,649	75,610	96,977	110,539	151,300
Franklin	2,732	3,272	3,337	3,078	3,700
Isle of Wight Co.	9,299	11,637	13,986	17,380	29,900
Norfolk	127,689	130,549	112,083	121,083	122,000
Portsmouth	41,576	44,390	43,922	44,871	44,600
Southampton Co.	7,065	7,255	6,945	8,445	11,200
Suffolk	19,100	22,255	28,372	39,012	81,400
Surry Co.	2,382	2,622	3,147	3,217	3,800
Virginia Beach	128,662	213,432	222,648	231,612	254,300
Peninsula	**165,816**	**212,763**	**229,790**	**250,121**	**282,500**
Gloucester Co.	8,447	14,387	16,952	18,003	19,600
Hampton	54,862	66,008	66,101	66,680	66,500
James City Co.	10,133	17,692	21,922	30,264	47,000
Newport News	67,023	82,662	86,282	90,519	94,700
Poquoson	4,015	5,700	5,658	5,917	6,000
Williamsburg	4,366	4,894	4,239	5,705	7,000
York Co.	16,970	21,420	28,636	33,033	41,700
Hampton Roads	**552,970**	**723,785**	**761,207**	**829,358**	**984,700**

Source of Historical Data: U.S. Census Bureau.

2040 Forecast prepared by the HRTPO staff October 2012.

Table 5: Employment Totals in Hampton Roads
(by place of work)

	1970	1980	1990	2000	2010	Forecast 2040
Southside	**388,716**	**472,753**	**614,446**	**673,958**	**693,844**	**902,300**
Chesapeake	22,566	32,288	62,605	102,765	122,265	167,000
Franklin	3,397	4,091	4,685	5,560	6,182	8,500
Isle of Wight Co.	9,301	11,880	12,133	16,134	15,347	31,000
Norfolk	211,278	230,199	259,481	225,319	210,037	234,200
Portsmouth	48,087	53,996	58,979	52,831	57,414	70,400
Southampton Co.	6,124	5,927	5,461	6,026	5,454	10,700
Suffolk	18,055	19,692	20,660	26,273	33,914	62,900
Surry Co.	3,662	3,073	3,193	2,604	3,161	5,900
Virginia Beach	66,246	111,607	187,249	236,446	240,070	311,700
Peninsula	**153,365**	**190,391**	**256,242**	**289,273**	**300,245**	**375,400**
Gloucester Co.	3,493	6,468	9,700	13,002	14,421	18,200
Hampton	50,259	60,965	76,339	83,361	77,429	89,300
James City Co.	5,646	12,330	19,645	25,943	37,183	58,300
Newport News	75,753	85,370	110,589	115,678	115,265	129,700
Poquoson	999	1,611	2,160	2,674	2,870	3,610
Williamsburg	8,765	12,680	19,133	23,869	19,723	29,000
York Co.	8,450	10,967	18,676	24,746	33,354	47,290
Hampton Roads	**542,081**	**663,144**	**870,688**	**963,231**	**994,089**	**1,277,700**

Source of Historical Data: Bureau of Economic Analysis.

2040 Forecast prepared by the HRTPO staff October 2012.

Table 6: Office Employment in Hampton Roads (by place of work)

	2010	Forecast 2040
Southside	**255,920**	**338,800**
Chesapeake	42,468	60,700
Franklin	2,039	2,800
Isle of Wight Co.	5,010	8,600
Norfolk	78,702	90,300
Portsmouth	19,829	24,900
Southampton Co.	1,406	2,100
Suffolk	10,987	21,700
Surry Co.	753	1,200
Virginia Beach	94,726	126,500
Peninsula	**107,645**	**140,200**
Gloucester Co.	4,686	5,600
Hampton	27,906	33,100
James City Co.	16,445	25,800
Newport News	36,149	40,500
Poquoson	1,013	1,400
Williamsburg	8,360	13,800
York Co.	13,086	20,000
Hampton Roads	**363,565**	**479,000**

Source of Historical Data: Bureau of Economic Analysis.
2040 Forecast prepared by the HRTPO staff October 2012.

Table 7: Retail Employment in Hampton Roads (by place of work)

	2010	Forecast 2040
Southside	**151,657**	**191,500**
Chesapeake	30,553	39,200
Franklin	2,320	2,900
Isle of Wight Co.	3,897	6,600
Norfolk	38,386	44,500
Portsmouth	11,343	13,700
Southampton Co.	752	1,400
Suffolk	8,152	12,700
Surry Co.	459	700
Virginia Beach	55,795	69,800
Peninsula	**66,849**	**81,000**
Gloucester Co.	3,992	5,100
Hampton	17,198	19,400
James City Co.	9,074	11,700
Newport News	22,960	26,600
Poquoson	662	720
Williamsburg	4,389	6,100
York Co.	8,574	11,380
Hampton Roads	**218,506**	**272,500**

Source of Historical Data: Bureau of Economic Analysis.
2040 Forecast prepared by the HRTPO staff October 2012.

Table 8: Industrial Employment in Hampton Roads (by place of work)

	2010	Forecast 2040
Southside	**122,520**	**157,700**
Chesapeake	23,851	29,900
Franklin	755	1,000
Isle of Wight Co.	2,990	8,900
Norfolk	37,918	40,200
Portsmouth	11,884	13,200
Southampton Co.	2,048	4,900
Suffolk	7,173	14,900
Surry Co.	1,451	3,200
Virginia Beach	34,451	41,500
Peninsula	**56,837**	**66,100**
Gloucester Co.	2,834	3,700
Hampton	12,422	13,200
James City Co.	2,443	6,300
Newport News	31,461	33,200
Poquoson	628	640
Williamsburg	405	600
York Co.	6,643	8,460
Hampton Roads	**179,357**	**223,800**

Source of Historical Data: Bureau of Economic Analysis.
2040 Forecast prepared by the HRTPO staff October 2012.

Table 9: Other Employment in Hampton Roads (by place of work)

	2010	Forecast 2040
Southside	**163,747**	**214,300**
Chesapeake	25,394	37,200
Franklin	1,068	1,800
Isle of Wight Co.	3,449	6,900
Norfolk	55,031	59,200
Portsmouth	14,358	18,600
Southampton Co.	1,248	2,300
Suffolk	7,602	13,600
Surry Co.	498	800
Virginia Beach	55,099	73,900
Peninsula	**68,914**	**88,100**
Gloucester Co.	2,910	3,800
Hampton	19,902	23,600
James City Co.	9,221	14,500
Newport News	24,696	29,400
Poquoson	568	850
Williamsburg	6,568	8,500
York Co.	5,050	7,450
Hampton Roads	**232,661**	**302,400**

Source of Historical Data: Bureau of Economic Analysis.
2040 Forecast prepared by the HRTPO staff October 2012.

Overview of 2040 Growth Patterns

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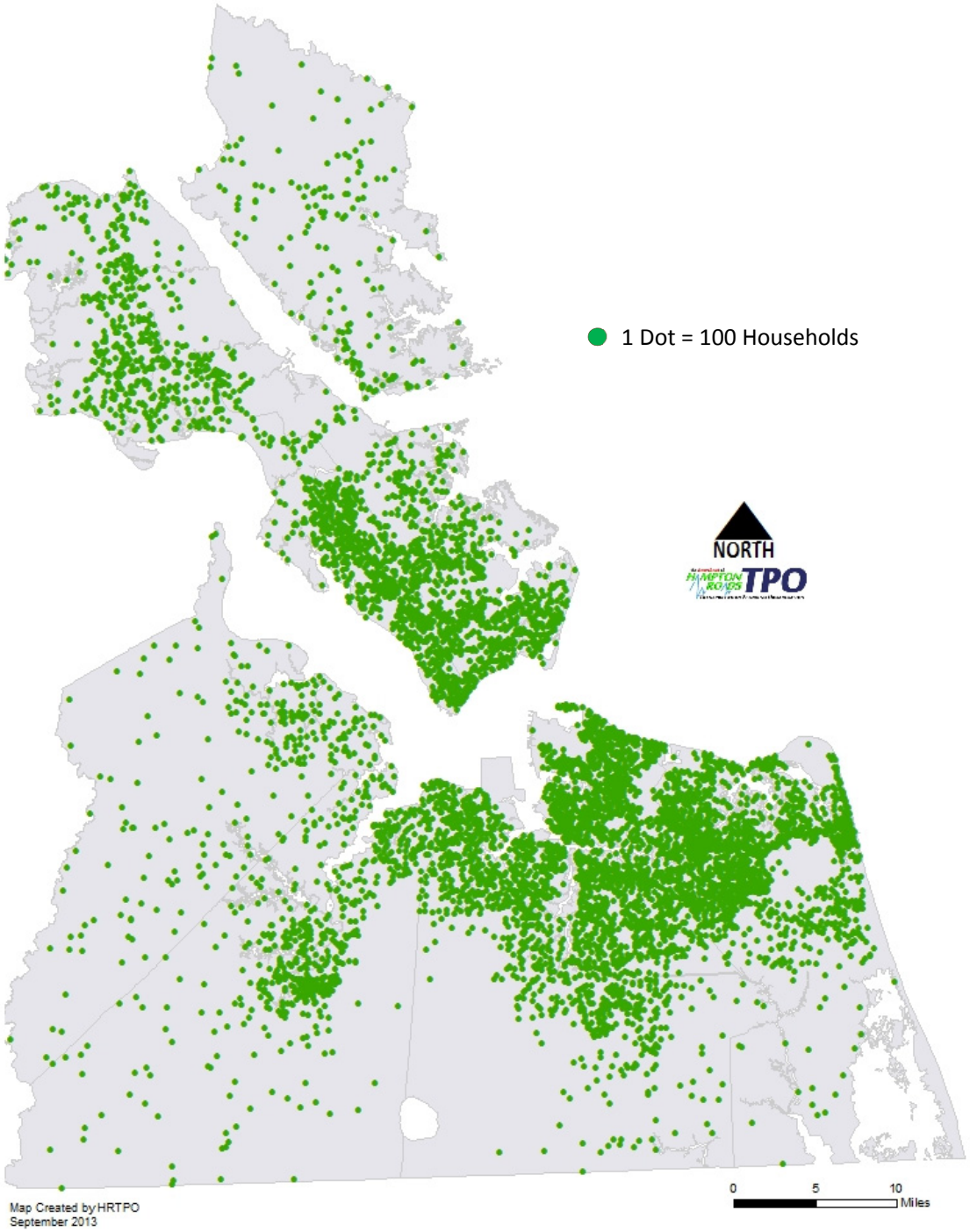
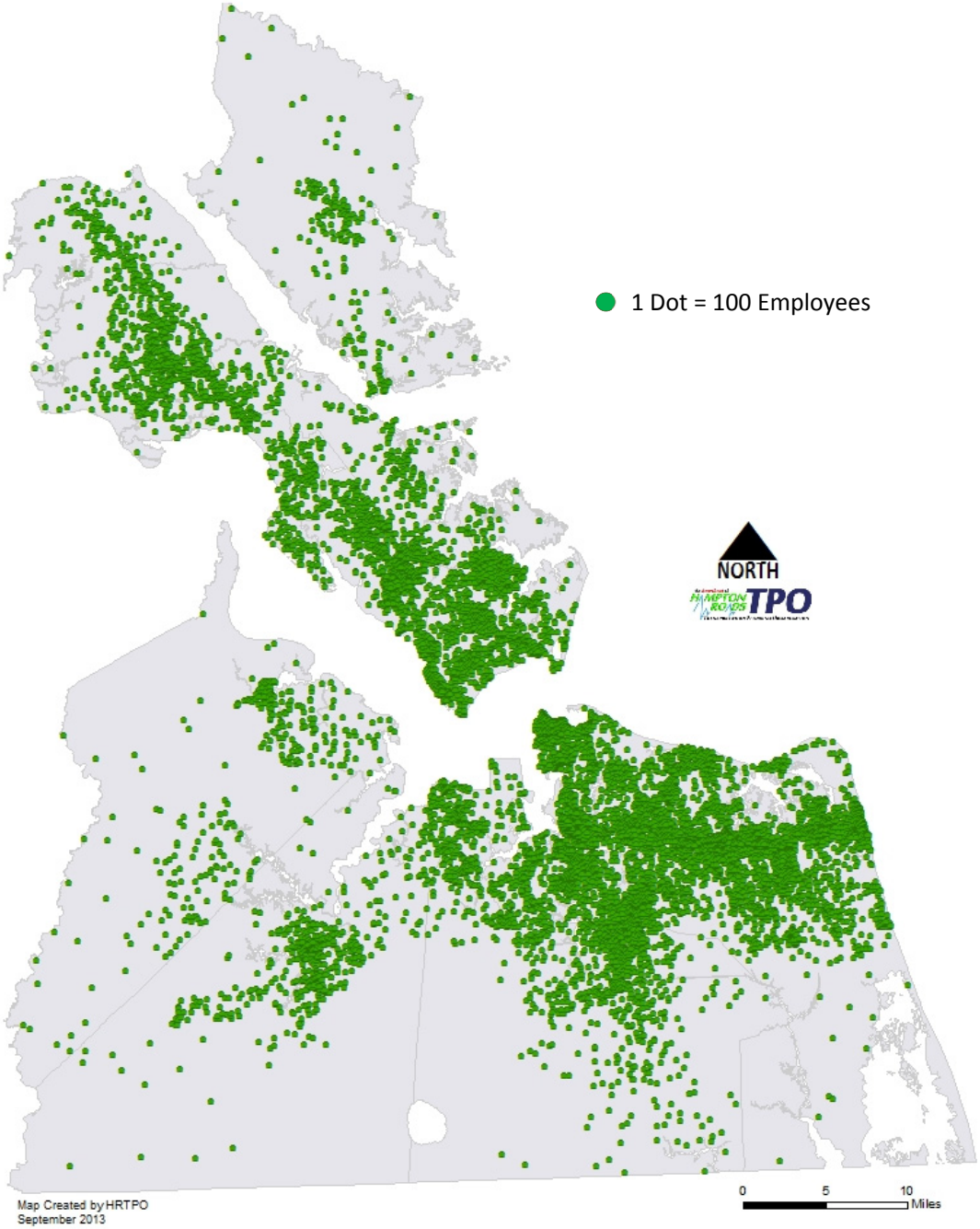
Transportation Planning Organization

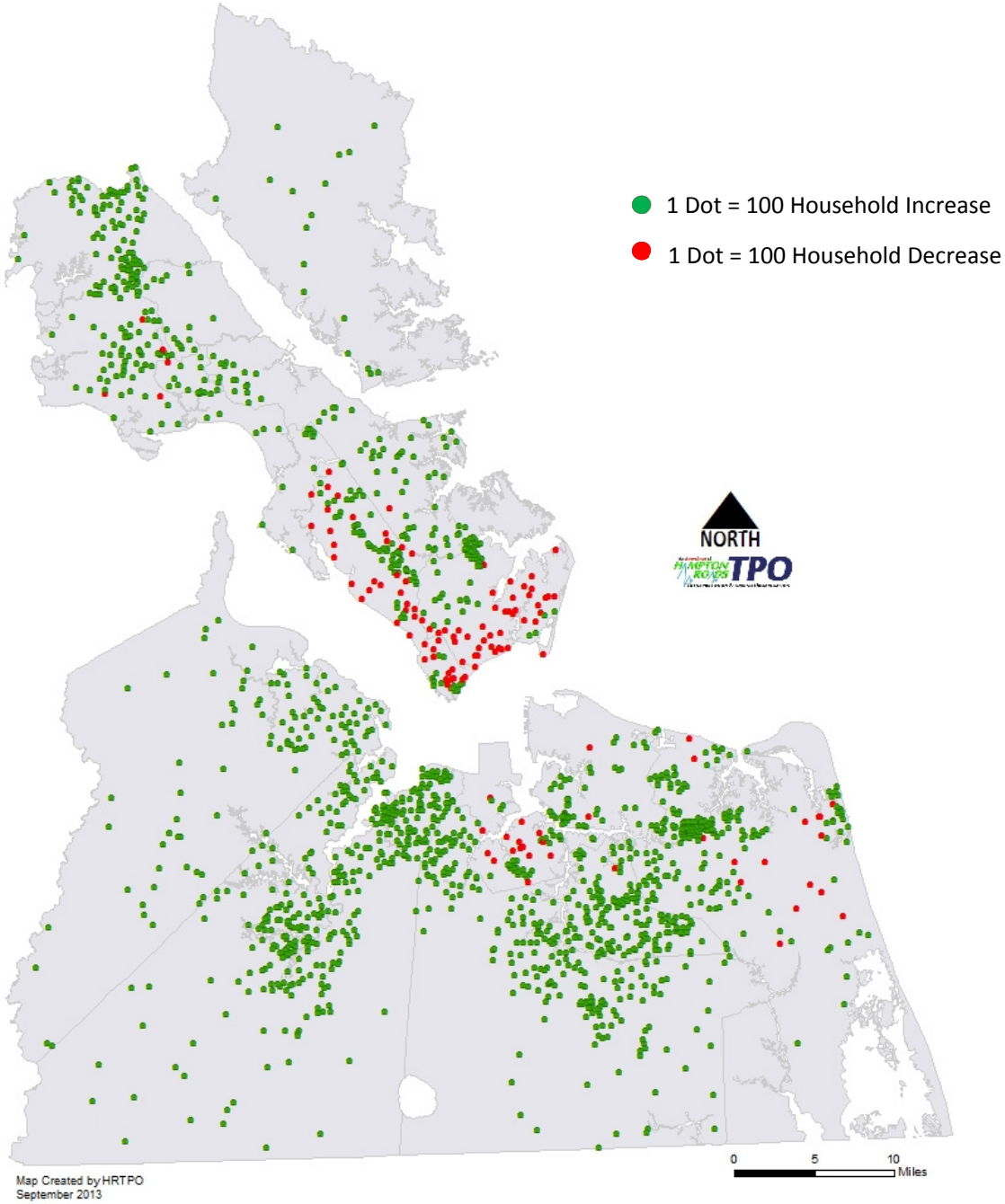
MAP 1: 2040 HOUSEHOLDS



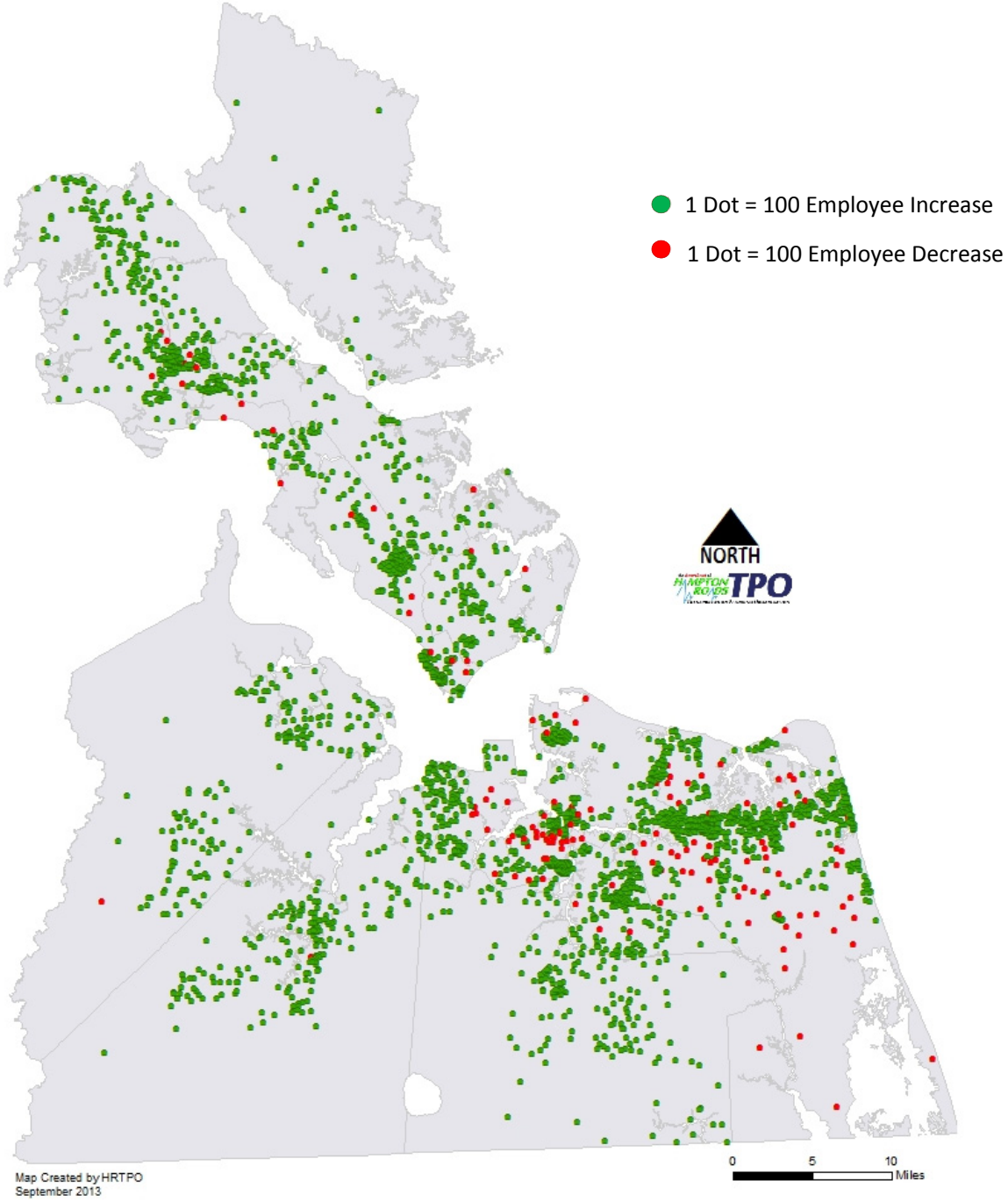
MAP 2: 2040 TOTAL EMPLOYMENT



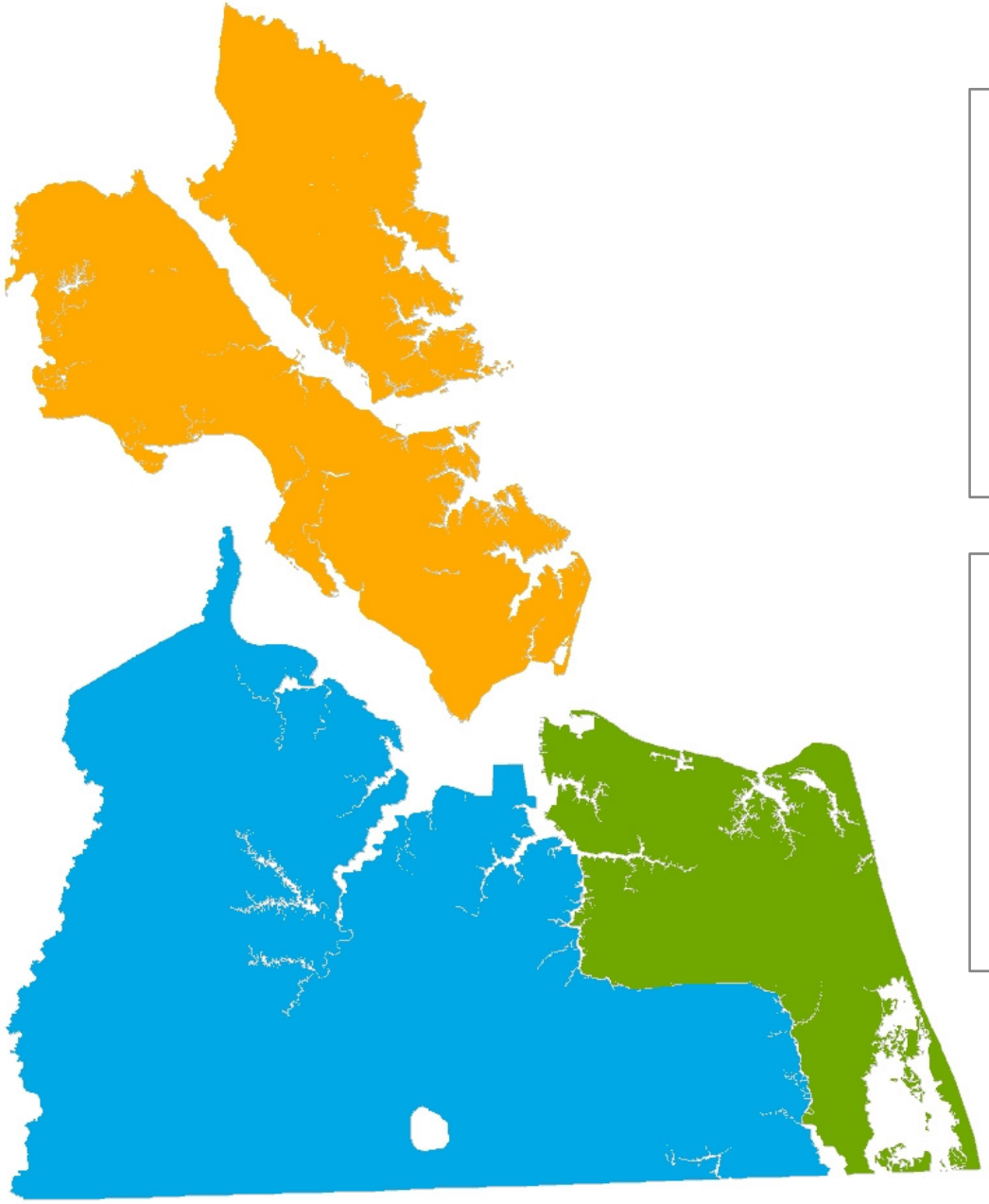
MAP 3: CHANGE IN HOUSEHOLDS, 2009 TO 2040

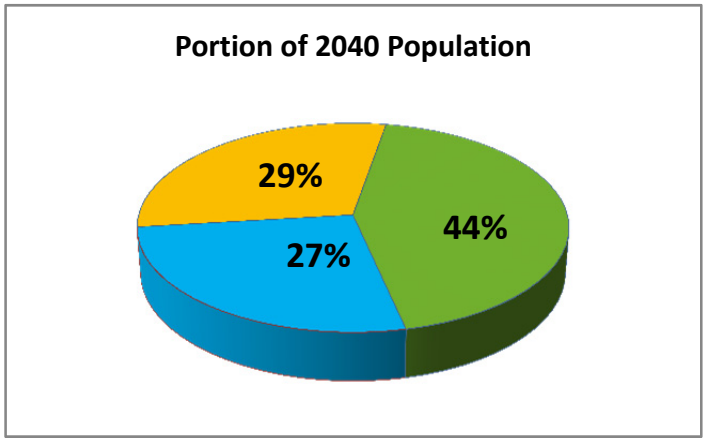


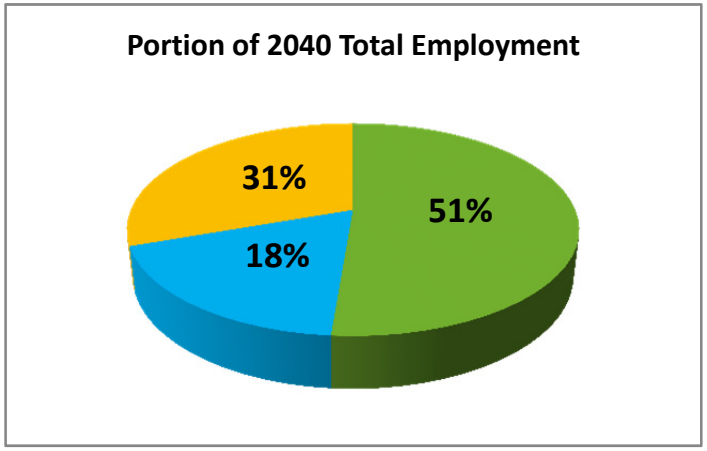
MAP 4: CHANGE IN TOTAL EMPLOYMENT, 2009 TO 2040



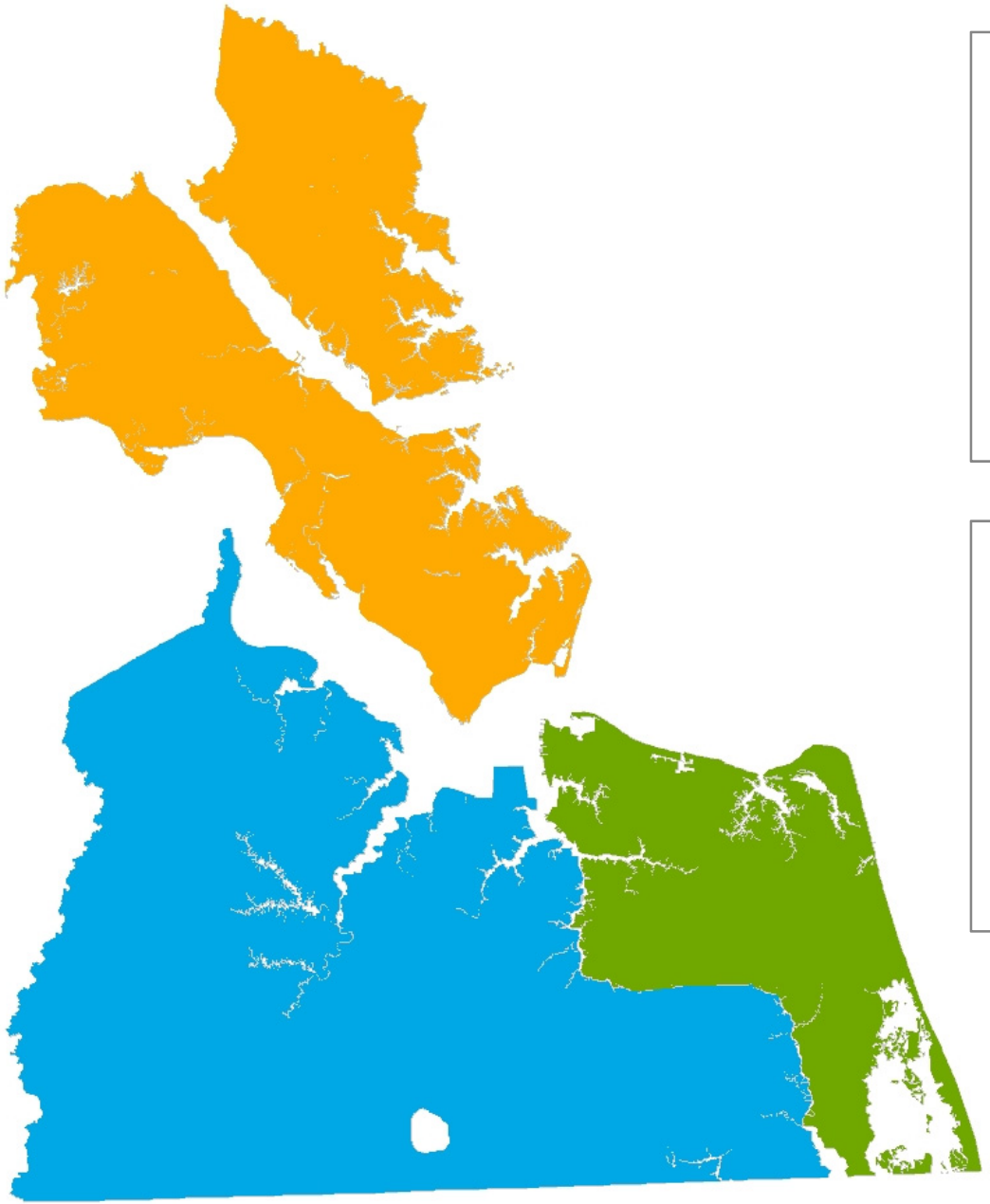
Map 5: Peninsula, East/West Southside Analysis - Population

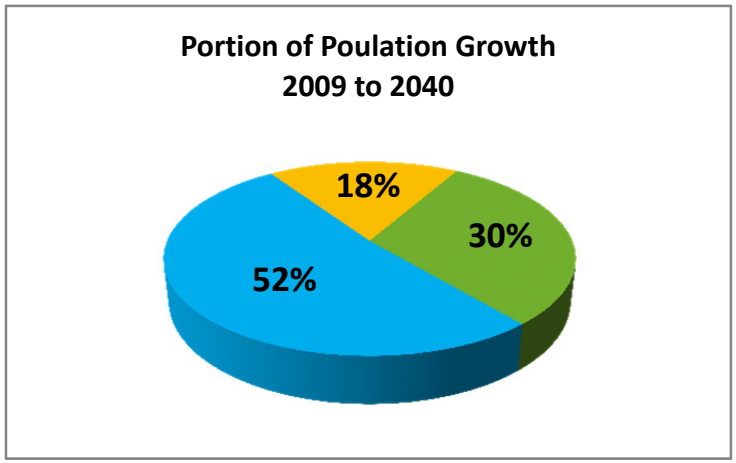


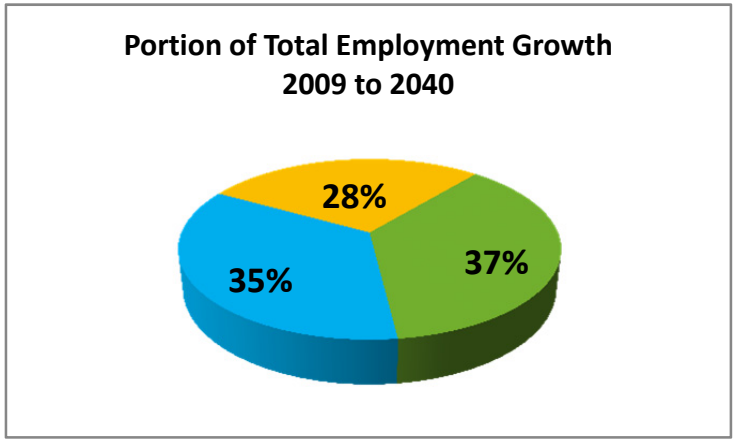




Map 6: Peninsula, East/West Southside Analysis - Employment







2009 and 2040 Socioeconomic Data by Locality and District

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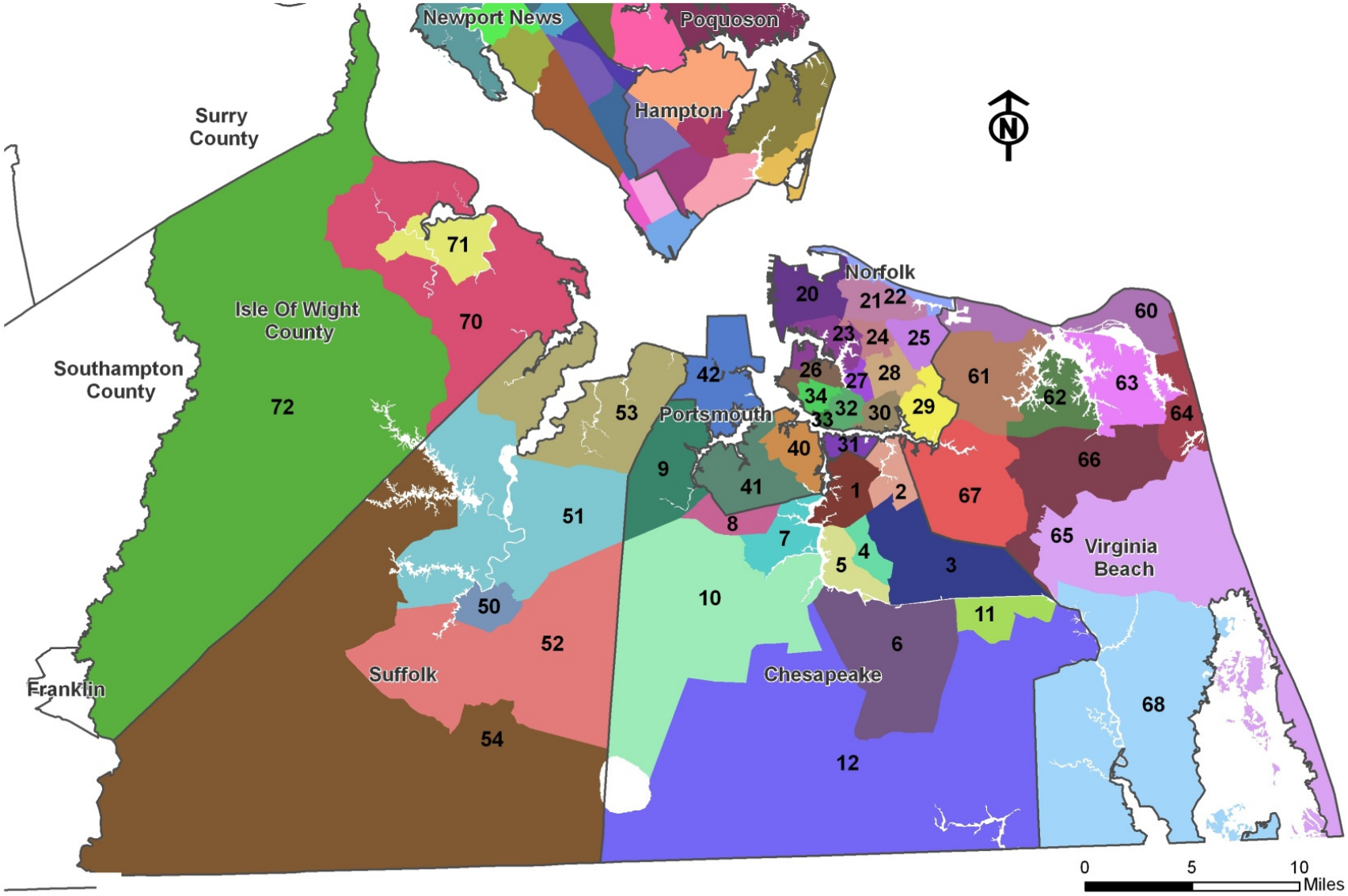
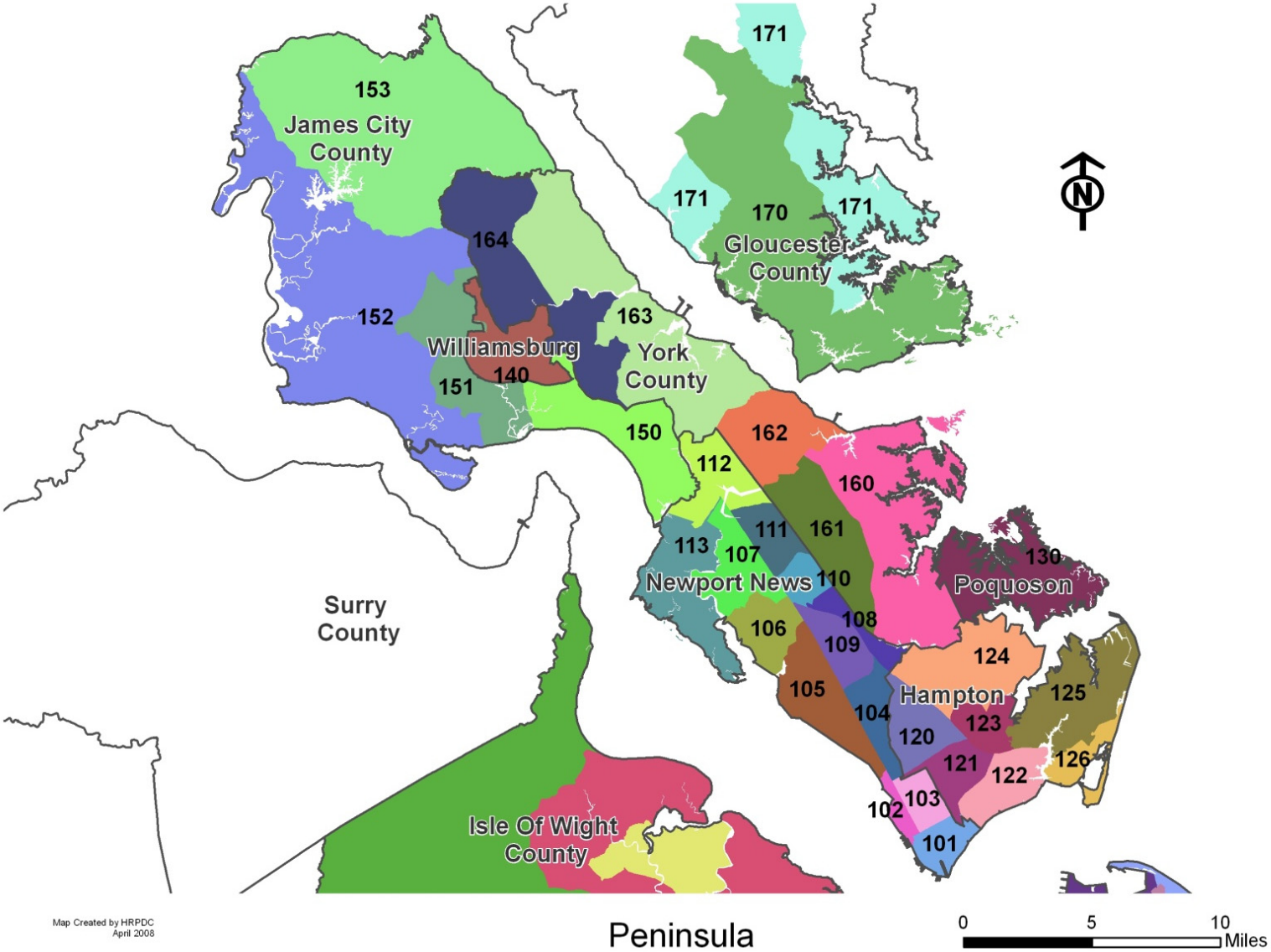
Transportation Planning Organization

MAP 7: HAMPTON ROADS METROPOLITAN PLANNING AREA DISTRICT MAP (SOUTHSIDE)



South Hampton Roads

MAP 8: HAMPTON ROADS METROPOLITAN PLANNING AREA DISTRICT MAP (PENINSULA)



2009 AND 2040 SOCIOECONOMIC DATA
BY DISTRICT AND LOCALITY

District	Name	2009 Pop.	2009 HH	2009 Veh.	2009 Workers	2009 Total Emp.	2009 Retail Emp.	2009 Ind Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 HH	2040 Veh.	2040 Workers	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
1	South Norfolk	24,720	9,647	21,705	10,379	10,773	1,062	4,765	2,386	2,560	27,973	11,142	17,314	10,693	13,484	1,617	4,495	3,760	3,612	3,253	2,711
2	Indian River	21,310	8,122	16,740	10,492	14,531	2,306	3,166	6,390	2,668	22,055	8,560	18,238	10,584	17,910	2,640	3,399	7,896	3,975	745	3,379
3	Greenbrier East	27,444	10,588	22,041	14,338	36,800	11,532	7,220	12,259	5,788	48,871	19,174	42,113	25,330	47,734	14,582	7,461	17,877	7,814	21,427	10,934
4	Greenbrier West	8,584	3,379	6,436	4,470	14,073	1,999	2,224	5,962	3,888	10,721	4,474	8,725	5,257	14,600	2,053	2,065	6,202	4,280	2,137	527
5	Crestwood	10,883	4,498	9,105	5,303	4,506	396	1,772	1,192	1,146	16,287	7,000	12,654	7,485	6,686	865	1,695	2,006	2,120	5,404	2,180
6	Great Bridge	47,682	15,425	42,574	26,278	14,941	2,824	2,596	5,095	4,426	69,356	22,603	55,702	35,213	20,767	4,597	1,368	8,781	6,021	21,675	5,826
7	Deep Creek	13,075	4,681	11,746	6,316	4,692	780	1,345	1,327	1,241	15,735	5,684	12,110	7,150	5,680	950	1,589	1,597	1,544	2,659	988
8	Camelot	9,709	3,272	7,284	4,730	6,410	425	3,385	1,373	1,227	11,372	3,988	8,776	5,417	7,550	449	3,362	1,820	1,919	1,663	1,140
9	Western Branch	29,801	10,735	26,347	16,145	13,146	7,113	951	3,140	1,942	45,007	16,217	40,040	21,802	17,868	9,366	1,133	4,640	2,729	15,207	4,722
10	South Chesapeake	13,862	4,544	12,732	6,981	2,857	827	776	530	725	27,039	9,269	21,237	12,991	6,950	1,237	1,203	2,674	1,836	13,177	4,093
11	S.E. Chesapeake	1,894	628	1,524	981	626	202	164	131	130	3,098	1,001	2,666	1,358	765	246	201	160	158	1,204	139
12	Rural Chesapeake	10,995	3,068	10,589	4,937	3,020	187	1,225	918	691	17,085	5,188	13,025	8,019	7,006	598	1,929	3,287	1,192	6,090	3,986
CHESAPEAKE TOTAL		219,960	78,587	188,823	111,349	126,376	29,652	29,589	40,703	26,432	314,600	114,300	252,600	151,300	167,000	39,200	29,900	60,700	37,200	94,640	40,624
20	Sewells Point	24,348	2,238	5,975	3,114	76,286	1,434	16,216	33,917	24,719	11,059	2,260	5,696	6,082	70,680	2,486	14,366	31,424	22,404	-13,289	-5,606
21	Bay View - East Little Creek	32,647	12,881	24,325	15,281	2,251	599	223	593	836	32,931	13,130	28,252	16,502	2,315	754	229	610	722	284	64
22	Ocean View	20,648	9,307	10,896	9,732	1,954	841	195	453	464	20,573	9,675	16,772	11,404	2,095	1,051	209	486	350	-74	141
23	Lafayette River	25,532	10,781	16,943	11,323	9,202	296	1,241	3,173	4,492	26,963	11,000	22,940	12,386	9,490	538	1,196	3,272	4,483	1,431	288
24	Denby Park	15,047	5,858	8,844	6,424	7,933	2,635	1,112	2,410	1,776	15,016	5,870	9,670	6,946	8,350	3,890	981	2,537	942	-31	417
25	Larrymore / Airport	10,327	3,919	8,707	4,132	4,453	1,354	870	1,396	833	10,115	4,015	8,342	4,748	4,595	2,055	725	1,441	374	-212	142
26	Lambert's Point	14,807	5,156	6,937	6,705	5,726	822	738	1,358	2,808	16,563	5,775	10,546	8,024	6,005	1,724	545	1,424	2,312	1,756	279
27	Lafayette - Ballentine	9,884	3,705	6,904	4,620	1,538	219	487	367	466	10,009	3,815	7,448	4,600	1,575	431	355	376	414	125	37
28	Norview - River Oaks	21,929	8,169	15,720	10,422	13,721	2,629	3,062	5,001	3,029	22,228	8,515	18,521	11,826	13,975	4,445	2,048	5,094	2,388	299	254
29	Lake Taylor	14,093	4,845	10,095	6,273	23,440	5,840	3,945	8,115	5,540	14,170	5,380	12,129	7,268	27,635	9,728	3,105	9,567	5,235	76	4,195
30	Chesterfield - Ingleside	10,105	3,582	5,422	3,656	11,754	1,304	4,356	3,660	2,434	11,866	3,880	7,708	5,284	12,100	2,535	3,234	3,768	2,563	1,761	346
31	Berkley - Campostella	7,372	2,588	3,475	2,439	7,484	271	5,000	1,101	1,113	8,001	2,865	3,284	2,242	7,625	495	4,526	1,122	1,482	629	141
32	Brambleton - Huntersville	16,101	5,658	6,275	4,535	11,451	1,087	2,218	4,923	3,223	16,268	5,865	4,734	3,928	12,100	1,742	1,563	5,202	3,593	168	649
33	Downtown	3,168	905	1,626	1,314	24,449	2,827	3,656	13,281	4,685	6,558	2,775	7,391	2,243	29,850	6,954	3,131	15,414	4,351	3,390	5,401
34	Ghent	11,616	5,626	7,066	6,076	25,022	3,010	4,581	8,303	9,128	30,880	6,680	25,967	18,518	25,810	5,673	3,987	8,564	7,586	19,263	788
NORFOLK TOTAL		237,624	85,218	139,210	96,048	226,664	25,168	47,900	88,051	65,545	253,200	91,500	189,400	122,000	234,200	44,500	40,200	90,300	59,200	15,576	7,536
40	Downtown	21,834	8,937	11,129	8,408	30,925	1,964	7,704	12,059	9,198	22,704	9,185	12,780	8,223	49,586	5,483	10,351	20,207	13,545	870	18,661
41	Manor	48,934	19,987	36,245	22,109	20,441	3,320	3,981	6,832	6,309	49,987	19,664	42,563	22,726	14,722	6,325	1,596	3,187	3,614	1,053	-5,719
42	Churchland	27,383	9,873	21,036	14,142	6,536	1,044	1,217	1,679	2,596	25,509	9,850	24,758	13,651	6,091	1,891	1,253	1,506	1,441	-1,874	-445
PORTSMOUTH TOTAL		98,152	38,797	68,410	44,659	57,903	6,328	12,902	20,570	18,103	98,200	38,700	80,100	44,600	70,400	13,700	13,200	24,900	18,600	48	12,498
50	Downtown	17,674	6,973	13,399	7,049	8,998	710	2,811	3,238	2,239	21,565	8,375	12,229	7,444	10,815	1,485	1,990	4,705	2,635	3,891	1,817
51	Middle Suffolk	20,526	6,992	15,907	9,688	14,160	2,916	2,253	4,383	4,608	53,221	19,370	43,144	24,110	24,145	5,015	4,855	8,745	5,530	32,695	9,985
52	Southern Suffolk	7,080	2,817	7,583	3,456	2,324	535	748	511	530	16,785	6,505	14,628	8,477	5,430	1,005	2,475	905	1,045	9,705	3,106
53	Northern Suffolk	26,613	9,040	24,015	13,077	7,576	1,921	1,091	2,610	1,954	71,207	26,005	59,434	32,187	17,010	4,920	1,830	6,705	3,555	44,594	9,434
54	Rural S.W. Suffolk	11,114	4,372	13,737	5,268	1,854	101	785	396	571	19,922	7,545	17,665	9,183	5,500	275	3,750	640	835	8,808	3,646
SUFFOLK TOTAL		83,007	30,194	74,641	38,539	34,911	6,183	7,688	11,138	9,902	182,700	67,800	147,100	81,400	62,900	12,700	14,900	21,700	13,600	99,693	27,989
60	Bayfront	23,421	9,475	15,936	10,237	19,835	2,415	3,704	8,032	5,683	23,420	9,980	19,501	13,590	22,331	2,805	2,184	11,472	5,870	-1	2,496
61	Bayside	59,568	23,677	49,947	27,259	42,594	6,401	8,826	18,019	9,348	87,318	36,380	64,491	42,735	57,552	11,540	8,158	26,273	11,581	27,750	14,958
62	Little Neck	28,945	11,666	22,938	14,575	24,017	8,476	2,397	9,771	3,374	38,255	15,960	32,707	20,572	37,425	11,720	2,145	18,095	5,465	9,310	13,408
63	Great Neck	37,627	15,619	29,444	19,009	24,463	5,473	3,099	8,677	7,214	36,985	15,345	30,580	18,595	29,846	7,740	3,164	11,351	7,591	-642	5,383
64	Oceanfront	27,052	13,209	23,772	14,785	14,294	7,630	1,194	3,160	2,310	30,151	14,965	26,515	16,868	25,368	10,210	1,603	5,904	7,651	3,098	11,074
65	Courthouse / Sandbridge	64,206	20,672	44,044	31,477	29,155	5,481	4,260	9,728	9,686	66,980	21,320	50,891	32,716	28,891	5,665	2,800	10,146	10,280	2,775	-264
66	Holland / Oceana	86,624	30,074	59,396	43,263	61,611	10,536	15,373	21,547	14,155	90,617	31,439	66,849	47,123	65,239	11,650	16,912	22,586	14,091	3,993	3,628
67	Kempsville	101,948	35,757	71,225	54,206	42,537	6,071	5,577	20,312	10,577	117,808	41,576	94,872	59,217	44,031	8,320	4,041	20,479	11,191	15,860	1,494
68	Rural Va. Beach	5,019	1,857	5,728	2,915	1,561	165	860	281	255	5,966	2,235	5,193	2,883	1,017	150	493	194	180	947	-544
VA. BEACH TOTAL		434,410	162,006	322,430	217,725	260,066	52,649	45,290	99,527	62,601	497,500	189,200	391,600	254,300	311,700	69,800	41,500	126,500	73,900	63,090	51,634
70	Northern Isle of Wight	11,411	4,729	14,467	6,182	2,716	840	523	697	657	27,527	10,835	27,032	12,950	9,282	3,536	1,354	2,941	1,451	16,116	6,566
71	Smithfield	9,202	3,590	13,055	4,456	8,099	1,104	2,599	1,765	2,631	12,020	4,733	10,697	5,755	10,311	1,685	3,056	2,731	2,839	2,818	2,212
72	South & West Isle of Wight	14,385	5,529	18,274	7,491	6,475	689	1,768	1,603	2,415	23,253	9,132	22,771	11,195	11,407	1,379	4,490	2,928	2,610	8,868	4,932
ISLE OF WIGHT CO. TOTAL		34,998	13,848	45,796	18,129	17,290	2,633	4,890	4,065	5,702	62,800	24,700	60,500	29,900	31,000	6,600	8,900	8,600	6,900	27,802	13,710
SOUTH HAMPTON ROADS TOTAL		**1,108,150**	**408,650**	**839,310**	**526,449**	**723,211**	**122,612**	**148,259**	**264,054**	**188,285**	**1,409,000**	**526,200**	**1,121,300**	**683,500**	**877,200**	**186,500**	**148,600**	**332,700**	**209,399**	300,850	153,990

Prepared By: HRTPO
September 2013
2009&2040_TAZ_Data_09.13.13

2009 AND 2040 SOCIOECONOMIC DATA
BY DISTRICT AND LOCALITY

District	Name	2009 Pop.	2009 HH	2009 Veh.	2009 Workers	2009 Total Emp.	2009 Retail Emp.	2009 Ind Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 HH	2040 Veh.	2040 Workers	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
101	Southeast	20,082	7,629	9,656	6,573	8,042	376	1,951	3,100	2,616	20,105	8,006	10,243	7,235	12,427	1,523	1,836	4,885	3,776	23	4,385
102	Huntington	2,802	1,293	1,948	1,421	28,379	245	11,635	10,011	6,488	2,568	1,193	2,255	1,204	18,965	129	13,478	2,789	2,173	-234	-9,414
103	Copeland - Briarfield	11,133	4,898	8,286	5,175	4,644	1,159	1,444	1,131	910	9,908	4,193	6,565	4,130	4,992	469	2,423	1,129	902	-1,225	348
104	Sedgefield - Morrison	17,027	6,861	14,198	8,380	6,033	1,449	1,041	1,795	1,749	16,437	6,534	15,051	8,401	6,140	1,962	992	1,659	1,680	-589	106
105	Hilton - Riverside	25,098	10,618	20,904	12,382	12,809	1,744	1,950	4,341	4,774	26,248	10,313	25,277	13,375	14,578	2,224	1,789	4,830	5,355	1,150	1,770
106	Menchville	19,544	7,280	17,543	10,123	1,733	274	264	609	586	19,521	7,230	18,445	9,856	2,145	422	286	832	577	-23	412
107	Denbigh	28,860	10,958	20,742	14,030	4,468	1,747	506	1,164	1,051	30,115	11,267	25,174	15,647	4,830	2,136	568	1,150	1,246	1,255	362
108	Harpersville - Kiln Creek	12,837	5,750	9,205	6,421	2,638	1,271	172	641	554	11,620	5,132	10,317	6,425	2,876	1,602	193	705	622	-1,217	238
109	Oyster Point	11,938	5,750	6,967	6,080	22,371	6,358	3,567	8,893	3,554	15,366	7,889	13,933	8,674	31,834	8,759	4,931	13,352	5,206	3,428	9,462
110	Patrick Henry	3,169	1,426	1,537	1,411	7,315	2,967	1,504	1,554	1,290	3,100	1,688	2,531	1,547	8,647	3,836	1,888	1,961	1,527	-69	1,332
111	Richneck	20,768	7,886	15,509	10,672	4,953	1,032	1,130	1,469	1,322	21,657	7,983	17,075	11,483	5,850	1,634	1,293	1,627	1,403	889	897
112	Endview - Lee Hall	3,663	1,342	2,493	1,476	4,241	323	1,725	898	1,295	5,010	1,905	4,051	2,659	6,322	1,314	2,533	1,022	1,526	1,347	2,081
113	Fort Eustis	5,670	1,054	2,206	628	11,943	496	2,555	5,038	3,854	7,445	1,368	3,681	4,063	10,095	588	990	4,560	3,408	1,775	-1,848
NEWPORT NEWS TOTAL		182,591	72,745	131,194	84,772	119,569	19,439	29,444	40,644	30,042	189,100	74,700	154,600	94,700	129,700	26,600	33,200	40,500	29,400	6,509	10,131
120	Northampton	22,489	8,717	20,054	11,317	6,054	2,570	362	1,781	1,341	24,756	9,192	22,932	13,256	6,942	3,582	283	2,134	1,531	2,267	888
121	Westhampton	12,514	4,813	10,025	5,395	8,098	2,398	2,897	1,323	1,480	10,159	4,032	9,505	4,636	9,308	3,325	2,279	1,588	1,658	-2,355	1,210
122	Wythe - Southampton	25,448	9,816	17,651	11,232	13,776	1,347	4,082	4,952	3,395	22,291	8,499	16,105	9,584	15,574	1,846	3,148	5,925	3,825	-3,157	1,797
123	Mercury Central	12,190	5,467	7,394	4,986	11,807	4,708	1,457	3,740	1,902	12,358	5,753	11,500	6,773	13,843	6,614	1,146	4,690	2,237	168	2,035
124	N.W. Quadrant - Magruder	14,068	4,204	9,307	6,873	27,856	888	6,166	12,059	8,744	13,736	8,933	10,842	7,363	28,017	1,212	4,600	13,121	9,127	-332	161
125	N.E. Quadrant - Fox Hill	42,852	16,655	35,333	20,921	7,472	1,512	983	2,515	2,462	38,318	13,896	33,088	18,455	7,769	2,000	729	2,572	2,461	-4,534	297
126	Buckroe - Phoebus	15,186	4,917	8,093	5,589	7,020	590	1,315	2,613	2,502	15,582	5,195	10,928	6,433	7,848	821	1,014	3,070	2,761	396	828
HAMPTON TOTAL		144,748	54,589	107,857	66,314	82,083	14,014	17,262	28,983	21,825	137,200	55,500	114,900	66,500	89,300	19,400	13,200	33,100	23,600	-7,548	7,217
130	**POQUOSON TOTAL**	11,881	4,387	13,468	6,209	2,515	662	381	803	669	12,400	4,700	11,800	6,000	3,610	720	640	1,400	850	519	1,095
140	**WILLIAMSBURG TOTAL**	13,568	4,153	7,730	4,847	24,742	7,655	4,135	5,772	7,180	17,200	6,000	17,100	7,000	29,000	6,100	600	13,800	8,500	3,633	4,258
150	Grove	9,917	4,073	8,312	3,940	11,106	1,956	2,150	4,498	2,503	11,428	4,613	10,383	5,397	12,563	1,785	2,172	4,667	3,939	1,511	1,457
151	Lake Powell	17,358	7,151	13,936	8,031	11,913	3,886	1,380	4,257	2,391	21,698	9,312	15,174	7,983	16,710	3,827	754	8,265	3,864	4,340	4,797
152	Jolly Pond	25,072	9,940	25,964	12,550	9,783	3,362	1,147	2,840	2,434	32,260	13,159	29,711	14,773	12,169	3,179	500	5,044	3,446	7,188	2,386
153	Toano	11,344	4,169	12,107	6,175	6,463	1,401	1,599	1,931	1,533	38,814	15,216	32,332	18,846	16,858	2,909	2,874	7,824	3,251	27,469	10,395
JAMES CITY CO. TOTAL		63,692	25,332	60,319	30,695	39,266	10,604	6,276	13,526	8,860	104,200	42,300	87,600	47,000	58,300	11,700	6,300	25,800	14,500	40,508	19,034
160	Tabb / Grafton	43,079	14,591	39,569	19,886	12,120	2,630	2,651	3,635	3,204	49,556	17,626	40,227	25,907	15,301	3,306	3,401	5,754	2,840	6,476	3,181
161	Watershed Area	8,343	3,026	7,071	4,013	5,552	1,198	1,403	1,909	1,042	9,934	4,038	9,626	5,135	7,052	1,686	1,764	2,876	726	1,591	1,500
162	Yorktown	2,767	939	1,883	1,020	1,621	660	359	371	231	4,170	1,546	2,827	1,576	2,746	647	494	600	1,005	1,403	1,125
163	Federal Property	563	146	630	197	1,782	33	383	822	544	925	290	564	454	4,359	40	516	2,410	1,393	363	2,577
164	Williamsburg Area	11,255	4,015	10,218	5,240	11,981	4,187	1,702	3,845	2,248	18,115	7,100	14,956	8,627	17,832	5,701	2,285	8,360	1,486	6,860	5,851
YORK CO. TOTAL		66,007	22,717	59,371	30,356	33,056	8,708	6,498	10,582	7,268	82,700	30,600	68,200	41,700	47,290	11,380	8,460	20,000	7,450	16,694	14,234
170	Rte. 17 Corridor	18,734	7,494	23,845	10,285	13,129	3,312	1,837	4,128	3,852	20,779	8,242	19,100	9,736	15,520	4,776	2,600	4,940	3,204	2,046	2,392
171	E/W Gloucester	5,789	2,155	6,870	3,160	601	48	156	185	212	6,393	2,328	5,739	2,904	680	54	228	221	176	604	78
GLOUCESTER CO. (MPA) TOTAL[1]		24,523	9,650	30,715	13,445	13,730	3,360	1,993	4,313	4,064	27,172	10,570	24,838	12,640	16,200	4,831	2,828	5,161	3,380	2,650	2,470
PENINSULA TOTAL		**507,009**	**193,573**	**410,654**	**236,638**	**314,962**	**64,442**	**65,989**	**104,623**	**79,908**	**569,972**	**224,370**	**479,038**	**275,540**	**373,400**	**80,731**	**65,228**	**139,761**	**87,680**	62,964	58,438
HR TRANS. MPA[1] TOTAL		**1,615,159**	**602,224**	**1,249,964**	**763,087**	**1,038,172**	**187,054**	**214,248**	**368,677**	**268,193**	**1,978,972**	**750,570**	**1,600,338**	**959,040**	**1,250,600**	**267,230**	**213,828**	**472,462**	**297,079**	363,814	212,428
172	Rural Gloucester	12,116	4,683	13,235	6,683	1,645	216	558	367	504	13,028	5,130	14,562	6,960	2,001	269	872	439	420	912	355
GLOUCESTER CO. TOTAL		36,638	14,332	43,950	20,128	15,375	3,576	2,551	4,680	4,568	40,200	15,700	39,400	19,600	18,201	5,100	3,700	5,600	3,800	3,562	2,825
HR TOTAL REGIONAL MODELING AREA[2]		**1,627,274**	**606,906**	**1,263,199**	**769,770**	**1,039,818**	**187,271**	**214,806**	**369,044**	**268,697**	**1,992,000**	**755,700**	**1,614,900**	**966,000**	**1,252,601**	**267,499**	**214,700**	**472,901**	**297,500**	364,726	212,783

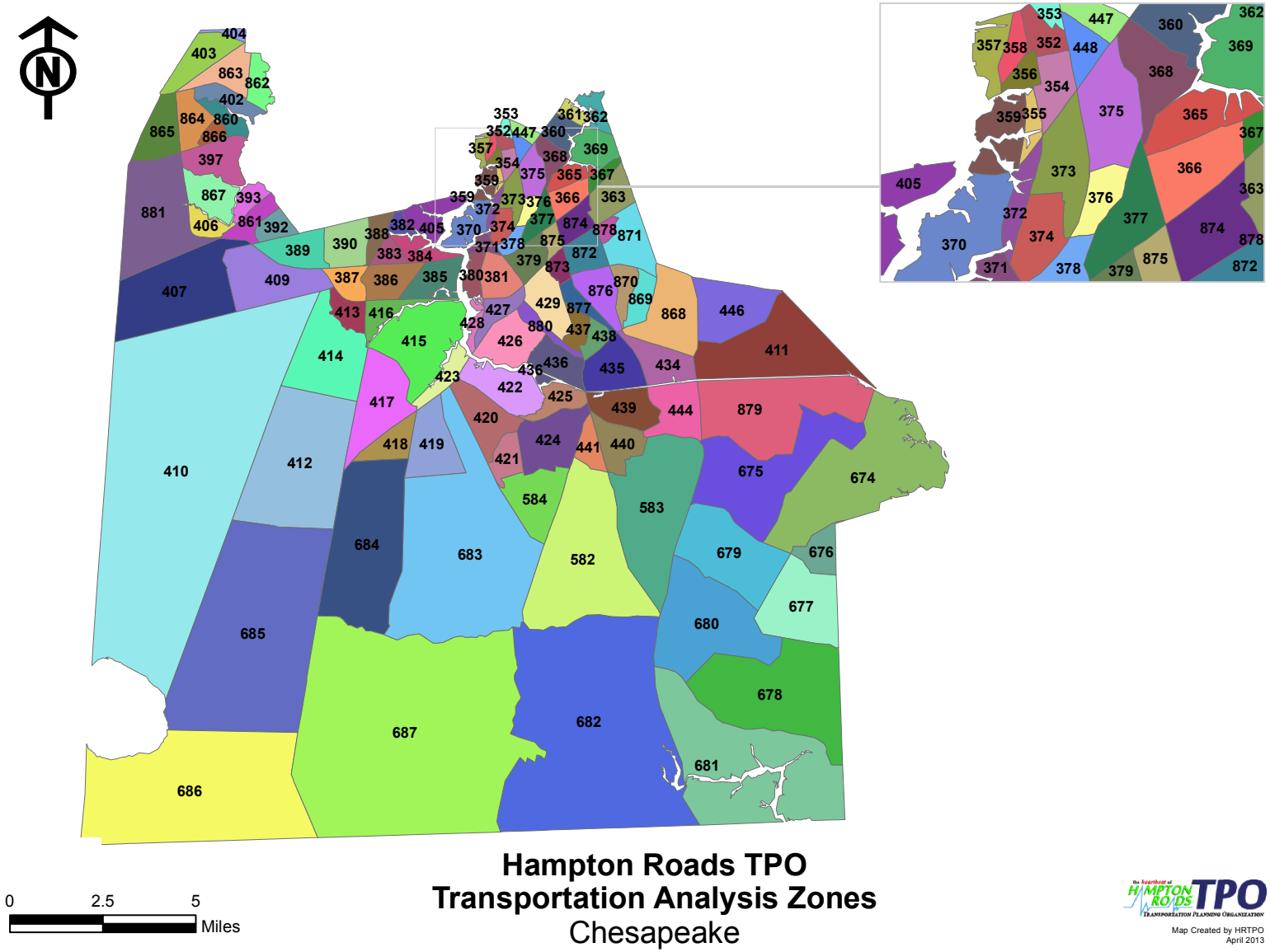
Note: [1] MPA - Metropolitan Planning Area: 12 Hampton Roads Localities plus southern Gloucester County.
[2] Regional Modeling Area: 13 Localities (including all of Gloucester County)
The data in the table above reflects the data used in the validation of the region's travel demand forecasting model.
Workers are defined as workers-at-residence, whereas employment is defined as jobsite employment.
In September 2010, the US Census Beureau released the American Community Survey (ACS) 2009 1-year population estimates. These figures may differ from the 2009 data in the above table as the ACS figues were not available by TAZ at the time the 2009 numbers were developed (November 2010).

Prepared By: HRTPO
September 2013
2009&2040_TAZ_Data_09.13.13

2009 and 2040 Socioeconomic Data by TAZ

the heartbeat of HAMPTON ROADS TPO
Transportation Planning Organization

Map 9: Chesapeake Transportation Analysis Zones



CHESAPEAKE
2009 AND 2040 TAZ DATA

NOTES: TAZ's with "N/P" in the employment column cannot have their 2009 employment data disclosed due to VEC regulations.
Data is sorted by TAZ number.

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
352	1	1,294	436	639	548	1,656	78	844	506	229	2,307	820	1,130	748	2,000	294	844	499	363	1,013	344
353	1	19	3	11	8	955	55	629	193	78	380	100	140	121	1,300	75	629	490	106	361	345
354	1	2,256	857	1,531	1,115	361	43	150	65	103	2,542	1,000	1,446	990	400	48	100	72	180	286	39
355	1	283	103	177	144	20	11	8	1	1	397	150	239	132	50	27	8	8	7	115	30
356	1	493	183	275	247	273	23	83	59	108	524	200	358	235	300	25	60	96	119	31	27
357	1	0	0	0	0	222	0	163	24	35	0	0	0	0	400	0	150	143	107	0	178
358	1	463	174	279	171	N/P	N/P	N/P	N/P	N/P	525	200	217	176	200	7	22	130	41	62	N/P
359	1	1	1	1	1	465	0	380	43	42	0	0	0	0	600	0	380	166	54	-1	135
360	2	4,543	1,684	2,902	2,224	N/P	N/P	N/P	N/P	N/P	4,777	1,800	3,450	1,751	250	10	53	110	77	234	N/P
361	2	666	259	495	373	15	0	10	4	1	634	250	497	265	100	0	10	26	64	-32	85
362	2	1,605	647	1,641	672	N/P	N/P	N/P	N/P	N/P	1,692	700	1,545	776	1,400	8	159	868	365	87	N/P
363	2	3,110	1,046	1,874	1,561	10,248	1,522	2,525	4,712	1,488	2,843	1,000	1,901	1,284	12,500	1,657	2,800	5,748	2,295	-267	2,252
365	2	2,550	1,052	2,058	1,319	N/P	N/P	N/P	N/P	N/P	2,325	969	2,193	1,112	110	16	0	94	0	-225	N/P
366	2	2,445	901	2,059	1,277	830	225	17	181	406	2,527	941	2,043	1,396	1,100	298	24	240	538	82	270
367	2	1,039	386	1,092	543	804	328	176	242	58	1,597	600	1,301	883	1,050	428	150	316	156	558	246
368	1	5,175	1,914	4,330	1,949	N/P	N/P	N/P	N/P	N/P	5,293	2,000	2,258	1,814	800	21	179	334	266	118	N/P
369	2	5,352	2,147	4,619	2,524	1,340	213	242	473	412	5,660	2,300	5,308	3,118	1,400	223	203	494	480	308	60
370	1	147	62	165	48	1,656	69	895	245	448	47	20	26	19	1,700	71	867	252	510	-100	44
371	1	26	9	18	9	N/P	N/P	N/P	N/P	N/P	588	219	224	207	250	17	55	161	17	562	N/P
372	1	1,145	440	796	520	132	84	20	20	7	1,265	506	701	479	250	160	39	38	13	120	118
373	1	2,304	917	2,557	1,146	523	82	88	89	263	2,477	1,000	2,121	975	550	86	63	94	307	173	27
374	1	1,744	669	1,431	925	468	72	246	77	73	1,803	700	1,741	1,027	461	71	192	76	122	59	-7
375	1	1,983	683	1,342	706	920	48	256	253	364	1,998	700	907	664	950	50	233	261	406	15	30
376	1	162	55	143	59	849	98	421	154	177	290	100	175	126	850	98	371	154	227	128	1
377	1	2,699	1,437	3,922	1,019	703	295	142	202	64	3,322	1,800	3,147	1,431	1,300	446	142	434	278	623	597
378	1	2,173	859	2,573	918	N/P	N/P	N/P	N/P	N/P	2,129	850	1,484	917	300	3	59	94	144	-44	N/P
379	4	2,219	869	1,969	1,270	1,780	354	532	565	328	3,187	1,300	2,731	1,493	2,000	398	498	635	469	968	220
380	5	0	0	0	0	971	58	403	228	282	0	0	0	0	800	42	391	164	203	0	-171
381	5	2,676	1,001	2,195	1,115	1,751	31	786	532	402	3,174	1,200	2,011	1,202	1,800	32	758	547	463	498	49
382	7	803	344	834	362	207	99	21	59	28	924	400	856	408	200	96	20	57	27	121	-7
383	7	2,568	923	1,592	1,010	724	181	80	259	204	2,800	1,007	1,781	1,058	808	202	89	289	228	232	84
384	7	1,147	450	995	571	N/P	N/P	N/P	N/P	N/P	1,274	500	1,025	654	550	7	338	80	125	126	N/P
385	7	1,436	462	1,381	692	191	0	121	35	35	1,530	500	1,133	718	250	0	158	46	46	94	59
386	7	3,493	1,267	3,092	1,767	1,491	250	568	449	225	4,079	1,500	3,413	1,916	1,500	251	521	452	276	586	9
387	7	133	50	186	66	863	182	243	247	190	387	147	300	171	900	190	254	258	198	254	37
388	8	2,479	860	1,354	1,084	133	0	43	49	41	2,785	1,064	1,846	1,233	600	0	75	259	266	306	467
389	8	51	20	33	30	4,694	205	2,721	899	868	129	50	116	65	5,000	219	2,699	958	1,124	78	306
390	8	4,706	1,482	3,910	2,444	1,331	178	589	292	271	5,021	1,600	3,784	2,336	1,350	181	548	296	325	315	19
392	8	387	135	390	226	0	0	0	0	0	763	270	641	396	300	0	0	150	150	376	300
393	9	2,137	650	1,339	876	N/P	N/P	N/P	N/P	N/P	3,252	1,000	1,949	1,463	150	4	9	33	104	1,115	N/P
397	9	3,018	1,120	3,079	1,745	977	656	29	172	120	3,601	1,351	3,443	1,789	1,500	1,007	45	264	184	583	523
402	9	1,577	585	1,627	836	N/P	N/P	N/P	N/P	N/P	2,402	900	2,658	1,100	100	19	11	48	22	825	N/P
403	9	6,442	2,363	4,452	3,292	856	311	114	248	182	7,019	2,606	5,479	3,813	1,898	690	84	690	434	577	1,042
404	9	307	154	314	138	2,545	1,079	151	939	375	377	191	354	185	2,600	1,104	124	959	413	70	55
405	7	169	66	204	76	43	14	17	5	6	167	66	141	74	457	151	83	158	65	-2	414
406	9	179	72	226	75	156	0	16	29	111	378	153	298	170	330	0	35	61	234	199	174
407	10	386	168	468	185	98	0	81	10	7	776	342	906	439	400	0	100	271	29	390	302
409	10	681	270	630	330	425	12	347	48	18	879	353	936	499	450	12	368	51	19	198	25
410	10	166	59	183	83	0	0	0	0	0	278	100	237	143	0	0	0	0	0	112	0
411	3	127	52	99	69	41	11	17	7	5	1,525	648	1,959	809	100	28	15	17	40	1,398	59
412	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
413	7	1,781	576	1,877	890	471	0	46	128	297	2,240	737	1,522	987	515	0	50	140	325	459	44
414	10	3,679	1,243	3,423	1,849	325	42	187	79	18	5,837	2,000	4,766	3,034	600	156	150	224	70	2,158	275
415	10	3,424	1,095	3,444	1,935	659	173	25	138	324	7,874	2,570	5,438	3,610	800	209	31	167	393	4,449	141
416	7	1,545	543	1,585	881	484	51	74	113	246	2,335	827	1,938	1,164	500	53	76	117	254	790	16
417	10	4,307	1,288	3,388	2,018	949	571	45	104	229	6,313	2,004	4,241	2,895	1,200	722	56	132	290	2,006	251
418	10	175	60	218	87	116	0	7	28	81	1,104	400	1,097	515	600	0	38	144	418	929	484
419	10	248	83	256	122	N/P	N/P	N/P	N/P	N/P	2,645	1,000	2,559	1,244	2,500	66	400	1,498	536	2,397	N/P
420	6	3,688	1,240	2,899	1,888	1,421	578	92	387	364	5,444	1,898	4,482	2,845	2,000	813	80	545	562	1,756	579
421	6	2,247	671	2,148	1,250	N/P	N/P	N/P	N/P	N/P	2,913	900	2,198	1,525	75	3	38	28	6	-666	N/P
422	6	3,644	1,154	2,726	1,732	1,094	209	356	250	279	4,543	1,500	3,543	2,373	1,500	287	305	343	565	899	406
423	10	796	278	722	373	144	26	21	67	29	1,334	500	1,058	613	400	72	60	187	81	538	256

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September 2013
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CHESAPEAKE
2009 AND 2040 TAZ DATA

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
424	6	10,023	3,349	7,755	5,287	732	67	117	411	137	9,947	3,463	8,170	5,198	1,000	92	100	561	247	-76	268
425	6	1,580	361	635	550	5,326	45	1,379	2,138	1,764	2,008	400	1,094	1,050	5,500	46	0	3,632	1,822	428	174
426	5	5,269	2,145	3,997	2,862	267	89	39	100	38	6,021	2,500	4,836	3,202	586	196	37	220	133	752	319
427	5	1,247	525	765	409	336	105	30	55	146	2,463	1,000	1,529	1,014	1,000	314	37	164	485	1,216	664
428	5	0	0	0	0	379	0	336	39	4	739	300	459	0	500	0	344	51	105	739	121
429	4	2,509	1,022	1,806	1,261	6,519	537	893	3,141	1,948	3,144	1,374	2,561	1,571	7,000	576	859	3,373	2,192	635	481
434	3	926	302	1,067	465	271	10	205	37	19	2,599	857	1,944	1,287	500	18	205	242	35	1,673	229
435	3	447	162	301	237	754	308	160	189	97	1,900	700	1,584	940	2,500	250	430	1,398	422	1,453	1,746
436	5	1,691	827	2,148	917	802	113	178	238	273	3,889	2,000	3,820	2,068	2,000	281	128	860	731	2,198	1,198
437	4	1,957	745	1,400	983	4,971	970	619	1,967	1,415	2,132	900	1,667	1,065	5,000	976	573	1,978	1,473	175	29
438	3	2,003	688	1,539	1,062	403	20	12	190	182	2,244	805	1,231	1,260	510	25	15	240	230	241	107
439	6	2,208	729	2,479	1,143	1,013	514	64	319	116	2,801	950	2,350	1,388	1,100	558	70	346	126	593	87
440	6	3,024	1,085	2,803	1,558	1,646	391	166	581	508	3,686	1,363	3,753	1,881	1,700	404	121	600	575	662	54
441	6	3,561	1,274	2,674	1,865	823	167	45	270	341	4,069	1,500	3,279	2,079	850	173	46	279	352	508	27
444	6	3,342	1,059	3,143	2,007	695	280	41	179	195	4,609	1,500	3,695	2,283	900	362	53	232	253	1,267	205
446	3	279	91	143	153	40	0	2	12	25	6,989	2,300	6,884	3,680	400	0	27	121	252	6,710	360
447	1	983	378	599	331	211	60	68	50	33	847	332	334	219	347	99	62	132	54	-136	136
448	1	1,370	467	916	513	460	19	38	122	281	1,239	445	666	413	476	19	40	126	291	-131	16
582	6	2,584	815	3,146	1,428	899	338	214	240	108	6,574	2,129	5,751	3,149	3,942	1,480	300	1,689	473	3,990	3,043
583	6	10,061	3,190	10,870	6,688	1,229	233	88	301	606	13,851	4,323	11,067	6,788	2,000	379	145	490	986	3,791	771
584	6	1,720	498	1,296	881	22	0	13	4	6	8,909	2,677	6,320	4,655	200	0	110	36	54	7,189	178
674	12	1,036	367	1,311	432	77	0	51	17	9	1,201	428	1,130	526	125	0	82	28	15	165	48
675	12	430	145	437	182	91	37	21	24	10	590	200	530	258	300	121	67	79	33	160	209
676	12	100	32	103	42	N/P	N/P	N/P	N/P	N/P	130	42	112	57	9	0	2	4	3	30	N/P
677	12	292	102	406	124	N/P	N/P	N/P	N/P	N/P	553	195	518	241	50	6	40	4	0	261	N/P
678	12	2,043	176	588	867	N/P	N/P	N/P	N/P	N/P	2,418	320	508	1,058	745	3	183	318	241	375	N/P
679	12	398	131	489	169	N/P	N/P	N/P	N/P	N/P	702	233	620	306	75	2	63	5	5	304	N/P
680	12	557	178	595	232	234	27	78	49	80	1,213	384	1,024	533	835	97	78	375	285	656	601
681	12	532	181	608	226	95	17	62	12	4	985	341	909	432	1,000	178	63	717	42	453	905
682	12	3,213	913	3,086	1,568	1,306	81	428	469	329	4,971	1,500	3,608	2,463	1,502	93	492	539	378	1,758	196
683	12	1,128	385	1,283	542	278	16	210	28	24	1,798	624	1,797	842	1,500	86	500	785	129	670	1,222
684	12	515	188	735	252	N/P	N/P	N/P	N/P	N/P	873	321	925	408	500	6	263	182	49	358	N/P
685	12	5	1	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-5	0
686	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
687	12	746	269	942	299	N/P	N/P	N/P	N/P	N/P	1,652	600	1,344	895	365	6	96	251	12	906	N/P
860	9	1,962	807	1,584	1,304	2,485	2,081	71	250	83	2,786	1,158	2,711	1,400	2,500	2,093	73	251	83	824	15
861	8	2,086	775	1,597	946	253	42	32	133	46	2,674	1,004	2,389	1,388	300	49	40	157	54	588	47
862	9	2,103	759	2,006	1,279	67	10	11	35	11	2,741	1,000	2,611	1,390	67	10	11	35	11	638	0
863	9	4,859	1,771	3,936	2,647	1,171	127	87	417	540	5,436	2,004	4,191	2,507	1,020	110	77	363	470	577	-151
864	9	1,945	710	2,022	935	416	195	40	129	51	4,075	1,500	3,512	2,049	1,000	470	97	310	123	2,130	584
865	9	150	44	108	72	747	277	91	280	98	2,301	800	3,122	619	1,500	557	182	564	197	2,151	753
866	9	6	2	5	3	2,943	2,256	114	399	175	0	0	0	0	4,000	3,066	154	542	238	-6	1,057
867	9	2,321	788	2,777	1,480	166	0	70	75	21	4,436	1,500	4,099	2,217	203	0	85	92	26	2,116	37
868	3	4,794	1,833	3,885	2,372	835	354	112	220	149	6,952	2,700	6,102	3,436	1,700	721	229	447	303	2,158	865
869	3	3,931	1,347	2,935	1,570	N/P	N/P	N/P	N/P	N/P	4,680	1,600	3,630	2,685	350	8	65	186	91	749	N/P
870	3	3,501	1,540	2,569	2,383	872	68	131	397	276	3,440	1,606	3,643	1,973	1,000	78	150	455	317	-60	128
871	3	5,934	2,236	3,324	3,181	2,527	1,486	124	662	255	8,112	3,300	7,151	4,830	3,500	2,058	171	918	353	2,178	973
872	3	0	0	0	0	14,583	5,117	1,239	6,074	2,153	2,577	1,050	2,272	0	20,000	6,979	991	9,260	2,770	2,577	5,417
873	3	1,194	595	1,033	617	2,370	1,753	114	331	173	1,559	804	1,230	875	2,500	1,849	121	348	182	365	130
874	3	0	0	0	0	4,722	1,209	1,753	1,137	623	0	0	0	0	4,500	1,152	1,670	1,084	594	0	-222
875	3	190	91	144	101	224	126	44	40	14	1,573	800	1,227	885	774	435	153	138	48	1,383	550
876	3	690	243	437	384	7,785	608	2,994	2,587	1,595	754	304	413	424	8,000	625	3,077	2,659	1,639	64	215
877	3	2,720	965	3,990	1,364	914	420	262	187	46	3,467	1,300	1,990	1,947	400	184	114	82	20	747	-514
878	3	708	443	575	380	220	38	6	62	114	500	400	853	298	1,000	172	28	282	518	-208	780
879	11	1,894	628	1,524	981	626	202	164	131	129	3,098	1,001	2,666	1,358	765	246	201	160	158	1,204	139
880	4	1,899	743	1,261	955	803	138	180	289	196	2,258	900	1,766	1,128	600	103	135	216	146	359	-203
881	9	2,795	910	2,872	1,463	462	109	145	121	88	6,203	2,054	5,611	3,099	1,000	236	146	428	190	3,408	538
	TOTAL	**219,960**	**78,587**	**188,823**	**111,349**	**126,376**	**29,652**	**40,703**	**29,589**	**26,432**	**314,600**	**114,300**	**252,600**	**151,300**	**167,000**	**39,200**	**29,900**	**60,700**	**37,200**	**94,640**	**40,624**

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September 2013
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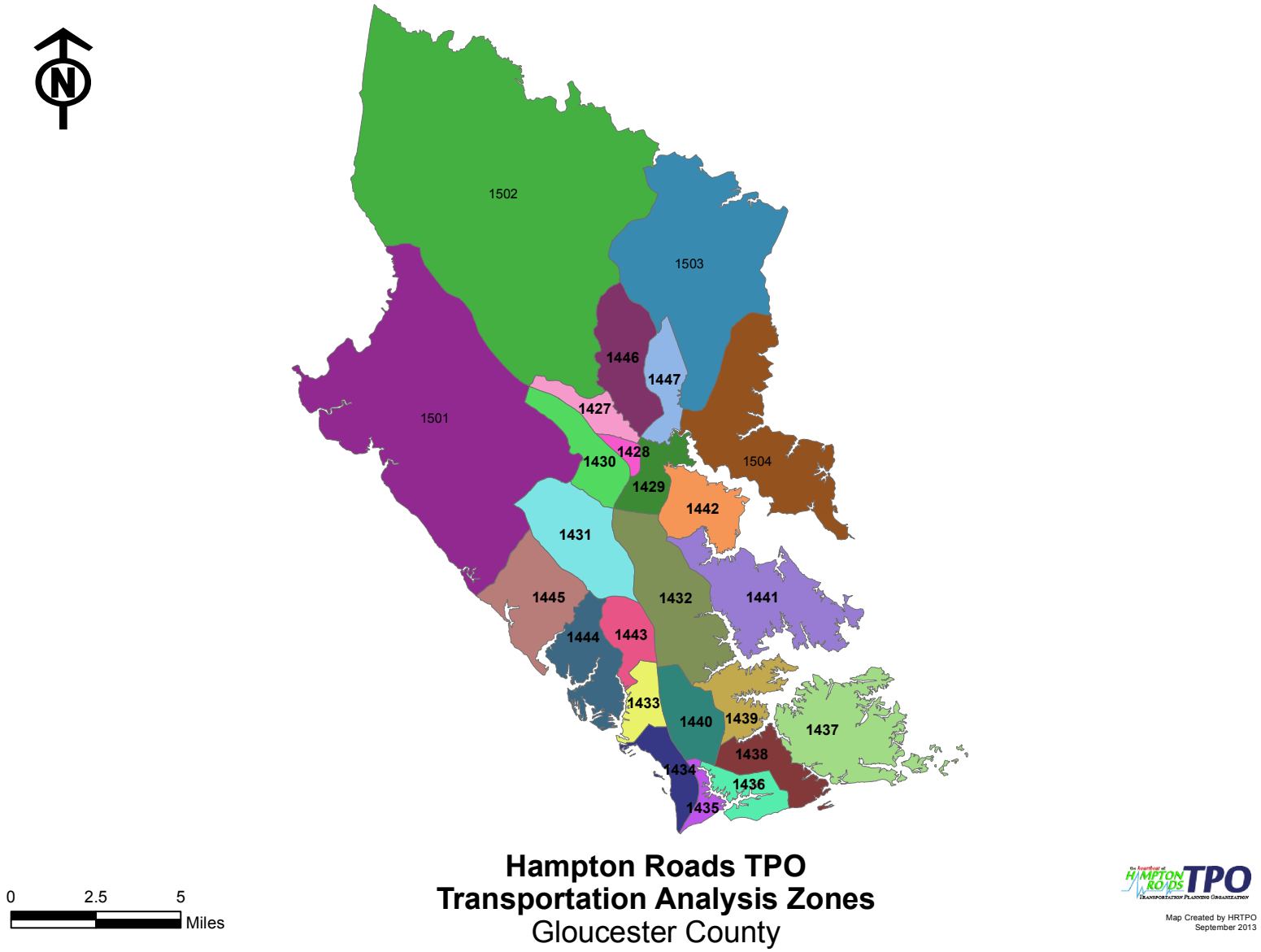
MAP 10: GLOUCESTER COUNTY TRANSPORTATION ANALYSIS ZONES (ENTIRE COUNTY)



GLOUCESTER COUNTY
2009 AND 2040 TAZ DATA

NOTES: TAZ's with "N/P" in the employment column cannot have their 2009 employment data disclosed due to VEC regulations.
Data is sorted by TAZ number.
Data is for entire Gloucester County

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
1427	170	1,148	366	1,786	558	2,951	201	451	1,277	1,022	1,317	401	999	528	3,333	300	654	1,529	850	169	382
1428	170	510	237	819	276	951	161	177	377	237	526	260	523	299	1,205	300	257	451	197	16	254
1429	170	414	182	556	242	1,487	633	69	287	498	490	210	443	234	1,658	800	100	344	414	76	170
1430	170	1,067	456	1,511	608	1,958	974	118	573	293	1,300	539	1,136	623	2,401	1,300	171	686	244	234	443
1431	170	1,075	384	1,091	613	773	116	194	229	233	1,396	500	1,223	625	993	225	300	274	194	321	220
1432	170	779	299	960	459	579	146	94	216	123	851	328	811	286	684	200	125	257	102	72	106
1433	170	2,899	1,081	3,069	1,634	615	166	144	164	141	3,132	1,150	2,911	1,564	750	228	209	196	117	233	135
1434	170	3,758	1,594	4,456	2,188	911	405	121	264	120	4,107	1,746	3,912	2,171	1,141	550	175	316	100	349	231
1435	170	1,287	569	2,372	666	1,447	159	90	345	853	1,413	623	1,528	548	1,703	450	131	413	710	126	256
1436	170	1,730	755	2,259	1,042	106	0	24	47	34	1,951	827	1,956	954	120	0	35	56	28	221	14
1437	170	1,596	620	1,821	726	311	48	89	51	124	1,631	635	1,059	534	350	56	129	61	103	35	39
1438	170	698	288	1,110	349	87	18	23	22	23	748	310	779	401	99	20	33	26	19	50	12
1439	171	630	269	816	369	50	11	13	10	16	668	275	599	289	54	10	19	12	13	38	5
1440	170	120	58	270	70	659	260	103	207	88	129	60	130	55	739	308	110	248	73	9	80
1441	171	508	213	669	313	N/P	N/P	N/P	N/P	N/P	538	225	558	180	26	15	4	5	2	30	N/P
1442	171	368	154	464	202	190	0	25	60	106	395	165	345	224	196	0	36	72	88	27	6
1443	170	703	242	713	352	263	23	125	64	51	745	255	659	381	304	35	150	77	42	42	41
1444	170	951	364	1,052	501	N/P	N/P	N/P	N/P	N/P	1,043	399	1,031	533	41	4	22	6	9	92	N/P
1445	171	1,578	576	1,756	831	48	0	30	13	4	1,730	630	1,630	886	67	5	44	16	3	152	20
1446	171	1,656	594	1,866	805	200	13	46	65	76	1,884	650	1,596	756	229	20	68	78	63	228	29
1447	171	1,048	349	1,299	640	N/P	N/P	N/P	N/P	N/P	1,178	383	1,011	570	107	4	57	40	7	129	N/P
1501	172	5,904	2,237	6,241	3,225	554	23	189	120	222	6,349	2,450	6,867	3,359	656	28	300	144	185	445	102
1502	172	2,876	1,105	3,112	1,476	708	77	224	174	233	3,093	1,210	3,424	1,537	864	100	362	208	194	217	157
1503	172	2,254	869	2,492	1,336	246	43	109	55	39	2,423	952	2,741	1,391	307	51	158	66	32	169	61
1504	172	1,082	472	1,390	646	137	72	36	18	11	1,163	517	1,529	672	173	90	52	22	9	81	36
	TOTAL	**36,638**	**14,332**	**43,950**	**20,128**	**15,375**	**3,576**	**4,680**	**2,551**	**4,568**	**40,200**	**15,700**	**39,400**	**19,600**	**18,200**	**5,100**	**3,700**	**5,600**	**3,800**	**3,562**	**2,825**

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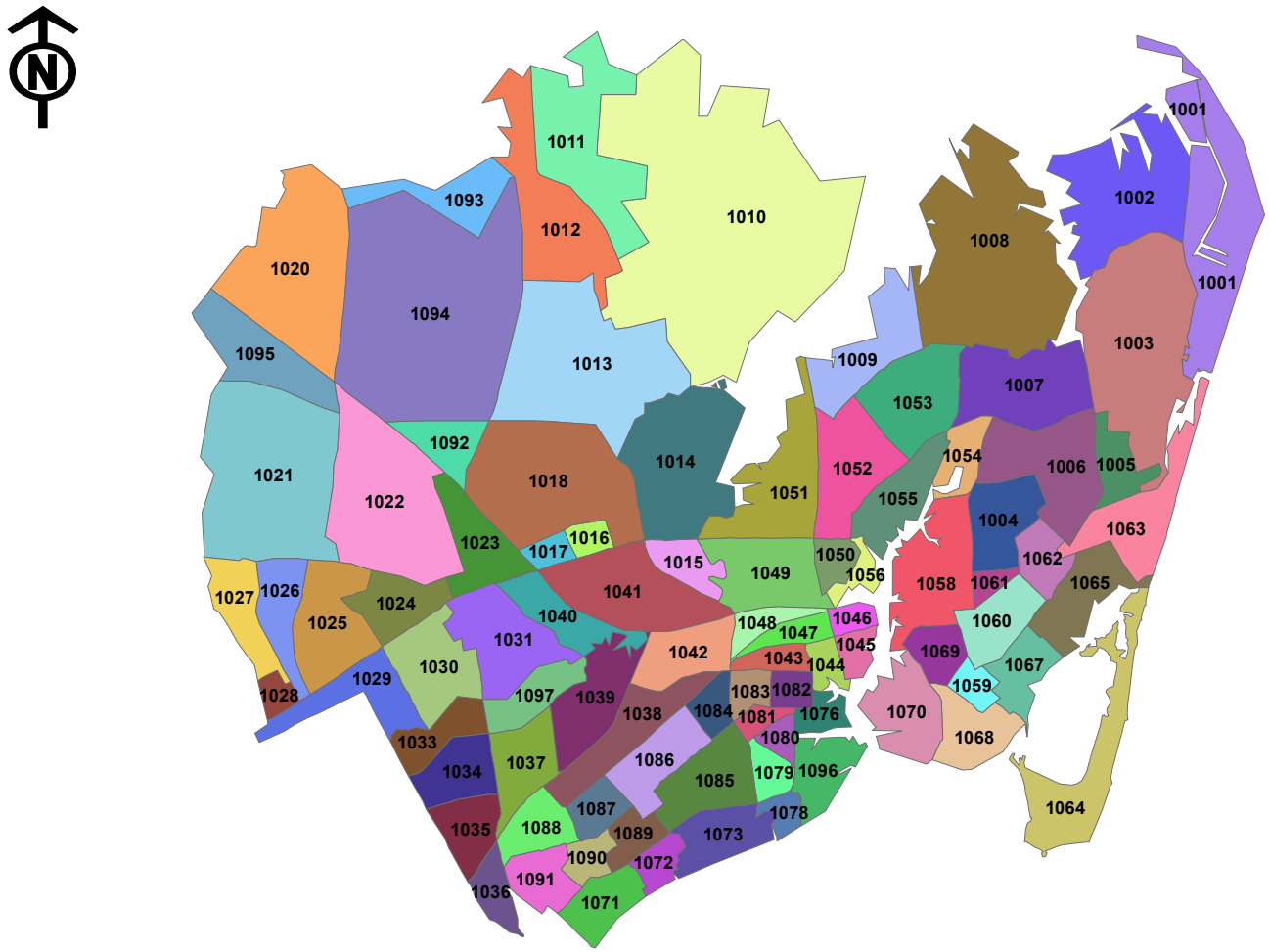
September 2013
2009&2040_TAZ_Data_09.13.13

Map 11: Hampton Transportation Analysis Zones



Hampton Roads TPO
Transportation Analysis Zones
Hampton

0 1 2 Miles

Map Created by HRTPO
September 2013

HAMPTON
2009 AND 2040 TAZ DATA

NOTES: TAZ's with "N/P" in the employment column cannot have their 2009 employment data disclosed due to VEC regulations.
Data is sorted by TAZ number.

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
1001	125	556	270	439	210	17	0	15	2	0	557	225	628	386	18	0	11	2	0	1	1
1002	125	838	346	650	269	N/P	N/P	N/P	N/P	N/P	780	289	806	542	53	6	13	15	12	-58	N/P
1003	125	4,262	1,654	4,151	2,073	151	12	40	74	25	3,768	1,380	3,244	1,765	159	16	30	76	25	-494	8
1004	125	2,863	1,101	2,438	1,412	379	103	9	87	180	2,888	919	2,128	1,200	399	137	7	89	180	25	20
1005	125	962	370	873	481	25	0	6	7	12	833	309	1,055	443	26	0	4	7	12	-129	1
1006	125	4,498	1,730	3,258	2,375	483	54	22	118	288	4,388	1,443	3,483	1,934	508	71	16	121	288	-110	26
1007	125	3,393	1,305	3,364	1,892	104	0	16	22	65	3,173	1,089	2,771	1,614	109	0	12	22	65	-220	6
1008	125	2,246	864	2,457	1,192	N/P	N/P	N/P	N/P	N/P	2,225	721	2,132	1,201	53	6	18	11	10	-21	N/P
1009	125	1,522	574	1,220	548	271	28	35	95	114	1,280	479	1,416	691	190	37	26	97	114	-242	-81
1010	124	4,006	334	1,196	1,672	N/P	N/P	N/P	N/P	N/P	1,696	278	157	957	13,036	611	1,961	5,396	3,999	-2,310	N/P
1011	124	130	50	0	34	N/P	N/P	N/P	N/P	N/P	0	4,394	0	0	3,235	1	916	2,478	1,816	-130	N/P
1012	124	759	292	591	368	3,285	185	1,530	942	627	761	326	781	412	3,864	260	1,134	963	626	2	579
1013	124	3,159	1,215	2,498	1,736	1,007	88	171	373	375	3,763	1,355	3,699	1,916	1,185	123	127	381	375	604	177
1014	123	3,190	1,227	2,436	1,264	373	70	25	124	153	2,611	1,025	2,951	1,142	393	92	19	127	153	-580	20
1015	123	585	295	283	110	32	22	2	4	3	833	329	726	515	38	31	2	5	4	248	6
1016	123	0	0	403	0	1,032	581	54	279	118	0	0	0	0	1,214	818	40	285	118	0	182
1017	123	0	0	0	0	453	346	0	108	0	0	0	0	0	532	487	0	138	0	0	79
1018	123	7,380	3,600	3,843	3,124	7,232	1,995	1,285	2,556	1,397	8,027	4,014	7,335	4,804	8,507	2,805	1,014	3,277	1,684	647	1,275
1020	124	2,465	948	2,454	1,299	562	21	170	227	144	3,201	1,057	2,540	1,736	655	30	134	291	174	737	93
1021	120	5,247	2,018	5,152	2,947	823	125	84	289	325	6,546	2,250	5,220	3,634	968	175	66	371	392	1,299	145
1022	120	6,035	2,321	5,334	3,299	989	405	60	265	259	7,431	2,588	7,431	3,615	1,164	570	47	340	312	1,396	175
1023	120	1,745	623	2,512	828	1,301	739	102	314	146	1,708	695	1,931	1,020	1,530	1,039	81	403	176	-37	229
1024	120	2,214	967	1,765	1,001	758	426	33	195	104	2,450	1,078	2,521	1,464	892	599	26	250	125	236	134
1025	120	2,353	905	2,110	1,126	744	485	33	143	84	2,520	1,009	2,573	1,291	875	682	26	183	101	167	131
1026	120	1,217	468	1,354	628	235	57	8	60	110	1,063	391	1,032	594	247	76	6	61	110	-153	12
1027	120	3,640	1,400	1,797	1,468	N/P	N/P	N/P	N/P	N/P	2,995	1,168	2,198	1,616	56	12	16	15	8	-645	N/P
1028	120	36	14	27	20	646	111	21	458	56	42	12	23	23	680	147	16	468	56	6	34
1029	121	2,309	888	1,615	825	585	329	38	140	77	1,767	741	1,872	815	615	436	28	143	77	-542	31
1030	121	2,608	1,003	2,307	1,231	171	32	22	53	64	2,290	837	2,209	1,168	180	42	16	54	64	-317	9
1031	121	2,075	798	1,729	843	206	93	5	49	59	1,751	666	1,210	666	216	123	4	50	59	-324	10
1033	121	1,732	666	1,129	880	172	52	5	48	67	1,397	556	1,047	619	181	68	4	49	67	-334	8
1034	121	660	254	754	292	1,090	65	389	256	381	445	204	384	197	1,282	91	307	328	459	-215	192
1035	121	0	0	0	0	1,219	388	630	108	94	0	0	0	0	1,434	545	497	138	113	0	215
1036	121	99	38	82	27	145	26	86	21	12	57	32	70	36	152	35	64	21	12	-42	7
1037	121	203	78	192	81	3,299	668	1,713	527	391	184	63	191	87	3,881	940	1,352	676	471	-19	582
1038	122	458	176	333	248	1,573	209	589	438	336	495	141	426	234	1,851	294	465	562	405	38	278
1039	121	1,979	761	1,402	784	219	0	2	60	157	1,485	635	1,806	703	230	0	1	61	157	-493	11
1040	121	205	79	170	144	762	735	4	14	8	223	88	112	78	896	1,034	3	18	10	17	134
1041	123	1,035	345	429	487	2,685	1,694	91	669	231	887	385	489	311	3,158	2,382	72	858	278	-148	473
1042	122	2,351	904	1,183	785	671	135	92	280	163	2,015	754	955	707	706	179	68	286	163	-336	35
1043	122	702	270	404	283	238	90	37	69	41	839	301	490	350	280	127	29	88	49	137	43
1044	122	930	418	305	282	2,194	105	379	1,084	626	1,281	466	596	471	2,581	148	299	1,390	755	351	387
1045	122	654	242	314	172	3,005	191	615	1,384	815	531	248	395	196	3,535	269	486	1,774	983	-123	530
1046	122	624	192	157	152	N/P	N/P	N/P	N/P	N/P	546	214	411	260	21	4	3	10	5	-78	N/P
1047	122	239	44	266	197	496	39	223	158	76	121	49	94	58	584	55	176	203	92	-119	88
1048	122	187	70	87	60	159	11	85	35	29	196	78	107	48	187	15	67	45	35	9	28
1049	125	1,687	649	974	630	627	99	222	168	137	1,372	541	727	403	660	131	165	172	137	-315	33
1050	125	1,446	556	1,859	677	457	11	86	292	67	1,260	464	861	654	481	15	64	299	67	-186	24
1051	125	3,929	1,511	2,357	1,766	652	333	36	187	96	3,220	1,260	2,089	1,472	686	441	27	191	96	-708	33
1052	125	3,432	1,320	2,762	1,847	483	222	26	106	129	2,936	1,101	2,836	1,445	508	294	19	108	129	-496	25
1053	125	3,517	1,289	2,726	1,667	2,883	270	338	1,075	1,200	2,929	1,076	2,766	1,442	3,034	357	251	1,099	1,199	-588	152
1054	125	785	302	767	427	200	0	33	100	67	677	252	755	345	210	0	24	102	67	-108	10
1055	125	1,214	467	1,093	721	117	92	15	7	4	1,157	390	1,171	590	123	122	11	7	4	-57	6
1056	125	1,066	410	445	410	N/P	N/P	N/P	N/P	N/P	740	342	765	383	12	0	0	11	0	-326	N/P
1058	125	2,624	1,163	2,159	1,282	241	72	28	108	33	2,377	971	2,173	1,231	253	96	21	110	33	-247	12
1059	126	645	248	376	220	145	15	60	43	28	747	277	453	310	170	21	47	55	34	103	25
1060	126	1,677	645	1,407	691	951	51	81	231	587	1,568	538	883	648	1,001	67	60	236	586	-109	50
1061	125	432	166	331	256	135	112	3	8	11	431	139	275	175	142	148	2	8	11	0	7
1062	125	1,581	608	1,010	788	139	93	11	22	13	1,327	507	1,007	539	146	123	8	22	13	-254	7
1063	126	3,039	1,265	1,885	1,491	303	124	26	89	65	3,229	1,410	2,998	1,976	356	174	21	114	78	190	53
1064	126	936	360	416	201	1,937	39	424	850	624	1,019	300	703	454	2,045	51	314	869	623	83	108
1065	126	2,317	891	1,589	929	N/P	N/P	N/P	N/P	N/P	2,391	993	1,921	1,296	67	4	13	56	49	75	N/P

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HAMPTON
2009 AND 2040 TAZ DATA

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
1067	126	1,791	689	1,235	804	182	98	3	32	48	2,050	769	1,420	811	214	138	2	41	58	259	32
1068	126	1,336	514	699	584	862	123	362	248	129	1,548	573	865	439	1,014	173	286	318	156	212	151
1069	126	44	17	22	12	N/P	N/P	N/P	N/P	N/P	31	14	29	6	4	0	2	0	0	-13	N/P
1070	126	3,401	288	464	655	2,530	137	340	1,076	976	2,998	321	1,656	494	2,976	193	268	1,379	1,177	-403	447
1071	122	1,561	611	1,257	702	1,019	0	110	338	571	1,262	509	1,158	553	1,072	0	82	346	570	-299	53
1072	122	746	287	601	471	30	0	8	13	9	546	239	581	271	32	0	6	13	9	-200	1
1073	122	1,383	532	1,180	749	60	0	38	17	5	1,036	444	1,063	504	63	0	28	17	5	-347	3
1076	122	580	223	350	255	N/P	N/P	N/P	N/P	N/P	436	186	390	174	687	12	360	117	44	-144	N/P
1078	122	796	306	451	517	N/P	N/P	N/P	N/P	N/P	736	255	389	339	0	0	1	0	0	-60	N/P
1079	122	925	421	382	352	265	123	8	113	21	726	351	761	329	279	163	6	116	21	-199	15
1080	122	439	169	354	206	45	0	16	17	13	389	141	310	176	47	0	12	17	13	-50	2
1081	122	408	157	263	189	N/P	N/P	N/P	N/P	N/P	360	131	284	162	20	14	0	7	1	-48	N/P
1082	122	681	262	467	317	158	37	33	57	31	631	218	374	252	166	49	24	58	31	-50	8
1083	122	879	338	583	410	17	17	0	0	0	764	282	405	263	18	22	0	0	0	-115	1
1084	122	915	352	725	361	104	48	8	29	19	806	294	658	453	109	63	6	30	19	-109	5
1085	122	2,486	956	2,065	1,326	898	44	522	157	174	2,255	797	1,950	986	945	58	387	161	174	-231	47
1086	122	2,002	770	1,491	845	252	21	40	122	69	1,670	643	1,211	733	266	27	30	125	69	-332	14
1087	122	822	316	942	317	156	0	66	56	34	721	264	472	308	164	0	49	57	34	-100	8
1088	122	647	249	479	245	1,005	62	601	144	198	523	200	341	187	1,183	87	474	185	239	-125	177
1089	122	936	360	504	384	199	57	14	103	24	783	300	554	356	209	76	10	105	24	-153	10
1090	122	978	376	645	421	N/P	N/P	N/P	N/P	N/P	810	314	582	343	93	5	16	40	24	-167	N/P
1091	122	1,022	393	800	454	90	13	40	26	11	928	328	613	467	95	17	30	27	11	-94	5
1092	124	0	0	0	0	1,383	9	21	1,193	162	0	0	0	0	1,627	12	17	1,529	195	0	244
1093	124	185	71	218	101	42	0	23	19	0	250	79	192	136	49	0	18	24	0	65	7
1094	124	3,364	1,294	2,350	1,664	3,712	124	371	1,605	1,611	4,064	1,443	3,473	2,205	4,366	174	293	2,058	1,942	700	654
1095	120	3	1	3	1	505	212	0	42	251	2	1	2	1	531	281	0	43	251	-1	27
1096	122	1,097	422	1,063	532	362	121	46	144	51	885	352	535	407	381	161	34	147	51	-212	19
1097	121	645	248	645	289	N/P	N/P	N/P	N/P	N/P	561	211	604	265	241	11	2	48	169	-84	N/P
	TOTAL	**144,748**	**54,589**	**107,857**	**66,314**	**82,083**	**14,014**	**28,983**	**17,262**	**21,824**	**137,200**	**55,500**	**114,900**	**66,500**	**89,300**	**19,400**	**13,200**	**33,100**	**23,600**	**(7,548)**	**7,217**

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September 2013
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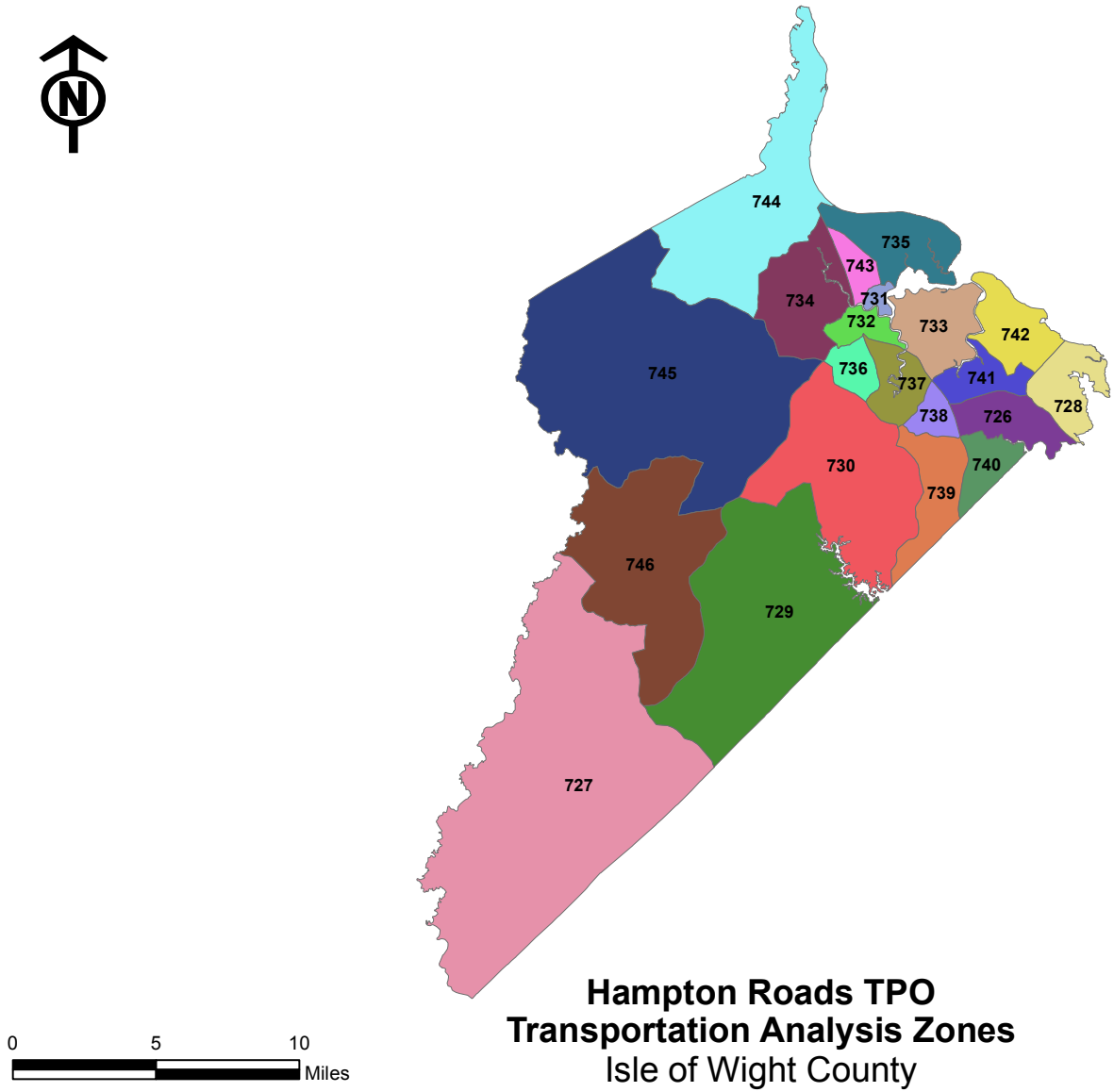
Map 12: Isle of Wight County Transportation Analysis Zones



Hampton Roads TPO
Transportation Analysis Zones
Isle of Wight County

Map Created by HRTPO
September 2013

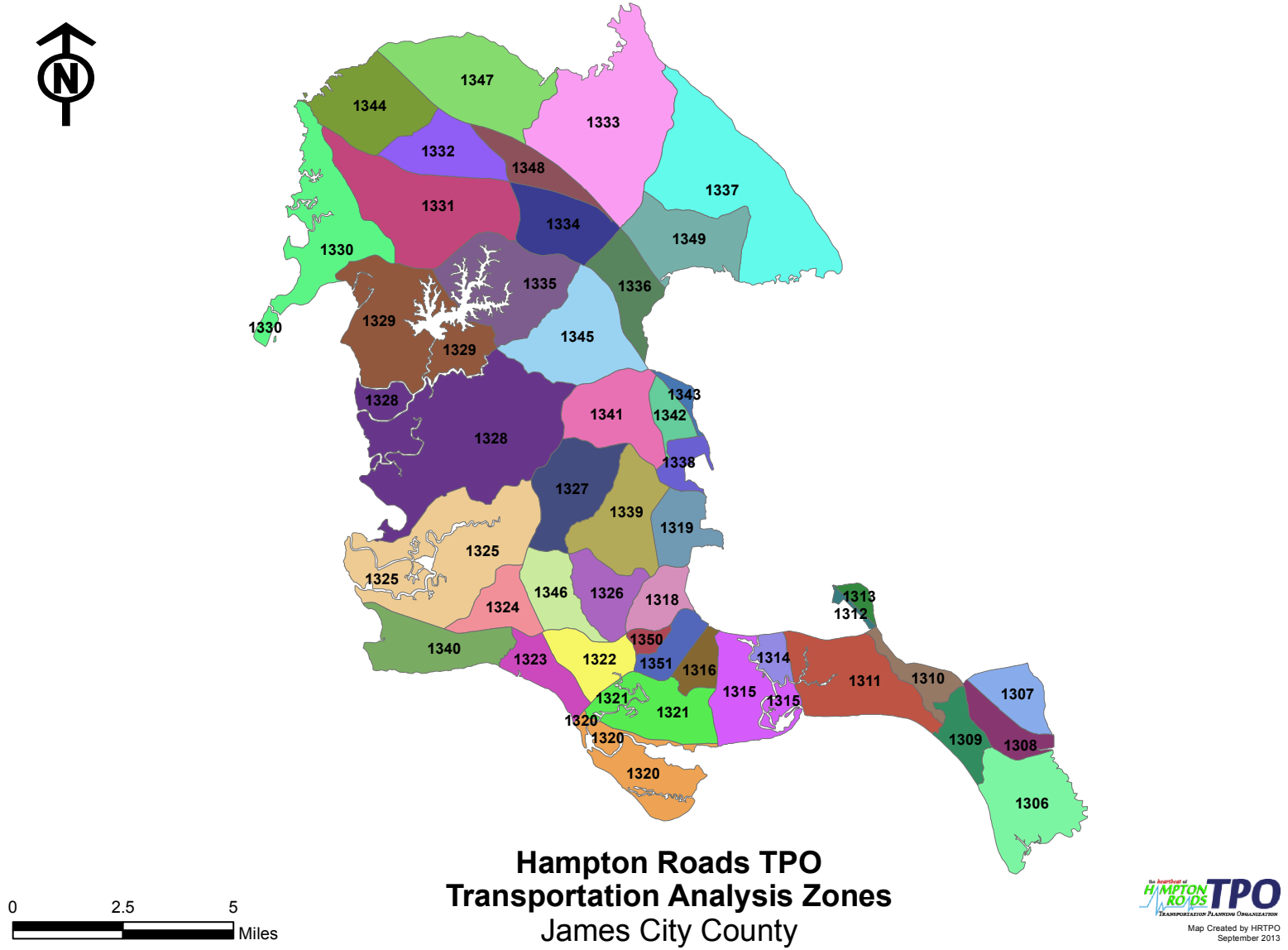
ISLE OF WIGHT COUNTY
2009 AND 2040 TAZ DATA

NOTES: TAZ's with "N/P" in the employment column cannot have their 2009 employment data disclosed due to VEC regulations.
Data is sorted by TAZ number.

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
726	70	1,586	766	2,272	811	277	36	87	58	96	4,012	1,527	3,566	1,986	1,551	314	223	455	559	2,426	1,274
727	72	4,110	1,373	4,849	1,994	4,181	139	1,361	892	1,788	4,886	1,997	4,499	2,315	2,000	222	817	412	549	776	-2,181
728	70	1,922	650	2,051	989	270	59	112	62	38	4,880	1,905	5,877	2,172	1,291	403	321	320	247	2,958	1,021
729	72	3,325	1,103	3,820	1,835	1,082	395	132	318	237	6,837	2,655	7,545	3,328	7,800	915	3,325	1,950	1,610	3,512	6,718
730	72	1,523	613	2,039	857	N/P	N/P	N/P	N/P	N/P	2,866	1,042	2,676	1,589	191	12	114	43	22	1,343	N/P
731	71	278	104	360	156	N/P	N/P	N/P	N/P	N/P	236	75	212	107	5,073	21	2,207	1,042	1,803	-42	N/P
732	71	2,089	742	3,228	849	1,475	376	222	435	443	2,240	992	1,983	923	2,464	629	468	763	604	151	989
733	71	6,835	2,744	9,467	3,450	1,820	719	210	606	285	9,545	3,666	8,502	4,725	2,774	1,035	381	926	432	2,710	954
734	70	952	429	1,336	522	N/P	N/P	N/P	N/P	N/P	1,473	597	1,679	668	83	6	29	22	26	521	N/P
735	70	638	295	847	360	243	0	33	77	134	872	355	1,000	396	291	0	40	109	142	234	48
736	70	721	263	837	346	18	0	10	4	3	1,193	400	799	492	27	0	0	14	13	472	9
737	70	429	186	670	206	822	396	77	167	182	2,007	801	1,598	839	2,061	913	332	595	221	1,578	1,239
738	70	685	260	1,032	329	119	28	13	69	9	2,989	1,267	2,960	1,481	1,679	1,123	123	382	51	2,304	1,560
739	70	617	243	826	311	150	35	49	33	33	947	372	897	443	180	6	75	58	41	330	30
740	70	322	112	381	162	110	0	44	22	45	511	207	499	239	100	10	40	21	29	189	-10
741	70	637	403	1,010	310	209	124	25	33	29	3,685	1,470	3,435	1,827	1,263	463	92	667	41	3,048	1,054
742	70	2,166	792	2,269	1,422	364	157	34	135	38	3,760	1,507	3,520	1,862	661	298	50	264	49	1,594	297
743	70	736	330	936	415	74	0	18	17	39	1,199	427	1,203	544	95	0	29	34	32	463	21
744	72	1,618	752	2,184	771	33	11	11	7	4	2,858	1,154	2,851	1,206	51	17	17	7	10	1,240	18
745	72	1,604	726	2,475	865	687	19	148	276	245	2,420	929	1,888	1,251	779	24	148	365	242	816	92
746	72	2,205	962	2,907	1,170	380	119	49	86	126	3,386	1,355	3,311	1,506	586	189	69	151	177	1,181	206
	TOTAL	**34,998**	**13,848**	**45,796**	**18,129**	**17,290**	**2,633**	**4,065**	**4,890**	**5,702**	**62,800**	**24,700**	**60,500**	**29,900**	**31,000**	**6,600**	**8,900**	**8,600**	**6,900**	**27,802**	**13,710**

Prepared by HRTPO
September 2013
2009&2040_TAZ_Data_09.13.13

MAP 13: JAMES CITY COUNTY TRANSPORTATION ANALYSIS ZONES



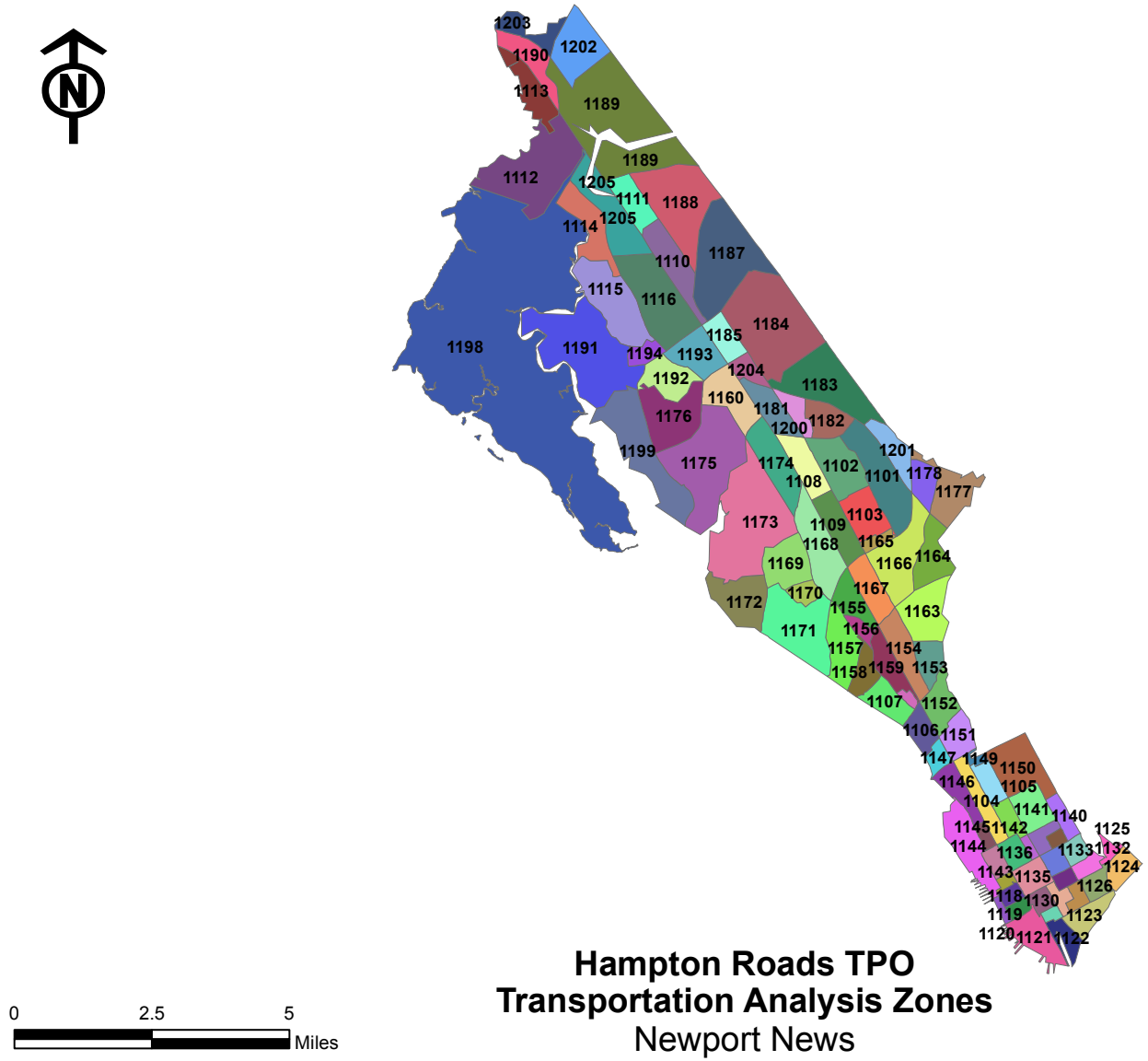
JAMES CITY COUNTY
2009 AND 2040 TAZ DATA

NOTES: TAZ's with "N/P" in the employment column cannot have their 2009 employment data disclosed due to VEC regulations.
Data is sorted by TAZ number.

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
1306	150	67	25	77	15	1,044	154	548	145	197	160	54	114	85	3,193	206	952	1,216	819	93	2,149
1307	150	0	0	0	0	106	0	23	47	35	41	1	29	0	117	0	25	47	45	41	11
1308	150	3,090	1,122	2,914	1,200	996	12	468	299	216	3,856	1,304	2,624	2,066	842	24	252	350	216	766	-154
1309	150	374	82	214	98	N/P	N/P	N/P	N/P	N/P	446	150	275	209	209	41	30	38	100	72	N/P
1310	150	24	10	14	3	5,087	646	639	2,647	1,156	11	10	24	10	5,007	950	793	1,314	1,950	-13	-80
1311	150	4,867	2,174	4,131	1,873	2,760	882	313	963	602	5,208	2,350	6,132	2,152	1,405	156	60	1,000	189	341	-1,355
1312	150	368	163	113	185	312	161	27	80	44	329	144	229	153	882	222	40	300	320	-39	570
1313	150	1,127	497	849	566	748	87	126	299	236	1,377	600	956	722	908	186	20	402	300	250	160
1314	151	546	248	539	127	N/P	N/P	N/P	N/P	N/P	560	249	476	181	78	0	0	76	2	14	N/P
1315	151	886	453	578	207	1,021	341	138	339	203	1,264	700	1,284	409	1,453	58	100	894	401	378	432
1316	151	2,163	990	1,762	1,238	310	53	10	143	105	1,937	888	1,441	994	1,076	25	0	892	159	-226	766
1318	151	2,844	1,116	2,326	1,482	1,477	483	213	452	328	2,811	1,104	2,524	1,308	1,251	30	40	900	281	-33	-226
1319	151	1,349	584	703	402	3,877	663	494	1,796	924	2,331	1,204	941	658	5,411	1,541	268	2,648	954	982	1,534
1320	152	2	1	4	1	104	21	10	28	44	4	2	4	2	102	17	0	35	50	2	-2
1321	152	1,780	698	1,508	1,011	189	30	94	35	30	2,343	929	2,297	1,236	267	83	10	70	104	563	78
1322	152	2,797	1,073	2,332	1,589	571	165	30	127	248	2,716	998	2,548	1,432	594	64	2	228	300	-81	23
1323	152	2,819	948	2,575	1,306	N/P	N/P	N/P	N/P	N/P	2,990	1,023	2,350	1,328	336	10	3	203	120	171	N/P
1324	152	1,173	454	910	606	N/P	N/P	N/P	N/P	N/P	1,102	578	1,221	489	637	109	4	207	317	-70	N/P
1325	152	424	179	440	198	301	12	72	42	177	505	219	504	224	558	7	10	190	351	81	257
1326	152	2,284	968	1,768	1,188	1,292	637	89	416	151	3,350	1,468	3,628	1,766	1,581	820	14	627	120	1,066	289
1327	152	3,082	1,402	2,793	1,116	860	134	56	296	374	5,038	2,254	4,646	1,607	1,350	81	5	864	400	1,956	490
1328	152	241	90	245	117	150	0	99	29	22	1,085	397	975	494	392	13	80	139	160	844	242
1329	152	245	103	240	119	N/P	N/P	N/P	N/P	N/P	329	136	333	151	33	10	3	15	5	84	N/P
1330	152	1,342	605	1,451	653	N/P	N/P	N/P	N/P	N/P	1,757	781	1,913	805	146	10	5	51	80	415	N/P
1331	153	686	270	714	355	311	16	187	65	44	787	298	761	345	715	102	20	330	263	101	404
1332	153	608	251	831	314	356	111	136	62	47	547	218	557	240	742	317	20	284	121	-61	386
1333	153	547	217	748	301	208	17	155	32	4	9,199	3,673	7,624	4,609	1,652	250	200	1,072	130	8,652	1,444
1334	153	1,113	424	1,295	571	1,309	74	520	255	460	2,739	1,034	2,104	1,240	2,672	265	799	908	700	1,626	1,363
1335	153	1,544	529	1,647	791	283	40	74	44	124	1,819	632	1,286	824	526	100	50	176	200	275	243
1336	153	633	270	338	330	1,129	662	74	258	134	7,052	2,990	6,279	3,461	2,542	450	392	1,250	450	6,419	1,413
1337	153	887	348	1,139	488	77	0	37	20	20	916	362	753	460	137	10	47	30	50	29	60
1338	151	2,004	946	1,296	1,126	1,445	683	119	379	265	1,955	916	1,439	1,011	1,964	683	60	420	801	-49	519
1339	151	4,690	1,670	4,451	2,064	1,514	1,057	86	237	134	7,686	3,001	3,904	2,168	2,395	710	86	1,016	583	2,995	881
1340	152	1,582	647	1,449	734	N/P	N/P	N/P	N/P	N/P	1,847	775	1,779	821	398	11	4	311	72	265	N/P
1341	152	4,216	1,725	6,860	2,196	2,218	336	284	797	802	3,724	1,502	2,910	1,713	2,466	283	80	1,150	953	-492	248
1342	152	1,501	499	2,104	878	1,999	1,886	7	93	12	2,299	869	1,726	1,084	2,083	1,500	80	483	20	797	84
1343	152	639	248	634	345	293	28	203	44	18	889	332	660	418	493	118	150	101	124	250	200
1344	153	568	222	697	294	33	16	8	6	3	656	248	634	289	87	17	18	27	25	88	54
1345	153	2,572	848	2,236	1,494	956	344	114	272	226	8,213	3,112	6,555	4,038	2,213	650	87	1,176	300	5,641	1,257
1346	152	945	299	651	492	688	99	81	362	145	2,283	896	2,214	1,202	733	43	50	370	270	1,338	45
1347	153	992	361	1,173	608	94	14	10	20	49	4,787	1,908	3,972	2,393	1,699	288	435	655	321	3,795	1,605
1348	153	775	263	761	400	1,645	106	260	890	390	1,644	560	1,433	720	2,981	250	752	1,516	463	869	1,336
1349	153	419	166	528	230	64	0	24	7	34	455	181	375	228	892	210	54	400	228	36	828
1350	151	860	307	627	414	479	206	111	115	48	857	303	767	340	629	180	50	219	180	-3	150
1351	151	2,016	837	1,654	971	1,711	392	209	727	383	2,297	947	2,397	914	2,453	600	150	1,200	503	281	742
	TOTAL	**63,692**	**25,332**	**60,319**	**30,695**	**35,754**	**10,157**	**11,699**	**5,835**	**8,063**	**104,200**	**42,300**	**87,600**	**47,000**	**58,300**	**11,700**	**6,300**	**25,800**	**14,500**	**40,508**	**22,546**

Prepared by HRTPO
September 2013
2009&2040_TAZ_Data_09.13.13

Map 14: Newport News Transportation Analysis Zones



Hampton Roads TPO
Transportation Analysis Zones
Newport News

0 2.5 5 Miles

Map Created by HRTPO
September 2013

NEWPORT NEWS
2009 AND 2040 TAZ DATA

NOTES: TAZ's with "N/P" in the employment column cannot have their 2009 employment data disclosed due to VEC regulations.
Data is sorted by TAZ number.

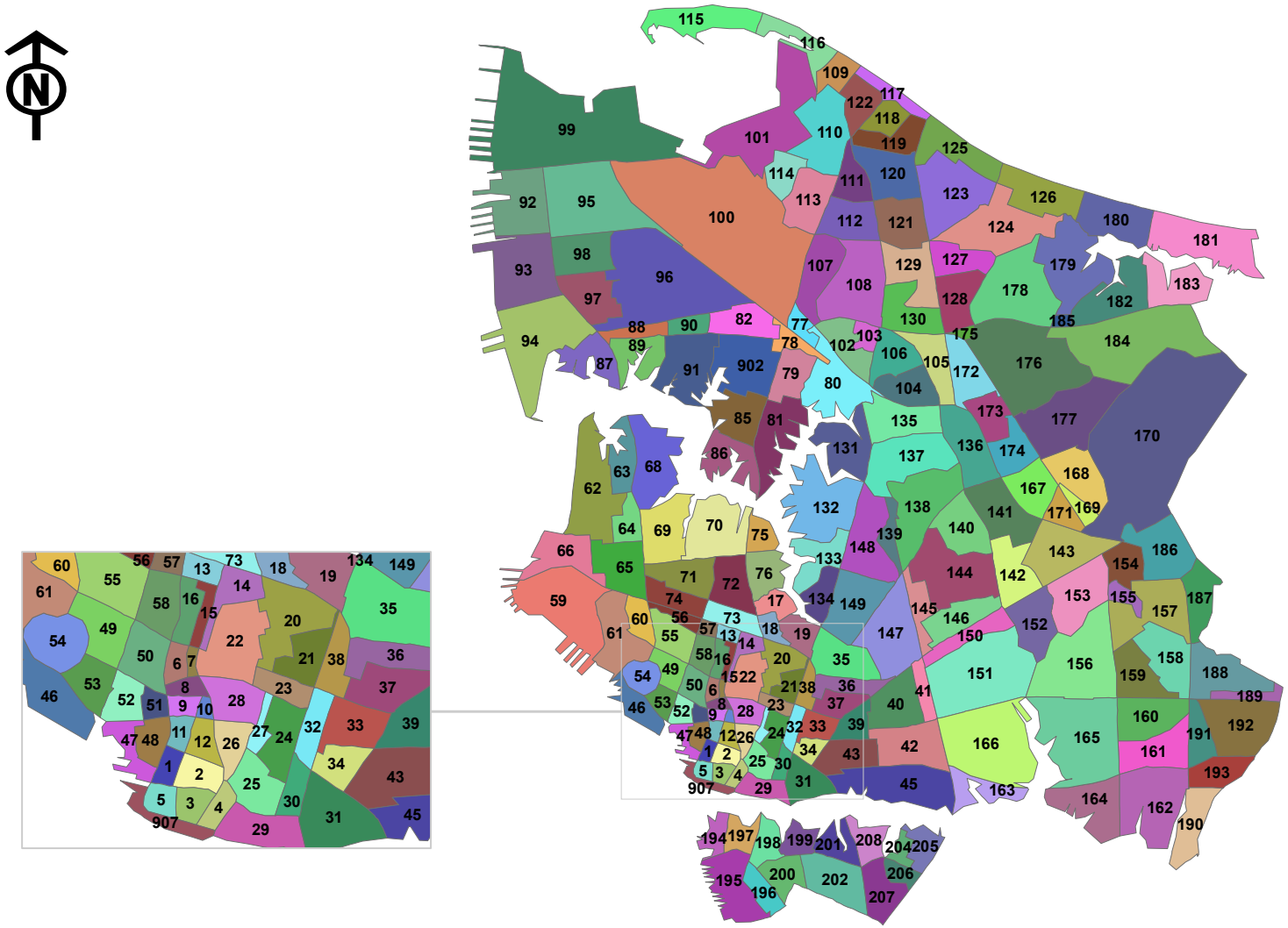
TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
1101	109	42	21	66	20	7,417	841	1,695	3,293	1,588	2,157	1,095	1,671	1,045	9,125	940	2,037	3,900	1,964	2,115	1,708
1102	109	0	0	0	0	2,302	424	391	1,201	287	0	593	0	0	3,367	1,008	687	1,528	227	0	1,065
1103	109	1,497	719	1,086	730	4,829	890	707	2,430	802	2,596	1,277	1,909	1,256	10,654	1,206	1,572	5,620	1,897	1,099	5,825
1104	103	850	441	504	436	188	85	58	30	14	0	0	0	0	291	229	57	38	14	-850	104
1105	103	1,420	722	1,060	715	204	46	67	66	26	1,099	556	1,140	542	184	46	66	54	21	-321	-20
1106	105	1,454	639	1,232	724	520	183	59	156	122	1,302	583	1,190	664	565	217	66	172	133	-152	45
1107	105	1,500	623	1,376	798	104	20	11	25	49	1,362	566	1,213	595	110	24	12	25	48	-138	6
1108	109	2,418	1,081	1,367	1,193	517	39	242	193	43	2,938	1,300	2,055	1,423	533	299	21	217	42	520	16
1109	109	3,901	2,053	2,159	2,034	1,424	258	168	652	347	3,871	2,007	4,011	2,689	2,219	697	219	866	480	-30	795
1110	111	1,683	674	2,002	679	697	327	31	190	149	1,463	593	1,253	775	757	388	35	213	175	-220	60
1111	111	1,379	830	650	865	394	130	94	119	51	1,748	730	1,560	927	428	154	106	128	58	369	34
1112	112	914	426	584	462	3,397	144	1,441	701	1,111	848	388	817	451	4,042	161	1,882	686	1,185	-66	645
1113	112	1,104	412	1,204	558	515	76	257	105	77	1,047	365	806	557	510	86	254	101	73	-57	-5
1114	107	5,257	2,130	3,400	2,403	515	241	21	165	88	4,751	1,916	4,294	2,661	700	375	24	222	134	-506	185
1115	107	5,127	1,904	3,872	2,523	452	119	73	114	146	4,994	1,825	4,097	2,797	491	141	82	124	152	-133	39
1116	107	5,568	2,219	3,003	2,584	1,076	623	92	217	144	6,932	2,737	5,359	3,487	1,169	739	103	259	194	1,364	93
1117	101	68	31	27	5	772	22	164	343	243	436	230	299	344	387	109	184	63	46	368	-385
1118	101	96	15	36	13	165	14	57	62	32	740	210	378	582	1,982	199	41	1,003	643	644	1,817
1119	101	659	76	199	44	N/P	N/P	N/P	N/P	N/P	785	205	134	313	5,000	180	495	2,639	1,385	127	N/P
1120	101	705	417	399	434	253	11	55	87	100	900	557	833	360	459	83	54	106	207	195	206
1121	101	0	0	0	0	N/P	N/P	N/P	N/P	N/P	22	0	0	0	549	0	331	103	98	22	N/P
1122	101	1,598	654	409	399	533	59	203	128	143	1,478	598	89	208	1,017	102	361	117	405	-120	484
1123	101	2,257	998	887	820	20	0	0	20	0	3,957	1,710	2,126	1,525	258	152	0	116	14	1,700	239
1124	101	1,519	534	994	719	N/P	N/P	N/P	N/P	N/P	1,203	456	836	531	351	107	26	109	114	-316	N/P
1125	101	501	201	412	254	150	14	20	51	66	442	174	344	170	97	14	11	29	40	-59	-53
1126	101	1,537	539	840	618	N/P	N/P	N/P	N/P	N/P	1,194	433	948	547	50	0	0	10	35	-343	N/P
1127	101	1,068	404	754	349	22	10	6	3	3	816	320	613	335	24	12	7	4	4	-252	2
1128	101	1,255	450	662	383	N/P	N/P	N/P	N/P	N/P	979	365	325	248	336	8	0	69	233	-276	N/P
1129	101	1,029	344	348	199	98	15	25	30	28	561	182	178	144	156	18	55	30	50	-468	58
1130	101	1,065	376	320	296	270	120	22	96	31	555	201	31	78	294	155	21	104	37	-511	23
1131	101	980	308	347	369	N/P	N/P	N/P	N/P	N/P	857	292	411	267	233	0	2	111	103	-123	N/P
1132	101	1,218	463	628	446	69	18	16	20	15	1,130	420	511	386	69	22	15	20	15	-88	0
1133	101	997	416	619	316	281	5	49	83	144	893	365	458	299	304	70	5	83	141	-104	22
1134	101	1,835	741	1,072	463	128	0	2	30	96	1,544	648	636	426	136	0	1	30	94	-291	8
1135	101	1,694	663	703	446	503	64	313	73	53	1,613	639	1,094	474	725	292	227	139	111	-81	222
1136	103	730	279	479	249	165	23	83	37	22	675	255	452	293	160	26	82	34	20	-55	-5
1137	103	750	268	379	260	0	0	0	0	0	644	229	253	272	0	0	0	0	0	-106	0
1138	103	676	289	362	234	N/P	N/P	N/P	N/P	N/P	597	251	302	253	1,150	6	762	147	205	-79	N/P
1139	103	365	154	233	122	N/P	N/P	N/P	N/P	N/P	323	137	204	147	41	0	28	4	8	-42	N/P
1140	103	0	0	0	0	1,283	920	76	193	94	0	0	0	0	1,312	0	1,002	194	92	0	30
1141	103	489	189	489	232	N/P	N/P	N/P	N/P	N/P	1,042	393	405	287	778	36	302	194	219	553	N/P
1142	103	1,488	653	955	714	108	14	34	46	13	1,369	593	750	563	78	16	23	31	9	-119	-30
1143	102	287	110	185	139	14,175	68	1,477	7,866	4,764	254	101	68	74	841	14	78	425	268	-33	-13,334
1144	102	116	34	88	57	12,594	47	9,966	1,271	1,310	107	33	21	38	16,676	0	13,184	1,550	1,663	-9	4,082
1145	102	592	227	490	374	55	10	5	31	8	534	205	421	265	176	0	18	115	31	-58	121
1146	102	1,742	905	1,160	823	899	68	88	477	266	1,627	839	1,724	805	559	53	86	327	72	-115	-340
1147	102	65	17	25	27	656	52	99	366	139	45	14	22	22	713	62	111	372	139	-20	57
1149	103	0	0	0	0	761	56	82	347	277	0	0	0	0	826	103	61	354	277	0	66
1150	103	4,365	1,903	3,825	2,212	N/P	N/P	N/P	N/P	N/P	4,158	1,779	3,058	1,774	171	6	41	78	37	-207	N/P
1151	104	625	266	544	311	1,929	442	198	593	695	574	237	551	284	2,056	781	200	537	615	-51	127
1152	104	2,579	976	1,397	1,065	815	101	157	332	225	2,316	885	2,035	1,145	784	108	159	300	199	-263	-30
1153	104	1,414	580	1,232	746	585	178	75	169	163	1,340	529	1,266	730	553	190	76	157	147	-74	-32
1154	104	1,752	717	1,473	811	504	71	46	123	264	1,607	639	1,514	724	489	76	47	115	238	-145	-15
1155	105	46	20	54	26	2,045	31	307	932	775	35	19	32	22	2,955	93	415	1,214	1,059	-11	910
1156	105	371	165	312	213	N/P	N/P	N/P	N/P	N/P	335	146	289	214	299	8	8	74	187	-36	N/P
1157	105	16	8	21	8	44	0	44	0	0	15	8	16	7	50	0	0	0	46	-1	6
1158	105	960	436	805	530	1,611	246	197	647	521	899	401	873	394	1,749	292	221	687	512	-61	139
1159	105	1,490	688	678	854	727	136	333	151	106	2,464	1,141	2,211	1,581	424	189	0	152	104	974	-303
1160	106	3,616	1,525	3,068	1,670	901	242	157	398	104	4,186	1,733	3,469	1,965	979	307	176	405	117	570	78
1161	105	235	97	195	134	223	92	30	74	27	208	86	168	133	242	109	34	82	32	-27	19
1163	104	4,959	1,864	4,206	2,480	905	170	354	234	146	4,239	1,597	3,134	1,997	786	182	298	212	108	-720	-119
1164	104	1,193	459	1,041	597	57	44	5	7	1	2,385	912	2,630	1,397	62	53	6	10	5	1,192	5

NEWPORT NEWS
2009 AND 2040 TAZ DATA

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
1165	109	1,883	933	539	908	1,142	442	99	497	103	169	84	173	87	1,130	496	98	482	116	-1,714	-12
1166	104	2,997	1,336	2,978	1,486	1,109	438	136	307	228	2,617	1,141	2,684	1,480	1,282	569	138	302	347	-380	173
1167	104	1,508	663	1,327	883	N/P	N/P	N/P	N/P	N/P	1,359	593	1,238	645	127	5	69	27	23	-149	N/P
1168	105	4,060	1,655	3,553	1,918	3,911	460	411	1,467	1,573	4,572	1,597	4,387	2,500	4,249	546	462	1,506	1,590	512	337
1169	105	2,382	1,292	1,630	927	496	140	99	152	105	2,102	1,149	1,924	814	538	166	111	165	110	-280	43
1170	105	712	60	65	304	920	22	0	180	718	2,202	91	1,055	851	1,297	71	0	228	912	1,490	377
1171	105	2,349	997	2,065	1,050	323	19	9	67	228	1,976	867	2,140	844	351	22	10	70	228	-374	28
1172	105	1,561	634	1,592	813	N/P	N/P	N/P	N/P	N/P	1,399	557	1,537	701	111	5	8	26	65	-162	N/P
1173	105	5,058	2,003	5,428	2,556	319	56	69	75	119	4,684	1,825	5,658	2,436	346	66	78	75	124	-374	27
1174	105	2,904	1,301	1,898	1,527	1,189	328	367	315	178	2,694	1,277	2,585	1,618	1,291	416	363	353	205	-210	103
1175	106	6,163	2,140	5,447	3,023	N/P	N/P	N/P	N/P	N/P	6,277	2,189	5,834	3,211	460	52	23	90	274	114	N/P
1176	106	4,394	1,600	4,212	2,466	N/P	N/P	N/P	N/P	N/P	4,104	1,460	4,107	2,206	205	1	30	48	112	-290	N/P
1177	108	2,860	1,329	2,689	1,397	570	44	93	253	181	2,592	1,186	2,333	1,230	620	52	105	256	181	-268	49
1178	108	1,327	588	774	675	623	328	27	146	122	1,297	570	1,065	616	677	389	30	171	147	-30	54
1181	109	521	221	402	258	964	372	178	252	163	2,185	912	2,449	1,307	1,047	441	200	269	196	1,664	83
1182	109	1,524	643	1,258	852	N/P	N/P	N/P	N/P	N/P	1,307	547	1,470	782	142	3	17	35	78	-217	N/P
1183	108	5,689	2,592	4,207	2,986	1,155	779	20	139	217	5,097	2,281	4,773	3,330	1,265	1,017	22	175	243	-592	110
1184	110	1,663	718	621	589	6,443	2,145	1,499	1,522	1,277	1,759	821	1,345	878	6,158	711	1,883	1,915	1,515	96	-285
1185	110	1,506	708	916	822	304	262	5	25	11	1,341	639	1,187	669	1,080	1,330	6	30	11	-165	775
1187	111	10,583	3,989	8,341	5,834	2,531	396	252	915	968	12,265	4,561	9,776	6,504	3,121	818	304	1,002	1,008	1,682	590
1188	111	7,123	2,393	4,516	3,294	1,331	179	753	245	154	6,180	2,098	4,486	3,277	1,544	274	849	284	161	-943	214
1189	112	33	12	16	11	117	61	6	19	31	36	12	24	19	127	72	7	19	40	3	10
1190	112	479	215	293	131	118	0	17	31	71	453	205	413	242	784	392	300	63	101	-26	666
1191	107	5,927	2,134	5,879	3,317	N/P	N/P	N/P	N/P	N/P	5,578	1,962	5,675	2,960	349	8	117	71	137	-349	N/P
1192	106	2,211	799	1,695	1,134	N/P	N/P	N/P	N/P	N/P	2,034	730	1,483	1,011	401	30	11	269	69	-177	N/P
1193	107	4,094	1,574	2,346	1,808	1,227	526	161	378	162	4,042	1,528	3,012	1,806	1,040	596	181	176	190	-52	-186
1194	107	552	203	380	307	501	34	24	158	286	570	205	596	301	544	40	27	159	283	18	43
1198	113	5,670	1,054	2,206	628	N/P	N/P	N/P	N/P	N/P	7,445	1,368	3,681	4,063	10,095	588	990	4,560	3,408	1,775	N/P
1199	106	3,160	1,216	3,121	1,830	92	27	40	20	5	2,922	1,118	3,551	1,463	100	32	45	20	5	-238	8
1200	109	152	79	90	84	3,645	3,090	72	340	143	142	73	196	85	3,615	3,669	81	433	205	-10	-30
1201	108	2,961	1,241	1,535	1,363	289	121	32	103	33	2,634	1,095	2,146	1,249	314	143	36	104	51	-327	25
1202	112	137	64	132	42	N/P	N/P	N/P	N/P	N/P	1,714	730	1,466	908	770	556	87	116	117	1,577	N/P
1203	112	996	213	264	273	91	42	3	41	6	910	205	525	483	90	47	3	38	9	-86	-1
1204	110	0	0	0	0	568	560	0	7	1	0	229	0	0	1,409	1,795	0	16	1	0	841
1205	107	2,335	794	1,862	1,088	376	198	30	61	86	3,249	1,095	2,141	1,634	536	235	34	138	157	914	160
	TOTAL	**182,591**	**72,745**	**131,194**	**84,772**	**119,569**	**19,439**	**40,644**	**29,444**	**30,042**	**189,100**	**74,700**	**154,600**	**94,700**	**129,700**	**26,600**	**33,200**	**40,500**	**29,400**	**6,509**	**10,131**

Prepared by HRTPO
September 2013
2009&2040_TAZ_Data_09.13.13

Map 15: Norfolk Transportation Analysis Zones



Hampton Roads TPO
Transportation Analysis Zones
Norfolk

Map Created by HRTPO
September 2013

NORFOLK
2009 AND 2040 TAZ DATA

NOTES: TAZ's with "N/P" in the employment column cannot have their 2009 employment data disclosed due to VEC regulations.
Data is sorted by TAZ number.

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
1	33	265	81	236	161	949	223	72	371	283	797	400	535	449	1,050	225	157	570	98	532	101
2	33	24	14	31	16	1,425	1,222	25	125	52	174	100	437	94	1,700	1,425	54	123	98	150	275
3	33	0	0	0	0	3,064	126	135	2,450	353	1	0	0	0	4,000	750	198	2,173	879	1	936
4	33	1,329	2	1	317	1,768	0	532	778	458	1,345	0	0	209	3,000	600	449	1,630	322	16	1,232
5	33	75	62	168	8	4,039	472	301	2,740	527	290	250	599	44	5,750	1,800	250	3,123	577	215	1,711
6	34	333	189	235	194	N/P	N/P	N/P	N/P	N/P	314	190	459	225	0	0	0	0	0	-19	N/P
7	34	0	0	0	0	1,765	797	242	455	272	0	0	0	0	1,650	750	302	547	50	0	-115
8	34	9	7	28	6	332	9	36	246	40	13	10	40	6	300	50	55	100	96	4	-32
9	33	5	4	4	3	213	66	8	127	12	580	250	970	119	1,500	175	224	815	286	575	1,287
10	33	0	0	0	0	N/P	N/P	N/P	N/P	N/P	0	0	0	0	250	77	37	136	0	0	N/P
11	33	128	55	31	85	5,538	29	570	3,305	1,634	1,161	500	1,941	632	5,500	900	500	2,988	1,112	1,033	-38
12	33	62	44	174	41	604	106	93	341	64	695	300	1,163	0	600	69	90	326	115	633	-4
13	34	0	0	0	0	602	180	144	198	81	0	225	0	0	675	150	124	224	177	0	73
14	34	0	0	0	0	445	82	97	123	143	0	0	0	0	700	200	128	232	140	0	255
15	34	2	2	6	1	222	65	19	92	46	298	300	524	142	225	100	25	75	25	296	3
16	34	156	66	117	59	209	0	16	68	124	192	75	169	131	200	25	37	66	72	36	-9
17	26	886	313	334	397	27	0	1	8	18	845	325	326	315	25	4	4	6	11	-40	-2
18	34	143	56	144	105	N/P	N/P	N/P	N/P	N/P	126	50	68	35	150	40	27	50	33	-17	N/P
19	32	977	389	430	378	118	0	1	25	92	1,019	400	450	429	100	9	19	43	28	42	-18
20	32	1,806	580	612	571	N/P	N/P	N/P	N/P	N/P	1,708	600	410	432	650	62	126	279	183	-97	N/P
21	32	1,134	424	322	339	N/P	N/P	N/P	N/P	N/P	1,082	425	515	328	75	7	15	32	21	-52	N/P
22	32	66	6	10	33	754	63	137	336	217	18	5	7	7	750	75	125	322	228	-48	-4
23	32	433	130	227	55	739	0	106	329	303	396	150	38	61	700	66	100	301	233	-38	-39
24	32	1,006	418	424	153	140	17	2	39	83	1,002	400	126	221	150	14	29	64	42	-4	10
25	32	1,495	516	284	388	1,194	39	93	583	480	1,432	525	168	266	1,450	150	100	623	577	-63	256
26	32	0	0	0	0	165	67	26	44	27	71	100	31	39	750	175	50	322	203	71	585
27	32	0	0	0	0	555	241	56	177	81	0	0	0	0	200	50	39	86	25	0	-355
28	32	2,030	770	1,313	440	167	44	4	32	86	1,963	775	303	313	175	17	34	75	49	-67	8
29	32	15	8	13	4	2,932	404	181	2,053	294	0	0	0	0	3,000	625	180	1,290	905	-15	68
30	32	73	30	49	11	313	0	30	65	219	0	0	0	0	300	28	58	129	84	-73	-13
31	32	263	95	102	88	314	31	188	61	34	1,090	400	443	332	500	50	97	215	138	827	186
32	32	93	38	40	16	437	47	214	106	70	0	0	0	0	450	50	87	193	119	-93	13
33	32	299	87	129	90	N/P	N/P	N/P	N/P	N/P	236	90	20	45	350	33	68	150	99	-63	N/P
34	32	1,712	418	221	573	N/P	N/P	N/P	N/P	N/P	1,123	400	443	189	175	20	34	75	46	-589	N/P
35	32	879	357	444	294	N/P	N/P	N/P	N/P	N/P	870	350	512	306	100	10	19	43	28	-9	N/P
36	32	460	117	411	101	320	0	220	62	38	379	120	104	83	300	30	58	129	83	-82	-20
37	32	1,690	582	397	468	264	0	45	61	158	1,521	575	557	491	200	20	39	86	55	-169	-64
38	32	535	172	179	209	N/P	N/P	N/P	N/P	N/P	356	125	214	129	125	15	24	54	32	-179	N/P
39	32	1,064	494	567	297	460	92	11	122	235	929	425	395	258	450	110	87	193	59	-135	-10
40	30	3,371	1,044	832	645	641	62	251	162	167	3,603	1,200	1,875	1,754	650	75	241	202	132	232	9
41	30	66	29	81	29	189	22	102	39	25	69	30	36	0	200	30	74	62	34	3	11
42	30	1,120	439	1,092	598	198	15	59	85	39	2,668	575	1,647	1,334	450	50	167	140	93	1,548	252
43	32	70	27	101	25	1,063	18	157	470	420	1,074	0	0	0	1,150	125	175	494	356	1,004	87
45	30	2,215	744	872	579	595	67	292	110	126	2,138	750	632	509	600	80	222	187	111	-77	5
46	34	262	118	226	164	N/P	N/P	N/P	N/P	N/P	1,097	700	1,464	911	2,200	450	300	730	720	835	N/P
47	33	782	339	703	353	443	36	23	260	124	474	325	780	72	500	58	75	272	96	-308	57
48	33	498	304	278	331	943	120	110	487	226	1,034	650	967	623	1,000	200	150	543	107	536	57
49	34	1,690	825	1,033	974	481	30	73	191	186	1,414	825	1,684	972	475	100	87	158	130	-276	-6
50	34	829	370	760	440	192	64	21	64	43	803	400	1,260	410	200	80	37	66	17	-27	8
51	34	34	16	21	21	2,555	86	317	587	1,564	33	15	21	19	2,700	500	394	896	910	-1	145
52	34	715	308	371	310	N/P	N/P	N/P	N/P	N/P	464	300	415	258	100	20	18	33	29	-251	N/P
53	34	675	361	357	380	1,386	7	27	327	1,024	531	350	526	296	1,350	250	247	448	405	-144	-36
54	34	137	43	95	98	8,181	67	1,112	3,417	3,585	54	10	48	45	8,300	1,400	1,000	2,754	3,146	-83	119
55	34	2,109	1,279	1,341	1,016	1,036	500	74	258	204	2,160	1,300	2,330	1,435	1,050	400	192	449	9	51	14
56	34	0	0	0	0	842	411	97	257	76	0	0	0	0	875	105	160	190	420	0	33
57	34	30	6	6	0	451	304	22	78	46	11	5	8	4	450	54	82	149	164	-19	-1
58	34	446	278	256	207	608	126	15	212	254	460	275	521	190	600	72	110	199	219	14	-8
59	26	0	0	0	0	46	0	31	8	7	0	0	0	0	50	7	9	12	22	0	4
60	34	1,030	492	598	591	17	0	0	16	2	991	500	1,036	554	10	1	2	3	4	-39	-7
61	34	1,695	746	1,029	1,011	1,682	85	842	336	419	20,895	750	15,012	12,560	1,600	300	293	531	476	19,200	-82
62	23	3,309	1,041	1,634	1,831	N/P	N/P	N/P	N/P	N/P	5,147	1,050	4,189	2,044	100	3	13	34	49	1,838	N/P

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63	23	1,092	424	814	605	N/P	N/P	N/P	N/P	N/P	1,105	425	1,011	525	10	0	1	3	5	13	N/P
64	26	46	16	45	26	2,428	172	12	476	1,769	0	0	0	0	2,600	600	20	617	1,363	-46	172
65	26	2,094	666	814	856	357	10	206	59	82	2,299	750	1,151	932	350	50	61	83	156	205	-7
66	26	0	0	0	0	0	0	0	0	0	0	0	0	0	20	3	3	5	9	0	20
68	23	2,297	883	1,479	1,069	2,414	41	21	534	1,819	1,969	875	2,102	1,090	2,500	80	300	862	1,258	-328	86
69	26	2,559	825	931	1,339	1,175	436	199	271	269	3,837	1,050	3,016	1,717	1,250	675	150	297	129	1,278	75
70	26	3,485	1,362	2,048	1,796	537	24	29	159	325	3,955	1,650	3,331	2,694	550	100	96	130	224	470	13
71	26	2,431	823	1,031	931	506	52	154	142	158	2,641	850	1,255	1,000	500	100	87	119	194	210	-6
72	26	2,468	840	1,094	922	240	11	64	76	89	2,278	850	912	936	250	50	44	59	97	-189	10
73	34	694	225	229	244	865	82	426	222	135	487	200	122	134	900	400	165	299	37	-207	35
74	34	626	238	214	254	1,075	101	561	302	111	535	200	261	191	1,100	225	201	365	309	-91	25
75	26	756	279	561	389	300	98	27	137	37	701	300	555	430	300	100	52	71	77	-55	0
76	26	83	32	79	49	110	19	15	22	55	6	0	0	0	110	35	19	26	30	-77	0
77	24	0	0	0	0	528	446	7	61	14	0	0	0	265	575	375	10	175	15	0	47
78	24	241	112	173	91	1,418	383	198	498	339	251	115	87	75	1,450	700	203	441	106	10	32
79	23	1,692	932	801	494	751	12	75	329	336	1,620	925	1,684	693	750	24	101	259	366	-72	-1
80	23	872	352	688	400	190	41	12	96	41	833	350	621	476	200	6	27	69	98	-39	10
81	23	1,209	518	1,211	628	N/P	N/P	N/P	N/P	N/P	1,171	525	1,147	633	550	18	74	190	268	-38	N/P
82	23	2,367	1,117	1,095	1,027	N/P	N/P	N/P	N/P	N/P	2,439	1,125	1,958	1,202	20	1	3	7	10	72	N/P
85	23	1,037	444	663	487	N/P	N/P	N/P	N/P	N/P	1,018	450	656	597	175	6	24	60	85	-19	N/P
86	23	709	227	731	273	2,109	10	291	897	912	604	225	473	278	2,200	71	250	759	1,121	-106	91
87	23	586	235	460	303	N/P	N/P	N/P	N/P	N/P	541	225	535	216	1,150	37	155	397	561	-45	N/P
88	23	1,536	696	439	665	697	99	326	163	110	1,559	700	1,240	792	700	150	94	241	214	23	3
89	23	1,220	580	1,236	527	300	24	16	136	124	1,173	600	1,064	596	300	10	40	103	146	-47	0
90	23	1,316	588	557	342	N/P	N/P	N/P	N/P	N/P	1,359	600	673	686	25	1	3	9	12	43	N/P
91	23	1,941	752	1,373	689	316	38	15	212	50	1,771	750	1,486	707	325	75	44	112	94	-170	9
92	20	16	1	25	1	N/P	N/P	N/P	N/P	N/P	0	0	0	0	10,000	225	2,000	4,446	3,329	-16	N/P
93	20	0	0	0	0	N/P	N/P	N/P	N/P	N/P	0	0	0	0	750	25	159	333	232	0	N/P
94	20	0	0	0	0	N/P	N/P	N/P	N/P	N/P	0	0	0	0	1,350	25	287	600	438	0	N/P
95	20	0	0	0	0	N/P	N/P	N/P	N/P	N/P	0	0	0	0	3,930	800	400	1,747	983	0	N/P
96	20	2,019	399	598	246	N/P	N/P	N/P	N/P	N/P	3,056	400	1,443	1,623	4,000	75	850	1,778	1,297	1,037	N/P
97	20	2,357	461	649	460	N/P	N/P	N/P	N/P	N/P	2,327	450	1,000	1,236	2,850	275	606	1,267	702	-30	N/P
98	20	2,679	1,170	1,378	943	498	358	21	78	41	2,792	1,200	1,924	1,691	300	100	64	133	3	113	-198
99	20	16,552	94	731	1,347	N/P	N/P	N/P	N/P	N/P	2,225	100	1,011	1,183	38,000	711	8,000	16,895	12,395	-14,328	N/P
100	20	283	12	1,946	21	N/P	N/P	N/P	N/P	N/P	26	10	13	13	4,500	150	950	2,001	1,399	-257	N/P
101	20	442	101	648	97	N/P	N/P	N/P	N/P	N/P	633	100	305	336	5,000	100	1,050	2,223	1,627	192	N/P
102	24	1,879	813	1,186	840	N/P	N/P	N/P	N/P	N/P	1,651	700	997	1,054	200	66	28	61	45	-228	N/P
103	24	221	108	138	119	47	10	4	23	11	186	90	128	120	100	50	14	30	6	-35	53
104	24	1,612	540	1,065	510	N/P	N/P	N/P	N/P	N/P	1,426	550	685	603	175	58	25	53	39	-186	N/P
105	24	1,028	372	891	477	415	150	53	146	66	1,124	400	1,105	276	425	175	60	129	61	96	10
106	24	637	349	236	234	1,377	541	191	444	201	726	390	479	297	1,600	725	200	486	189	89	223
107	21	0	0	0	0	N/P	N/P	N/P	N/P	N/P	0	0	0	0	0	0	0	0	0	0	N/P
108	21	3,047	1,115	1,878	1,494	289	120	11	49	110	2,884	1,100	2,526	1,267	300	125	30	79	66	-163	11
109	22	65	43	54	34	134	24	11	27	72	79	50	85	48	150	65	15	35	36	14	16
110	21	3,558	1,392	1,804	1,574	43	14	5	16	8	3,543	1,400	2,512	1,767	50	25	5	13	7	-15	7
111	21	899	376	798	500	N/P	N/P	N/P	N/P	N/P	916	375	889	550	80	21	8	21	30	17	N/P
112	21	1,103	442	850	552	441	36	38	112	255	1,061	440	962	447	450	125	45	119	162	-42	9
113	21	1,087	464	824	505	N/P	N/P	N/P	N/P	N/P	1,104	465	1,106	599	10	1	1	3	6	17	N/P
114	21	1,098	467	524	460	N/P	N/P	N/P	N/P	N/P	1,144	475	596	578	0	0	0	0	0	46	N/P
115	22	2,659	1,470	1,440	1,516	80	53	5	15	7	2,777	1,500	2,993	1,794	100	43	10	23	24	118	20
116	22	1,326	592	563	625	N/P	N/P	N/P	N/P	N/P	1,113	600	1,082	772	30	13	3	7	7	-213	N/P
117	22	609	343	430	310	499	374	13	84	29	573	340	578	303	500	300	50	116	34	-36	1
118	22	709	349	509	381	108	33	6	44	26	681	350	600	361	100	50	10	23	17	-28	-8
119	22	189	111	431	101	91	8	16	22	44	180	110	189	96	90	39	9	21	21	-9	-1
120	21	2,998	1,140	1,898	1,288	170	8	12	58	93	2,900	1,140	1,775	1,339	175	30	17	46	82	-98	5
121	21	1,911	739	1,493	968	87	72	3	8	4	1,808	730	1,896	905	100	60	10	26	4	-103	13
122	22	1,531	675	701	701	N/P	N/P	N/P	N/P	N/P	1,479	675	1,000	776	250	108	25	58	60	-52	N/P
123	21	3,668	1,505	2,697	1,661	216	54	6	41	115	3,730	1,500	3,265	1,845	225	57	22	59	86	62	9
124	21	2,213	907	2,103	1,062	36	7	1	23	4	2,247	900	2,206	1,072	40	10	4	11	16	34	4
125	22	3,263	1,446	1,676	1,576	167	85	8	61	13	3,174	1,450	2,144	1,714	175	100	17	41	17	-89	8
126	22	2,731	1,163	1,447	1,243	47	12	15	17	3	2,601	1,175	2,716	1,509	50	22	5	12	12	-130	3
127	21	1,027	419	863	501	62	22	23	11	7	1,047	420	818	540	75	17	7	20	31	20	13
128	21	1,261	472	1,103	542	12	0	6	4	3	1,218	475	1,087	608	10	3	1	3	3	-43	-2

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NORFOLK
2009 AND 2040 TAZ DATA

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
129	21	1,308	557	1,250	646	256	106	24	73	53	1,322	550	1,204	663	250	100	25	66	59	14	-6
130	21	1,752	687	1,166	794	313	107	46	85	75	1,793	690	1,227	906	325	125	32	86	82	41	12
131	23	1,082	431	1,012	454	N/P	N/P	N/P	N/P	N/P	1,418	600	1,423	682	10	0	1	3	5	336	N/P
132	23	1,347	620	896	629	N/P	N/P	N/P	N/P	N/P	1,318	625	883	317	200	6	27	69	98	-29	N/P
133	27	1,097	399	958	666	186	0	5	44	137	1,091	450	1,068	558	200	28	5	48	119	-6	14
134	27	895	375	673	546	N/P	N/P	N/P	N/P	N/P	919	375	941	470	50	7	5	12	26	24	N/P
135	24	1,066	437	776	438	833	111	163	422	137	1,062	425	875	394	850	300	125	258	167	-4	17
136	24	2,855	967	1,162	1,296	450	41	3	110	297	2,857	1,000	1,827	1,221	525	174	74	159	118	2	75
137	24	1,716	645	1,528	747	1,134	442	292	203	198	1,824	675	1,232	772	1,100	550	154	334	62	108	-34
138	28	2,543	1,052	1,796	1,325	174	12	34	100	29	2,565	1,050	2,482	1,581	175	40	39	64	32	22	1
139	28	69	22	64	27	198	39	51	31	77	81	25	44	42	200	50	44	73	33	12	2
140	28	1,518	573	1,882	722	395	63	156	112	64	1,558	575	1,707	823	400	100	88	146	66	40	5
141	28	1,948	721	1,241	829	N/P	N/P	N/P	N/P	N/P	1,875	725	1,673	833	100	25	21	36	17	-73	N/P
142	28	1,852	793	1,330	1,006	87	24	8	34	20	1,906	800	1,670	997	100	25	19	36	19	54	13
143	28	624	210	459	268	6,562	1,429	1,188	2,887	1,057	544	210	528	333	6,650	2,300	800	2,424	1,126	-80	88
144	28	3,769	1,433	2,537	1,887	185	9	9	66	101	3,843	1,450	2,708	1,974	200	50	41	73	36	74	15
145	28	329	119	309	170	1,280	22	619	390	250	265	100	163	131	1,300	250	286	474	290	-64	20
146	28	2,049	687	1,235	1,068	219	12	48	41	118	2,012	700	1,553	973	225	50	49	82	44	-37	6
147	27	2,311	809	1,454	1,025	829	48	400	161	221	2,383	850	1,692	1,058	825	150	275	197	203	72	-4
148	27	2,954	1,190	2,056	1,306	197	39	39	69	50	3,090	1,200	2,298	1,393	200	75	30	48	47	136	3
149	27	2,627	932	1,763	1,077	287	130	38	70	48	2,527	940	1,450	1,121	300	170	40	72	18	-100	13
150	28	949	338	698	500	473	26	289	83	75	929	340	758	473	475	100	106	173	96	-20	2
151	30	0	0	0	0	6,691	1,104	2,234	2,138	1,215	0	0	0	0	6,750	1,900	1,500	2,102	1,248	0	59
152	28	1,378	476	932	591	365	51	57	134	122	1,363	475	1,119	722	375	75	81	137	82	-15	10
153	28	1,897	675	1,347	861	714	355	61	198	101	1,803	675	1,585	954	750	400	50	273	27	-94	36
154	29	13	4	7	5	1,447	13	482	578	372	16	5	10	4	1,750	450	295	606	400	3	303
155	28	322	41	136	127	1,190	8	17	256	909	103	40	26	24	1,200	300	25	437	438	-219	10
156	29	1,768	478	707	571	2,436	1,299	403	486	247	2,056	700	1,326	1,096	2,625	1,350	350	909	16	287	189
157	29	157	44	144	74	1,277	278	306	352	341	128	45	72	101	1,300	350	219	450	281	-29	23
158	29	954	349	583	399	1,734	15	247	807	665	860	350	880	481	1,750	436	295	606	414	-94	16
159	29	753	297	952	350	381	50	34	221	76	704	300	753	393	750	200	126	260	164	-49	369
160	29	135	64	125	57	1,622	900	89	407	226	73	60	27	33	1,800	925	100	623	152	-62	178
161	29	772	257	519	308	1,359	229	707	247	176	696	250	193	323	1,700	450	286	589	375	-76	341
162	29	1,745	715	1,351	877	453	33	196	136	87	1,988	850	1,910	967	700	174	118	242	165	243	247
163	30	240	98	292	138	338	15	133	102	87	235	100	293	143	350	50	130	109	61	-6	12
164	29	594	266	821	294	1,931	14	380	782	754	598	275	645	311	2,400	598	300	831	671	4	469
165	29	3,170	1,176	2,282	1,549	2,346	1,182	251	641	271	3,178	1,200	3,265	1,684	2,475	1,250	250	857	118	8	129
166	30	3,093	1,228	2,253	1,667	3,102	18	1,285	1,024	774	3,153	1,225	3,225	1,543	3,100	350	900	965	885	60	-2
167	28	1,193	396	850	419	327	231	5	80	11	1,094	400	710	629	325	130	73	118	4	-99	-2
168	25	1,019	350	898	458	N/P	N/P	N/P	N/P	N/P	971	375	990	522	75	23	21	24	7	-48	N/P
169	25	236	91	157	127	N/P	N/P	N/P	N/P	N/P	232	90	238	124	20	6	6	6	2	-4	N/P
170	25	0	0	0	0	1,696	108	740	637	212	0	0	0	0	1,750	550	501	549	150	0	54
171	28	3	1	5	1	1,115	159	483	416	58	0	0	0	0	1,150	425	249	419	57	-3	35
172	24	2,145	895	1,137	945	853	456	14	225	158	2,210	900	1,331	1,057	850	550	19	258	23	65	-3
173	24	1,647	620	552	725	359	14	3	82	261	1,701	625	925	814	350	116	49	106	78	54	-9
174	28	1,486	632	899	621	341	185	8	126	22	2,288	950	1,795	1,338	350	125	76	128	21	802	9
175	24	0	0	0	0	141	27	15	74	26	0	0	0	0	150	50	21	46	34	0	9
176	25	4,633	1,814	3,271	1,727	1,076	488	45	360	183	4,504	1,825	3,299	1,966	1,100	600	55	345	100	-129	24
177	25	1,707	658	1,422	829	256	54	6	129	67	1,731	650	1,555	943	250	76	72	78	24	24	-6
178	21	1,995	791	1,759	1,008	132	9	18	31	73	2,442	1,000	2,638	1,191	150	35	15	40	61	447	18
179	21	2,126	840	1,798	1,026	26	0	15	8	3	2,199	850	1,979	1,359	25	7	2	7	9	73	-1
180	22	2,339	1,018	1,273	1,002	65	56	2	5	2	2,230	1,025	1,557	1,181	75	32	7	17	18	-109	10
181	22	3,075	1,240	1,536	1,305	282	101	80	57	44	3,289	1,400	1,828	1,750	325	140	32	75	77	213	43
182	21	1,521	539	1,470	664	20	0	5	10	5	1,533	600	1,533	848	20	5	2	5	7	12	0
183	22	2,151	857	836	936	192	90	14	53	35	2,399	1,000	2,001	1,101	250	140	25	58	27	247	58
184	25	2,732	1,006	2,959	991	1,357	641	77	269	370	2,677	1,075	2,260	1,193	1,400	800	70	439	91	-55	43
185	21	75	28	47	37	N/P	N/P	N/P	N/P	N/P	40	20	35	17	30	8	3	8	11	-35	N/P
186	29	1	1	1	0	93	0	23	43	27	0	0	0	0	675	168	25	234	248	-1	582
187	29	535	12	27	251	476	151	12	87	226	0	0	0	0	600	200	10	208	182	-535	124
188	29	1,287	449	1,096	583	434	241	8	129	56	1,220	450	1,140	671	450	250	10	156	34	-67	16
189	29	192	63	237	86	N/P	N/P	N/P	N/P	N/P	196	70	177	108	10	2	2	3	2	4	N/P
190	29	658	174	503	260	461	10	48	185	218	709	175	270	214	500	125	50	173	152	51	39
191	29	0	0	0	0	3,608	682	412	1,473	1,042	0	0	0	0	3,750	1,100	350	1,298	1,002	0	142

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NORFOLK
2009 AND 2040 TAZ DATA

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
192	29	1,034	379	514	505	3,273	738	331	1,491	712	987	375	724	454	4,000	1,600	300	1,385	715	-47	727
193	29	325	116	226	104	N/P	N/P	N/P	N/P	N/P	761	275	734	428	400	100	20	138	142	436	N/P
194	31	1	1	1	1	585	0	468	58	58	0	0	0	0	575	25	384	85	81	-1	-10
195	31	23	7	22	10	2,532	0	2,006	264	262	24	0	0	23	2,400	100	1,500	353	447	1	-132
196	31	1,072	438	766	435	583	67	70	176	270	1,086	435	590	405	575	70	384	85	36	14	-8
197	31	193	69	53	77	N/P	N/P	N/P	N/P	N/P	196	75	17	0	25	1	17	4	4	3	N/P
198	31	681	247	480	311	195	99	46	29	21	704	250	387	291	200	7	134	29	30	23	5
199	31	0	0	0	0	N/P	N/P	N/P	N/P	N/P	0	0	0	0	900	33	601	132	134	0	N/P
200	31	1,075	410	475	423	1,632	0	1,292	172	168	1,100	410	427	404	1,500	175	850	221	254	25	-132
201	31	163	69	101	68	95	55	3	14	23	187	75	147	73	100	15	67	15	3	24	5
202	31	2,710	874	1,005	672	N/P	N/P	N/P	N/P	N/P	2,680	910	769	461	600	22	401	88	89	-30	N/P
204	31	8	5	3	3	40	0	33	4	2	8	5	2	4	250	9	40	37	164	0	210
205	31	6	2	4	2	79	11	11	34	23	0	0	0	0	300	25	15	44	216	-6	221
206	31	12	5	15	5	117	16	67	19	15	12	5	2	5	100	10	67	15	8	0	-17
207	31	825	243	166	199	59	0	0	12	47	845	250	93	118	50	2	33	7	7	20	-9
208	31	604	218	384	232	44	11	25	6	2	1,160	450	849	458	50	2	33	7	7	556	6
902	23	1,919	941	1,854	899	270	22	70	112	66	1,915	950	1,797	853	275	50	37	95	93	-4	5
907	33	0	0	0	0	5,289	257	1,787	2,294	951	7	0	0	0	5,000	675	948	2,716	661	7	-289
	TOTAL	**237,624**	**85,218**	**139,210**	**96,048**	**142,304**	**23,723**	**28,868**	**51,615**	**38,097**	**253,200**	**91,500**	**189,400**	**122,000**	**234,200**	**44,500**	**40,200**	**90,300**	**59,200**	**15,576**	**91,896**

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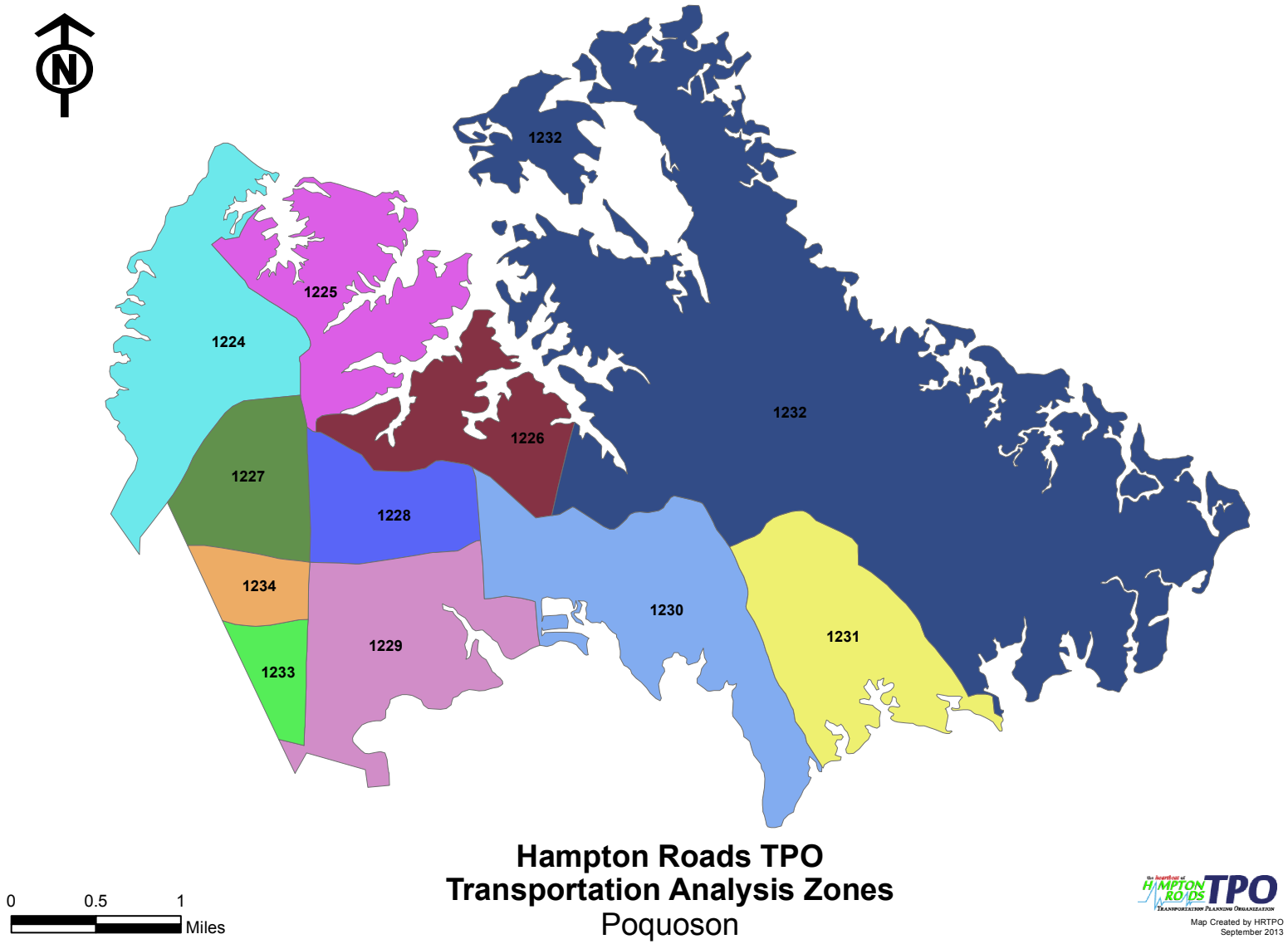
September 2013
2009&2040_TAZ_Data_09.13.13

Map 16: Poquoson Transportation Analysis Zones



POQUOSON
2009 AND 2040 TAZ DATA

NOTES: TAZ's with "N/P" in the employment column cannot have their 2009 employment data disclosed due to VEC regulations.
Data is sorted by TAZ number.

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
1224	130	2,341	833	2,755	1,015	N/P	N/P	N/P	N/P	N/P	2,362	861	2,175	1,202	86	3	22	62	25	21	N/P
1225	130	1,334	512	1,567	790	550	16	90	239	206	1,328	520	1,586	741	452	5	65	72	62	-6	-98
1226	130	585	267	793	290	173	24	60	43	46	675	287	701	319	273	55	71	63	58	90	100
1227	130	1,532	582	1,545	862	129	40	32	55	3	1,558	625	1,230	756	370	120	137	247	62	26	241
1228	130	1,065	396	1,201	539	668	293	54	155	166	1,058	401	1,071	503	775	215	74	325	275	-7	107
1229	130	1,469	569	1,855	838	439	204	39	133	63	1,446	570	1,445	751	675	142	56	176	89	-23	236
1230	130	2,120	726	2,111	1,042	41	0	35	4	2	2,044	725	2,001	986	75	6	40	10	3	-76	34
1231	130	554	194	576	319	N/P	N/P	N/P	N/P	N/P	570	207	444	247	44	0	10	15	13	16	N/P
1232	130	568	206	715	327	200	33	22	41	105	590	221	475	255	275	55	37	71	133	22	75
1233	130	313	102	350	187	N/P	N/P	N/P	N/P	N/P	326	108	228	151	35	15	0	72	16	13	N/P
1234	130	0	0	0	0	222	49	30	95	49	444	175	444	89	550	104	128	287	114	444	328
	TOTAL	**11,881**	**4,387**	**13,468**	**6,209**	**2,423**	**658**			**640**	**12,400**	**4,700**	**11,800**	**6,000**	**3,610**	**720**	**640**	**1,400**	**850**	**519**	**1,187**

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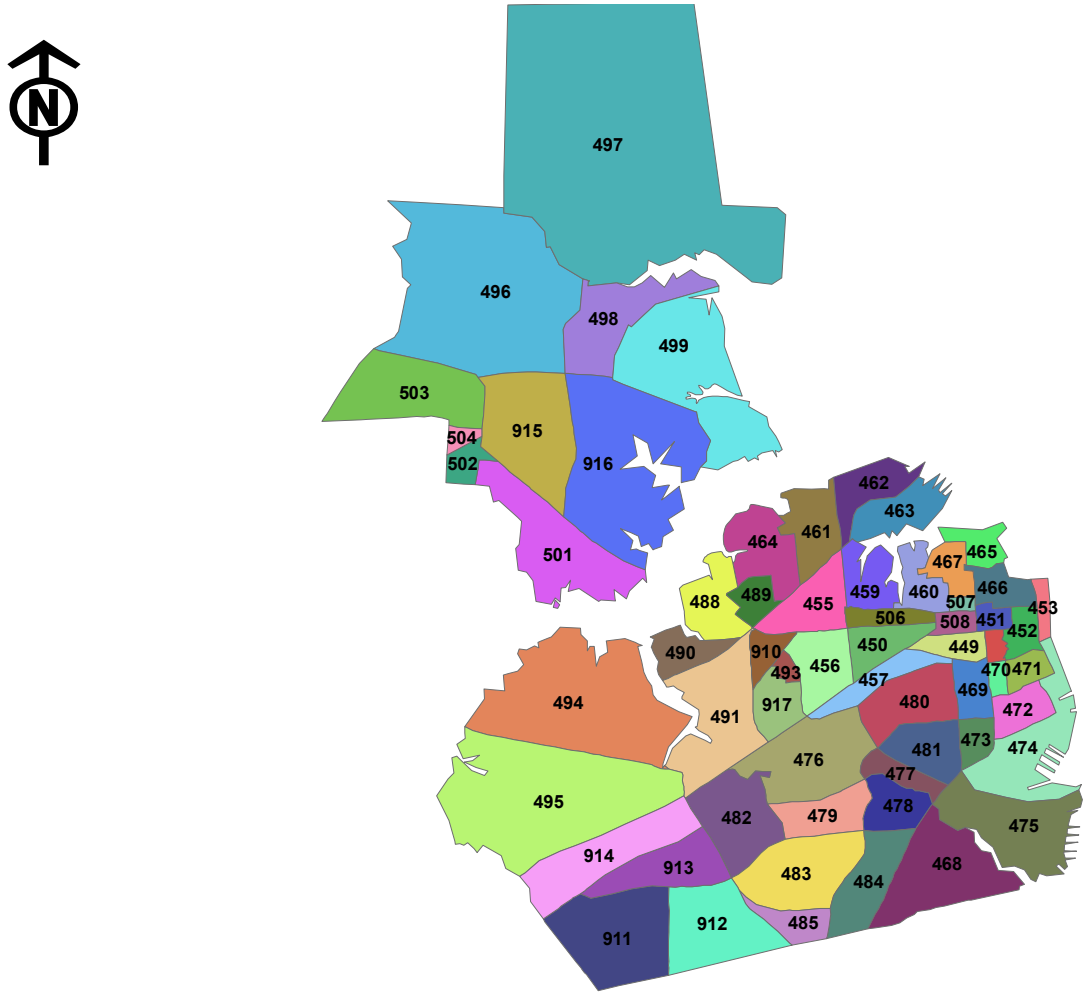
September 2013
2009&2040_TAZ_Data_09.13.13

Map 17: Portsmouth Transportation Analysis Zones



0 1 2 Miles

Hampton Roads TPO
Transportation Analysis Zones
Portsmouth

Map Created by HRTPO
September 2013

PORTSMOUTH
2009 AND 2040 TAZ DATA

NOTES: TAZ's with "N/P" in the employment column cannot have their 2009 employment data disclosed due to VEC regulations.
Data is sorted by TAZ number.

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
449	40	429	177	514	190	255	0	42	114	100	1,370	566	246	241	75	5	11	32	27	941	-180
450	40	312	111	127	91	818	52	400	180	186	245	87	161	92	445	123	168	77	78	-67	-373
451	40	242	118	159	113	791	305	118	234	133	317	179	241	207	766	442	79	157	88	76	-25
452	40	564	376	251	304	1,428	192	180	717	339	578	343	456	77	1,270	614	95	383	178	14	-158
453	40	758	271	227	356	2,005	101	380	907	617	1,263	556	620	172	3,974	74	774	1,873	1,254	505	1,969
454	40	332	147	155	140	N/P	N/P	N/P	N/P	N/P	325	145	205	213	86	61	4	13	8	-7	N/P
455	40	1,680	719	850	613	1,541	34	995	300	211	1,591	687	1,165	629	1,050	319	482	147	102	-89	-490
456	40	1,903	919	1,134	478	1,036	422	135	233	246	1,459	629	286	313	691	368	71	123	128	-444	-345
457	40	654	250	108	163	398	6	187	96	109	232	97	62	38	95	7	41	22	24	-422	-303
459	40	1,028	424	729	517	623	23	431	108	60	1,044	435	977	468	78	7	50	13	7	16	-545
460	40	965	379	502	469	15	0	10	3	2	801	329	852	372	216	123	59	20	14	-164	201
461	41	2,398	1,055	1,583	1,258	330	29	136	93	71	2,254	997	1,939	1,308	356	98	116	81	61	-144	26
462	40	0	0	0	0	N/P	N/P	N/P	N/P	N/P	0	0	0	0	432	0	108	202	122	0	N/P
463	40	81	27	0	43	760	0	169	338	253	46	24	9	21	309	0	69	139	102	-35	-451
464	41	1,811	775	1,678	865	N/P	N/P	N/P	N/P	N/P	1,826	784	1,422	637	159	49	71	22	18	15	N/P
465	40	204	1	211	0	2,265	88	486	966	725	177	0	90	177	15,430	1,475	609	5,108	8,238	-27	13,165
466	40	1,734	1,016	1,037	989	2,232	127	287	937	881	2,063	1,137	2,026	1,127	1,957	123	249	824	762	329	-275
467	40	1,684	539	811	701	N/P	N/P	N/P	N/P	N/P	1,638	537	678	689	466	49	46	147	223	-46	N/P
468	41	4,428	1,677	2,712	1,993	1,139	427	93	332	287	4,245	1,645	3,729	1,998	622	319	39	142	121	-183	-517
469	40	1,420	507	619	504	N/P	N/P	N/P	N/P	N/P	1,451	493	625	368	102	37	9	28	27	31	N/P
470	40	392	152	12	88	N/P	N/P	N/P	N/P	N/P	409	145	157	93	30	12	4	8	6	17	N/P
471	40	4	2	2	1	1,289	41	230	684	334	5	2	1	0	205	0	37	113	54	1	-1,085
472	40	1,279	586	474	532	1,032	61	610	252	108	1,334	566	562	423	277	37	151	63	26	55	-754
473	40	682	291	359	232	N/P	N/P	N/P	N/P	N/P	565	237	366	263	85	0	2	20	64	-117	N/P
474	40	25	8	26	10	10,612	150	2,375	4,624	3,463	95	6	150	51	9,991	160	3,367	5,144	1,320	70	-620
475	40	179	83	26	72	653	23	237	194	199	163	77	394	94	10,200	986	3,739	5,144	331	-16	9,547
476	41	2,934	1,339	1,763	1,168	291	78	24	61	128	2,226	968	1,679	853	290	49	27	70	144	-708	-1
477	41	254	93	125	100	N/P	N/P	N/P	N/P	N/P	231	82	159	100	98	37	38	10	13	-23	N/P
478	41	775	303	406	296	N/P	N/P	N/P	N/P	N/P	843	314	614	366	94	37	9	29	19	68	N/P
479	41	1,628	614	852	805	122	14	3	27	78	1,791	677	1,294	559	186	123	1	16	46	163	64
480	40	3,304	1,159	1,691	1,136	347	10	65	111	162	3,336	1,166	1,281	1,427	54	5	9	16	24	32	-294
481	40	1,482	575	935	531	857	11	123	366	357	1,389	542	861	428	376	49	47	143	137	-93	-481
482	41	1,029	360	192	385	635	526	27	50	32	3,479	1,224	1,517	1,330	1,142	491	160	300	190	2,450	507
483	41	1,800	737	1,536	781	170	23	0	31	117	3,321	1,325	2,899	1,455	318	49	0	57	212	1,521	147
484	41	2,475	997	1,606	962	280	116	65	67	31	2,314	924	2,227	1,150	655	418	94	98	45	-161	375
485	41	273	136	227	118	1,082	23	362	416	281	279	131	285	123	565	37	179	210	139	6	-517
488	41	1,414	768	1,212	793	5,685	17	789	2,405	2,474	854	435	954	415	152	12	19	60	61	-560	-5,533
489	41	171	76	142	77	188	0	8	47	132	172	73	128	81	1,680	197	66	376	1,041	1	1,492
490	41	1,107	468	767	543	212	0	34	102	76	1,007	450	816	433	125	49	12	36	27	-100	-88
491	41	2,870	1,251	2,321	1,272	1,150	473	92	388	198	2,500	1,064	2,859	1,374	1,431	786	86	371	187	-370	281
493	41	0	0	0	0	612	173	68	240	130	0	0	0	0	1,004	737	41	147	79	0	392
494	41	5,190	2,205	4,779	2,630	470	63	115	82	211	4,530	1,935	4,873	2,049	523	258	74	54	137	-660	53
495	41	6,994	3,111	6,042	3,250	1,731	482	204	510	535	6,300	2,806	6,309	3,156	2,402	1,474	151	382	395	-694	671
496	42	9,441	3,347	7,940	5,045	817	87	20	178	533	9,368	3,372	8,721	5,160	395	147	6	61	180	-73	-423
497	42	0	0	0	0	129	0	29	57	43	38	0	0	0	1,366	0	302	612	452	38	1,237
498	42	2,214	324	108	1,552	N/P	N/P	N/P	N/P	N/P	347	106	179	235	470	25	118	191	137	-1,867	N/P
499	42	267	126	194	126	N/P	N/P	N/P	N/P	N/P	476	102	300	321	1,232	123	624	188	298	209	N/P
501	42	2,120	1,039	2,028	983	377	78	24	92	184	1,951	972	2,280	1,112	113	12	8	31	61	-169	-264
502	42	10	5	17	4	1,152	626	90	336	100	10	5	6	7	989	614	64	241	71	0	-163
503	42	5,088	1,965	2,788	2,330	154	14	35	68	38	4,952	1,916	4,189	2,729	359	295	16	31	17	-136	204
504	42	3	1	4	1	596	182	66	191	156	3	1	1	2	520	430	14	42	34	0	-76
506	40	203	72	133	57	436	65	38	130	202	145	48	75	48	282	197	9	30	46	-58	-154
507	40	239	22	7	62	77	0	11	33	33	157	1	27	45	363	86	39	120	118	-82	286
508	40	56	4	30	15	413	233	27	112	42	505	150	205	148	281	123	24	99	36	449	-132

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PORTSMOUTH
2009 AND 2040 TAZ DATA

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
910	41	316	132	279	147	1,172	118	143	481	430	170	77	196	92	638	393	33	112	99	-146	-534
911	41	3,277	1,109	2,974	1,620	N/P	N/P	N/P	N/P	N/P	3,119	1,064	2,970	1,497	450	74	34	141	201	-158	N/P
912	41	3,668	1,355	2,791	1,477	487	195	15	107	170	3,540	1,316	3,006	1,602	90	0	4	33	52	-128	-397
913	41	2,474	783	1,083	897	217	10	43	82	82	2,113	764	1,459	931	529	86	91	176	175	-361	312
914	41	245	123	266	105	3,266	424	1,419	925	498	1,683	174	371	743	657	319	168	111	59	1,438	-2,609
915	42	3,293	1,162	3,453	1,455	1,334	31	18	285	1,000	2,823	1,137	2,888	1,431	376	197	3	40	137	-470	-958
916	42	4,948	1,904	4,504	2,646	N/P	N/P	N/P	N/P	N/P	5,542	2,240	6,192	2,654	272	49	99	70	54	594	N/P
917	41	1,403	520	909	570	595	115	116	223	142	1,192	435	860	473	558	233	78	152	95	-211	-37
	TOTAL	**98,152**	**38,797**	**68,410**	**44,659**	**54,274**	**6,266**	**11,574**	**19,515**	**16,919**	**98,200**	**38,700**	**80,100**	**44,600**	**70,400**	**13,700**	**13,200**	**24,900**	**18,600**	**48**	**16,126**

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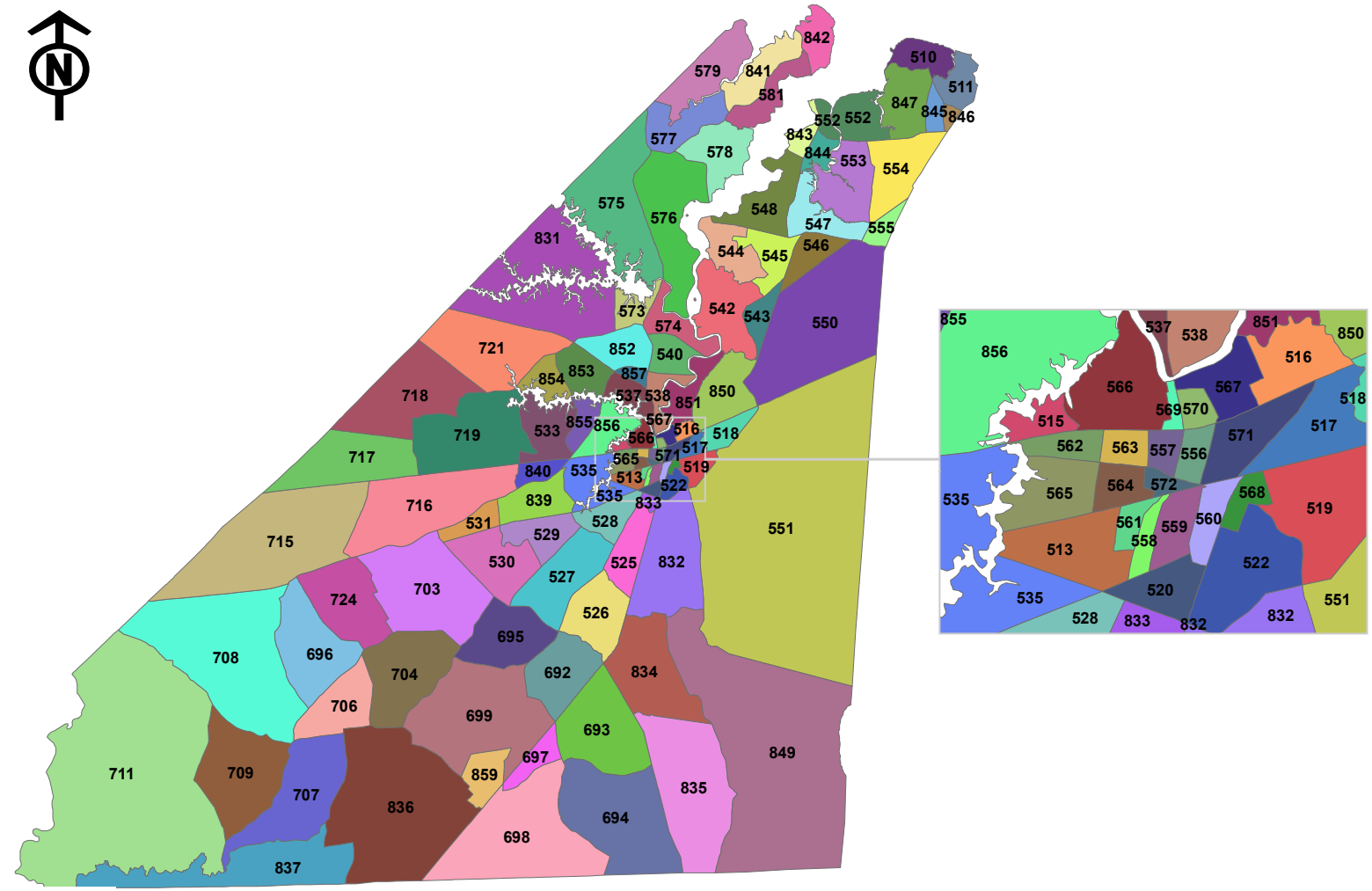
Map 18: Suffolk Transportation Analysis Zones



0 2.5 5 Miles

Hampton Roads TPO
Transportation Analysis Zones
Suffolk

Map Created by HRTPO
September 2013

SUFFOLK
2009 AND 2040 TAZ DATA

NOTES: TAZ's with "N/P" in the employment column cannot have their 2009 employment data disclosed due to VEC regulations.
Data is sorted by TAZ number.

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
510	53	34	11	33	16	649	67	55	390	138	5,582	2,000	3,997	0	2,450	300	150	1,500	500	5,548	1,801
511	53	4,966	1,585	3,899	2,289	1,163	110	185	442	426	5,029	1,600	3,192	2,338	1,985	300	185	1,000	500	63	822
513	50	1,080	410	950	397	N/P	N/P	N/P	N/P	N/P	1,445	540	642	493	485	10	350	75	50	365	N/P
515	50	218	72	126	58	11	0	2	6	4	365	120	223	111	15	0	5	5	5	147	4
516	50	373	177	335	181	301	39	99	115	48	408	190	349	171	380	100	100	130	50	35	79
517	50	1,478	558	905	557	N/P	N/P	N/P	N/P	N/P	1,567	575	753	454	15	0	5	5	5	89	N/P
518	51	918	341	579	446	328	0	45	72	211	1,421	550	789	361	400	0	75	75	250	503	72
519	50	3,597	1,370	2,032	1,339	516	11	125	232	149	5,144	1,900	3,112	1,654	555	25	0	330	200	1,547	39
520	50	1,098	419	690	445	79	0	20	28	31	1,260	470	674	369	105	25	20	30	30	162	26
522	50	1,400	523	1,176	604	288	22	44	66	155	1,771	615	811	578	300	25	50	65	160	371	12
525	52	79	33	49	37	63	0	26	13	24	171	70	155	86	815	15	500	150	150	92	752
526	52	371	145	379	173	18	0	17	1	0	565	215	476	282	25	0	20	0	5	194	7
527	52	381	177	561	177	95	39	23	11	22	709	320	707	356	600	100	200	100	200	328	505
528	52	553	214	675	258	219	29	80	63	47	2,670	1,000	2,226	1,339	925	125	500	100	200	2,117	706
529	52	195	74	265	91	N/P	N/P	N/P	N/P	N/P	673	250	554	336	20	0	20	0	0	478	N/P
530	52	235	88	316	109	N/P	N/P	N/P	N/P	N/P	547	200	441	273	20	0	15	5	0	312	N/P
531	52	115	40	126	60	207	0	166	21	21	240	80	187	121	775	100	600	50	25	125	568
533	51	318	129	464	164	52	0	36	14	2	759	300	732	342	455	0	400	50	5	441	403
535	52	1,127	438	1,027	583	623	114	209	114	185	2,102	800	1,866	1,057	680	150	210	120	200	975	57
537	51	370	168	430	181	3,974	1,971	362	1,006	635	2,728	1,200	2,928	1,231	4,265	2,200	365	1,050	650	2,358	291
538	51	1,164	176	389	547	N/P	N/P	N/P	N/P	N/P	2,327	500	520	1,167	2,605	1,000	5	1,500	100	1,163	N/P
540	51	3,215	951	2,386	1,512	2,394	29	386	1,002	977	5,641	1,800	4,221	2,834	3,240	250	390	1,500	1,100	2,426	846
542	51	1,151	389	1,057	514	659	0	154	148	357	5,485	1,800	3,797	2,096	725	0	200	150	375	4,334	66
543	51	639	213	647	286	N/P	N/P	N/P	N/P	N/P	931	300	632	356	100	0	100	0	0	292	N/P
544	51	295	115	377	132	N/P	N/P	N/P	N/P	N/P	1,535	600	1,264	593	20	0	5	0	15	1,240	N/P
545	51	734	208	652	328	N/P	N/P	N/P	N/P	N/P	1,367	520	1,096	522	385	25	100	60	200	633	N/P
546	51	143	51	137	64	178	23	109	25	21	1,621	600	1,268	612	230	25	150	25	30	1,478	52
547	53	3,327	1,098	2,524	1,717	332	40	36	77	178	5,605	2,000	5,062	2,892	500	50	100	100	250	2,278	168
548	53	1,895	445	1,499	751	N/P	N/P	N/P	N/P	N/P	2,957	1,000	2,529	1,526	325	25	50	50	200	1,062	N/P
550	51	142	59	199	64	180	0	130	39	11	247	100	210	94	2,150	50	1,500	500	100	105	1,970
551	52	630	221	469	254	17	0	11	2	4	874	300	656	449	25	0	15	5	5	244	8
552	53	974	399	1,138	507	260	108	16	104	33	4,327	1,750	5,275	2,783	440	265	20	105	50	3,353	180
553	53	3,257	1,102	4,213	1,681	601	232	86	151	131	7,312	2,700	6,830	3,777	750	350	0	200	200	4,055	149
554	53	2,715	1,024	2,240	1,236	506	47	129	197	133	6,540	2,500	3,945	2,686	2,350	350	500	1,000	500	3,825	1,844
555	53	101	38	123	46	362	28	190	69	75	274	100	164	113	750	50	400	200	100	173	388
556	50	437	175	248	155	459	105	52	126	176	442	175	261	155	850	200	0	350	300	5	391
557	50	471	223	487	172	961	71	171	458	261	476	225	326	200	1,325	300	0	750	275	5	364
558	50	636	241	632	234	17	0	3	9	4	657	245	292	224	30	10	5	10	5	21	13
559	50	627	217	332	231	N/P	N/P	N/P	N/P	N/P	764	260	309	261	755	5	500	150	100	137	N/P
560	50	282	114	301	104	N/P	N/P	N/P	N/P	N/P	455	180	96	167	355	55	100	150	50	173	N/P
561	50	196	75	145	72	80	16	36	12	16	266	100	117	91	105	20	50	15	20	70	25
562	50	523	260	646	252	553	114	251	131	55	738	360	601	314	585	125	250	150	60	215	32
563	50	537	188	318	216	2,198	19	693	890	596	645	225	332	258	1,830	20	10	1,200	600	108	-368
564	50	918	386	561	370	360	16	73	167	104	1,041	430	641	416	430	50	75	200	105	123	70
565	50	932	444	782	451	N/P	N/P	N/P	N/P	N/P	965	450	752	411	130	30	10	65	25	33	N/P
566	50	1,166	423	1,414	510	N/P	N/P	N/P	N/P	N/P	1,143	500	766	352	355	5	0	200	150	-23	N/P
567	50	541	260	465	263	213	34	19	118	42	615	290	533	259	255	40	20	120	75	74	42
568	50	413	172	292	172	N/P	N/P	N/P	N/P	N/P	429	175	230	141	220	10	150	30	30	16	N/P
569	50	73	25	100	19	488	164	76	140	108	73	25	46	22	535	200	0	225	110	0	47
570	50	25	9	30	12	77	0	10	36	32	30	10	19	13	110	10	0	50	50	5	33
571	50	530	172	282	191	471	17	190	139	125	659	215	194	244	600	20	250	200	130	129	129
572	50	123	60	150	45	216	56	13	119	29	209	100	148	87	490	200	40	200	50	86	274
573	51	54	25	84	26	436	0	10	89	337	222	100	233	112	460	0	10	100	350	168	24
574	51	573	254	456	270	159	0	6	35	118	1,084	500	1,201	557	445	50	25	250	120	511	286
575	51	761	314	731	408	174	56	49	53	16	2,126	850	2,089	985	230	100	50	60	20	1,365	56
576	51	795	306	548	426	N/P	N/P	N/P	N/P	N/P	1,872	700	1,718	869	195	30	15	50	100	1,077	N/P
577	53	162	61	215	87	69	17	10	26	16	1,497	550	1,356	695	110	25	10	50	25	1,335	41
578	53	278	106	203	149	N/P	N/P	N/P	N/P	N/P	1,357	500	1,231	630	10	0	0	5	5	1,079	N/P
579	53	284	107	374	152	58	0	38	10	10	1,511	550	1,352	703	20	0	0	10	10	1,227	-38
581	53	369	148	479	198	116	94	6	12	5	2,574	1,000	2,454	1,200	120	100	5	10	5	2,205	4
692	54	223	94	307	100	N/P	N/P	N/P	N/P	N/P	367	150	376	157	15	0	15	0	0	144	N/P
693	54	271	108	338	131	N/P	N/P	N/P	N/P	N/P	402	155	339	207	10	0	0	5	5	131	N/P
694	54	235	96	269	113	N/P	N/P	N/P	N/P	N/P	362	140	306	188	10	0	10	0	0	127	N/P

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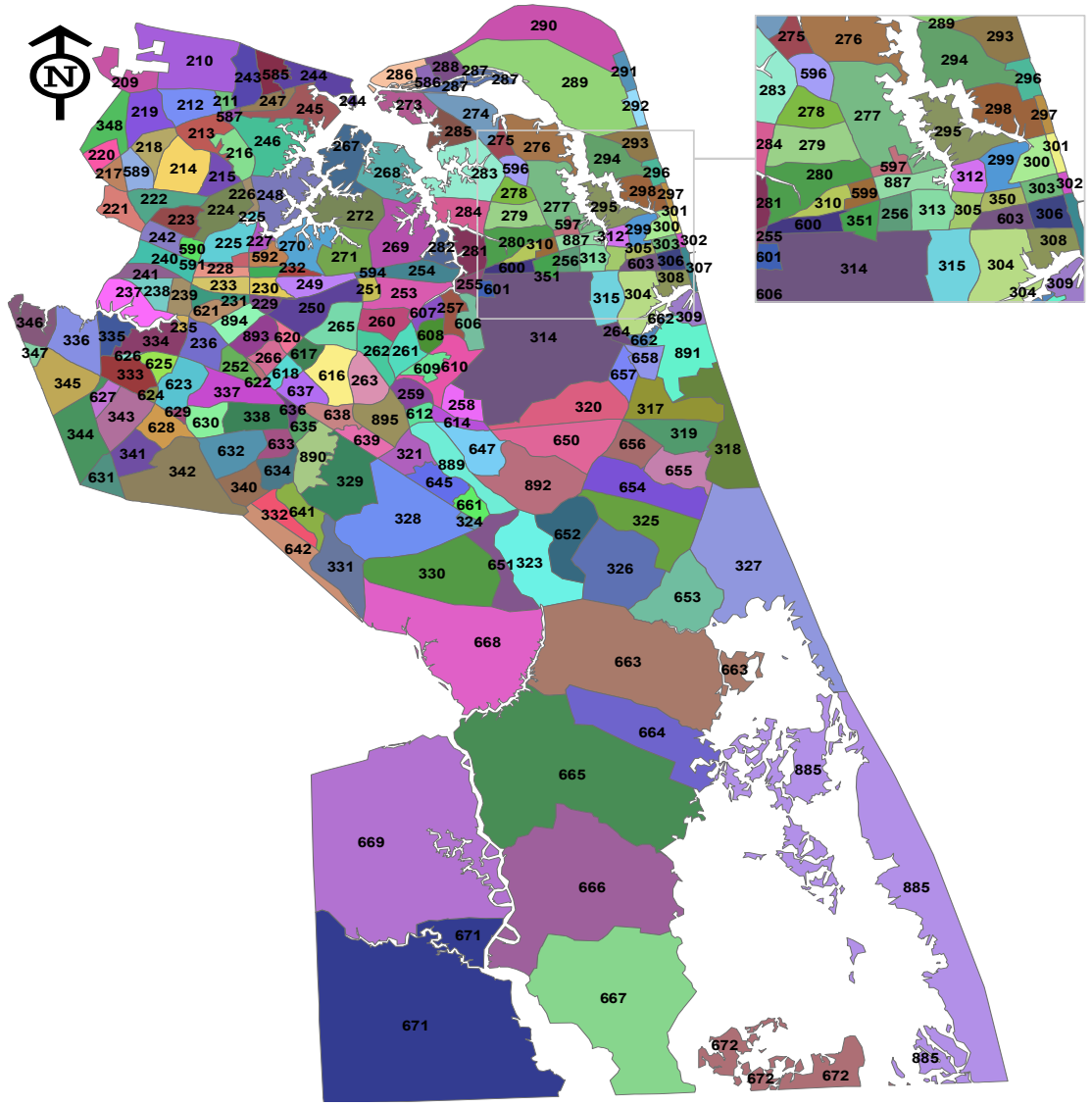
SUFFOLK
2009 AND 2040 TAZ DATA

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
695	54	264	107	332	118	N/P	N/P	N/P	N/P	N/P	379	150	376	163	0	0	0	0	0	115	N/P
696	54	428	159	491	197	N/P	N/P	N/P	N/P	N/P	831	300	749	359	70	30	30	5	5	403	N/P
697	54	48	17	58	23	N/P	N/P	N/P	N/P	N/P	113	50	112	60	5	0	5	0	0	65	N/P
698	54	215	89	258	103	N/P	N/P	N/P	N/P	N/P	369	150	327	190	10	0	10	0	0	154	N/P
699	54	514	198	627	231	57	0	51	6	0	601	225	563	260	65	0	55	10	0	87	8
703	54	360	145	446	177	108	0	104	4	0	527	205	468	223	130	0	125	5	0	167	22
704	54	280	104	319	124	10	0	9	0	0	472	170	425	203	10	0	10	0	0	192	0
706	54	123	47	106	55	N/P	N/P	N/P	N/P	N/P	327	120	298	141	0	0	0	0	0	204	N/P
707	54	208	78	249	96	N/P	N/P	N/P	N/P	N/P	412	150	379	191	90	0	15	45	30	204	N/P
708	54	963	376	1,246	452	N/P	N/P	N/P	N/P	N/P	1,322	500	1,251	570	305	25	150	30	100	359	N/P
709	54	323	128	387	149	N/P	N/P	N/P	N/P	N/P	468	180	389	199	0	0	0	0	0	145	N/P
711	54	622	270	674	282	64	0	61	2	1	830	350	758	354	75	0	65	5	5	208	11
715	54	775	293	918	378	109	8	42	21	37	1,418	520	1,185	601	150	25	45	40	40	643	41
716	54	377	159	383	196	172	28	6	36	102	557	225	524	280	3,000	100	2,500	200	200	180	2,828
717	54	230	89	323	119	N/P	N/P	N/P	N/P	N/P	345	130	318	155	5	0	5	0	0	115	N/P
718	54	302	115	316	151	24	0	19	2	3	490	180	438	220	30	0	25	0	5	188	6
719	54	547	198	573	282	N/P	N/P	N/P	N/P	N/P	609	215	524	275	310	0	300	10	0	62	N/P
721	54	555	234	726	261	132	9	45	25	52	778	310	727	389	140	10	50	25	55	223	8
724	54	222	86	257	108	N/P	N/P	N/P	N/P	N/P	318	120	274	135	155	10	10	10	125	96	N/P
831	54	1,230	468	1,794	578	N/P	N/P	N/P	N/P	N/P	4,116	1,500	3,579	2,067	560	50	200	160	150	2,886	N/P
832	52	394	159	375	189	73	0	68	3	2	3,749	1,500	3,268	1,923	260	115	100	25	20	3,355	187
833	52	598	256	653	280	69	0	15	32	22	648	270	596	325	125	0	50	50	25	50	56
834	54	278	106	395	134	31	0	25	4	3	446	170	372	229	35	0	25	5	5	168	4
835	54	152	60	188	73	N/P	N/P	N/P	N/P	N/P	332	130	285	170	10	0	5	5	0	180	N/P
836	54	524	216	861	242	96	9	44	22	20	767	300	656	324	110	10	50	25	25	243	14
837	54	152	56	212	70	17	8	7	1	0	281	100	253	128	20	5	10	5	0	129	3
839	52	1,416	567	1,595	733	277	64	35	66	112	2,567	1,000	2,330	1,290	490	100	175	100	115	1,151	213
840	52	986	405	1,093	510	628	287	70	181	91	1,270	500	1,167	638	670	300	70	200	100	284	42
841	53	884	352	970	473	27	11	10	5	2	3,107	1,200	2,948	1,444	35	15	10	5	5	2,223	8
842	53	1,057	441	1,098	566	N/P	N/P	N/P	N/P	N/P	1,519	615	1,510	704	180	25	15	50	90	462	N/P
843	53	1,166	441	1,025	602	39	7	0	32	0	3,356	1,240	3,137	1,731	40	10	0	20	10	2,190	1
844	53	182	72	164	94	166	51	8	82	26	5,150	2,000	5,075	2,681	250	110	10	100	30	4,968	84
845	53	2,012	645	1,246	928	1,067	978	10	60	19	2,175	700	1,396	1,014	1,405	1,245	10	100	50	163	338
846	53	261	88	184	120	96	22	11	34	29	2,969	1,000	1,991	1,378	1,365	850	15	300	200	2,708	1,269
847	53	2,690	878	2,388	1,465	1,629	99	246	818	466	8,367	3,000	5,991	3,892	3,925	850	350	1,900	825	5,677	2,296
849	54	232	99	326	112	33	0	15	10	7	356	150	326	182	45	0	20	15	10	124	12
850	51	3,657	1,282	2,506	1,671	2,568	116	600	1,043	809	6,430	2,230	4,622	2,968	2,910	250	750	1,100	810	2,773	342
851	51	971	391	1,006	443	143	29	37	56	21	1,252	500	1,035	577	300	50	50	100	100	281	157
852	51	3,195	1,076	2,025	1,503	935	389	78	244	225	5,856	2,100	4,925	2,942	2,250	500	500	750	500	2,661	1,315
853	51	85	36	81	41	312	24	8	62	217	2,842	1,180	2,800	1,422	890	130	10	500	250	2,757	578
854	51	92	36	72	44	N/P	N/P	N/P	N/P	N/P	1,098	410	959	545	10	5	0	5	0	1,006	N/P
855	51	377	148	357	194	48	0	3	37	8	1,388	530	1,293	626	280	0	5	200	75	1,011	232
856	51	267	112	299	137	N/P	N/P	N/P	N/P	N/P	4,300	1,750	4,255	1,953	500	150	0	350	0	4,033	N/P
857	51	610	212	425	287	1,091	197	147	369	378	690	250	558	348	1,100	200	150	370	380	80	9
859	54	461	177	358	214	N/P	N/P	N/P	N/P	N/P	1,327	500	1,090	563	135	10	15	35	75	866	N/P
	TOTAL	**83,007**	**30,194**	**74,641**	**38,539**	**31,203**	**6,026**	**6,221**	**10,235**	**8,720**	**182,700**	**67,800**	**147,100**	**81,400**	**62,900**	**12,700**	**14,900**	**21,700**	**13,600**	**99,693**	**31,697**

Prepared by HRTPO
September 2013
2009&2040_TAZ_Data_09.13.13

Map 19: Virginia Beach Transportation Analysis Zones



Hampton Roads TPO
Transportation Analysis Zones
Virginia Beach

Map Created by HRTPO
September 2013

VIRGINIA BEACH
2009 AND 2040 TAZ DATA

NOTES: TAZ's with "N/P" in the employment column cannot have their 2009 employment data disclosed due to VEC regulations.
Data is sorted by TAZ number.

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
209	60	23	7	136	3	N/P	N/P	N/P	N/P	N/P	0	0	0	0	5,344	76	424	3,099	1,745	-23	N/P
210	60	3,942	505	1,193	448	N/P	N/P	N/P	N/P	N/P	3,818	350	1,699	2,257	8,795	144	702	5,580	2,369	-124	N/P
211	60	1,614	392	564	300	N/P	N/P	N/P	N/P	N/P	1,018	250	476	356	516	200	0	316	0	-596	N/P
212	61	1,681	721	1,642	941	299	41	62	79	117	1,769	760	1,688	818	400	100	72	92	136	88	101
213	61	1,436	651	1,129	679	509	78	175	183	72	1,537	695	1,386	755	537	35	150	253	99	101	28
214	61	3,086	1,344	2,807	1,306	370	170	19	117	64	4,568	2,000	4,132	2,542	220	80	13	82	45	1,482	-150
215	61	1,222	592	1,139	493	565	13	63	179	310	1,190	575	1,419	526	842	25	70	274	473	-32	277
216	61	1,687	768	2,325	797	820	60	123	387	250	1,654	750	1,495	811	560	100	75	234	151	-33	-260
217	61	457	199	527	161	1,017	226	248	330	214	575	250	413	274	516	75	130	189	122	118	-501
218	61	359	136	435	159	452	37	63	231	120	1,633	625	1,284	907	120	20	15	56	29	1,274	-332
219	61	3,665	1,629	2,771	1,632	809	70	90	442	206	4,058	1,800	3,251	2,008	351	35	39	189	88	393	-458
220	61	443	170	216	181	146	37	80	21	8	1,282	500	658	651	1,030	350	80	500	100	839	884
221	61	3,303	1,211	2,533	1,336	406	106	39	163	98	4,227	1,300	2,587	2,022	400	40	47	195	118	924	-6
222	61	6,743	2,709	10,063	3,031	1,102	298	88	405	311	6,872	2,750	4,508	3,767	899	250	71	327	251	129	-203
223	61	2,514	902	1,646	1,207	1,081	12	80	338	651	2,503	885	1,683	1,337	750	10	56	234	450	-11	-331
224	61	5,290	1,867	3,571	2,470	638	47	150	326	115	5,206	1,850	3,663	2,321	891	50	150	511	180	-84	253
225	61	5,362	2,002	3,403	2,512	884	96	116	278	395	5,404	2,000	3,996	2,828	851	200	96	229	326	42	-33
226	61	1,454	606	1,529	733	321	93	51	87	90	1,549	650	1,179	764	1,225	400	50	379	396	95	904
227	61	1,200	470	787	631	136	24	16	45	51	1,236	460	920	647	64	0	9	26	29	36	-72
228	61	47	29	46	22	3,668	900	1,159	1,208	401	8,193	5,000	1,469	2,993	7,200	2,300	500	3,500	900	8,146	3,532
229	66	479	190	206	247	3,640	154	771	1,683	1,032	0	0	0	0	5,973	275	800	3,148	1,750	-479	2,333
230	62	1,417	740	1,713	562	1,747	313	44	1,223	167	2,534	1,350	2,124	1,713	4,150	500	0	3,250	400	1,117	2,403
231	67	1,533	626	962	829	N/P	N/P	N/P	N/P	N/P	4,652	1,800	3,472	2,500	2,875	350	125	1,800	600	3,119	N/P
232	62	581	268	901	230	5,798	2,199	355	2,727	518	5,314	2,500	3,930	3,590	9,900	2,500	0	6,100	1,300	4,733	4,102
233	61	1,981	833	1,719	955	794	123	235	314	122	11,934	5,000	10,891	6,348	4,100	1,850	150	1,600	500	9,953	3,306
235	67	155	60	182	91	739	31	47	312	349	389	150	366	225	1,000	200	53	353	394	234	261
236	67	2,576	928	1,911	1,404	1,274	230	55	347	642	2,510	900	2,586	1,274	1,100	50	56	349	645	-66	-174
237	67	4,531	1,597	3,325	2,174	2,879	325	747	1,054	754	5,673	2,000	4,406	2,900	2,500	600	550	800	550	1,142	-379
238	67	2,466	896	1,681	1,283	630	20	151	192	267	3,294	1,250	2,734	1,716	2,050	950	150	200	750	828	1,420
239	67	760	305	603	428	775	68	108	477	122	865	350	845	405	995	100	137	604	154	105	220
240	61	704	341	507	275	6,195	1,004	1,223	2,476	1,492	1,019	500	946	544	7,550	1,500	750	3,500	1,800	315	1,355
241	67	8	5	24	4	7,757	496	977	4,513	1,772	310	200	511	146	9,750	1,000	500	5,700	2,550	302	1,993
242	61	3,124	1,235	1,359	1,223	1,145	313	338	345	149	3,721	1,500	2,851	1,987	1,950	400	630	643	277	597	805
243	60	3,435	1,779	3,127	2,038	820	418	62	226	114	3,446	1,800	3,204	2,315	836	350	75	273	138	11	16
244	60	3,231	1,592	2,501	1,948	390	59	83	157	90	4,218	2,100	3,864	2,849	499	150	88	166	95	987	109
245	61	1,324	415	1,067	553	148	58	10	59	21	1,759	570	1,377	762	200	20	20	119	41	435	52
246	61	3,670	1,415	2,880	1,760	1,137	191	53	451	443	3,648	1,430	3,456	1,580	650	100	31	262	257	-22	-487
247	60	653	298	499	340	356	15	86	104	151	724	330	668	385	351	75	70	84	122	71	-5
248	61	3,197	1,307	2,550	1,607	3,175	717	286	1,327	845	3,296	1,350	2,738	1,369	3,199	500	314	1,457	928	99	24
249	62	4,942	2,130	3,861	2,635	1,748	567	356	526	300	5,680	2,500	4,301	3,198	1,900	350	400	550	600	738	152
250	66	4,147	1,515	3,213	2,224	3,202	279	355	1,483	1,084	4,580	1,640	3,820	2,476	4,200	550	350	2,000	1,300	433	998
251	66	1,515	485	968	659	293	14	89	134	56	1,859	590	1,378	934	287	50	75	114	48	344	-6
252	67	2,318	843	1,628	1,196	359	96	37	175	51	2,615	900	2,169	1,407	101	30	10	47	14	297	-258
253	66	6,008	2,410	3,813	3,255	1,781	154	206	1,020	401	7,934	3,200	5,738	4,571	3,350	300	300	2,000	750	1,926	1,569
254	62	1,528	723	896	683	5,348	2,423	436	2,004	486	1,630	735	1,342	826	7,500	2,900	600	3,220	780	102	2,152
255	63	756	285	596	489	149	21	40	49	40	758	285	623	400	305	30	85	105	85	2	156
256	63	1,660	675	1,594	781	382	70	133	122	58	1,133	475	650	523	435	50	200	120	65	-527	53
257	66	1	1	1	0	4,303	58	3,065	660	520	0	0	0	0	5,717	75	4,000	1,000	642	-1	1,414
258	66	0	0	0	0	1,146	76	744	224	102	0	0	0	0	1,074	0	800	188	86	0	-72
259	66	4,240	1,590	3,031	1,744	957	397	99	330	131	4,159	1,600	2,589	2,557	600	350	44	147	59	-81	-357
260	66	2,661	947	1,886	1,380	312	52	116	61	83	2,803	1,000	2,413	1,487	552	100	175	117	160	142	240
261	66	3,639	1,201	2,420	2,249	363	62	36	103	162	3,934	1,200	3,133	1,919	560	75	58	166	261	295	197
262	66	5,584	1,816	3,558	2,000	1,246	437	86	424	299	5,398	1,800	3,671	2,627	1,715	200	161	794	560	-186	469
263	66	5,093	1,836	3,089	2,478	868	323	29	248	268	4,647	1,700	3,692	2,423	800	350	24	205	221	-446	-68
264	64	45	19	42	29	N/P	N/P	N/P	N/P	N/P	0	0	0	0	50	0	0	47	3	-45	N/P
265	66	6,788	2,477	3,907	3,645	791	255	71	297	167	6,787	2,500	5,721	3,311	1,100	250	113	472	265	-1	309
266	66	1,075	391	919	646	304	18	30	109	146	1,214	400	1,010	570	948	15	125	400	408	139	644
267	62	1,256	434	1,093	577	N/P	N/P	N/P	N/P	N/P	1,214	430	1,186	530	45	20	18	5	2	-42	N/P
268	62	2,225	756	1,754	1,223	N/P	N/P	N/P	N/P	N/P	2,092	710	1,961	913	150	0	74	59	17	-133	N/P
269	62	4,145	1,582	3,335	2,428	2,036	443	299	825	470	4,253	1,600	3,855	2,007	2,550	750	300	1,000	500	108	514
270	62	2,832	1,112	2,063	1,320	1,436	393	100	461	483	2,790	1,125	2,606	1,432	1,825	750	75	500	500	-42	389
271	62	4,837	1,773	3,293	2,270	2,294	307	317	1,133	536	7,486	2,850	6,620	3,760	4,300	1,200	350	1,750	1,000	2,649	2,006
272	62	3,667	1,424	3,009	1,884	N/P	N/P	N/P	N/P	N/P	3,612	1,400	3,407	1,763	225	0	58	61	106	-55	N/P

VIRGINIA BEACH
2009 AND 2040 TAZ DATA

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
273	63	491	183	473	251	33	0	5	16	11	561	200	503	300	49	0	8	25	16	70	16
274	63	1,890	616	1,351	937	437	2	27	84	324	1,841	600	1,565	734	470	10	29	89	342	-49	33
275	63	331	119	346	165	521	87	25	328	81	278	100	261	111	249	50	11	151	37	-53	-272
276	63	1,894	721	1,555	896	N/P	N/P	N/P	N/P	N/P	1,840	700	1,917	879	380	60	30	84	206	-54	N/P
277	63	3,146	1,197	2,997	1,261	7,458	60	1,015	2,989	3,393	3,054	1,200	2,575	1,193	7,355	75	780	3,300	3,200	-92	-103
278	63	1,655	586	776	874	1,302	29	138	504	631	1,544	550	1,023	777	1,179	75	87	620	397	-111	-123
279	63	3,497	1,482	2,334	1,884	N/P	N/P	N/P	N/P	N/P	3,595	1,500	3,059	1,834	1,208	15	112	750	331	98	N/P
280	63	5,617	2,428	3,965	2,789	2,040	1,223	144	440	233	5,762	2,500	4,400	3,071	2,930	1,750	180	650	350	145	890
281	63	3,992	1,839	2,874	2,398	1,406	910	136	254	105	4,016	1,850	3,339	2,394	2,465	1,550	215	500	200	24	1,059
282	62	769	360	610	402	230	143	19	62	5	828	360	685	377	830	500	20	300	10	59	600
283	63	2,689	1,095	2,375	1,308	748	147	57	264	279	2,886	1,100	2,699	1,340	510	100	39	180	191	197	-238
284	63	1,384	538	1,139	778	N/P	N/P	N/P	N/P	N/P	1,390	540	1,325	645	46	0	22	19	5	6	N/P
285	63	625	200	664	208	207	0	15	42	150	621	200	532	318	320	0	23	65	232	-4	113
286	60	4,133	2,140	3,430	1,880	1,707	697	208	557	245	3,623	2,200	3,660	1,917	2,148	850	225	745	328	-510	441
287	60	832	381	970	500	41	0	26	11	5	965	400	988	421	58	0	20	26	12	133	17
288	60	1,874	865	1,455	842	276	230	8	23	15	1,961	900	1,696	1,037	661	0	0	402	259	87	385
289	60	5	2	9	0	66	0	5	45	16	0	0	0	0	25	0	2	17	6	-5	-41
290	60	1,048	182	389	387	N/P	N/P	N/P	N/P	N/P	823	200	391	555	1,552	35	500	467	550	-225	N/P
291	64	1,122	580	786	748	17	0	9	6	1	1,206	630	1,274	709	51	0	28	20	3	84	34
292	64	1,067	539	547	712	N/P	N/P	N/P	N/P	N/P	1,119	570	1,153	658	347	0	77	160	110	52	N/P
293	64	1,746	829	1,277	999	303	247	11	28	17	1,798	865	1,793	988	399	0	79	200	120	52	96
294	64	1,610	617	1,141	773	N/P	N/P	N/P	N/P	N/P	1,683	650	1,423	660	100	0	1	89	10	73	N/P
295	63	743	341	576	406	713	104	43	420	147	825	375	812	278	1,901	180	121	1,185	415	82	1,188
296	64	825	434	514	403	262	184	10	48	19	940	500	879	493	701	5	94	433	169	115	439
297	64	420	309	436	182	1,029	795	30	144	60	605	450	751	286	2,330	1,000	30	500	800	185	1,301
298	64	810	458	630	418	935	211	68	425	232	1,440	750	1,643	564	1,740	750	40	600	350	630	805
299	64	2,820	1,517	3,577	1,822	825	222	207	292	105	2,670	1,450	2,359	1,717	815	340	163	230	82	-150	-10
300	64	1,496	799	1,859	944	1,243	777	63	239	165	1,832	1,050	1,588	1,210	1,590	850	40	400	300	336	347
301	64	30	17	24	21	1,518	1,393	20	64	41	37	20	31	24	2,820	1,750	20	150	900	7	1,302
302	64	10	5	20	7	601	514	16	43	28	11	5	7	7	1,760	850	10	100	800	1	1,159
303	64	992	498	488	599	884	476	48	262	99	1,376	780	1,198	901	1,950	1,200	50	400	300	384	1,066
304	64	2,476	1,262	1,798	1,343	370	45	79	152	93	2,596	1,325	2,737	1,651	709	90	151	290	178	120	339
305	64	1,042	361	290	399	N/P	N/P	N/P	N/P	N/P	867	300	413	365	499	50	83	227	139	-175	N/P
306	64	1,461	759	904	911	1,017	537	50	171	259	1,828	900	1,187	1,132	651	300	37	125	189	367	-366
307	64	220	130	267	144	1,784	1,521	44	134	85	451	250	331	280	4,190	1,700	40	200	2,250	231	2,406
308	64	2,208	1,062	1,690	1,184	311	125	82	67	37	2,328	1,150	2,296	1,360	763	325	175	170	93	120	452
309	64	1,383	645	1,040	740	146	87	10	32	17	1,586	720	1,515	867	156	60	15	53	28	203	10
310	63	984	398	370	461	718	261	78	252	127	976	400	638	588	980	450	80	300	150	-8	262
312	64	2,452	1,258	4,138	1,229	516	117	39	279	81	2,433	1,250	2,033	1,565	508	170	40	231	67	-19	-8
313	63	1,550	642	1,663	672	314	15	129	106	64	1,140	475	650	526	501	45	197	161	98	-410	187
314	66	1,636	98	4,012	847	N/P	N/P	N/P	N/P	N/P	1,421	75	614	941	6,767	200	3,074	2,053	1,440	-215	N/P
315	64	259	108	213	164	519	20	258	153	89	119	50	103	76	747	10	355	242	140	-140	228
317	65	934	408	652	484	1,181	371	123	392	295	1,004	475	1,002	511	552	125	75	201	151	70	-629
318	65	857	22	1,823	169	N/P	N/P	N/P	N/P	N/P	1,050	50	457	572	4,124	125	368	1,543	2,088	193	N/P
319	65	6,043	2,049	3,215	2,884	N/P	N/P	N/P	N/P	N/P	5,831	2,000	4,524	2,965	247	0	12	55	180	-212	N/P
320	65	4,290	1,528	2,182	2,075	892	114	230	221	326	4,366	1,550	3,043	2,017	1,325	250	300	313	462	76	433
321	65	2,860	879	1,944	1,686	1,855	536	767	361	191	3,008	940	2,356	1,601	1,311	700	350	171	90	148	-544
323	65	2,029	706	1,575	1,098	625	0	241	106	277	2,284	850	2,164	910	315	0	122	53	140	255	-310
324	65	300	1	10	203	2,999	34	728	1,311	927	0	0	0	0	4,175	25	250	2,250	1,650	-300	1,176
325	65	5,048	1,582	3,665	2,648	1,971	1,467	59	308	137	4,859	1,540	3,483	2,470	1,783	1,250	70	300	163	-189	-188
326	65	234	79	317	127	478	196	44	96	142	695	250	637	275	328	150	28	60	90	461	-150
327	65	1,538	618	1,242	932	267	85	19	137	26	2,098	850	1,952	1,155	376	150	36	140	50	560	109
328	65	746	255	640	148	3,074	121	307	907	1,738	2,371	350	2,083	945	2,800	350	255	753	1,442	1,625	-274
329	65	1,343	377	1,039	608	1,974	78	44	408	1,444	1,757	500	1,151	872	1,300	25	30	274	971	414	-674
330	65	5,065	1,839	4,099	2,934	N/P	N/P	N/P	N/P	N/P	5,633	1,750	4,459	2,245	141	0	25	31	85	568	N/P
331	65	172	68	113	34	N/P	N/P	N/P	N/P	N/P	192	75	192	77	150	0	24	77	49	20	N/P
332	66	1,424	389	925	698	N/P	N/P	N/P	N/P	N/P	1,558	450	1,037	774	150	0	81	23	46	134	N/P
333	67	3,262	1,133	2,353	1,802	756	147	83	334	192	3,459	1,200	2,781	1,718	850	250	82	329	189	197	94
334	67	3,315	1,282	2,784	1,826	1,165	361	131	342	331	3,365	1,300	3,162	1,598	1,091	220	135	374	362	50	-74
335	67	1,006	359	947	609	N/P	N/P	N/P	N/P	N/P	1,266	450	1,099	601	149	0	95	51	3	260	N/P
336	67	2,549	965	2,109	1,458	1,882	136	520	672	555	3,175	1,200	2,873	1,845	1,403	150	375	481	397	626	-479
337	67	4,420	1,434	3,263	2,308	464	32	19	127	286	4,424	1,470	3,614	2,233	401	20	17	112	252	4	-63
338	67	6,026	1,848	3,460	3,297	845	34	191	384	236	5,998	1,850	4,149	3,021	140	0	33	66	41	-28	-705
340	67	3,052	916	2,124	1,593	257	21	16	63	157	3,642	1,100	2,428	1,832	140	0	10	37	93	590	-117
341	67	3,575	1,140	2,698	2,116	523	303	29	137	54	3,599	1,140	3,096	1,792	677	300	79	150	148	24	154

VIRGINIA BEACH
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TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
342	67	5,557	1,701	4,049	3,050	161	0	27	90	43	5,560	1,701	4,160	2,695	146	0	25	82	39	3	-15
343	67	4,596	1,525	3,720	2,544	2,107	439	506	592	569	6,015	2,000	4,750	2,949	1,401	300	334	391	376	1,419	-706
344	67	1,008	490	849	454	528	97	70	189	172	2,495	1,000	2,379	1,223	570	100	70	200	200	1,487	42
345	67	8,125	3,082	4,420	3,941	2,719	629	291	1,243	556	8,436	3,220	6,307	4,149	2,051	400	230	982	439	311	-668
346	67	1,931	815	1,636	964	590	82	248	156	103	2,395	1,000	2,069	1,061	836	150	200	293	193	464	246
347	67	503	197	343	263	1,324	131	314	837	41	640	250	381	286	799	150	171	456	22	137	-525
348	61	375	146	181	156	7,364	368	3,288	2,611	1,096	251	100	132	128	9,332	300	3,882	3,750	1,400	-124	1,968
350	64	205	66	167	78	556	207	56	209	84	216	100	117	90	1,475	350	75	750	300	11	919
351	63	743	292	502	428	1,151	165	369	457	159	764	300	468	437	1,175	150	400	450	175	21	24
585	60	1,584	787	1,135	918	391	193	14	108	76	1,728	875	1,770	919	350	125	16	122	87	144	-41
586	60	1,047	544	528	633	677	334	57	150	136	1,096	575	1,084	580	1,196	800	62	175	159	49	519
587	61	13	5	24	6	202	12	22	81	87	76	30	64	33	300	50	29	107	114	63	98
589	61	2,600	954	1,673	1,270	990	290	263	190	247	2,685	950	2,062	1,494	640	50	222	160	208	85	-350
590	61	1,568	547	700	612	421	188	68	106	58	2,264	800	1,584	1,010	600	150	132	205	113	696	179
591	61	860	401	520	445	751	273	52	314	111	1,895	900	1,833	952	3,025	750	75	1,500	700	1,035	2,274
592	61	203	72	198	108	7,051	556	366	4,926	1,204	1,312	400	827	559	9,150	1,800	300	5,700	1,350	1,109	2,099
593	62	746	364	410	358	981	473	135	253	120	821	400	691	462	1,275	750	100	300	125	75	294
594	62	0	0	0	0	1,865	1,209	144	406	106	0	0	0	0	2,775	1,500	150	1,000	125	0	910
596	63	902	474	715	468	1,217	550	98	325	245	927	485	904	466	825	350	70	231	174	25	-392
597	63	90	32	94	41	682	413	36	176	57	109	40	85	42	1,875	900	25	750	200	19	1,193
599	63	1,283	659	1,552	601	2,022	886	144	675	318	1,363	700	1,122	822	2,300	1,100	100	750	350	80	278
600	63	44	20	44	26	N/P	N/P	N/P	N/P	N/P	45	20	31	26	240	0	100	100	40	1	N/P
601	63	436	198	285	281	N/P	N/P	N/P	N/P	N/P	330	150	327	174	83	0	0	66	17	-106	N/P
603	64	2,353	937	1,924	936	305	134	17	110	45	3,009	1,200	1,683	1,265	750	400	0	250	100	656	445
606	66	283	98	265	136	3,562	134	1,926	979	523	216	75	184	105	4,140	1,000	2,000	743	397	-67	578
607	66	0	0	0	0	6,370	1,249	689	3,477	955	0	0	0	0	5,404	1,000	250	3,259	895	0	-966
608	66	0	0	0	0	4,846	2,988	447	1,009	402	0	0	0	0	4,368	2,750	250	978	390	0	-478
609	66	2,226	674	1,509	1,188	593	135	71	199	188	2,309	700	1,548	1,136	301	50	40	108	103	83	-292
610	66	1,148	357	391	549	5,712	553	3,205	1,305	649	667	200	480	324	5,961	325	3,250	1,593	793	-481	249
612	65	8	2	3	4	54	15	5	23	11	7	2	4	4	42	0	7	21	14	-1	-12
614	65	6	3	28	4	194	47	90	34	23	6	3	6	3	203	0	125	46	32	0	9
616	66	7,905	2,870	4,431	3,624	1,476	496	85	416	478	8,444	3,000	5,808	4,265	1,691	800	70	382	439	539	215
617	66	2,676	935	2,317	1,404	268	212	1	51	3	2,988	1,050	2,036	1,508	295	45	0	234	16	312	27
618	66	2,262	756	1,257	1,139	918	9	26	821	61	2,226	750	1,730	1,043	300	50	7	226	17	-36	-618
620	66	1,787	809	2,125	952	456	144	65	186	61	1,806	850	1,518	1,278	820	200	65	418	137	19	364
621	67	4,436	1,662	2,976	2,199	1,136	51	151	549	386	4,699	1,800	3,475	2,524	1,179	150	125	531	373	263	43
622	66	384	198	248	157	273	26	10	210	27	608	320	738	284	10	0	0	9	1	225	-263
623	67	3,142	1,084	2,529	1,822	564	291	87	116	71	3,507	1,200	3,259	1,686	448	100	75	170	103	365	-116
624	67	0	0	0	0	1,057	793	34	159	71	0	0	0	0	1,190	750	30	283	127	0	133
625	67	1,899	681	1,298	1,210	964	450	69	309	135	2,094	750	1,731	1,040	810	250	50	355	155	195	-154
626	67	523	178	275	286	63	0	12	47	4	670	230	560	319	25	0	5	19	1	147	-38
627	67	47	18	35	46	3,478	352	165	2,354	607	1,167	300	985	550	4,500	650	100	3,000	750	1,120	1,022
628	67	2,996	1,037	2,471	1,733	292	104	34	97	57	3,127	1,050	2,719	1,596	600	300	54	155	91	131	308
629	67	877	512	491	442	123	32	0	90	0	1,125	600	1,346	566	100	50	0	50	0	248	-23
630	67	5,931	2,084	3,373	3,134	224	106	36	60	22	5,874	2,100	4,715	2,959	254	65	25	120	44	-57	30
631	67	3,949	1,195	2,444	2,115	318	28	14	108	169	4,610	1,400	3,421	2,236	200	40	7	60	93	661	-118
632	67	7,193	2,221	4,999	3,709	N/P	N/P	N/P	N/P	N/P	8,053	2,500	5,519	4,054	650	45	23	178	404	860	N/P
633	67	1,510	526	1,116	686	N/P	N/P	N/P	N/P	N/P	1,883	650	1,439	946	250	0	10	65	175	373	N/P
634	67	2,604	914	1,531	1,419	N/P	N/P	N/P	N/P	N/P	2,599	915	2,020	1,307	100	0	21	47	32	-5	N/P
635	66	375	144	242	186	922	861	8	36	17	1,646	500	1,151	817	1,094	875	30	128	61	1,271	172
636	66	482	188	171	240	597	541	5	42	9	509	200	460	252	1,099	700	33	300	66	27	502
637	66	3,901	1,407	2,396	2,104	598	60	27	168	343	3,980	1,400	3,034	1,694	779	175	31	174	399	79	181
638	66	4,290	1,725	3,225	2,491	553	411	19	80	43	4,794	1,800	3,411	2,778	919	415	78	250	176	504	366
639	66	139	43	52	67	2,865	74	187	555	2,049	565	181	377	287	2,466	50	150	483	1,783	426	-399
641	66	912	267	709	448	N/P	N/P	N/P	N/P	N/P	1,305	408	939	647	100	50	40	10	0	393	N/P
642	66	362	124	386	194	34	19	2	8	4	550	200	456	270	200	45	21	87	47	188	166
645	65	1,451	444	1,004	710	188	0	3	46	140	1,482	450	1,125	789	315	0	5	76	234	31	127
647	65	1,925	627	1,487	1,177	163	43	41	51	29	1,843	600	1,416	928	242	15	71	99	57	-82	79
650	65	2,054	663	1,352	962	2,685	227	63	2,308	86	1,865	600	1,178	862	3,078	550	100	2,400	28	-189	393
651	65	52	33	77	24	949	10	147	487	306	364	175	455	143	400	50	55	181	114	312	-549
652	65	1,642	492	1,045	889	354	16	26	85	226	1,561	500	1,273	622	280	50	18	58	154	-81	-74
653	65	154	70	141	94	154	39	38	41	35	327	150	344	180	75	30	15	16	14	173	-79
654	65	5,693	1,751	3,948	2,666	1,766	1,167	239	255	104	5,014	1,560	3,528	2,549	1,262	1,000	100	115	47	-679	-504
655	65	1,397	396	896	688	367	0	2	76	290	1,384	400	905	703	169	0	0	35	134	-13	-198
656	65	3,978	1,226	2,640	1,876	670	389	34	175	71	3,724	1,175	2,658	1,893	650	300	43	218	89	-254	-20

VIRGINIA BEACH
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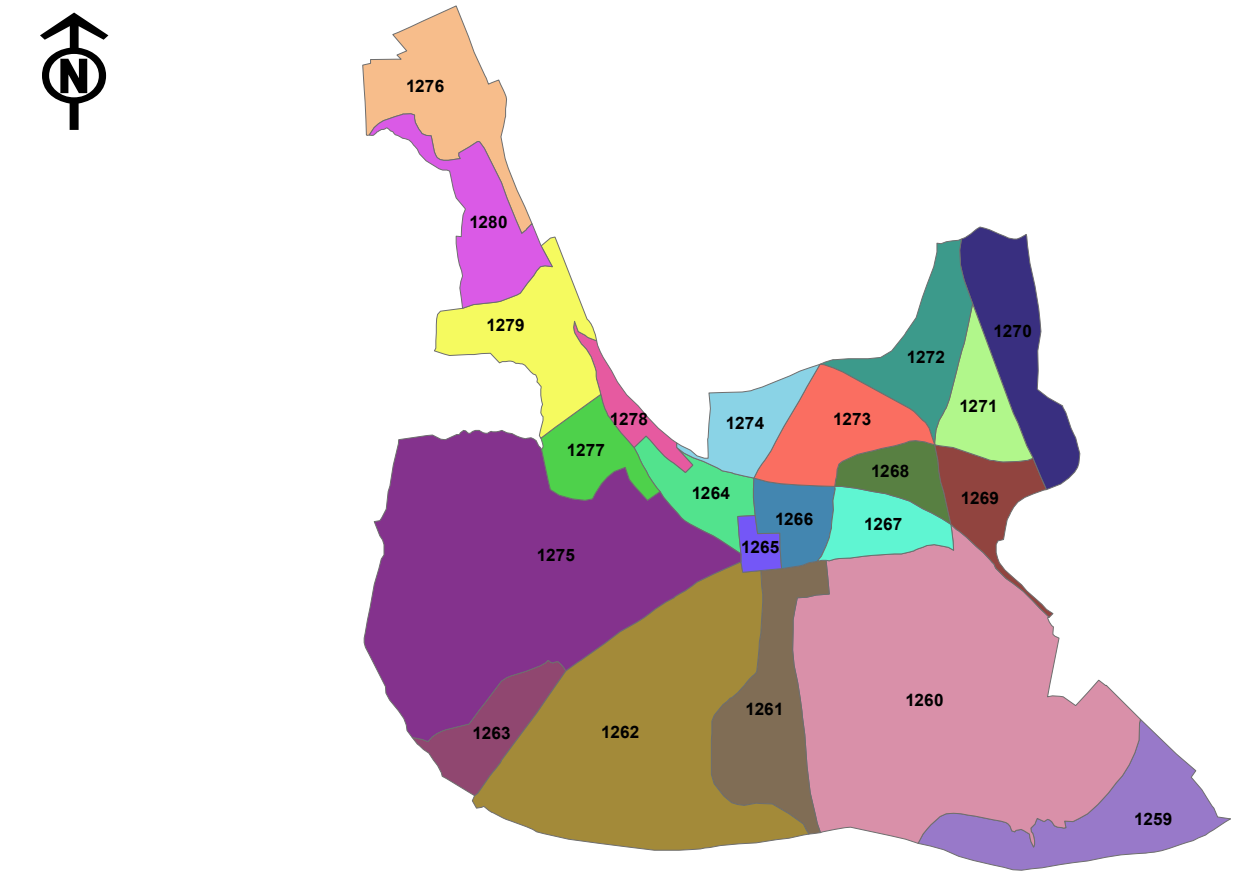
TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
657	65	408	168	187	228	125	18	16	44	46	412	170	386	209	350	20	51	136	143	4	225
658	65	542	247	407	107	567	85	11	117	354	548	250	482	298	250	40	5	51	154	6	-317
661	65	760	250	385	362	1,883	14	70	488	1,311	983	325	813	523	1,589	100	30	209	1,250	223	-294
662	64	0	0	0	0	766	14	1	109	643	0	0	0	0	267	10	0	37	220	0	-499
663	68	712	270	667	456	262	78	88	70	26	1,038	400	901	518	269	75	75	70	49	326	7
664	68	391	147	412	250	71	0	36	18	17	523	200	452	261	27	15	8	4	0	132	-44
665	68	888	314	1,036	546	288	16	179	51	42	975	350	788	488	248	5	160	46	37	87	-40
666	68	848	305	1,082	494	427	25	211	70	120	1,090	400	897	545	244	25	100	44	75	242	-183
667	68	733	271	816	459	153	30	51	40	33	806	300	676	402	74	25	25	13	11	73	-79
668	68	288	104	428	130	N/P	N/P	N/P	N/P	N/P	335	120	306	133	52	0	50	2	0	47	N/P
669	68	585	221	598	290	98	0	81	11	6	606	230	584	269	29	0	25	3	1	21	-69
671	68	529	206	623	262	N/P	N/P	N/P	N/P	N/P	535	210	534	238	73	5	50	11	7	6	N/P
672	68	45	19	66	28	N/P	N/P	N/P	N/P	N/P	59	25	56	29	1	0	0	1	0	14	N/P
885	65	1	1	5	1	116	14	20	42	41	0	0	0	0	4	0	0	4	0	-1	-112
887	63	1,225	599	604	607	1,623	509	242	604	268	1,230	600	1,073	719	2,065	800	250	700	315	5	442
889	65	3,362	1,100	2,376	1,626	N/P	N/P	N/P	N/P	N/P	3,193	1,050	2,622	1,698	150	10	93	33	14	-169	N/P
890	66	7,901	2,355	4,672	3,747	525	80	64	158	222	8,466	2,550	5,872	4,201	800	200	87	213	300	565	275
891	65	2,409	557	647	475	N/P	N/P	N/P	N/P	N/P	2,488	580	1,118	1,355	78	0	47	17	14	79	N/P
892	65	6,905	2,231	4,900	3,554	1,093	201	169	392	330	6,632	2,150	5,076	3,343	827	350	90	210	177	-273	-266
893	67	1,740	674	1,355	984	1,221	43	88	636	453	1,941	750	1,610	953	900	100	60	432	308	201	-321
894	67	1,828	823	1,261	786	2,447	118	34	2,072	223	1,683	900	1,738	904	1,800	500	19	1,157	124	-145	-647
895	66	5,301	1,779	3,052	2,565	670	43	364	181	83	3,243	1,100	2,289	1,646	699	130	330	164	75	-2,058	29
	TOTAL	**434,410**	**162,006**	**322,430**	**217,725**	**225,833**	**51,691**	**37,943**	**84,755**	**51,445**	**497,500**	**189,200**	**391,600**	**254,300**	**311,700**	**69,800**	**41,500**	**126,500**	**73,900**	**63,090**	**85,867**

Prepared by HRTPO
September 2013
2009&2040_TAZ_Data_09.13.13

MAP 20: WILLIAMSBURG TRANSPORTATION ANALYSIS ZONES



Hampton Roads TPO
Transportation Analysis Zones
Williamsburg

0 0.5 1 Miles

Map Created by HRTPO
September 2013

WILLIAMSBURG
2009 AND 2040 TAZ DATA

NOTES: TAZ's with "N/P" in the employment column cannot have their 2009 employment data disclosed due to VEC regulations.
Data is sorted by TAZ number.

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
1259	140	0	0	0	0	0	0	0	0	0	1,327	600	1,515	0	3,800	525	83	2,943	249	1,327	3,800
1260	140	299	139	210	109	1,054	700	57	149	148	739	335	844	323	1,500	50	60	700	690	440	446
1261	140	323	49	100	117	359	0	270	47	42	325	56	232	142	600	0	30	270	300	2	241
1262	140	2,581	863	2,708	891	3,030	266	2,019	419	326	2,715	1,145	2,832	1,279	850	50	0	800	0	134	-2,180
1263	140	315	157	227	108	593	50	49	371	123	349	164	475	165	600	50	30	430	90	34	7
1264	140	587	226	711	251	6,747	428	274	1,740	4,305	729	280	603	320	2,500	200	30	1,145	1,125	142	-4,247
1265	140	44	16	15	13	1,328	740	98	325	164	144	35	194	86	2,600	900	0	700	1,000	101	1,272
1266	140	127	26	18	54	137	24	4	23	86	52	25	38	29	300	25	10	100	165	-75	163
1267	140	95	53	45	40	2,847	832	302	876	836	98	52	128	55	800	25	50	381	344	3	-2,047
1268	140	180	94	178	58	142	97	9	23	13	202	100	260	98	500	0	10	342	148	22	358
1269	140	434	201	261	186	457	325	22	77	33	595	261	533	355	1,150	625	0	475	50	161	693
1270	140	1,280	571	313	580	0	0	0	0	0	1,234	599	1,631	765	50	0	0	50	0	-46	50
1271	140	339	183	691	146	38	21	0	17	0	596	304	619	357	600	40	40	510	10	257	562
1272	140	80	45	107	26	213	133	15	41	24	103	55	113	63	440	0	44	271	125	23	227
1273	140	2	2	2	1	474	275	30	91	78	0	0	0	0	600	25	20	339	216	-2	126
1274	140	370	148	202	120	836	12	659	82	82	375	142	371	181	130	10	13	81	26	5	-706
1275	140	3,384	37	270	1,071	1,222	824	35	191	172	3,667	67	1,628	1,008	3,850	120	22	1,176	2,532	283	2,628
1276	140	928	382	734	365	1,124	1,030	14	50	29	1,121	509	1,680	656	900	400	30	210	260	193	-224
1277	140	318	90	111	101	373	183	26	87	76	131	4	67	37	2,300	745	0	1,210	345	-187	1,927
1278	140	137	89	80	43	409	181	11	187	30	159	76	188	44	500	200	0	225	75	22	91
1279	140	899	466	372	403	2,486	911	210	860	505	1,933	938	2,328	769	3,730	1,970	93	1,267	400	1,034	1,244
1280	140	846	317	375	166	875	623	31	116	105	605	253	821	268	700	140	35	175	350	-241	-175
	TOTAL	**13,568**	**4,153**	**7,730**	**4,847**	**24,742**	**7,655**	**4,135**	**5,772**	**7,177**	**17,200**	**6,000**	**17,100**	**7,000**	**29,000**	**6,100**	**600**	**13,800**	**8,500**	**3,633**	**4,258**

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September 2013
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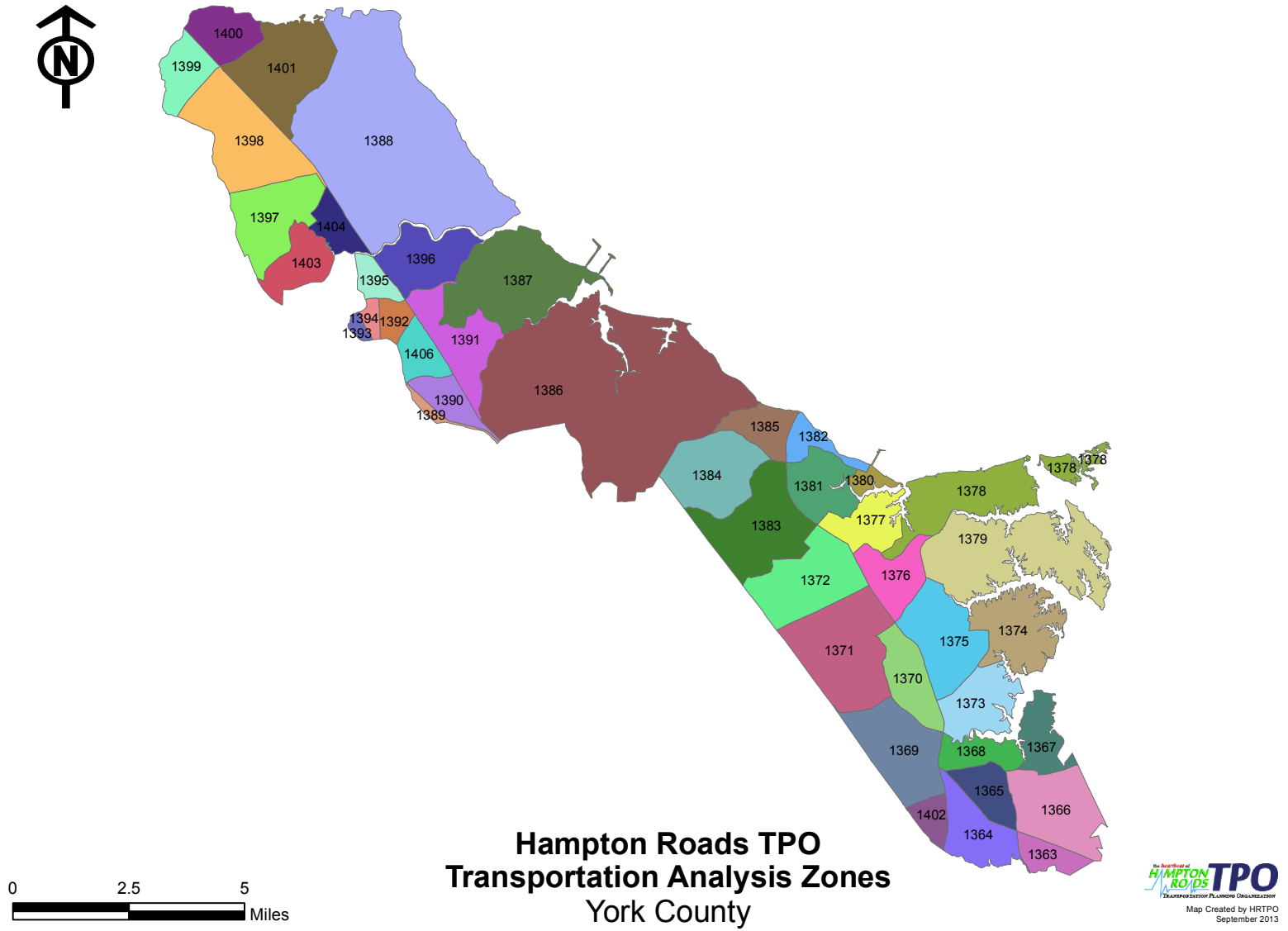
Map 21: York County Transportation Analysis Zones



YORK COUNTY
2009 AND 2040 TAZ DATA

NOTES: TAZ's with "N/P" in the employment column cannot have their 2009 employment data disclosed due to VEC regulations.
Data is sorted by TAZ number.

TAZ	District	2009 Pop.	2009 Households	2009 Pass. Vehicle Registrations	2009 Workers (by residence)	2009 Total Emp.	2009 Retail Emp.	2009 Ind. Emp.	2009 Office Emp.	2009 Other Emp.	2040 Pop.	2040 Households	2040 Pass. Vehicle Registrations	2040 Workers (by residence)	2040 Total Emp.	2040 Retail Emp.	2040 Ind. Emp.	2040 Office Emp.	2040 Other Emp.	Chg. Pop	Chg. Emp.
1363	160	6,454	2,019	2,975	1,815	508	171	28	180	129	7,294	2,279	3,747	4,444	660	200	70	280	110	840	152
1364	160	7,127	2,331	4,801	3,189	2,668	855	377	981	455	7,625	2,500	5,365	3,919	3,316	1,025	449	1,419	423	498	648
1365	160	2,375	771	2,505	1,197	133	20	14	52	47	2,546	867	2,106	1,222	357	78	49	177	53	171	224
1366	160	6,429	1,882	5,617	3,330	N/P	N/P	N/P	N/P	N/P	7,342	2,518	5,689	3,901	645	200	50	191	204	913	N/P
1367	160	1,137	399	1,286	477	126	0	37	51	38	1,329	492	954	664	172	4	55	95	18	191	46
1368	160	1,329	443	1,524	669	583	0	107	230	246	1,552	542	1,316	745	693	12	131	329	221	222	110
1369	161	2,877	958	2,455	1,303	1,162	222	239	528	172	1,808	634	1,505	966	1,386	289	343	677	77	-1,069	224
1370	161	1,897	842	1,456	981	559	48	75	162	273	2,107	982	2,303	1,125	886	86	139	459	202	209	327
1371	161	344	124	325	178	674	127	280	177	90	798	302	883	462	808	144	320	239	105	453	134
1372	161	2,344	878	2,324	1,133	473	56	75	175	166	3,650	1,550	3,598	1,744	698	146	122	297	133	1,306	225
1373	160	3,234	1,207	3,492	1,577	435	52	62	180	141	3,127	1,222	3,022	1,656	573	81	124	255	113	-107	138
1374	160	1,914	751	2,709	950	244	43	88	58	55	2,578	1,020	2,758	1,263	257	35	95	98	29	664	13
1375	160	6,006	2,239	6,425	3,345	2,674	667	317	899	791	6,399	2,397	5,764	3,487	3,168	691	393	1,392	692	393	494
1376	160	687	219	673	325	2,282	780	577	528	397	1,444	515	999	747	3,132	903	833	993	403	758	850
1377	160	1,831	677	1,949	857	584	17	68	168	330	1,884	732	1,754	821	754	29	128	248	349	53	170
1378	160	922	350	1,213	435	913	11	662	106	133	1,335	535	1,099	690	961	33	682	138	108	413	48
1379	160	3,634	1,303	4,400	1,721	N/P	N/P	N/P	N/P	N/P	5,101	2,007	5,656	2,349	613	15	342	139	117	1,467	N/P
1380	162	180	1	0	7	0	0	0	0	0	235	2	94	220	850	0	0	74	776	55	850
1381	162	3	1	10	1	0	0	0	0	0	9	3	6	3	0	0	0	0	0	6	0
1382	162	398	149	175	122	715	324	87	175	129	254	139	254	96	815	361	95	219	140	-144	100
1383	162	23	8	26	10	300	108	42	85	65	131	47	102	46	375	96	78	131	70	108	75
1384	162	681	226	729	270	N/P	N/P	N/P	N/P	N/P	2,006	745	1,628	723	119	20	39	55	5	1,325	N/P
1385	162	1,482	554	943	610	571	228	219	97	28	1,535	610	743	487	587	170	282	121	14	54	16
1386	163	171	44	426	60	1,491	33	301	701	456	409	109	211	201	2,495	40	358	825	1,272	238	1,004
1387	163	132	14	57	46	26	0	23	3	0	10	1	4	5	1,500	0	80	1,420	0	-123	1,474
1388	163	259	88	147	90	N/P	N/P	N/P	N/P	N/P	506	180	349	248	364	0	78	165	121	247	N/P
1389	164	12	2	4	6	537	41	378	66	51	17	3	5	9	609	342	80	187	0	5	72
1390	164	1,296	523	1,166	676	1,151	514	121	275	240	1,554	645	1,173	770	1,300	530	130	390	250	258	149
1391	164	79	30	43	40	778	51	283	300	144	2,423	924	1,740	1,084	1,801	439	344	821	197	2,344	1,023
1392	164	1,707	604	1,756	881	N/P	N/P	N/P	N/P	N/P	2,205	792	1,493	983	30	0	5	19	6	498	N/P
1393	164	325	133	200	170	1,175	398	59	574	144	266	111	232	153	1,203	403	40	638	122	-59	28
1394	164	662	212	543	347	306	0	3	57	246	558	182	380	320	443	256	56	121	10	-104	137
1395	164	907	242	942	371	N/P	N/P	N/P	N/P	N/P	935	358	983	373	190	8	19	54	109	28	N/P
1396	164	1,607	466	1,285	437	40	0	8	23	9	1,236	508	1,396	492	87	0	18	47	22	-370	47
1397	164	16	6	22	7	1,401	498	84	467	351	1,015	372	834	512	1,643	589	184	661	209	999	242
1398	164	453	170	389	203	3,242	1,377	402	1,014	448	542	203	428	255	4,153	1,498	551	1,894	210	89	911
1399	164	57	23	66	25	1,148	597	74	359	119	667	274	573	310	1,846	715	181	860	90	610	698
1400	164	740	255	620	396	96	22	12	37	24	992	358	791	514	221	50	48	117	6	251	125
1401	164	1,286	437	1,409	687	N/P	N/P	N/P	N/P	N/P	2,170	773	1,707	1,126	242	30	117	92	3	884	N/P
1402	161	880	223	511	418	2,684	743	734	867	341	1,572	570	1,337	839	3,274	1,021	840	1,204	209	692	590
1403	164	766	408	544	344	1,535	660	146	433	296	1,712	910	1,925	803	2,442	782	263	1,179	218	946	907
1404	164	0	0	0	0	N/P	N/P	N/P	N/P	N/P	0	0	0	108	899	30	110	747	12	0	N/P
1406	164	1,342	504	1,229	649	326	20	51	187	68	1,823	687	1,296	814	723	29	139	533	22	481	397
	TOTAL	**66,007**	**22,717**	**59,371**	**30,356**	**31,541**	**8,685**	**6,033**	**10,195**	**6,622**	**82,700**	**30,600**	**68,200**	**41,700**	**47,290**	**11,380**	**8,460**	**20,000**	**7,450**	**16,694**	**15,749**

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September 2013
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CONCLUSION

As mentioned at the outset of this report, making an accurate long-term forecast is inherently difficult because the future contains many unknowns that will influence demographic trends and behaviors. This inherent difficulty, however, does not abdicate one from the responsibility to plan and prepare for the future in the most efficient manner possible. This forecast was prepared in an unbiased manner, based on a sound and reasoned methodology, using the best information currently available. As future unknowns begin to unfold, unexpected shifts in demographic trends will take place. In recognition of the ever-changing environment in which we live, the HRTPO will provide continuous updates to the socioeconomic forecast, and to the region's Long-Range Transportation Plan.

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