



transportation tomorrow

SURVEY 2016

TTS 2016: 2016, 2011, 2006, 1996 AND 1986
TRAVEL SUMMARIES FOR THE TTS AREA
MARCH 2018



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City of Brantford	Ministry of Transportation, Ontario
City of Guelph	Regional Municipality of Durham
City of Hamilton	Regional Municipality of Halton
City of Kawartha Lakes	Regional Municipality of Niagara
City of Peterborough	Regional Municipality of Peel
City of Toronto	Regional Municipality of Waterloo
County of Brant	Regional Municipality of York
County of Dufferin	Toronto Transit Commission
County of Peterborough	Town of Orangeville
County of Simcoe	
County of Wellington	

This report was prepared for the Transportation Information Steering Committee (TISC) by R.A. Malatest & Associates Ltd., in partnership with David Kriger Consultants Inc. and HDR Inc., with guidance from the Data Management Group (DMG) at the Department of Civil Engineering, University of Toronto. The Steering Committee, formerly known as the Toronto Area Transportation Planning Data Collection Steering Committee (TATPDCSC), which also conducted the 1986, 1991, 1996, 2001, 2006 and 2011 TTS, is represented by the Ontario Ministry of Transportation, Cities of Toronto and Hamilton, Regional Municipalities of Durham, Halton, Peel and York, Metrolinx and the Toronto Transit Commission. The contributions of the above supporting agencies to the production of this report and to the ongoing work of the DMG are gratefully acknowledged.

Further Information

The Transportation Tomorrow Survey (TTS) are parts of an ongoing data collection program by the Transportation Information Steering Committee (TISC). The survey data (2016, 2011, 2006, 2001, 1996, 1991 and 1986) are currently under the care of the Data Management Group. This group is responsible for maintaining the TTS databases and making available appropriate travel information for any urban transportation study in the area. Requests for information from the TTS, or enquiries related to the contents of this report, should be directed to the address below.

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Background

The first comprehensive travel survey was the 1964 Metropolitan Toronto and Region Transportation Study (MTARTS), which was an urban travel survey using home interviews at a sample of approximately 3% of the households in the Toronto area. At that time, the survey area included most of the urban area. Subsequently, the urban area expanded and was sub-divided into a collection of regional jurisdictions. Each jurisdiction then undertook various travel surveys.

Urban travel on the road and transit system does not respect jurisdictional boundaries. A committee established to discuss common transportation issues at the time of jurisdictional changes recognized this limitation. The first Transportation Tomorrow Survey (TTS) initiated by the coordinating committee (Toronto Area Transportation Planning Data Collection Steering Committee) was undertaken in 1986 when it was recognized that the fragmented approach to collecting urban travel information was not providing a complete representation.

The extensive use of the original TTS data led to the establishment of periodic updates and consequently a Transportation Tomorrow Survey (TTS) has been conducted every five years since 1986. The 2016 Transportation Tomorrow Survey (TTS) is the seventh in a series of comprehensive travel surveys conducted every five years in the Greater Toronto and Hamilton Area (GTHA) and surrounding areas. The TTS contains detailed demographic information on all members of a surveyed household and a ledger of travel information for an entire weekday.

From 1986 to 2006, the survey method remained essentially the same: the survey sample was drawn from telephone subscriber directories, with advance letters sent to inform households about the survey, and surveys conducted via telephone interview. In 2011, online surveying was introduced to supplement the telephone interviewing, with 12% of participating households completing the survey online. In 2016, the survey sample was drawn from a database of mailable addresses, which was matched, where possible, to telephone numbers listed in the telephone subscriber directory. Addresses not matched to a telephone number received a survey letter inviting them to participate online or via phone while addresses matched to a telephone number received both a letter and telephone calls. In this cycle, 36% of participating household completed the survey via telephone interview and 64% completed the survey online. The survey questionnaire has been essentially the same in all survey cycles, with only minor changes between cycles.

From 1986 to 2006, the data were weighted with expansion factors such that the expanded survey data represented Statistics Canada Census counts of private dwellings occupied by usual residents. In 2011, the data were weighted such that the expanded survey data represented total population counts by age group (which included persons living in both private and collective dwellings). In 2016, the data were weighted such that the expanded survey data were representative of counts of private dwellings occupied by usual residents (with further adjustments to better represent all households by dwelling type, household size, and householder gender and age groups).

Area of coverage

As the urban area surrounding Toronto continued to grow and surrounding communities became more integrated, it was apparent that a wider area of coverage would be beneficial.

The initial TTS programs in 1986 and 1991 were initiated by government agencies in the GTHA and the area of coverage reflected that initiative. However, because of the growing urban transportation interaction between the GTHA and the surrounding areas, other surrounding communities were invited to participate in later surveys.

PARTICIPATING JURISDICTIONS																				
Cycle	City of Hamilton	City of Toronto	Regional Municipality of Durham	Regional Municipality of Halton	Regional Municipality of Peel	Regional Municipality of York	City of Kawartha Lakes	City of Barrie	City of Brantford	City of Guelph	City of Orillia	City of Peterborough	County of Brant	County of Dufferin	County of Peterborough	County of Simcoe	County of Wellington	Regional Municipality of Niagara	Regional Municipality of Waterloo	Town of Orangeville
2016 TTS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	p	•	p	•	•	•
2011 TTS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	p	•	p	•	•	•
2006 TTS	•	•	•	•	•	•	•	•	•	•	•	•		•	p	•	p	•	•	•
2001 TTS	•	•	•	•	•	•	•	•		•	•	•			p	•	p	•		•
1996 TTS	•	•	•	•	•	•	•	•		•		•			p	p	p	•	•	•
1991 TTS	•	•	•	•	•	•														
1986 TTS	•	•	•	•	•	•														

• = full coverage, p = part of jurisdiction

Survey magnitude

In the 2016 survey, a random sample of households in the survey area was provided by Canada Post from a database of mailable residential addresses. In all previous surveys from 1986 to 2011, the random sample of households in the survey area was provided by a telephone subscriber listing service.

In 2016, the size of the sample was determined as required to obtain a 5% sample of occupied dwelling units in all areas except the City of Hamilton, for which a 3% sample of occupied dwelling units was targetted. In 1991, a smaller sample was obtained in developed urban areas. Otherwise, the size of the sample was determined as required to obtain a 5% sample of the occupied dwelling units.

RECORDS AND ESTIMATES FOR TORONTO						
Cycle	Households		Persons		Trips	
	Records	Expanded total	Records	Expanded total	Records	Expanded total
2016 TTS	162,708	3,335,990	395,885	8,822,802	798,093	17,522,728
2011 TTS	159,200	3,117,500	410,400	8,520,300	858,800	17,924,300
2006 TTS	149,600	2,871,200	401,700	7,705,300	864,300	16,541,700
2001 TTS	136,400	2,417,500	374,200	6,529,600	817,700	14,200,600
1996 TTS	115,200	2,317,200	312,800	6,285,100	658,000	13,185,500
1991 TTS	24,500	1,709,600	72,500	4,729,200	157,400	10,231,100
1986 TTS	61,400	1,466,100	171,100	4,063,000	370,200	8,761,000

Survey content

All TTS are a retrospective survey of travel taken by every member (age 11 of over) of the household during the day previous to the telephone (or web) contact. Until 2011, all information was collected by an experienced interviewer over the telephone. In 2011 and 2016, the household was given the option of a telephone interviewer or completing the interview on-line.

The information collected and the method of collection has remained relatively consistent over the seven surveys and includes characteristics of the household, characteristics of each person in the household, and details of the trips taken by each member of the household. Trip information includes details of any trips taken by transit.

Before each survey, the questions asked were reviewed and some additions made, which reflect the changing interests of the participating agencies.

INFORMATION COLLECTED																					
	Demographic Information												Travel Information								
	Household Characteristics				Person Characteristics								Nature of Trip			Means of Travel					
	Dwelling unit type	Number of Persons	Vehicles Available	Household Income	Age	Gender	Possession of Driver's License	Usual Place of Work Location	Usual Place of School Location	Free Parking at Usual Place of Work	Possession of Transit Pass	Occupation Type	Work at Home	Start time	Purpose of Trip	Origin and Destination Points	Travel Mode	Vehicle Occupancy	Used 407 ETR	Detailed Transit Routes	GO Train & Subway Stations used
2016 TTS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2011 TTS	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2006 TTS	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•			•	•	•
2001 TTS	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•			•	•	•
1996 TTS	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•			•	•	•
1991 TTS	•	•	•		•	•	•	•	•				•	•	•	•			•	•	•
1986 TTS	•	•	•		•	•	•						•	•	•	•			•	•	•

Report content

The purpose of this report is to summarize the Transportation Tomorrow Survey data for the entire survey area according to regional boundaries. The summary provides demographic and travel characteristics presented in tabular format at two levels of detail, the entire survey area and each of the 20 participating municipalities. In total, there are 8 cities, 6 regional municipalities, 5 counties and 1 town represented in this report.

Data from five of the six surveys, 1986, 1996, 2006, 2011, and 2016 are presented in this report. The five surveys differ in survey area as shown in the participating jurisdictions table on page 7.

A summary of the 2016 survey data for households in the Greater Toronto and Hamilton Area only is presented in the 2016 TTS report, “2016, 2011, 2006, 1996 and 1986 Travel Summaries for the Greater Toronto and Hamilton Area” and trip matrices are presented in the 2016 TTS report, “2016, 2011, 2006, 1996 and 1986 Transportation Tomorrow Survey Origin-Destination Matrices”.

Information in this report is based on Version 3.1 of the 1986 TTS database, Version 2.1 of the 1996 TTS database, Version 1.0 of the 2006 TTS database, Version 1.0 of the 2011 TTS database, and Version 1.0 of the 2016 TTS database.

The information presented includes socio-demographic and travel characteristics. In addition to presenting the magnitude of the trips coming into and leaving an area, the summary tables also describe travel characteristics such as travel purpose, trip start time, travel distance and travel mode choice. Two time periods are reported: the morning peak travel period of 6:00 to 8:59 a.m. and the full 24-hour day (labelled in the tables as 6-9 A.M.). In the 2016 results, medians of trip distances are determined based on all trips, including those with trip ends outside of the study area. In earlier cycles, median trip distance calculations excluded trips with trip ends outside the study area (as there was less precision in the geocoding of coordinates external to the study area). Definitions of terms are listed on the next page.

To reflect the fact that all numbers presented in this report are estimates based on expanded survey data, all numeric figures are rounded. Totals and subtotals are rounded to the nearest 100 for all data presented in this report. All percentages are rounded to the nearest integer. No information is presented for categories that have less than four observations or survey records. These categories are denoted by an asterisk (*). Some areas were not part of the survey for all five years listed and n/a was used to denote that no information is available for a particular municipality for a given year.

Invalid survey responses are dealt with in two ways. The response is grouped under the “other” category if one is available (travel mode, for example). Otherwise, invalid responses are distributed proportionately (based on the valid responses) between the available categories.

For complete and detailed coverage of all aspects of the surveys, please refer to the reports available at:
<http://www.dmg.utoronto.ca/reports/ttsreports.html>

Data Key

HOUSEHOLD CHARACTERISTICS

Households	Total number of households in the area
Dwelling Type	Distribution of households by dwelling type: house, townhouse, or apartment.
Household Size	Distribution of households by the number of persons in residence at the time of the survey interview.
Number of Available Vehicles	Distribution of households by number of vehicles available to the household for personal use.
Household Averages:	
Persons/household	Total population divided by total number of households.
Workers/household	Total number of employed persons (full-time, part-time, work-from-home) divided by total number of households.
Drivers/household	Total number of persons in possession of a driver's licence divided by the total number of households. The calculation excludes a small % of households for which the total number of drivers was unknown.
Vehicles/household	Total number of vehicles available for personal use divided by the total number of households.
Trips/day/household	Total number of daily trips made by persons of age 11 and over divided by the total number of households.

POPULATION CHARACTERISTICS

Population	Total population residing in private dwellings in the area at the time of the survey. Excludes residents living in collective dwellings (who were not surveyed). In 2011 only, the survey data were expanded to represent the total population including those in collective dwellings.
Age	Distribution of population by age group. Note: may not exactly match census distributions exactly. In 2016 data, approximately 20% of persons 75+ were assumed to live in collective dwellings (and are not represented by the survey results).
Median Age	50% of the population are above and 50% are below the median age.
Daily Trips per Person	Number of trips made by persons aged 11 and over divided by the number of persons aged 11 and over.
Daily Work Trips per Worker	Number of work trips made by employed persons divided by the number of employed persons.
Employment Type	Full time outside the home, part-time outside the home, work at home (full-time or part-time).
Student	% of population who are students. Student status was not asked for persons aged 6-10, but was assumed.
Licensed	% of population with a valid driver's licence. Persons with unknown licence status were excluded from the calculation.
Transit	% of population in possession of a valid transit pass. Persons with unknown data were excluded from the calculation.

TRIPS MADE...

...BY RESIDENTS OF THE AREA	Survey statistics for all trips made by population residing within the given geography reported on.
...TO THE AREA	Survey statistics for all trips with a destination within the given geography reported on, whether made by residents of the given geography or by residents of all other geographies included in the entire TTS survey area.
Time Period	Two time periods are reported: the morning peak travel period of 6:00 to 8:59 a.m. and the full 24-hour day.
Trips	Total estimated average trips for the reported time period on weekdays (estimates based on the survey data expanded to represent the total population).
Trip Purpose (for trips made by residents of the area):	Distribution of all trips made by residents across the following categories:
HB-W	Home-based work: Home to work and work to home.
HB-S	Home-based school: Home to school and school to home.
HB-D	Home-based discretionary: All other home-based trips.
N-HB	Non-home-based: All trips where neither end is home.
Trip Purpose (for trips to the area):	Distribution of all trips made to the area across the following categories:
Work	Destination purpose is work.
School	Destination purpose is school.
Home	Destination purpose is to return home.
Other	Other destination purpose, such as shopping, entertainment, pick someone up/drop someone off, etc.
Modes of travel:	
Driver	Automobile driver.
Pass.	Automobile passenger.
Transit	Public transit (local transit). If a trip uses more than one mode category which includes public transit, then public transit is given preference as the primary mode. In cases where both GO Train and local transit were used, GO Train is the dominant classification.
GO Train	GO Train. In cases where both GO Train and local transit were used, GO Train is the dominant classification.
Walk & Cycle	Walk or bicycle.
Other	Other modes of travel. Includes motorcycle, taxi, school bus, and all other modes.
Median Trip Length (km)	Trip length measured as the straight line distance between the origin and destination coordinates of the trip. Reported for trips with the following modes: driver, passenger, transit, and GO Train.

Comparability of Survey Cycles

Caution should be undertaken when comparing data between survey cycles. The comparability of the datasets for individual cycles may be affected by a number of factors including: how well the target population (residents of private households) is represented by the sample source used in the given cycle; changes in survey methods; and how the survey sample was weighted and expanded to represent the total population.

From 1986 through 2001, the sample source of listed land-line telephone subscribers provided excellent coverage of all private residences in the survey area,¹ the survey methods were the same, and it was possible to weight the data with simple expansion factors such that the weighted data matched household counts. While simple expansion factors might not take into account some household characteristics and population demographics that may be considered to be determinants of travel behavior, given that coverage of all households was good and response rates were high, the expanded data could be considered to be quite representative of the target population. Due to the consistency of the sample frame, survey methods, and data weighting, the data for these cycles can be considered quite comparable to each other.

In 2006, the survey methods and data weighting were also the same as in previous cycles, however, it may be noted that cell-phone-only households were beginning to represent an appreciable proportion of the population, with the proportion of households in Ontario with telephone land-lines having declined to 92.5%, and with younger households in particular being less likely to have land-lines.² As the survey sample was based entirely on listed land-lines as in previous cycles, the exclusion of cell-phone only households may have had a very modest impact on the representativeness of the expanded survey data.

The 2011 survey cycle had a number of differences from previous cycles:

- By 2011, cell-phone-only households were very common, with the proportion of households with a traditional land-line being less than 71%³ and the proportion of younger households with land-lines having diminished considerably further.⁴ As the survey sample frame was still listed land-lines, the exclusion of cell-phone-only households had a more pronounced impact on the representativeness of the expanded survey data than in previous cycles, particularly in areas with higher concentrations of younger households and smaller households (e.g. downtown Toronto). Even after the application of data weighting adjustments, some remaining bias from the limitations of the sampling frame could have affected the representativeness of the survey results.
- In 2011, online surveying was introduced as a survey method, with approximately 12% of respondents completing online. It may be possible that online respondents may interpret the questionnaire differently than when guided by a survey interviewer, so there is the possibility that the introduction of this new survey method may have had a modest impact on results.

¹ As of May 2003, only 1.7% of households in Ontario had only cell phones, and only 1.2% of all Canadian households had no telephone service of any kind, *Statistics Canada Residential Telephone Service Survey (RTSS), December 2005 data release* (<http://www.statcan.gc.ca/daily-quotidien/060405/dq060405b-eng.htm>).

² *Statistics Canada Residential Telephone Service Survey (RTSS), December 2006 data release* (<http://www.statcan.gc.ca/daily-quotidien/070504/dq070504a-eng.htm>). While statistics are not available by age specifically for 2006, by 2008 fully 35.8% of households comprised solely of 18-34 year olds had only cell phones and no land line telephone. *RTSS December 2008 data release* (<http://www.statcan.gc.ca/daily-quotidien/090615/t090615c1-eng.htm>).

³ The proportion of households with a traditional land-line was 71% in 2010, so likely even lower in 2011. *Statistics Canada Residential Telephone Service Survey (RTSS), December 2010 data release* (<http://www.statcan.gc.ca/daily-quotidien/110405/dq110405a-eng.htm>).

⁴ While statistics are not available specifically for 2011, by 2013 60% of households under 35 years of age were cell-phone-only households. *Statistics Canada Residential Telephone Service Survey (RTSS), December 2013 data release* (<http://www.statcan.gc.ca/daily-quotidien/140623/dq140623a-eng.htm>).

- A new approach to data weighting was taken in 2011. Adjustments were made first to expand the number of households to represent total apartments and non-apartments in the geographies of the study area, followed by adjustments such that the expanded survey data represented the Census distributions of the total population by age group. The Census counts of total population by age group include people living in collective dwellings⁵ so the survey results for the 2011 cycle may slightly over-represent the survey's target population (people living in private dwellings) and thus may slightly over-represent the number of trips made. The weighted household counts in 2011 deviated somewhat from the total private households in each study area per the Census.

The 2016 cycle also had a number of differences from previous cycles:

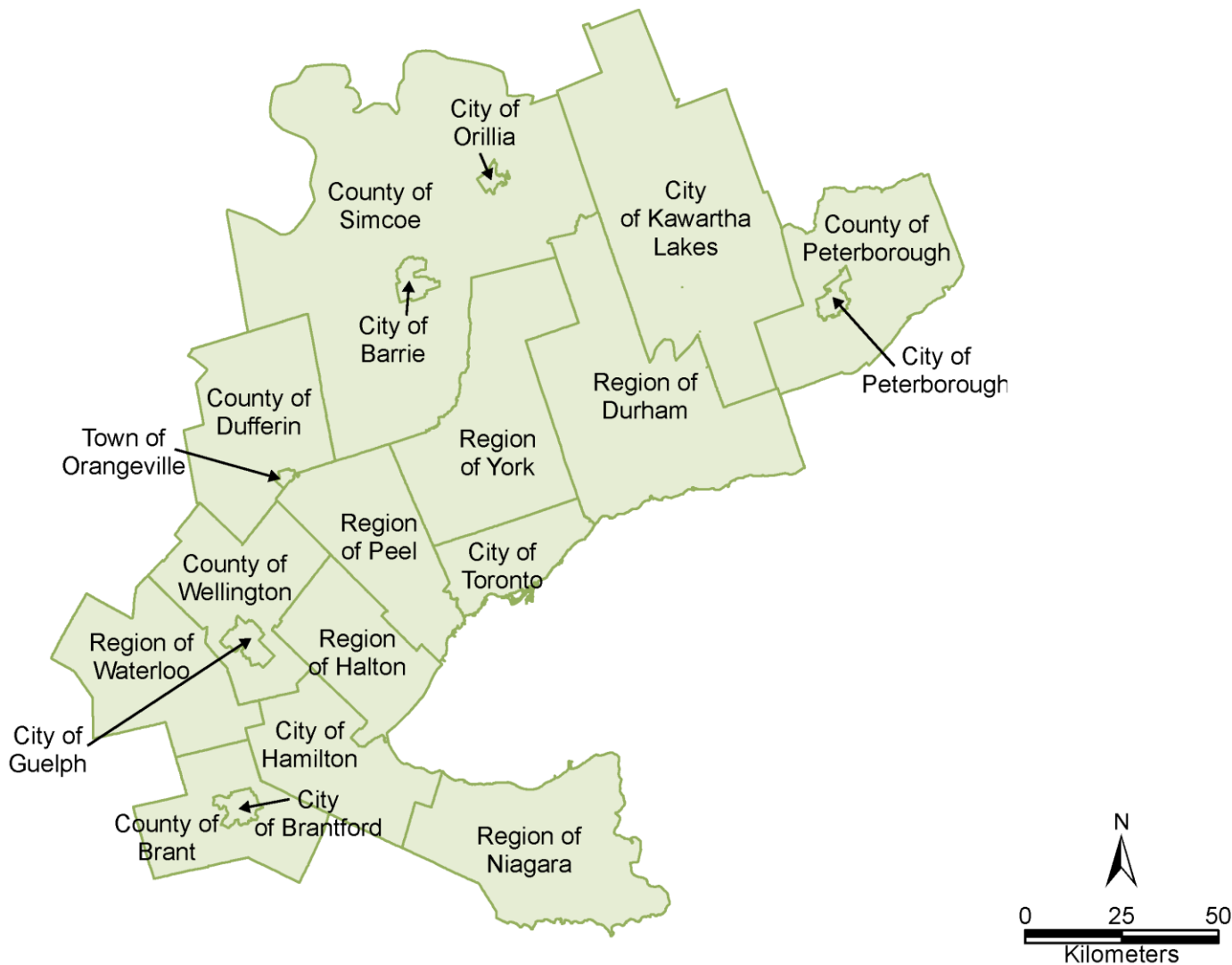
- In 2016, an address-based sample frame was adopted in order to obtain coverage of all households, not just those with directory-listed telephone land-lines. A portion of the random address sample was matched to listed phone numbers and received high response in both telephone and online surveying. However, the 'address-only' portion of the sample, which received only a survey invitation letter, had lower response. While it was necessary to use address-only sample to achieve coverage of cell-phone-only households, there is likely higher non-response bias in this portion of the sample, although this is compensated for in part by data weighting.
- In 2016, the proportion of all surveys completed online increased considerably, to 64% of all survey completions. If online respondents interpreted the questionnaire differently than respondents surveyed by telephone interview, then this could have an impact on results.
- A more complex approach to data weighting was taken in 2016: an iterative proportional fitting method was undertaken to adjust the household weights according to the following controls: dwelling type, household size, and householder age by gender. As the method employed made household-level adjustments based on the age/gender demographics of all householders, the 2016 expanded household counts in the survey data match the Census household counts (rather than matching population as in 2011). It may also be noted that the 2016 survey data take into account household size, whereas previous surveys may have had more variance from Census household size distributions. If travel patterns differ for people in households of different sizes, this may have an impact on the survey estimates.

Readers may note that the 2016 survey obtained 2.3% more survey completions than were obtained in 2011, but gathered 3.5% fewer person records (see page 8). This may be due, in part, to the ongoing trend of diminishing household sizes and, in part, to better coverage of one-person households in the 2016 survey (the 2011 survey under-represented one-person households and over-represented two- and three-person households). The distribution of households by dwelling type also differs from previous cycles to a greater extent than might be explained by changes in housing stock in the intervening years (55% houses in 2016, compared to 67% in both 2011 and 2006 TTS). Whatever the reasons, there appear to be some differences in the composition of the survey samples prior to data weighting. This may have some impact on the comparability of results even after the data weighting applied for each survey cycle. It is unclear whether the 2016 survey data is a more or less 'accurate' representation of the travel behaviour of residents of private households compared to the 2011 cycle. The lower total daily trip estimates in 2016 compared to 2011 do not necessarily indicate a reduction in total trips in actuality. Further research to explore the impacts of changing sample frames, survey methods, and data weighting on the survey results is recommended. For the above reasons, caution should be undertaken when comparing the results from the 2006, 2011, and 2016 survey cycles.

⁵ In 2011, 1.4% of the population in the study area did not live in private dwellings. In 2016, the proportion was similar, at 1.3%.

Area summaries

TRANSPORTATION TOMORROW SURVEY AREA



TRANSPORTATION TOMORROW SURVEY AREA

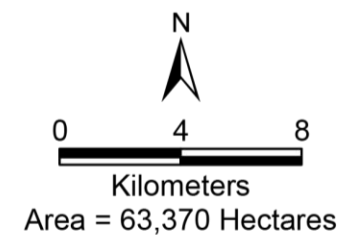
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	3,336,000	55%	10%	35%	25%	30%	17%	17%	11%	14%	39%	35%	9%	4%	2.6	1.5	1.8	1.5	5.3
2011 TTS	3,117,500	67%	8%	25%	19%	33%	19%	19%	10%	12%	39%	38%	8%	3%	2.7	1.5	1.8	1.5	5.7
2006 TTS	2,871,200	67%	7%	25%	21%	33%	18%	18%	10%	14%	40%	36%	8%	2%	2.7	1.4	1.8	1.5	5.8
1996 TTS	2,311,800	63%	6%	31%	21%	31%	18%	19%	11%	15%	41%	35%	7%	2%	2.7	1.4	1.7	1.4	5.7
1986 TTS	1,466,100	66%	n/a	34%	19%	31%	19%	20%	11%	15%	43%	33%	7%	3%	2.8	1.5	1.7	1.4	6.0

POPULATION CHARACTERISTICS																		
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population		Employment Type			Student	Licensed	Transit Pass
		0-10	11-15	16-25	26-45	46-64	65+	Median			Male	Female	Full Time	Part Time	At Home			
2016 TTS	8,822,800	12%	6%	13%	27%	27%	14%	40.0	2.3	0.74	4,296,000	45%	7%	4%	22%	71%	16%	
2011 TTS	8,520,300	12%	6%	13%	28%	26%	14%	39.8	2.4	0.74	4,138,300	42%	7%	5%	24%	71%	9%	
2006 TTS	7,705,300	13%	7%	11%	28%	25%	15%	40.6	2.5	0.76	3,719,900	43%	6%	5%	23%	70%	6%	
1996 TTS	6,271,200	15%	7%	13%	35%	19%	11%	34.8	2.5	0.79	3,070,500	45%	6%	3%	25%	68%	5%	
1986 TTS	4,062,900	14%	7%	17%	35%	19%	9%	32.1	2.4	0.77	1,996,000	56%	5%	1%	22%	70%	n/a	
											4,526,800	33%	11%	4%	21%	65%	17%	
											4,382,000	31%	11%	4%	22%	64%	11%	
											3,985,400	31%	11%	3%	22%	61%	8%	
											3,200,800	31%	11%	2%	24%	58%	6%	
											2,066,900	36%	11%	2%	21%	55%	n/a	

TRIPS MADE BY RESIDENTS OF TTS AREA																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	4,163,300	23.8%	50%	19%	22%	9%	60%	11%	13%	2%	10%	5%	8.2	3.6	7.7	30.5
	4,096,500	22.9%	46%	21%	22%	11%	61%	13%	12%	2%	8%	4%	7.1	3.3	7.5	30.4
	3,790,000	22.9%	48%	22%	20%	10%	61%	13%	11%	2%	9%	5%	7.1	3.3	6.9	30.1
	2,930,700	22.3%	53%	24%	15%	8%	59%	12%	13%	1%	10%	4%	7.7	3.8	6.3	29.4
	1,927,900	23.5%	64%	19%	12%	6%	57%	10%	21%	1%	9%	3%	8.1	5.0	6.5	28.0
24 Hrs	17,522,700		34%	11%	40%	15%	64%	13%	11%	1%	8%	3%	6.3	4.4	6.6	30.8
	17,924,300		30%	12%	41%	17%	64%	16%	10%	1%	6%	2%	5.4	4.1	6.6	30.8
	16,541,700		31%	12%	41%	16%	65%	16%	9%	1%	6%	3%	5.3	4.1	6.1	30.3
	13,185,500		33%	12%	39%	15%	64%	16%	10%	1%	6%	3%	5.4	4.0	5.6	29.4
	8,213,000		38%	13%	35%	14%	60%	14%	16%	1%	7%	2%	5.7	4.1	5.8	27.9

TRIPS MADE TO TTS AREA BY RESIDENTS OF THE TTS AREA (EXCLUDES DESTINATIONS EXTERNAL TO THE TTS AREA)																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	4,136,100	23.7%	55%	20%	6%	19%	60%	11%	13%	2%	10%	5%	8.1	3.5	7.7	30.5
	4,070,800	22.8%	51%	22%	6%	21%	61%	13%	12%	2%	8%	4%	7.1	3.3	7.5	30.4
	3,768,100	22.9%	52%	23%	6%	20%	61%	13%	11%	2%	9%	5%	7.1	3.3	6.9	30.1
	2,907,500	22.2%	57%	24%	4%	15%	59%	12%	13%	1%	10%	4%	7.7	3.8	6.3	29.4
	1,899,400	23.4%	68%	19%	3%	11%	56%	10%	21%	1%	9%	3%	8.1	5.0	6.5	28.0
24 Hrs	17,435,500		22%	6%	43%	30%	64%	13%	11%	1%	8%	3%	6.2	4.4	6.6	30.8
	17,835,800		17%	6%	42%	35%	64%	16%	10%	1%	6%	2%	5.4	4.1	6.6	30.8
	16,471,500		17%	6%	42%	34%	65%	16%	9%	1%	6%	3%	5.3	4.1	6.1	30.3
	13,071,600		18%	7%	42%	33%	64%	16%	10%	1%	6%	3%	5.4	4.0	5.6	29.4
	8,115,700		21%	7%	43%	29%	60%	14%	16%	1%	7%	2%	5.7	4.1	5.8	27.9

CITY OF TORONTO



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The geographies depicted on the map are the former municipalities that amalgamated in 1998 as the City of Toronto. These historical geographies are still sometimes used for data comparisons with earlier cycles of the TTS data.

CITY OF TORONTO

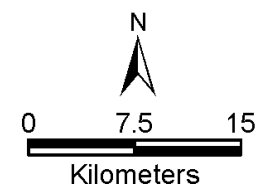
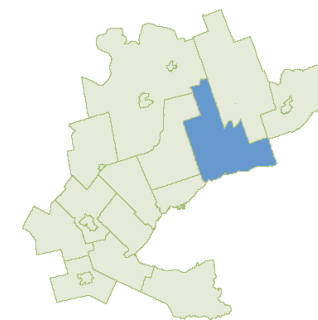
HOUSEHOLD CHARACTERISTICS																			
Households	Dwelling Type			Household Size					Number of Available Vehicles				Household Averages						
	House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day	
2016 TTS	1,113,000	31%	6%	63%	32%	30%	16%	13%	9%	28%	48%	20%	4%	1%	2.4	1.4	1.5	1.0	4.6
2011 TTS	1,009,400	49%	6%	45%	24%	32%	19%	17%	9%	23%	49%	24%	4%	1%	2.6	1.4	1.6	1.1	5.1
2006 TTS	979,300	50%	6%	44%	27%	33%	18%	15%	8%	26%	47%	22%	4%	1%	2.5	1.3	1.5	1.1	4.9
1996 TTS	908,500	49%	4%	47%	27%	31%	17%	15%	10%	26%	47%	22%	4%	1%	2.5	1.3	1.5	1.1	5.0
1986 TTS	820,800	56%	n/a	44%	24%	32%	18%	16%	10%	21%	47%	25%	5%	2%	2.6	1.5	1.6	1.2	5.3

POPULATION CHARACTERISTICS																	
Population	Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass	
	0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home				
																	Male
2016 TTS	2,671,500	11%	5%	13%	31%	26%	14%	38.8	2.2	0.76	1,286,500	45%	7%	4%	22%	68%	24%
2011 TTS	2,616,800	11%	6%	15%	29%	25%	15%	40.2	2.2	0.74	1,251,300	40%	8%	5%	25%	68%	15%
2006 TTS	2,445,900	12%	6%	11%	30%	24%	18%	41.3	2.2	0.77	1,161,900	41%	6%	5%	23%	67%	11%
1996 TTS	2,305,600	13%	6%	13%	37%	19%	13%	35.3	2.3	0.80	1,113,400	44%	6%	3%	24%	67%	7%
1986 TTS	2,135,000	12%	6%	18%	34%	20%	10%	32.9	2.2	0.78	1,043,200	57%	5%	1%	21%	70%	n/a
											1,385,500	35%	10%	4%	21%	57%	26%
											1,365,000	31%	11%	4%	23%	56%	18%
											1,284,000	31%	9%	3%	21%	53%	13%
											1,192,200	32%	9%	2%	23%	51%	8%
											1,091,900	40%	9%	2%	19%	51%	n/a

TRIPS MADE BY RESIDENTS OF CITY OF TORONTO																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	1,240,300	24.1%	54%	18%	20%	8%	44%	9%	30%	1%	14%	2%	7.0	3.8	7.4	17.0
	1,203,200	23.3%	49%	22%	20%	9%	46%	12%	28%	1%	11%	2%	6.2	3.5	7.3	17.5
	1,115,700	23.3%	51%	21%	19%	9%	48%	12%	27%	1%	11%	1%	6.7	3.8	6.9	18.7
	1,036,900	22.9%	56%	23%	14%	7%	48%	12%	27%	1%	11%	1%	7.4	4.3	6.4	17.9
24 Hrs	1,017,700	24.4%	67%	18%	10%	5%	49%	9%	32%	1%	9%	1%	7.6	5.1	6.6	17.2
	5,141,800		36%	11%	38%	15%	46%	11%	27%	1%	13%	2%	5.5	4.1	6.5	17.9
	5,153,300		33%	13%	39%	15%	50%	14%	24%	0%	9%	2%	4.9	4.0	6.6	18.3
	4,786,200		33%	12%	39%	15%	53%	15%	23%	0%	8%	2%	5.1	4.2	6.2	18.8
	4,522,800		35%	13%	37%	15%	53%	15%	22%	0%	8%	1%	5.5	4.3	5.8	17.9
	4,163,200		41%	13%	33%	14%	53%	13%	25%	0%	7%	1%	5.7	4.3	6.0	18.3

TRIPS MADE TO CITY OF TORONTO BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	1,467,400	26.5%	61%	18%	4%	16%	44%	9%	28%	6%	12%	2%	8.8	4.4	8.2	30.6
	1,458,400	26.0%	56%	22%	4%	18%	46%	11%	26%	7%	9%	1%	8.0	4.3	8.3	30.4
	1,327,600	25.7%	58%	21%	4%	17%	48%	11%	25%	5%	9%	1%	8.3	4.5	7.7	30.2
	1,200,800	25.0%	62%	22%	3%	13%	50%	11%	25%	3%	10%	1%	9.0	5.2	6.9	29.4
24 Hrs	1,119,500	25.9%	71%	18%	2%	10%	49%	9%	31%	2%	8%	1%	8.5	5.8	6.9	28.2
	5,527,400		26%	7%	40%	28%	47%	10%	26%	2%	13%	2%	6.2	4.4	6.8	29.6
	5,601,200		21%	8%	39%	32%	51%	14%	24%	2%	8%	2%	5.5	4.2	6.9	29.7
	5,173,700		21%	7%	39%	32%	53%	14%	22%	2%	8%	1%	5.7	4.4	6.5	29.1
	4,809,800		22%	7%	40%	31%	54%	14%	22%	1%	8%	1%	6.1	4.5	6.0	27.8
	4,315,400		24%	7%	42%	28%	54%	12%	25%	1%	7%	1%	6.0	4.4	6.1	25.6

REGIONAL MUNICIPALITY OF DURHAM



Area = 262,290 Hectares

REGIONAL MUNICIPALITY OF DURHAM

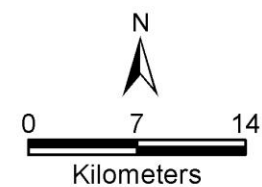
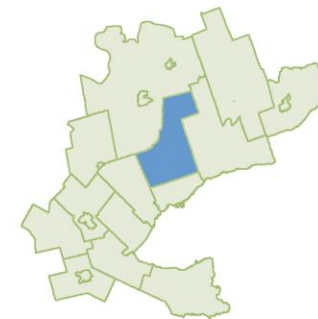
HOUSEHOLD CHARACTERISTICS																			
Households	Dwelling Type			Household Size					Number of Available Vehicles				Household Averages						
	House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day	
2016 TTS	227,900	73%	11%	16%	19%	30%	18%	20%	12%	6%	32%	44%	13%	5%	2.8	1.6	2.0	1.8	5.6
2011 TTS	216,900	81%	8%	11%	16%	34%	20%	20%	11%	5%	32%	47%	12%	4%	2.8	1.5	2.0	1.8	6.2
2006 TTS	194,600	80%	8%	12%	17%	33%	19%	20%	10%	6%	33%	46%	11%	4%	2.8	1.5	1.9	1.7	6.3
1996 TTS	154,300	78%	6%	16%	15%	30%	20%	23%	12%	6%	35%	47%	9%	2%	2.9	1.5	1.9	1.7	6.2
1986 TTS	106,000	83%	n/a	17%	13%	29%	20%	26%	12%	5%	37%	45%	10%	3%	3.0	1.6	1.9	1.7	6.8

POPULATION CHARACTERISTICS																	
Population	Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass	
	0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home				
																	Male
2016 TTS	634,600	13%	6%	13%	26%	28%	13%	39.9	2.3	0.72	309,700	45%	7%	4%	22%	71%	14%
2011 TTS	608,200	14%	7%	13%	27%	27%	12%	39.0	2.6	0.74	298,200	43%	6%	5%	23%	71%	8%
2006 TTS	539,500	13%	8%	11%	27%	27%	13%	40.7	2.6	0.76	260,900	45%	6%	5%	24%	72%	6%
1996 TTS	450,400	19%	7%	11%	36%	17%	8%	33.8	2.6	0.78	223,600	47%	5%	2%	26%	67%	4%
1986 TTS	317,900	18%	8%	15%	36%	16%	7%	30.7	2.6	0.75	157,800	56%	4%	1%	23%	69%	n/a
											324,900	33%	12%	4%	22%	69%	15%
											310,100	32%	11%	4%	21%	68%	9%
											278,600	32%	11%	3%	23%	66%	6%
											226,800	31%	11%	2%	24%	62%	4%
											160,000	29%	12%	2%	24%	59%	n/a

TRIPS MADE BY RESIDENTS OF REGIONAL MUNICIPALITY OF DURHAM																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	298,700	23.3%	48%	20%	22%	10%	67%	11%	4%	5%	8%	5%	11.4	3.1	9.3	39.8
	302,200	22.5%	43%	20%	24%	12%	66%	13%	4%	6%	7%	5%	8.7	2.9	6.7	38.6
	281,000	23.0%	46%	23%	21%	11%	66%	13%	4%	4%	8%	5%	8.7	2.9	4.4	38.1
	214,900	22.3%	51%	24%	16%	8%	65%	12%	4%	4%	10%	5%	10.3	3.8	3.6	36.7
24 Hrs	146,000	21.9%	59%	20%	14%	7%	65%	12%	5%	3%	9%	5%	8.3	5.4	3.8	34.7
	1,279,200		32%	11%	41%	16%	72%	14%	3%	3%	5%	3%	7.3	4.8	6.7	39.9
	1,342,000		29%	11%	43%	17%	70%	17%	3%	3%	4%	2%	5.9	4.0	6.6	38.6
	1,221,000		30%	12%	42%	16%	70%	17%	3%	2%	5%	3%	5.8	4.1	4.6	38.2
	964,100		32%	12%	41%	15%	71%	16%	3%	2%	6%	3%	5.8	4.0	3.7	36.6
	667,700		33%	12%	40%	15%	69%	17%	3%	2%	6%	4%	5.2	4.2	3.8	34.8

TRIPS MADE TO REGIONAL MUNICIPALITY OF DURHAM BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	225,700	19.7%	43%	26%	8%	23%	67%	13%	4%	0%	10%	7%	6.5	2.4	5.5	30.5
	234,500	19.3%	38%	26%	9%	27%	67%	14%	4%	0%	9%	6%	5.5	2.4	4.8	26.9
	220,700	19.9%	40%	28%	8%	23%	64%	15%	4%	0%	11%	6%	5.5	2.4	3.3	29.9
	165,100	18.9%	45%	31%	6%	18%	62%	13%	4%	0%	13%	7%	5.9	2.7	3.2	23.7
24 Hrs	116,600	19.1%	57%	24%	5%	14%	64%	13%	5%	0%	12%	7%	5.8	4.0	3.3	13.2
	1,143,100		15%	6%	47%	32%	71%	15%	3%	2%	6%	3%	6.2	4.3	6.0	39.5
	1,212,600		12%	6%	46%	37%	70%	18%	3%	2%	5%	3%	5.1	3.8	5.8	38.5
	1,108,800		12%	6%	46%	35%	70%	17%	3%	1%	6%	3%	5.1	3.8	4.2	38.2
	872,000		13%	6%	47%	34%	70%	17%	3%	1%	6%	3%	4.9	3.8	3.5	36.5
	611,100		15%	6%	46%	32%	68%	17%	3%	1%	7%	4%	4.7	3.9	3.5	34.8

REGIONAL MUNICIPALITY OF YORK



Area = 197,600 Hectares

REGIONAL MUNICIPALITY OF YORK

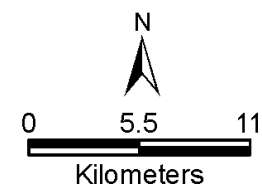
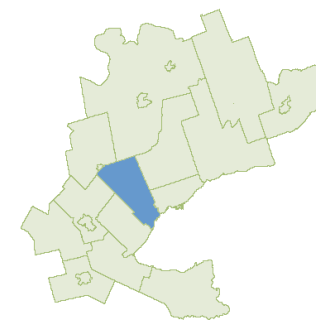
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	357,000	70%	12%	17%	15%	26%	20%	23%	15%	4%	30%	48%	13%	6%	3.1	1.7	2.1	1.9	5.9
2011 TTS	336,900	79%	10%	11%	11%	28%	23%	25%	13%	4%	29%	51%	12%	4%	3.1	1.7	2.1	1.9	6.6
2006 TTS	275,700	81%	9%	9%	11%	28%	21%	26%	15%	4%	29%	50%	12%	4%	3.1	1.7	2.1	1.8	6.7
1996 TTS	178,200	83%	6%	12%	12%	25%	20%	26%	17%	4%	28%	51%	12%	4%	3.2	1.6	2.1	1.8	6.8
1986 TTS	106,000	90%	n/a	10%	8%	26%	21%	28%	17%	4%	28%	51%	12%	5%	3.3	1.7	2.1	1.9	7.2

POPULATION CHARACTERISTICS																									
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass								
		0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home											
																		Male	531,800	46%	6%	5%	24%	72%	13%
																		503,400	44%	6%	5%	25%	72%	8%	
																		418,800	45%	5%	5%	25%	71%	5%	
																		281,200	47%	5%	3%	28%	68%	3%	
																		169,700	56%	4%	1%	25%	69%	n/a	
2016 TTS	1,091,000	13%	7%	13%	26%	28%	14%	40.7	2.2	0.74	Female	559,200	34%	10%	4%	22%	67%	14%							
2011 TTS	1,032,700	13%	7%	13%	28%	27%	12%	39.4	2.5	0.75	529,300	33%	11%	4%	23%	68%	8%								
2006 TTS	857,500	14%	8%	12%	28%	26%	12%	40.0	2.5	0.77	438,700	33%	10%	4%	24%	65%	6%								
1996 TTS	567,700	17%	8%	13%	35%	19%	8%	34.7	2.6	0.80	286,500	32%	11%	2%	26%	64%	3%								
1986 TTS	345,000	18%	8%	16%	36%	16%	6%	30.7	2.5	0.76	175,300	33%	11%	2%	24%	60%	n/a								

TRIPS MADE BY RESIDENTS OF REGIONAL MUNICIPALITY OF YORK																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	541,600	25.7%	48%	20%	22%	9%	65%	12%	7%	3%	7%	4%	9.4	3.5	17.8	27.0
	548,700	24.7%	45%	20%	23%	12%	66%	14%	7%	4%	6%	4%	8.3	3.5	17.7	26.5
	465,400	25.1%	46%	22%	21%	11%	65%	14%	7%	3%	6%	5%	8.7	3.4	17.6	26.6
	294,900	24.4%	50%	25%	16%	9%	65%	13%	7%	1%	7%	6%	10.3	3.9	17.1	26.4
	169,200	24.1%	62%	20%	12%	6%	66%	11%	9%	1%	6%	7%	12.2	7.4	17.1	26.9
24 Hrs	2,109,800		35%	12%	39%	15%	70%	15%	6%	2%	5%	3%	7.2	4.5	15.5	27.1
	2,220,200		31%	12%	41%	16%	70%	16%	6%	2%	4%	2%	6.4	4.5	16.1	26.7
	1,853,200		32%	13%	40%	16%	69%	17%	5%	1%	4%	3%	6.7	4.4	15.7	26.5
	1,206,700		33%	14%	38%	15%	70%	16%	5%	1%	5%	3%	7.1	4.3	15.8	26.3
	702,700		36%	13%	36%	15%	69%	14%	6%	1%	5%	5%	8.1	5.4	15.7	26.8

TRIPS MADE TO REGIONAL MUNICIPALITY OF YORK BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	500,700	24.2%	55%	19%	6%	20%	71%	13%	4%	0%	8%	5%	9.4	3.1	7.5	28.7
	478,200	22.5%	50%	20%	6%	23%	71%	15%	4%	0%	6%	4%	7.6	3.1	6.5	34.7
	419,300	23.4%	52%	21%	6%	20%	69%	15%	3%	*	7%	6%	8.3	3.2	6.8	*
	281,900	23.7%	58%	23%	4%	15%	67%	14%	4%	0%	8%	7%	10.2	3.8	7.6	2.5
	147,600	22.2%	68%	19%	3%	11%	68%	11%	6%	0%	7%	7%	10.4	5.9	8.5	27.2
24 Hrs	2,068,400		22%	5%	44%	29%	72%	15%	5%	1%	5%	3%	7.1	4.4	10.8	27.2
	2,125,000		17%	5%	44%	35%	71%	17%	4%	1%	4%	2%	6.2	4.4	11.7	26.7
	1,788,900		18%	5%	43%	33%	71%	17%	4%	1%	5%	3%	6.5	4.3	11.1	26.4
	1,187,400		19%	6%	43%	32%	71%	17%	4%	0%	5%	3%	7.0	4.4	10.8	26.2
	666,000		19%	6%	45%	30%	70%	15%	5%	0%	5%	5%	7.8	5.4	12.6	26.3

REGIONAL MUNICIPALITY OF PEEL



Area = 125,550 Hectares

REGIONAL MUNICIPALITY OF PEEL

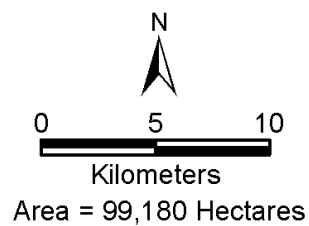
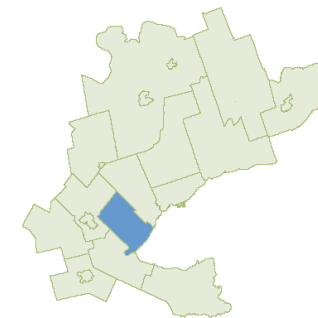
HOUSEHOLD CHARACTERISTICS																			
Households	Dwelling Type			Household Size					Number of Available Vehicles				Household Averages						
	House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day	
2016 TTS	430,100	59%	13%	28%	16%	24%	19%	22%	19%	7%	36%	42%	12%	4%	3.1	1.7	2.1	1.7	5.8
2011 TTS	414,200	67%	11%	21%	12%	27%	21%	24%	16%	6%	37%	44%	10%	3%	3.1	1.6	2.0	1.7	6.4
2006 TTS	359,000	70%	11%	19%	13%	27%	20%	24%	16%	6%	37%	43%	10%	3%	3.1	1.7	2.0	1.7	6.5
1996 TTS	266,500	64%	10%	26%	14%	28%	20%	24%	15%	7%	37%	44%	9%	3%	3.0	1.6	1.9	1.6	6.3
1986 TTS	186,800	72%	n/a	28%	12%	27%	21%	25%	14%	5%	37%	45%	10%	4%	3.1	1.7	2.0	1.7	6.8

POPULATION CHARACTERISTICS																		
Population	Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass		
	0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home					
																	Male	Female
										663,700	46%	7%	3%	25%	69%	20%		
										638,400	44%	6%	4%	26%	69%	9%		
										548,300	46%	6%	4%	26%	68%	5%		
										404,500	50%	5%	2%	25%	67%	4%		
										286,600	58%	4%	1%	24%	69%	n/a		
2016 TTS	1,352,100	13%	7%	14%	28%	26%	12%	37.9	2.1	0.75	688,500	33%	10%	3%	24%	61%	23%	
2011 TTS	1,297,600	14%	7%	14%	29%	25%	11%	37.0	2.4	0.76	659,100	32%	10%	3%	24%	62%	11%	
2006 TTS	1,119,100	15%	8%	12%	31%	24%	11%	37.3	2.5	0.79	570,900	34%	9%	3%	24%	59%	6%	
1996 TTS	812,500	17%	7%	13%	37%	18%	7%	33.0	2.5	0.81	408,000	35%	11%	1%	25%	59%	5%	
1986 TTS	577,000	17%	8%	17%	37%	16%	5%	30.2	2.5	0.78	290,400	38%	10%	2%	23%	58%	n/a	

TRIPS MADE BY RESIDENTS OF REGIONAL MUNICIPALITY OF PEEL																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	660,200	26.5%	47%	22%	23%	9%	63%	13%	8%	4%	8%	5%	8.9	3.4	10.4	27.7
	671,000	25.2%	43%	22%	23%	11%	63%	15%	7%	4%	7%	4%	7.7	3.0	10.1	27.7
	595,000	25.4%	47%	22%	20%	11%	63%	15%	6%	4%	8%	5%	8.3	3.3	9.5	27.2
	420,400	25.0%	54%	22%	15%	8%	64%	14%	6%	3%	8%	5%	9.6	4.0	8.7	26.2
	292,800	24.9%	63%	19%	12%	6%	65%	11%	8%	3%	9%	4%	9.6	4.6	10.3	25.1
24 Hrs	2,495,400		37%	13%	37%	13%	67%	14%	8%	2%	6%	3%	7.3	4.5	8.7	27.6
	2,666,200		32%	13%	40%	15%	66%	17%	7%	2%	5%	2%	6.3	4.1	8.8	27.7
	2,340,500		34%	13%	38%	15%	67%	17%	6%	2%	5%	3%	6.6	4.5	7.8	27.1
	1,684,700		37%	13%	37%	14%	69%	16%	5%	2%	5%	3%	7.0	4.5	6.8	26.1
	1,177,400		39%	13%	34%	14%	68%	15%	6%	2%	7%	3%	6.7	4.0	7.7	24.8

TRIPS MADE TO REGIONAL MUNICIPALITY OF PEEL BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	644,200	26.1%	54%	20%	7%	19%	68%	13%	6%	0%	8%	5%	9.6	3.3	6.9	19.1
	646,400	24.7%	50%	21%	7%	22%	69%	15%	5%	0%	7%	4%	8.5	2.8	6.4	23.6
	572,300	24.9%	53%	22%	6%	19%	68%	15%	4%	0%	8%	5%	9.0	3.1	6.5	20.0
	386,400	23.7%	58%	23%	4%	15%	67%	14%	5%	0%	9%	5%	9.6	3.5	5.1	25.2
	252,200	22.9%	66%	20%	3%	12%	68%	11%	6%	0%	10%	5%	9.4	4.0	4.7	13.3
24 Hrs	2,464,600		24%	6%	44%	26%	69%	14%	7%	1%	6%	3%	7.6	4.4	7.5	27.3
	2,619,300		19%	6%	43%	32%	68%	17%	6%	1%	5%	3%	6.5	4.1	7.4	27.7
	2,300,300		20%	6%	43%	31%	69%	17%	5%	1%	5%	3%	6.8	4.4	6.8	27.0
	1,632,400		20%	6%	44%	30%	70%	16%	5%	1%	6%	3%	7.0	4.5	5.8	26.1
	1,099,300		20%	6%	46%	28%	68%	15%	5%	1%	7%	3%	6.6	3.9	6.2	24.1

REGIONAL MUNICIPALITY OF HALTON



REGIONAL MUNICIPALITY OF HALTON

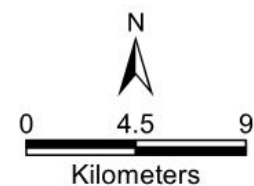
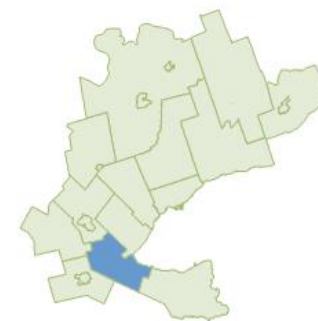
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	193,100	64%	18%	19%	20%	30%	18%	22%	11%	3%	31%	49%	12%	5%	2.8	1.6	2.0	1.8	5.9
2011 TTS	183,700	69%	15%	16%	16%	35%	20%	20%	9%	4%	31%	50%	10%	3%	2.7	1.5	1.9	1.8	6.1
2006 TTS	156,900	71%	13%	16%	17%	36%	19%	19%	9%	5%	31%	51%	10%	3%	2.7	1.5	1.9	1.8	6.3
1996 TTS	118,400	71%	10%	20%	18%	32%	19%	21%	11%	6%	34%	48%	10%	2%	2.8	1.5	1.9	1.7	6.4
1986 TTS	90,200	80%	n/a	20%	14%	30%	20%	24%	12%	5%	35%	46%	11%	4%	2.9	1.6	2.0	1.8	7.3

POPULATION CHARACTERISTICS																		
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass	
		0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home				
																		Male
											262,000	46%	6%	5%	24%	72%	16%	
											243,600	45%	5%	6%	23%	73%	9%	
											204,800	45%	6%	6%	22%	72%	5%	
											161,000	50%	5%	3%	25%	70%	4%	
											131,200	56%	5%	1%	25%	71%	n/a	
2016 TTS	539,200	14%	7%	12%	26%	27%	14%	40.3	2.5	0.73	277,200	33%	11%	5%	23%	70%	15%	
2011 TTS	502,000	15%	6%	11%	29%	25%	14%	39.4	2.6	0.74	258,500	32%	11%	5%	21%	70%	8%	
2006 TTS	422,700	14%	7%	9%	28%	26%	15%	40.9	2.7	0.76	217,900	32%	12%	4%	21%	69%	5%	
1996 TTS	328,300	17%	7%	11%	35%	21%	10%	35.7	2.8	0.79	167,300	32%	13%	2%	23%	67%	4%	
1986 TTS	264,600	16%	8%	15%	33%	20%	8%	33.2	2.8	0.77	133,400	30%	13%	1%	23%	63%	n/a	

TRIPS MADE BY RESIDENTS OF REGIONAL MUNICIPALITY OF HALTON																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	279,300	24.4%	47%	20%	23%	9%	69%	11%	2%	5%	8%	5%	10.2	3.0	9.2	38.1
	255,400	22.6%	46%	18%	24%	12%	70%	11%	2%	7%	6%	4%	8.8	2.8	5.8	38.8
	223,200	22.6%	48%	19%	22%	10%	69%	12%	1%	6%	7%	5%	8.4	2.6	4.7	38.2
	169,200	22.4%	54%	21%	16%	8%	68%	12%	2%	5%	8%	6%	9.9	3.3	3.9	36.1
	127,900	20.9%	61%	19%	14%	6%	69%	10%	3%	5%	8%	5%	9.9	4.4	4.3	38.1
24 Hrs	1,143,900		31%	11%	43%	15%	73%	13%	2%	3%	6%	3%	6.2	4.1	6.4	38.1
	1,129,600		29%	9%	44%	18%	73%	16%	2%	4%	4%	2%	5.4	3.9	5.4	38.5
	989,500		29%	10%	44%	17%	73%	16%	1%	3%	5%	3%	5.4	3.8	4.3	38.1
	754,600		32%	11%	42%	16%	73%	16%	1%	2%	5%	3%	5.2	3.8	3.7	36.0
	613,100		32%	11%	40%	16%	71%	15%	2%	2%	6%	3%	4.9	3.5	3.9	37.8

TRIPS MADE TO REGIONAL MUNICIPALITY OF HALTON BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	247,000	22.3%	50%	22%	7%	22%	71%	12%	2%	0%	9%	6%	8.3	2.8	6.2	23.5
	222,400	20.5%	48%	20%	7%	26%	73%	13%	2%	0%	7%	5%	7.0	2.9	5.1	18.8
	201,300	21.0%	50%	21%	6%	23%	71%	14%	2%	0%	8%	5%	7.0	2.8	4.6	23.9
	146,000	20.0%	53%	24%	5%	18%	69%	13%	2%	0%	9%	6%	7.1	3.1	3.8	26.4
	101,600	17.9%	57%	23%	5%	14%	69%	11%	4%	0%	10%	6%	6.6	3.3	4.0	20.5
24 Hrs	1,109,900		19%	6%	44%	32%	73%	14%	2%	2%	6%	3%	6.0	4.1	6.1	37.7
	1,087,000		15%	5%	43%	38%	73%	16%	2%	2%	4%	2%	5.2	3.9	5.0	38.2
	960,600		15%	5%	42%	37%	74%	16%	1%	2%	5%	2%	5.2	3.9	4.3	37.7
	728,300		16%	6%	44%	35%	73%	17%	1%	1%	5%	3%	4.9	3.8	3.8	35.4
	568,300		15%	6%	45%	34%	71%	16%	2%	1%	6%	3%	4.5	3.5	3.9	37.4

CITY OF HAMILTON



Area = 114,750 Hectares

CITY OF HAMILTON

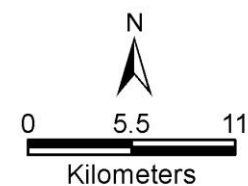
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	211,500	61%	12%	28%	28%	32%	16%	15%	9%	13%	39%	35%	9%	4%	2.5	1.3	1.7	1.5	5.2
2011 TTS	204,900	68%	8%	24%	23%	35%	17%	16%	8%	14%	40%	35%	8%	3%	2.5	1.3	1.7	1.5	5.4
2006 TTS	194,500	68%	8%	24%	25%	35%	16%	15%	9%	16%	41%	34%	7%	2%	2.5	1.2	1.6	1.4	5.4
1996 TTS	179,100	69%	6%	26%	25%	32%	16%	18%	9%	16%	43%	33%	6%	2%	2.6	1.2	1.6	1.4	5.4
1986 TTS	156,300	72%	n/a	28%	20%	32%	18%	19%	10%	15%	45%	31%	7%	2%	2.7	1.3	1.7	1.4	6.1

POPULATION CHARACTERISTICS																		
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass	
		0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home				
																		Male
											256,900	44%	8%	3%	22%	72%	14%	
											252,600	39%	7%	4%	22%	70%	8%	
											236,800	39%	6%	4%	23%	69%	6%	
											226,100	43%	6%	2%	24%	69%	5%	
											207,500	51%	4%	1%	23%	69%	n/a	
2016 TTS	525,500	12%	6%	13%	26%	28%	16%	40.8	2.4	0.73	268,600	32%	12%	3%	21%	67%	16%	
2011 TTS	519,800	12%	6%	13%	26%	27%	16%	40.7	2.4	0.72	267,200	28%	12%	3%	21%	63%	9%	
2006 TTS	487,100	12%	7%	12%	26%	25%	18%	42.1	2.5	0.75	250,300	28%	12%	3%	22%	61%	7%	
1996 TTS	462,000	15%	6%	13%	33%	19%	14%	35.3	2.5	0.77	235,900	26%	13%	1%	23%	58%	7%	
1986 TTS	423,400	14%	7%	17%	31%	20%	11%	33.1	2.5	0.75	215,900	27%	13%	1%	21%	53%	n/a	

TRIPS MADE BY RESIDENTS OF CITY OF HAMILTON																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel					Median Trip Length (km)				
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	239,200	21.9%	51%	19%	21%	8%	66%	11%	7%	1%	9%	6%	8.1	3.9	4.5	58.6
	231,600	20.9%	45%	22%	22%	11%	65%	12%	8%	1%	8%	6%	7.1	3.6	4.3	61.3
	221,000	21.0%	46%	24%	20%	9%	63%	12%	7%	1%	10%	6%	6.7	3.6	4.3	60.1
	194,600	20.0%	52%	25%	16%	7%	63%	13%	7%	1%	12%	5%	6.4	3.6	4.0	60.1
	174,200	19.6%	60%	20%	14%	6%	63%	11%	12%	0%	11%	4%	5.7	4.0	3.6	59.9
24 Hrs	1,090,700		31%	10%	43%	15%	68%	14%	7%	1%	7%	3%	6.3	4.7	4.4	59.0
	1,106,500		28%	11%	44%	18%	67%	17%	7%	1%	5%	3%	5.5	4.1	4.2	60.8
	1,054,300		28%	12%	44%	16%	67%	17%	7%	0%	6%	3%	5.2	4.3	4.0	60.2
	972,500		30%	12%	43%	15%	66%	18%	6%	0%	7%	3%	4.9	3.9	3.7	59.1
	889,100		31%	12%	41%	16%	63%	18%	10%	0%	7%	3%	4.4	3.8	3.6	59.6

TRIPS MADE TO CITY OF HAMILTON BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel					Median Trip Length (km)				
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	222,500	21.2%	51%	23%	6%	20%	64%	12%	8%	0%	10%	6%	7.2	3.8	4.8	28.7
	213,100	20.2%	44%	26%	6%	23%	63%	13%	9%	0%	9%	7%	6.2	3.5	4.6	30.2
	205,000	20.3%	45%	27%	6%	21%	62%	12%	8%	0%	11%	7%	6.0	3.4	4.2	32.5
	181,900	19.5%	52%	27%	5%	16%	62%	13%	7%	0%	13%	6%	5.9	3.5	3.8	44.5
	161,900	18.9%	61%	22%	4%	13%	62%	11%	12%	*	11%	4%	5.4	4.0	3.5	*
24 Hrs	1,048,800		18%	7%	44%	32%	68%	14%	7%	0%	7%	3%	6.0	4.6	4.4	58.9
	1,053,600		14%	7%	43%	37%	66%	17%	7%	0%	6%	3%	5.2	4.0	4.2	60.1
	1,009,700		14%	7%	44%	36%	66%	17%	7%	0%	6%	3%	5.0	4.2	4.0	59.8
	934,100		15%	7%	44%	34%	66%	18%	6%	0%	7%	3%	4.7	3.8	3.6	58.9
	855,600		16%	7%	44%	33%	63%	17%	10%	0%	7%	3%	4.3	3.7	3.5	55.3

REGIONAL MUNICIPALITY OF NIAGARA



Area = 189,630 Hectares

REGIONAL MUNICIPALITY OF NIAGARA

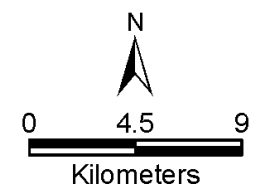
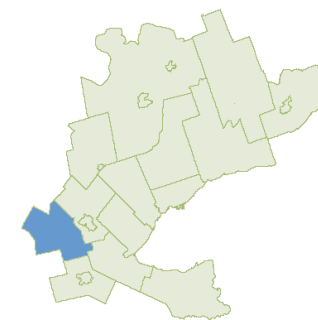
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	183,900	73%	7%	20%	73%	37%	15%	13%	7%	7%	38%	37%	12%	5%	2.4	1.3	1.8	1.7	5.1
2011 TTS	175,100	78%	6%	16%	21%	41%	17%	13%	7%	9%	38%	40%	10%	3%	2.5	1.2	1.8	1.6	5.6
2006 TTS	169,400	81%	5%	14%	23%	40%	16%	14%	7%	8%	40%	40%	9%	3%	2.5	1.2	1.8	1.6	6.1
1996 TTS	156,600	77%	4%	19%	22%	37%	17%	16%	9%	10%	41%	39%	8%	2%	2.6	1.2	1.7	1.5	5.7
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

POPULATION CHARACTERISTICS																	
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass
		0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home			
2016 TTS	436,900	11%	5%	12%	23%	29%	20%	45.2	2.4	0.70	212,200	42%	7%	3%	19%	76%	5%
2011 TTS	431,500	11%	6%	12%	24%	28%	19%	44.2	2.5	0.70	208,300	37%	7%	5%	19%	74%	3%
2006 TTS	418,800	11%	7%	11%	24%	27%	19%	43.9	2.8	0.73	201,700	40%	6%	4%	22%	74%	2%
1996 TTS	401,700	15%	6%	13%	31%	20%	15%	36.5	2.6	0.74	196,800	40%	6%	3%	25%	71%	1%
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2016 TTS	436,900	11%	5%	12%	23%	29%	20%	45.2	2.4	0.70	224,800	29%	14%	4%	19%	74%	6%
2011 TTS	431,500	11%	6%	12%	24%	28%	19%	44.2	2.5	0.70	223,200	26%	14%	3%	18%	71%	4%
2006 TTS	418,800	11%	7%	11%	24%	27%	19%	43.9	2.8	0.73	217,100	27%	13%	3%	21%	69%	3%
1996 TTS	401,700	15%	6%	13%	31%	20%	15%	36.5	2.6	0.74	204,900	24%	14%	2%	23%	65%	2%
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE BY RESIDENTS OF REGIONAL MUNICIPALITY OF NIAGARA																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	189,400	20.1%	48%	19%	24%	8%	74%	11%	2%	0%	5%	8%	7.2	3.2	4.1	55.1
	187,900	19.3%	44%	20%	25%	11%	71%	13%	2%	0%	6%	8%	5.5	3.8	4.9	53.4
	201,700	19.6%	44%	22%	23%	12%	70%	13%	2%	0%	6%	9%	5.2	2.8	4.0	53.5
	167,500	18.6%	50%	25%	17%	7%	68%	13%	2%	0%	8%	9%	5.4	2.9	4.0	53.3
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	940,200		28%	9%	46%	17%	76%	15%	2%	0%	4%	4%	5.4	4.5	3.6	54.9
	973,200		25%	9%	48%	18%	73%	19%	2%	0%	3%	3%	4.3	3.9	3.9	53.5
	1,028,000		24%	10%	47%	19%	73%	18%	2%	0%	4%	4%	4.0	3.4	3.3	59.6
	899,600		26%	11%	46%	17%	72%	18%	2%	0%	4%	3%	4.1	3.5	3.6	52.7
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

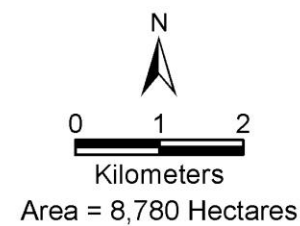
TRIPS MADE TO REGIONAL MUNICIPALITY OF NIAGARA BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	176,200	19.4%	50%	21%	7%	22%	73%	12%	2%	0%	5%	8%	6.0	3.1	3.5	*
	176,400	18.7%	46%	22%	7%	25%	71%	13%	2%	*	6%	8%	5.0	3.5	4.9	*
	188,700	18.9%	45%	24%	7%	24%	69%	13%	2%	*	7%	9%	4.8	2.7	3.9	*
	157,500	18.1%	50%	28%	6%	17%	67%	13%	2%	*	9%	9%	4.9	2.8	3.9	*
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	908,200		17%	5%	43%	35%	75%	15%	2%	0%	4%	4%	5.1	4.4	3.5	54.4
	942,500		13%	5%	42%	40%	72%	19%	2%	0%	4%	4%	4.2	3.8	4.0	53.6
	998,100		13%	5%	42%	40%	72%	18%	2%	0%	4%	4%	3.9	3.4	3.3	57.9
	869,500		14%	6%	43%	37%	72%	18%	2%	0%	4%	4%	4.0	3.4	3.6	52.7
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

REGIONAL MUNICIPALITY OF WATERLOO



Area = 138,400 Hectares

CITY OF GUELPH



CITY OF GUELPH

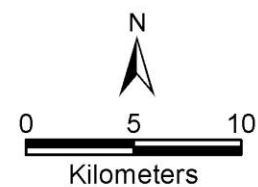
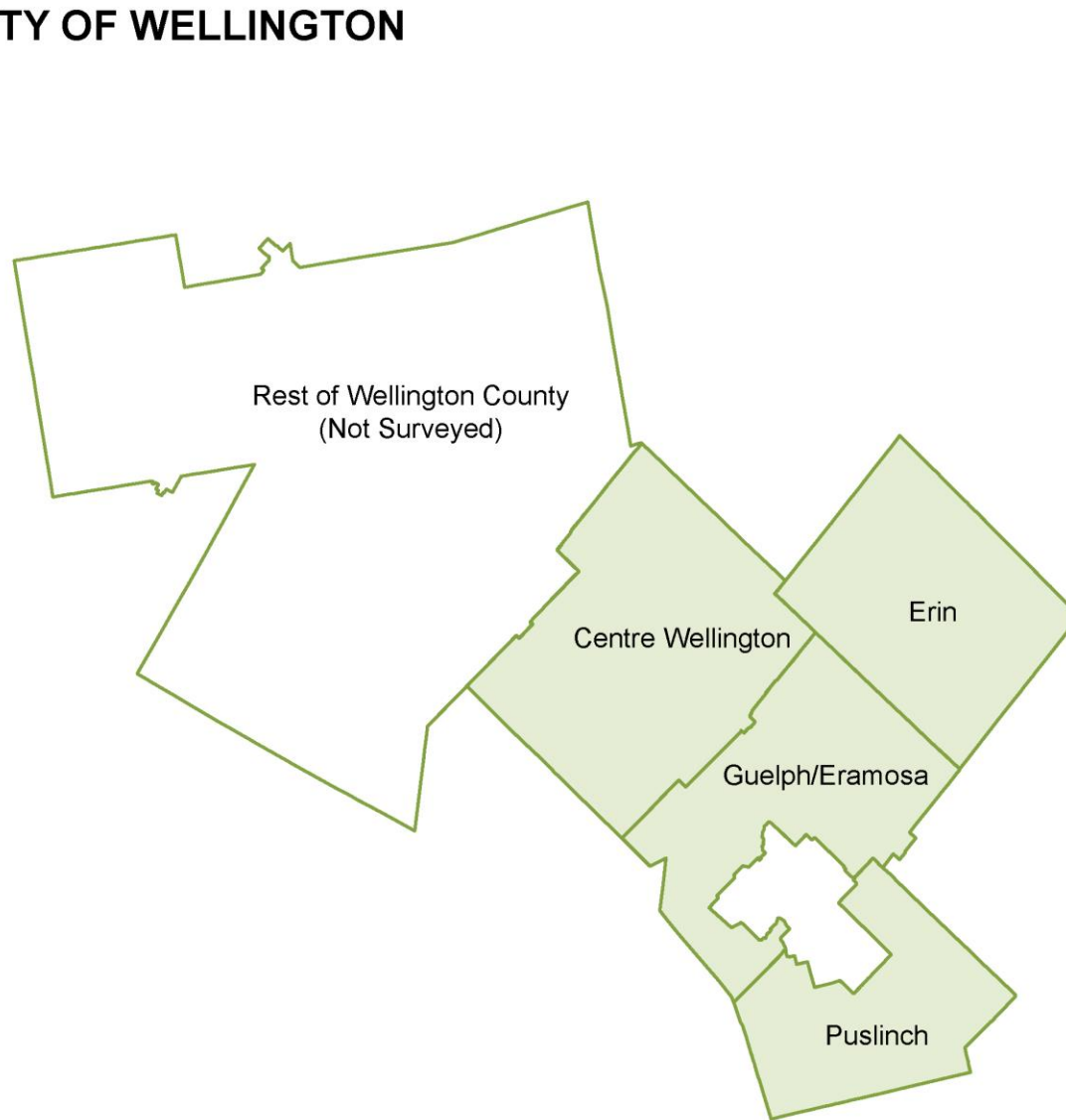
HOUSEHOLD CHARACTERISTICS																			
Households	Dwelling Type			Household Size					Number of Available Vehicles				Household Averages						
	House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day	
2016 TTS	52,200	55%	14%	30%	27%	33%	16%	8%	10%	41%	38%	8%	3%	2.5	1.4	1.8	1.5	5.6	
2011 TTS	46,900	70%	11%	19%	20%		19%	17%	8%	7%	42%	42%	7%	2.6	1.4	1.8	1.6	5.8	
2006 TTS	42,900	69%	10%	21%	22%	36%	17%	17%	8%	10%	45%	38%	7%	2.6	1.4	1.8	1.5	6.2	
1996 TTS	37,000	63%	7%	30%	23%	35%	18%	17%	8%	13%	46%	36%	5%	2.6	1.3	1.7	1.4	5.9	
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	

POPULATION CHARACTERISTICS																	
Population	Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass	
	0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home				
																	Male
2016 TTS	129,400	13%	6%	14%	29%	25%	13%	38.0	2.6	0.74	63,100	46%	7%	4%	24%	72%	10%
2011 TTS	121,700	14%	5%	12%	32%		13%	37.4	2.6	0.75	59,800	45%	7%	4%	21%	72%	5%
2006 TTS	109,500	13%	7%	15%	28%	23%	14%	37.8	2.8	0.77	51,700	45%	6%	3%	26%	71%	7%
1996 TTS	94,500	15%	7%	16%	35%	15%	12%	32.8	2.7	0.78	45,900	45%	5%	1%	28%	68%	5%
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE BY RESIDENTS OF CITY OF GUELPH BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	65,200	22.5%	50%	18%	22%	10%	68%	10%	5%	0%	12%	5%	5.0	3.1	3.7	68.0
	59,900	21.7%	48%	17%	23%		70%	12%	4%	0%	8%	6%	4.3	3.1	3.6	67.2
	57,400	21.6%	47%	23%	20%	11%	65%	13%	6%	*	11%	5%	4.0	2.8	2.9	*
	44,500	20.4%	52%	26%	15%	8%	63%	14%	6%	0%	13%	4%	4.1	2.6	2.8	52.9
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	289,500		31%	11%	43%	15%	69%	13%	5%	0%	9%	3%	4.2	3.9	3.2	68.0
	276,300		30%	9%	43%		72%	16%	4%	0%	5%	3%	3.7	3.2	3.4	67.8
	265,500		28%	13%	41%	18%	68%	16%	6%	0%	7%	3%	3.3	3.0	2.7	68.3
	218,400		30%	14%	41%	15%	66%	19%	5%	0%	8%	2%	3.4	2.9	2.7	52.9
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE TO CITY OF GUELPH																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	71,700	23.3%	54%	22%	6%	19%	69%	10%	5%	0%	11%	5%	5.9	3.1	4.2	*
	67,500	22.8%	53%	19%	6%		71%	11%	3%	*	7%	7%	5.1	3.4	4.0	*
	63,900	22.5%	50%	24%	6%	20%	66%	12%	5%	*	10%	6%	4.7	3.0	2.8	*
	47,700	20.8%	54%	27%	4%	14%	65%	13%	5%	*	12%	5%	4.6	2.7	2.8	*
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	307,700		21%	7%	40%	32%	70%	13%	6%	0%	8%	3%	4.3	3.9	3.3	68.1
	296,000		19%	6%	38%		73%	16%	3%	0%	5%	3%	3.9	3.3	3.6	67.9
	284,400		18%	7%	38%	37%	69%	16%	5%	0%	7%	3%	3.6	3.1	2.7	68.4
	228,900		17%	8%	41%	35%	67%	18%	5%	0%	8%	2%	3.5	3.0	2.7	59.3
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

COUNTY OF WELLINGTON



Area = 123,170 Hectares

COUNTY OF WELLINGTON

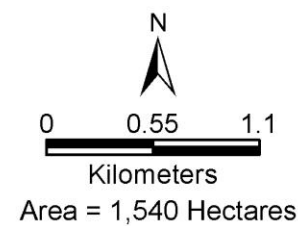
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	22,100	87%	4%	9%	19%	38%	16%	17%	10%	2%	26%	43%	17%	12%	2.7	1.6	2.1	2.2	5.9
2011 TTS	20,800	91%	3%	6%	13%	41%	18%	18%	10%	3%	25%	50%	16%	6%	2.7	1.6	2.1	2.0	6.2
2006 TTS	19,800	91%	1%	8%	16%	41%	18%	15%	10%	4%	28%	50%	13%	5%	2.7	1.6	2.0	1.9	6.1
1996 TTS	15,700	90%	1%	8%	16%	33%	15%	24%	12%	4%	31%	49%	13%	3%	2.9	1.5	2.0	1.8	6.1
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

POPULATION CHARACTERISTICS																		
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass	
		0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home				
2016 TTS	59,300	11%	7%	12%	21%	32%	18%	45.3	2.5	0.71	Male	29,700	46%	6%	6%	19%	77%	3%
												28,000	42%	7%	8%	19%	77%	1%
												26,400	42%	5%	9%	22%	75%	0%
												22,600	45%	4%	5%	25%	70%	1%
												n/a	n/a	n/a	n/a	n/a	n/a	n/a
												29,600	31%	13%	6%	19%	77%	3%
2011 TTS	56,800	13%	7%	13%	22%	30%	16%	43.8	2.6	0.71	Female	28,900	30%	12%	6%	22%	75%	1%
												26,600	30%	14%	5%	21%	73%	1%
												22,800	29%	11%	3%	25%	67%	0%
												n/a	n/a	n/a	n/a	n/a	n/a	n/a
												29,600	31%	13%	6%	19%	77%	3%
												28,900	30%	12%	6%	22%	75%	1%
2006 TTS	53,000	12%	8%	11%	23%	30%	16%	43.7	2.6	0.70	Male	29,700	46%	6%	6%	19%	77%	3%
												28,000	42%	7%	8%	19%	77%	1%
												26,400	42%	5%	9%	22%	75%	0%
												22,600	45%	4%	5%	25%	70%	1%
												n/a	n/a	n/a	n/a	n/a	n/a	n/a
												29,600	31%	13%	6%	19%	77%	3%
1996 TTS	45,400	17%	9%	11%	32%	21%	10%	35.1	2.6	0.73	Female	28,900	30%	12%	6%	22%	75%	1%
												26,600	29%	14%	5%	21%	73%	1%
												22,800	29%	11%	3%	25%	67%	0%
												n/a	n/a	n/a	n/a	n/a	n/a	n/a
												29,600	31%	13%	6%	19%	77%	3%
												28,900	30%	12%	6%	22%	75%	1%
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Male	29,700	46%	6%	6%	19%	77%	3%
												28,000	42%	7%	8%	19%	77%	1%
												26,400	42%	5%	9%	22%	75%	0%
												22,600	45%	4%	5%	25%	70%	1%
												n/a	n/a	n/a	n/a	n/a	n/a	n/a
												29,600	31%	13%	6%	19%	77%	3%
2016 TTS	59,300	11%	7%	12%	21%	32%	18%	45.3	2.5	0.71	Female	28,900	30%	12%	6%	22%	75%	1%
												26,600	29%	14%	5%	21%	73%	1%
												22,800	29%	11%	3%	25%	67%	0%
												n/a	n/a	n/a	n/a	n/a	n/a	n/a
												29,600	31%	13%	6%	19%	77%	3%
												28,900	30%	12%	6%	22%	75%	1%

TRIPS MADE BY RESIDENTS OF COUNTY OF WELLINGTON																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	27,600	21.1%	52%	20%	20%	8%	76%	8%	0%	1%	3%	12%	18.4	9.1	76.8	59.5
	27,400	21.4%	49%	19%	22%	10%	74%	10%	0%	0%	4%	11%	14.1	5.7	15.6	56.1
	24,800	20.6%	51%	23%	16%	9%	71%	9%	1%	0%	7%	13%	16.7	10.8	23.5	57.1
	20,900	21.6%	51%	27%	14%	8%	67%	11%	*	0%	8%	13%	15.5	8.9	*	59.2
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	131,100		31%	9%	43%	17%	77%	15%	0%	0%	2%	5%	11.9	9.8	32.9	60.4
	127,900		29%	9%	43%	19%	76%	16%	0%	0%	2%	5%	10.7	8.4	20.2	56.6
	120,500		29%	10%	41%	20%	75%	15%	0%	0%	3%	5%	10.7	9.1	17.2	56.6
	96,600		30%	12%	41%	17%	72%	17%	1%	0%	4%	6%	10.8	10.1	66.4	59.2
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE TO COUNTY OF WELLINGTON BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	16,900	16.9%	53%	22%	8%	17%	72%	9%	0%	0%	5%	14%	9.5	5.2	*	*
	16,400	17.1%	47%	20%	10%	23%	72%	10%	*	*	6%	12%	7.5	2.4	*	*
	15,400	17.2%	46%	26%	8%	20%	65%	10%	*	*	11%	14%	9.9	7.0	*	*
	12,200	17.1%	47%	31%	5%	17%	61%	11%	*	*	14%	15%	8.8	6.0	*	*
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	99,900		16%	4%	54%	26%	75%	15%	0%	0%	3%	6%	10.2	8.3	32.9	61.0
	95,900		13%	4%	54%	30%	75%	16%	0%	0%	3%	6%	9.2	8.5	17.4	59.6
	89,500		12%	5%	54%	30%	74%	15%	0%	0%	5%	6%	9.6	9.1	22.0	57.2
	71,500		12%	6%	56%	26%	70%	16%	0%	0%	6%	7%	9.7	8.9	66.4	57.3
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TOWN OF ORANGEVILLE



TOWN OF ORANGEVILLE

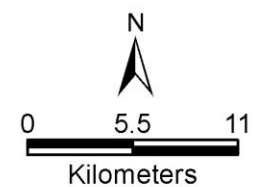
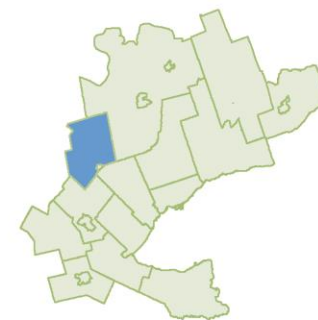
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	10,600	72%	11%	17%	22%	31%	18%	19%	10%	7%	30%	43%	13%	6%	2.7	1.6	1.9	1.8	5.5
2011 TTS	10,400	77%	8%	16%	18%	34%	21%	18%	8%	7%	34%	46%	10%	3%	2.7	1.5	1.9	1.7	6.0
2006 TTS	9,400	79%	6%	15%	17%	34%	19%	20%	10%	5%	35%	48%	10%	3%	2.8	1.6	1.9	1.7	6.3
1996 TTS	7,800	80%	5%	15%	13%	28%	24%	20%	15%	7%	35%	48%	8%	2%	3.0	1.6	1.9	1.6	6.4
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

POPULATION CHARACTERISTICS																	
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass
		0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home			
2016 TTS	28,300	14%	7%	13%	27%	26%	13%	38.2	2.4	0.72	13,700	50%	6%	3%	21%	71%	4%
2011 TTS	28,000	16%	6%	11%	30%	24%	11%	36.2	2.7	0.75	13,800	48%	7%	3%	18%	71%	2%
2006 TTS	26,000	17%	8%	10%	31%	23%	12%	37.5	2.7	0.77	12,900	50%	6%	3%	23%	69%	1%
1996 TTS	23,500	21%	9%	13%	35%	16%	7%	31.1	2.7	0.76	11,500	46%	6%	3%	26%	64%	1%
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE BY RESIDENTS OF ORANGEVILLE																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	13,400	23.1%	52%	20%	18%	10%	70%	9%	2%	1%	13%	5%	17.8	11.4	39.5	63.9
	13,900	22.1%	48%	17%	20%	14%	73%	11%	1%	1%	9%	5%	9.8	2.0	3.0	63.2
	12,900	21.9%	47%	21%	19%	13%	70%	12%	*	1%	12%	5%	4.0	1.8	*	64.2
	11,100	22.2%	50%	28%	15%	7%	63%	13%	*	1%	14%	8%	5.7	2.4	*	65.9
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	58,000		34%	10%	41%	15%	73%	14%	2%	0%	8%	3%	4.0	3.0	34.5	63.9
	62,800		31%	9%	41%	19%	76%	14%	1%	0%	6%	3%	3.0	2.1	2.4	63.1
	59,000		33%	9%	40%	18%	74%	16%	0%	0%	7%	2%	2.5	2.2	1.7	64.2
	50,100		34%	13%	39%	15%	70%	17%	0%	0%	8%	4%	2.6	2.4	24.6	65.9
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE TO ORANGEVILLE BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	11,600	18.7%	45%	25%	6%	23%	66%	10%	1%	0%	16%	8%	3.9	2.3	1.7	*
	11,900	17.6%	43%	26%	6%	26%	67%	12%	1%	*	11%	9%	3.0	2.0	2.3	*
	12,600	19.4%	40%	26%	7%	26%	66%	12%	*	*	13%	8%	2.8	1.8	*	*
	8,300	18.5%	39%	34%	9%	18%	56%	15%	*	*	18%	11%	2.4	2.4	*	*
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	62,000		14%	5%	40%	40%	74%	15%	1%	0%	7%	3%	3.2	2.8	3.0	63.9
	67,600		11%	5%	37%	47%	75%	16%	1%	0%	6%	3%	2.7	2.3	2.3	63.1
	64,900		13%	5%	37%	45%	73%	18%	0%	0%	6%	3%	2.4	2.3	1.8	64.2
	44,900		12%	7%	48%	33%	69%	18%	0%	*	9%	4%	2.4	2.4	4.6	*
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

COUNTY OF DUFFERIN



Area = 14,860 Hectares

COUNTY OF DUFFERIN

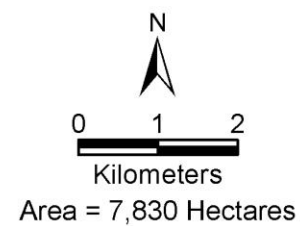
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	11,400	94%	2%	4%	15%	36%	17%	18%	13%	3%	20%	44%	21%	12%	2.8	1.7	2.2	2.2	5.3
2011 TTS	10,600	93%	2%	6%	14%	43%	18%	16%	10%	2%	22%	52%	17%	7%	2.7	1.7	2.0	2.1	5.6
2006 TTS	9,400	94%	1%	5%	13%	40%	16%	20%	11%	2%	26%	50%	16%	7%	2.8	1.7	2.0	2.0	5.8
1996 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

POPULATION CHARACTERISTICS																	
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass
		0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home			
2016 TTS	32,200	13%	6%	13%	22%	32%	15%	43.0	2.1	0.69	16,400	44%	5%	8%	21%	76%	2%
2011 TTS	28,800	13%	7%	10%	24%	31%	16%	44.5	2.4	0.66	15,100	41%	5%	12%	19%	76%	1%
2006 TTS	26,500	15%	9%	9%	26%	27%	14%	41.3	2.4	0.67	13,300	42%	5%	10%	23%	71%	0%
1996 TTS	0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE BY RESIDENTS OF DUFFERIN																	
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel					Median Trip Length (km)					
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train	
6:00-8:59 AM	13,000	21.6%	54%	22%	17%	7%	73%	8%	0%	0%	6%	13%	22.4	16.6	*	*	
	11,900	19.8%	53%	21%	17%	9%	73%	7%	*	*	3%	17%	17.6	20.1	*	*	
	12,200	22.4%	44%	25%	18%	13%	67%	10%	0%	*	4%	18%	18.7	11.5	7.2	*	
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	60,200		35%	10%	37%	17%	79%	12%	0%	0%	3%	6%	18.9	17.4	3.8	77.7	
	60,100		29%	9%	42%	20%	77%	14%	0%	*	2%	7%	11.8	11.5	2.3	*	
	54,400		30%	12%	38%	21%	74%	16%	0%	*	3%	8%	14.9	12.3	9.4	*	
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE TO DUFFERIN BY RESIDENTS OF THE TTS AREA																	
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel					Median Trip Length (km)					
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train	
6:00-8:59 AM	6,900	17.1%	49%	28%	9%	15%	64%	7%	0%	0%	10%	19%	14.2	22.8	*	*	
	6,400	15.4%	47%	23%	8%	22%	70%	8%	*	*	4%	18%	8.8	6.6	*	*	
	6,500	17.6%	42%	29%	10%	19%	62%	11%	*	*	7%	20%	8.9	5.2	*	*	
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	40,300		14%	5%	62%	19%	76%	12%	0%	0%	4%	7%	17.1	18.8	*	77.7	
	41,300		11%	4%	58%	27%	75%	15%	0%	*	2%	8%	10.6	11.1	1.7	*	
	36,900		11%	5%	59%	25%	72%	15%	*	*	4%	9%	13.1	11.1	*	*	
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

CITY OF BARRIE



CITY OF BARRIE

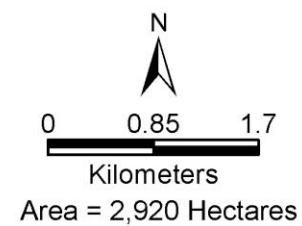
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	52,500	64%	11%	25%	23%	32%	18%	17%	10%	7%	36%	41%	12%	4%	2.6	1.5	1.9	1.7	5.5
2011 TTS	50,600	74%	10%	16%	18%	36%	19%	19%	8%	7%	38%	44%	9%	2%	2.7	1.4	1.8	1.6	5.7
2006 TTS	46,500	79%	7%	13%	19%	34%	19%	19%	9%	8%	37%	46%	7%	2%	2.7	1.5	1.8	1.6	6.2
1996 TTS	28,600	70%	7%	24%	20%	36%	17%	16%	10%	10%	42%	40%	6%	2%	2.6	1.3	1.7	1.5	5.9
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

POPULATION CHARACTERISTICS																	
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass
		0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home			
2016 TTS	138,000	13%	7%	13%	28%	26%	13%	38.7	2.4	0.72	67,000	46%	8%	4%	22%	71%	6%
2011 TTS	135,800	14%	7%	12%	31%	24%	12%	37.1	2.5	0.71	65,800	44%	6%	4%	23%	69%	4%
2006 TTS	124,700	15%	8%	11%	31%	22%	13%	37.9	2.7	0.74	59,900	46%	5%	4%	23%	69%	3%
1996 TTS	75,300	19%	7%	13%	35%	16%	10%	32.8	2.7	0.78	36,700	45%	6%	2%	23%	68%	2%
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE BY RESIDENTS OF BARRIE																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	65,400	22.6%	49%	19%	23%	9%	71%	11%	2%	1%	9%	7%	5.3	3.3	4.9	80.7
	62,200	21.4%	43%	21%	24%	11%	70%	12%	3%	0%	9%	7%	4.7	2.6	3.7	80.8
	60,700	21.2%	43%	21%	23%	13%	68%	14%	3%	*	9%	6%	4.6	3.2	3.9	*
	31,700	18.9%	53%	23%	17%	7%	68%	14%	3%	*	11%	5%	16.4	11.7	39.1	*
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	289,800		32%	9%	43%	16%	73%	14%	2%	1%	6%	3%	4.5	3.9	4.6	82.1
	290,500		29%	10%	44%	17%	72%	17%	3%	0%	5%	3%	4.1	3.5	3.8	80.8
	286,900		29%	10%	42%	19%	72%	17%	3%	*	5%	3%	3.9	3.4	3.4	*
	168,100		30%	11%	42%	17%	71%	18%	3%	*	6%	2%	12.6	10.3	47.3	*
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE TO BARRIE BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	72,200	22.6%	51%	23%	6%	20%	71%	11%	2%	0%	8%	9%	5.9	4.0	4.9	*
	69,000	21.7%	43%	26%	7%	24%	69%	12%	2%	*	8%	9%	5.2	3.2	3.5	*
	63,600	20.3%	43%	27%	6%	24%	65%	14%	2%	*	8%	10%	4.5	3.2	3.4	*
	33,700	18.8%	48%	31%	5%	16%	64%	14%	2%	*	10%	11%	7.2	2.3	47.8	*
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	319,400		19%	6%	38%	37%	74%	15%	2%	0%	6%	4%	4.7	4.1	4.6	82.1
	317,400		14%	7%	38%	41%	71%	17%	2%	0%	5%	4%	4.3	3.8	3.7	80.8
	313,000		13%	6%	37%	44%	71%	18%	2%	*	5%	4%	3.9	3.6	3.3	*
	179,800		14%	7%	39%	40%	70%	19%	2%	*	5%	3%	10.6	8.9	53.5	*
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

CITY OF ORILLIA



CITY OF ORILLIA

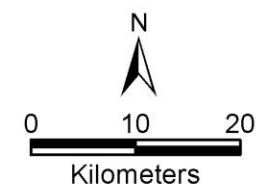
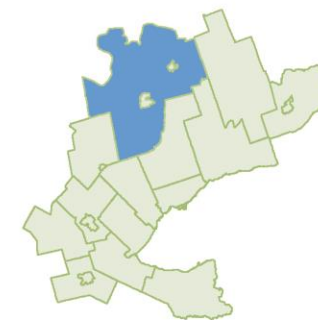
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	13,500	59%	8%	32%	33%	36%	15%	10%	6%	9%	46%	32%	10%	3%	2.2	1.1	1.6	1.5	4.8
2011 TTS	12,800	70%	7%	23%	26%	39%	17%	11%	8%	13%	46%	33%	7%	1%	2.4	1.2	1.6	1.4	5.5
2006 TTS	12,200	74%	4%	22%	25%	41%	15%	13%	6%	12%	45%	36%	6%	2%	2.3	1.2	1.6	1.4	5.4
1996 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

POPULATION CHARACTERISTICS																	
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass
		0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home			
2016 TTS	30,000	11%	5%	11%	24%	28%	22%	46.1	2.4	0.70	14,100	37%	11%	3%	16%	73%	3%
2011 TTS	30,700	11%	5%	12%	23%	28%	21%	44.9	2.6	0.70	14,300	35%	9%	3%	16%	68%	3%
2006 TTS	28,700	12%	7%	10%	23%	27%	21%	44.9	2.6	0.67	13,300	42%	8%	4%	17%	73%	1%
1996 TTS	0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE BY RESIDENTS OF ORILLIA																	
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel					Median Trip Length (km)					
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train	
6:00-8:59 AM	12,600	19.6%	51%	14%	26%	8%	69%	14%	2%	0%	12%	3%	3.8	2.0	4.7	*	
	12,500	17.7%	42%	19%	28%	11%	66%	17%	1%	*	11%	5%	2.7	2.2	2.5	*	
	12,600	19.1%	43%	18%	25%	14%	68%	14%	2%	*	10%	6%	2.5	2.5	1.3	*	
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	64,300		28%	7%	49%	16%	71%	18%	3%	0%	6%	2%	2.7	2.7	3.3	*	
	70,800		25%	7%	49%	19%	67%	23%	2%	*	6%	2%	2.4	2.4	2.7	*	
	66,100		26%	7%	48%	19%	70%	20%	2%	*	6%	3%	2.4	2.5	2.2	*	
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE TO ORILLIA BY RESIDENTS OF THE TTS AREA																	
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel					Median Trip Length (km)					
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train	
6:00-8:59 AM	18,100	22.6%	52%	22%	5%	21%	72%	12%	1%	0%	8%	7%	5.5	3.5	3.9	*	
	18,000	20.3%	44%	24%	6%	27%	67%	14%	1%	*	7%	10%	4.2	3.1	2.2	*	
	18,300	21.7%	45%	25%	5%	24%	66%	13%	1%	*	7%	12%	3.5	3.2	1.2	*	
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	80,100		20%	7%	34%	40%	73%	17%	2%	0%	5%	3%	3.2	3.0	2.9	*	
	88,800		13%	6%	32%	49%	69%	22%	1%	*	4%	3%	2.7	2.5	2.6	*	
	84,100		15%	6%	32%	47%	70%	20%	1%	*	5%	4%	2.8	2.7	2.1	*	
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

COUNTY OF SIMCOE



Area = 55,440 Hectares

COUNTY OF SIMCOE

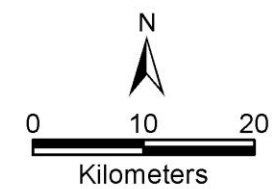
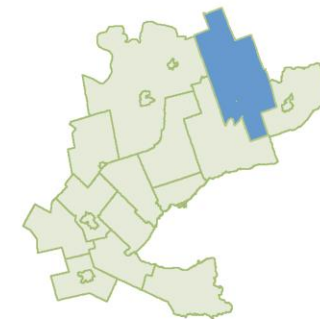
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	117,600	86%	5%	9%	21%	38%	16%	16%	9%	3%	30%	44%	15%	8%	2.6	1.4	2.0	2.0	5.1
2011 TTS	107,500	91%	3%	6%	17%	42%	18%	17%	7%	4%	31%	46%	13%	6%	2.6	1.4	1.9	1.9	5.6
2006 TTS	97,900	91%	2%	7%	17%	40%	16%	18%	9%	4%	34%	46%	11%	4%	2.7	1.5	1.9	1.8	5.9
1996 TTS	40,800	91%	2%	6%	14%	32%	18%	22%	14%	4%	31%	50%	11%	3%	2.9	1.5	1.9	1.8	5.7
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

POPULATION CHARACTERISTICS																	
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass
		0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home			
2016 TTS	301,500	12%	6%	11%	23%	30%	18%	44.7	2.3	0.71	149,600	43%	6%	5%	18%	76%	2%
2011 TTS	278,000	11%	6%	12%	23%	30%	17%	44.3	2.4	0.70	139,400	40%	6%	7%	19%	75%	1%
2006 TTS	260,500	13%	8%	9%	26%	26%	17%	42.5	2.5	0.71	128,600	41%	5%	7%	21%	73%	1%
1996 TTS	120,100	20%	8%	10%	36%	16%	10%	33.7	2.4	0.74	60,000	46%	4%	3%	24%	68%	1%
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE BY RESIDENTS OF SIMCOE																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	124,700	20.7%	52%	18%	21%	9%	75%	10%	0%	0%	5%	9%	13.1	6.4	27.7	53.4
	118,900	20.0%	48%	20%	21%	11%	71%	12%	1%	0%	5%	11%	10.9	5.9	24.2	54.9
	118,400	20.7%	46%	23%	20%	11%	68%	12%	1%	0%	6%	13%	11.3	5.0	52.1	73.8
	51,000	22.1%	55%	27%	13%	6%	67%	11%	1%	0%	8%	14%	3.1	2.7	4.2	0.0
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	601,500		32%	8%	43%	17%	77%	15%	1%	0%	3%	4%	10.6	8.2	7.0	54.0
	595,600		28%	9%	44%	19%	73%	18%	1%	0%	3%	5%	8.4	6.8	12.2	55.1
	572,800		28%	10%	42%	20%	72%	18%	1%	0%	4%	6%	8.4	6.8	12.9	71.8
	231,200		34%	12%	39%	15%	72%	17%	1%	0%	4%	6%	2.7	2.8	4.6	0.0
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE TO SIMCOE BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	86,500	17.5%	51%	20%	8%	21%	72%	11%	0%	0%	7%	10%	8.1	3.5	32.0	*
	84,400	17.0%	47%	22%	8%	23%	69%	13%	1%	*	6%	11%	6.8	3.9	23.8	*
	86,000	18.3%	45%	26%	7%	22%	65%	13%	0%	*	8%	13%	7.7	3.2	28.2	*
	28,100	16.9%	44%	34%	7%	15%	59%	11%	*	*	13%	17%	3.9	2.9	*	*
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	495,600		16%	4%	50%	30%	76%	15%	0%	0%	4%	5%	9.2	6.9	6.5	54.8
	497,200		13%	4%	48%	35%	73%	18%	1%	0%	3%	5%	7.4	6.1	24.2	55.0
	469,700		13%	5%	49%	33%	71%	18%	1%	0%	4%	6%	7.6	6.2	44.0	73.5
	166,400		12%	6%	59%	24%	70%	17%	0%	0%	5%	7%	3.0	3.0	4.6	0.0
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

CITY OF KAWARTHA LAKES



Area = 335,240 Hectares

CITY OF KAWARTHA LAKES

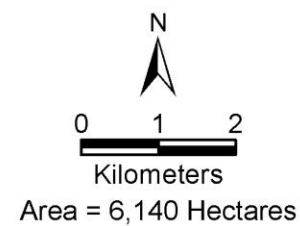
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	31,100	86%	2%	12%	25%	43%	14%	12%	6%	5%	33%	39%	15%	7%	2.4	1.2	1.8	1.9	4.6
2011 TTS	29,900	93%	1%	6%	19%	47%	16%	13%	6%	4%	29%	46%	15%	6%	2.4	1.3	1.9	2.0	5.1
2006 TTS	29,500	88%	1%	10%	21%	46%	14%	13%	6%	5%	37%	42%	11%	3%	2.4	1.2	1.8	1.7	5.2
1996 TTS	26,300	86%	2%	12%	20%	39%	14%	16%	10%	7%	39%	43%	8%	3%	2.6	1.1	1.8	1.6	5.4
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

POPULATION CHARACTERISTICS																		
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population		Employment Type			Student	Licensed	Transit Pass
		0-10	11-15	16-25	26-45	46-64	65+	Median			Male	Female	Full Time	Part Time	At Home			
2016 TTS	73,400	9%	5%	10%	20%	32%	24%	50.5	2.2	0.67	36,200	36%	6%	7%	15%	78%	3%	
2011 TTS	73,300	9%	6%	12%	19%	32%	22%	48.6	2.3	0.66	36,400	35%	7%	10%	17%	80%	1%	
2006 TTS	70,700	10%	7%	9%	22%	29%	23%	47.6	2.4	0.68	34,900	34%	6%	8%	19%	77%	1%	
1996 TTS	68,200	16%	8%	11%	29%	21%	16%	37.9	2.4	0.70	34,200	37%	5%	5%	24%	71%	0%	
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	

TRIPS MADE BY RESIDENTS OF KAWARTHA LAKES																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	28,700	20.1%	49%	16%	23%	12%	74%	12%	1%	0%	3%	9%	15.6	7.4	6.6	*
	30,500	19.9%	46%	22%	21%	11%	73%	10%	*	*	3%	14%	14.8	10.6	*	*
	28,100	18.5%	44%	22%	22%	11%	69%	12%	*	0%	4%	15%	13.0	9.3	*	82.3
	24,400	17.3%	47%	31%	16%	6%	62%	11%	0%	*	9%	18%	11.8	9.4	1.1	*
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	143,000	28%	7%	46%	19%	76%	16%	1%	0%	3%	4%	12.9	9.1	2.3	104.5	
	152,700	27%	9%	44%	20%	75%	17%	0%	0%	2%	6%	11.7	10.3	*	85.1	
	152,100	25%	9%	45%	21%	73%	19%	0%	0%	2%	6%	9.5	8.4	*	86.7	
	140,900	26%	12%	45%	18%	69%	19%	0%	*	5%	7%	9.0	9.0	1.1	*	
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE TO KAWARTHA LAKES BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	21,200	17.4%	48%	23%	7%	23%	70%	14%	1%	0%	4%	11%	8.9	4.7	*	*
	22,900	17.6%	44%	26%	7%	22%	70%	10%	*	*	3%	17%	11.8	7.3	*	*
	22,200	16.8%	41%	26%	8%	26%	65%	12%	*	*	5%	18%	9.2	5.4	*	*
	19,200	15.9%	42%	37%	5%	16%	56%	11%	0%	*	12%	21%	9.3	5.8	0.0	*
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	122,200	13%	4%	48%	35%	75%	17%	0%	0%	3%	5%	9.9	7.8	2.0	*	
	130,200	11%	5%	47%	37%	74%	17%	0%	*	2%	7%	10.5	10.2	2.7	*	
	132,100	10%	5%	45%	41%	72%	19%	0%	0%	3%	6%	8.2	7.1	1.9	94.2	
	120,800	10%	7%	48%	36%	68%	19%	0%	*	5%	7%	9.5	10.4	1.1	*	
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

CITY OF PETERBOROUGH



CITY OF PETERBOROUGH

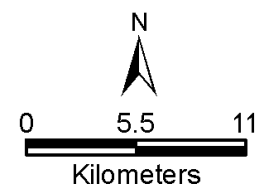
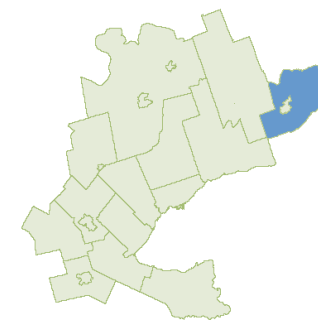
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	34,700	60%	8%	32%	31%	37%	14%	12%	6%	13%	46%	31%	6%	2%	2.3	1.2	1.6	1.4	4.8
2011 TTS	33,000	74%	5%	21%	23%	41%	16%	14%	6%	11%	44%	36%	7%	2%	2.4	1.2	1.7	1.5	5.5
2006 TTS	31,200	73%	4%	24%	27%	40%	16%	12%	6%	12%	48%	33%	6%	1%	2.3	1.1	1.7	1.4	5.7
1996 TTS	30,400	69%	4%	27%	28%	36%	14%	14%	7%	17%	48%	30%	4%	1%	2.4	1.0	1.6	1.2	5.5
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

POPULATION CHARACTERISTICS																		
Population		Age						Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass		
		0-10	11-15	16-25	26-45	46-64	65+				Median	Full Time	Part Time				At Home	
2016 TTS	78,300	11%	5%	14%	24%	26%	21%	42.9	2.4	0.69	Male	37,400	37%	10%	5%	19%	71%	10%
												37,100	33%	10%	4%	22%	72%	5%
												32,900	37%	8%	4%	23%	74%	6%
												34,300	36%	8%	2%	27%	70%	6%
												n/a	n/a	n/a	n/a	n/a	n/a	n/a
2011 TTS	78,800	10%	6%	15%	24%	26%	20%	43.0	2.5	0.70	Female	40,900	29%	13%	3%	18%	71%	11%
												41,600	27%	13%	3%	21%	70%	8%
												39,800	26%	13%	2%	24%	71%	9%
												38,200	21%	15%	2%	27%	65%	9%
												n/a	n/a	n/a	n/a	n/a	n/a	n/a
2006 TTS	72,700	10%	6%	16%	21%	25%	22%	43.9	2.7	0.71	n/a	n/a	n/a	n/a	n/a	n/a		
1996 TTS	72,500	15%	6%	16%	29%	17%	17%	35.3	2.7	0.72	n/a	n/a	n/a	n/a	n/a	n/a		
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		

TRIPS MADE BY RESIDENTS OF CITY OF PETERBOROUGH																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	31,800	19.0%	48%	18%	26%	8%	68%	9%	4%	0%	14%	5%	3.4	2.7	4.0	*
	34,700	19.3%	42%	21%	25%	12%	65%	15%	4%	*	9%	6%	3.4	2.6	4.7	*
	33,400	18.8%	42%	23%	22%	12%	65%	14%	3%	*	12%	6%	3.0	2.1	4.4	*
	29,000	17.2%	47%	27%	18%	8%	63%	12%	4%	*	13%	7%	3.1	2.7	4.2	*
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	166,900		27%	8%	48%	17%	69%	14%	4%	0%	10%	2%	3.2	3.1	3.0	112.2
	180,100		24%	10%	47%	19%	68%	20%	4%	0%	6%	3%	3.0	2.9	4.7	109.8
	177,400		23%	12%	45%	20%	67%	19%	4%	0%	7%	3%	2.7	2.4	4.4	110.7
	168,300		24%	12%	45%	18%	66%	20%	5%	*	7%	3%	2.7	2.8	4.2	*
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE TO CITY OF PETERBOROUGH BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	40,500	20.8%	54%	20%	5%	21%	70%	9%	3%	0%	11%	7%	4.4	4.4	4.0	*
	42,400	20.2%	49%	23%	5%	23%	67%	13%	3%	*	7%	9%	4.5	3.2	4.4	*
	41,000	19.8%	49%	23%	5%	22%	68%	12%	3%	*	9%	9%	4.0	2.5	4.5	*
	36,500	18.6%	52%	29%	4%	15%	63%	12%	4%	*	10%	11%	3.9	2.9	3.8	*
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	195,200		20%	6%	36%	38%	71%	14%	4%	0%	9%	3%	3.4	3.4	3.1	113.4
	210,000		15%	6%	35%	45%	69%	20%	3%	0%	5%	3%	3.3	3.1	3.7	109.8
	206,900		14%	6%	34%	45%	69%	18%	3%	*	6%	3%	2.9	2.5	4.4	*
	196,600		14%	7%	35%	44%	67%	20%	4%	*	6%	3%	3.0	3.0	4.6	*
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

COUNTY OF PETERBOROUGH



Area = 173,950 Hectares

COUNTY OF PETERBOROUGH

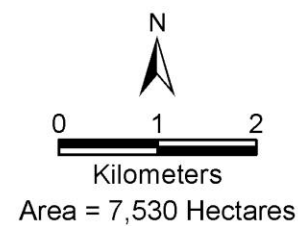
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	17,400	96%	1%	3%	19%	43%	15%	14%	8%	1%	24%	52%	14%	9%	2.5	1.4	2.0	2.1	5.2
2011 TTS	16,600	98%	1%	2%	13%	48%	16%	14%	9%	2%	24%	51%	16%	7%	2.6	1.4	2.1	2.1	5.7
2006 TTS	17,100	95%	0%	4%	16%	47%	16%	13%	8%	2%	30%	50%	14%	4%	2.5	1.4	2.0	1.9	5.8
1996 TTS	14,900	96%	*	4%	14%	38%	15%	22%	11%	2%	31%	53%	11%	4%	2.8	1.4	2.0	1.9	6.2
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

POPULATION CHARACTERISTICS																		
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass	
		0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home				
2016 TTS	44,100	12%	5%	10%	20%	33%	21%	48.8	2.4	0.71	Male	21,900	38%	6%	6%	16%	80%	3%
												21,500	36%	7%	9%	20%	79%	1%
												21,500	39%	7%	8%	20%	80%	1%
												20,900	39%	7%	5%	27%	74%	1%
												n/a	n/a	n/a	n/a	n/a	n/a	n/a
2011 TTS	43,000	9%	7%	13%	18%	35%	19%	47.8	2.4	0.68	Female	22,200	29%	13%	5%	17%	78%	3%
												21,500	29%	13%	4%	20%	78%	2%
												21,700	29%	12%	5%	20%	77%	1%
												20,700	26%	15%	2%	24%	69%	0%
												n/a	n/a	n/a	n/a	n/a	n/a	n/a
2006 TTS	43,100	10%	7%	10%	21%	32%	20%	47.4	2.6	0.71	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
1996 TTS	41,600	15%	8%	11%	28%	26%	12%	38.9	2.6	0.72	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	

TRIPS MADE BY RESIDENTS OF COUNTY OF PETERBOROUGH																
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	19,000	20.8%	54%	15%	21%	10%	79%	9%	0%	0%	1%	10%	12.2	13.4	*	*
	18,600	19.7%	48%	23%	20%	9%	72%	11%	*	*	1%	16%	12.8	10.2	*	*
	20,000	20.2%	49%	20%	19%	12%	73%	9%	*	*	4%	14%	11.0	8.5	*	*
	17,400	19.0%	54%	28%	12%	7%	65%	12%	*	*	3%	19%	11.8	9.4	*	*
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	91,500		28%	7%	44%	21%	81%	13%	0%	0%	1%	5%	10.9	11.7	6.6	*
	94,200		27%	10%	42%	22%	74%	18%	0%	*	1%	6%	9.6	8.8	*	*
	99,100		26%	9%	41%	24%	76%	16%	0%	0%	2%	6%	8.4	8.0	*	116.9
	91,800		27%	11%	42%	20%	71%	19%	0%	*	2%	7%	9.0	9.0	*	*
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE TO COUNTY OF PETERBOROUGH BY RESIDENTS OF THE TTS AREA																
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)			
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train
6:00-8:59 AM	9,600	15.6%	58%	13%	8%	22%	79%	10%	0%	0%	2%	8%	9.9	4.1	*	*
	11,100	16.9%	42%	26%	8%	24%	67%	15%	*	*	4%	14%	9.9	4.5	*	*
	11,300	16.8%	40%	28%	8%	24%	65%	13%	*	*	9%	13%	7.9	4.8	*	*
	7,700	13.1%	42%	35%	9%	15%	58%	11%	*	*	9%	22%	9.3	5.8	*	*
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	61,300		13%	2%	59%	25%	81%	13%	0%	0%	1%	5%	11.0	10.8	*	*
	65,600		10%	4%	56%	30%	73%	19%	0%	*	1%	7%	10.0	9.5	40.6	*
	67,100		9%	5%	56%	30%	74%	17%	0%	*	3%	7%	9.5	9.4	19.0	*
	59,200		8%	5%	62%	25%	70%	19%	*	*	3%	8%	9.5	10.4	*	*
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

CITY OF BRANTFORD



CITY OF BRANTFORD

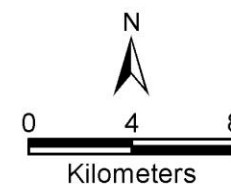
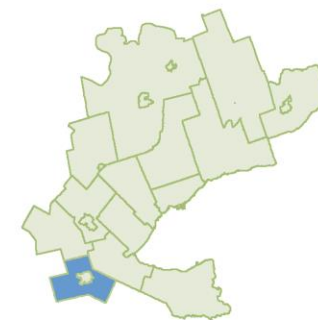
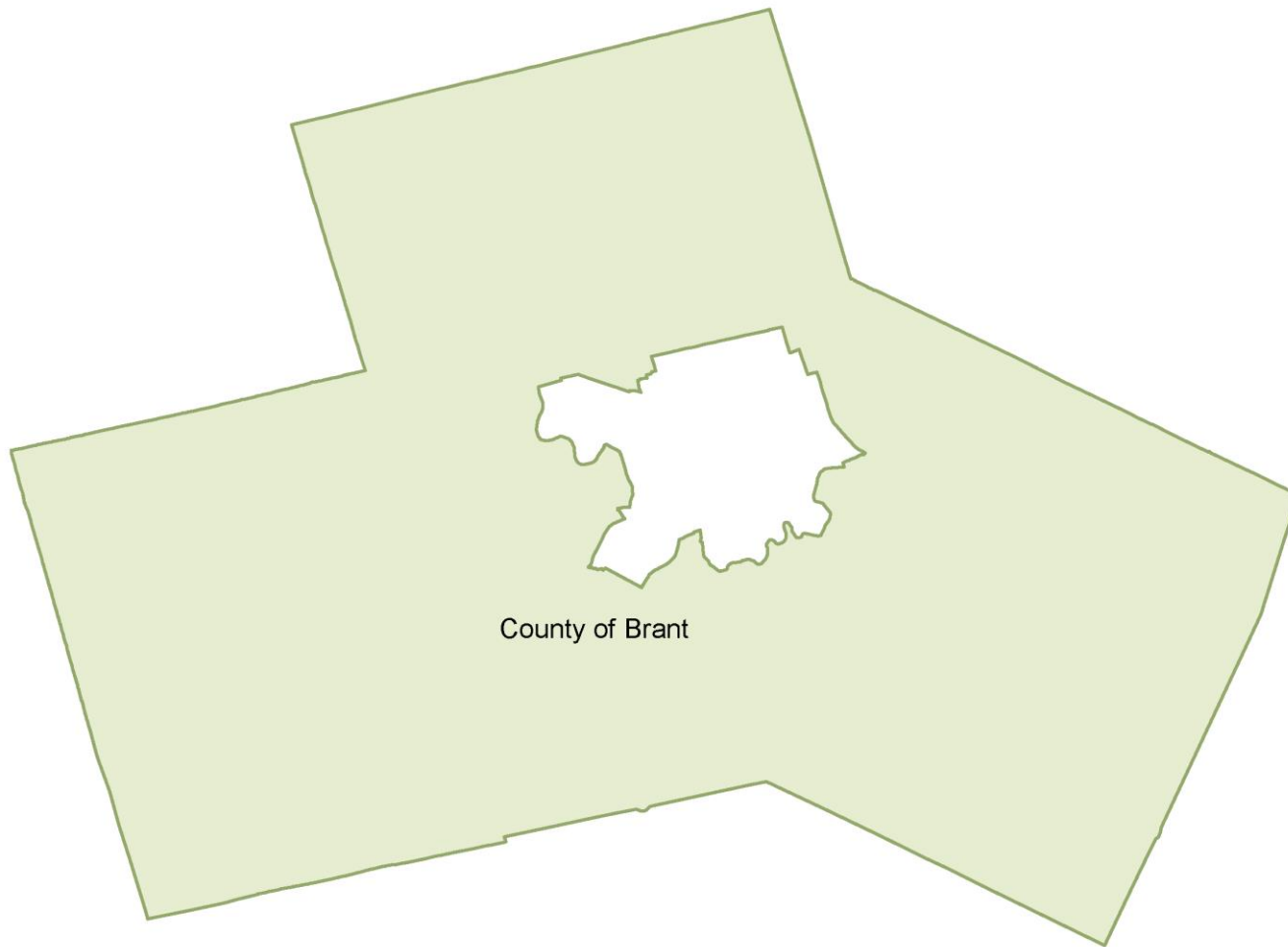
HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	39,200	66%	10%	24%	28%	34%	16%	13%	8%	9%	39%	39%	9%	3%	2.5	1.3	1.7	1.6	5.0
2011 TTS	37,500	74%	8%	18%	24%	36%	18%	15%	7%	12%	38%	40%	7%	2%	2.5	1.2	1.6	1.5	5.4
2006 TTS	35,600	77%	5%	18%	24%	37%	17%	15%	8%	11%	41%	37%	8%	2%	2.5	1.3	1.7	1.5	5.9
1996 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

POPULATION CHARACTERISTICS																	
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass
		0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home			
2016 TTS	96,700	13%	6%	12%	26%	27%	16%	40.6	2.3	0.73	46,900	43%	8%	3%	20%	70%	6%
2011 TTS	93,600	13%	6%	10%	28%	27%	15%	39.3	2.5	0.74	44,900	42%	6%	3%	18%	68%	3%
2006 TTS	88,800	13%	7%	11%	25%	26%	17%	41.5	2.7	0.78	42,000	44%	7%	3%	20%	71%	3%
1996 TTS	0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE BY RESIDENTS OF BRANTFORD																	
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)				
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train	
6:00-8:59 AM	42,200	21.7%	54%	19%	20%	8%	72%	10%	3%	0%	9%	6%	5.0	3.1	3.3	*	
	41,600	20.4%	45%	19%	24%	12%	72%	12%	2%	*	9%	5%	4.0	2.4	3.4	*	
	42,200	20.0%	48%	20%	20%	13%	69%	13%	3%	*	10%	6%	3.9	2.9	3.1	*	
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	194,500		32%	10%	43%	15%	75%	14%	2%	0%	6%	3%	4.0	3.7	3.5	90.6	
	203,500		28%	8%	45%	19%	72%	18%	2%	0%	6%	3%	3.4	3.1	3.4	89.5	
	210,800		28%	9%	44%	19%	72%	18%	2%	0%	5%	3%	3.2	3.0	3.1	88.9	
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE TO BRANTFORD BY RESIDENTS OF THE TTS AREA																	
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)				
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train	
6:00-8:59 AM	39,100	20.8%	53%	23%	7%	17%	69%	10%	3%	0%	10%	8%	4.2	3.1	3.3	*	
	40,700	19.8%	44%	24%	8%	25%	69%	13%	2%	*	9%	7%	3.9	2.5	3.4	*	
	41,300	19.4%	46%	23%	7%	24%	67%	13%	3%	*	10%	7%	3.8	3.1	3.1	*	
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	188,200		18%	6%	44%	32%	74%	14%	2%	0%	6%	4%	3.8	3.5	3.3	90.6	
	205,800		14%	5%	40%	40%	71%	18%	2%	*	5%	3%	3.4	3.1	3.4	*	
	212,800		14%	5%	40%	41%	72%	18%	2%	*	5%	3%	3.2	3.0	3.4	*	
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

COUNTY OF BRANT



Area = 10,390 Hectares

COUNTY OF BRANT

HOUSEHOLD CHARACTERISTICS																			
Households		Dwelling Type			Household Size					Number of Available Vehicles				Household Averages					
		House	Townhouse	Apartment	1	2	3	4	5+	0	1	2	3	4+	Persons	Workers	Drivers	Vehicles	Trips/Day
2016 TTS	13,500	90%	5%	5%	18%	38%	16%	18%	10%	3%	21%	45%	18%	12%	2.7	1.6	2.1	2.2	5.8
2011 TTS	13,400	92%	3%	5%	13%	43%	17%	20%	7%	3%	23%	54%	14%	6%	2.7	1.6	2.0	2.0	6.1
2006 TTS	12,200	91%	1%	8%	17%	37%	16%	19%	11%	4%	31%	43%	15%	7%	2.8	1.6	2.0	2.0	6.0
1996 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

POPULATION CHARACTERISTICS																	
Population		Age							Daily Trips per Person (age 11+)	Daily Work Trips per Worker	Population	Employment Type			Student	Licensed	Transit Pass
		0-10	11-15	16-25	26-45	46-64	65+	Median				Full Time	Part Time	At Home			
2016 TTS	36,300	12%	6%	11%	22%	30%	17%	44.1	2.5	0.71	18,100	47%	8%	4%	19%	76%	2%
2011 TTS	35,600	12%	7%	12%	24%	29%	17%	42.9	2.6	0.73	17,500	42%	5%	10%	19%	76%	1%
2006 TTS	34,000	14%	9%	9%	25%	26%	17%	41.3	2.5	0.69	17,000	39%	6%	9%	25%	71%	1%
1996 TTS	0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1986 TTS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE BY RESIDENTS OF BRANT																	
Time Period	Trips	% 24hr	Trip Purpose				Mode of Travel						Median Trip Length (km)				
			HB-W	HB-S	HB-D	N-HB	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train	
6:00-8:59 AM	16,900	21.6%	50%	18%	23%	9%	74%	10%	0%	0%	5%	11%	12.2	10.7	18.9	*	
	17,800	22.0%	49%	20%	20%	11%	76%	9%	*	*	3%	11%	11.0	6.3	*	*	
	15,000	20.3%	53%	17%	21%	10%	75%	10%	*	*	5%	9%	11.0	8.2	*	*	
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	78,300		30%	8%	44%	18%	77%	15%	0%	0%	3%	4%	10.6	9.3	18.9	84.6	
	80,900		30%	9%	41%	20%	77%	15%	0%	0%	2%	5%	8.8	8.0	*	95.8	
	74,000		27%	7%	47%	19%	75%	17%	0%	0%	3%	4%	9.1	8.3	*	96.1	
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TRIPS MADE TO BRANT BY RESIDENTS OF THE TTS AREA																	
Time Period	Trips	% 24 hr	Trip Purpose				Mode of Travel						Median Trip Length (km)				
			Work	School	Home	Other	Driver	Pass.	Transit	GO Train	Walk & Cycle	Other	Driver	Pass.	Transit	GO Train	
6:00-8:59 AM	10,700	17.6%	53%	16%	9%	22%	72%	9%	0%	0%	8%	10%	7.9	4.3	*	*	
	11,500	18.5%	50%	20%	7%	22%	74%	11%	*	*	5%	11%	8.1	4.9	*	*	
	9,600	17.2%	57%	16%	8%	20%	76%	8%	*	*	8%	7%	8.1	6.9	*	*	
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
24 Hrs	60,600		17%	3%	53%	27%	76%	15%	0%	0%	4%	4%	9.7	9.3	18.9	86.7	
	62,400		13%	4%	52%	31%	76%	16%	*	*	3%	5%	8.4	7.9	*	*	
	55,800		13%	3%	53%	30%	76%	16%	0%	*	4%	4%	8.4	9.2	37.2	*	
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a