Victoria MPO 2050 Socioeconomic Forecast

presented to

Victoria Metropolitan Planning Organization

presented by

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CAMBRIDGE SYSTEMATICS

Think *Forward*

May 16th, 2023

Agenda

- Data Sources

- 2017 Base Year Socio-Economic and Demographic Data

- Preparing Interim and Forecast Datasets
  - » Local Input
  - » Control Total Revisions

- 2022 Interim Year Socio-Economic and Demographic Data

- 2050 Forecast Year Socio-Economic and Demographic Data

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Data Sources

Data Sources

2010/2020 Decennial Census

- 2017 Zonal Population
- 2017 Zonal Households
- Revised Population Projections for 2022 and 2050

2013-2017 5 Year American Community Survey

- Zonal Median Household Income in 2017 Dollars

2017 Data Axle Employment Dataset

- 2017 Zonal Employment by Type (Basic, Retail, Service and Education)

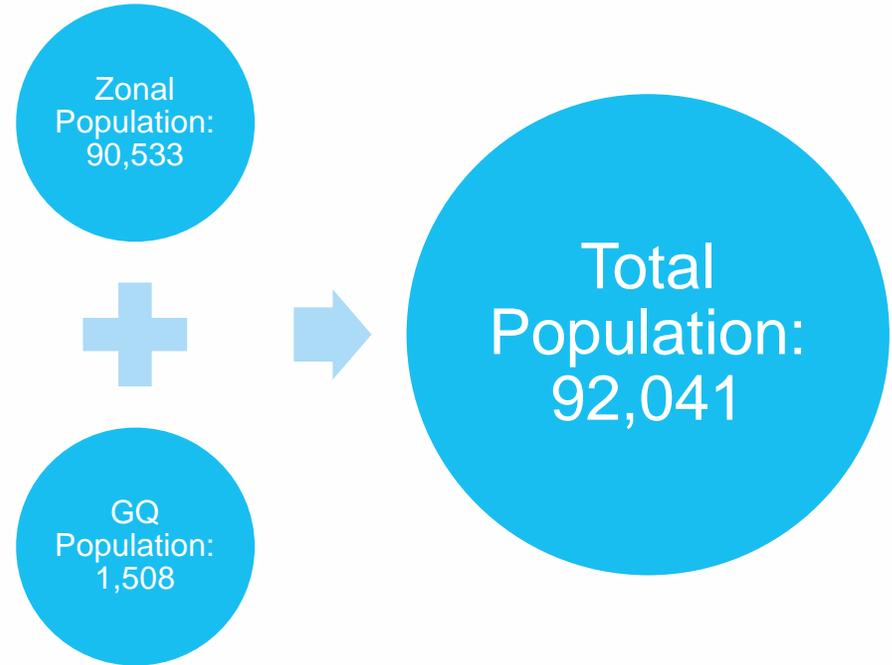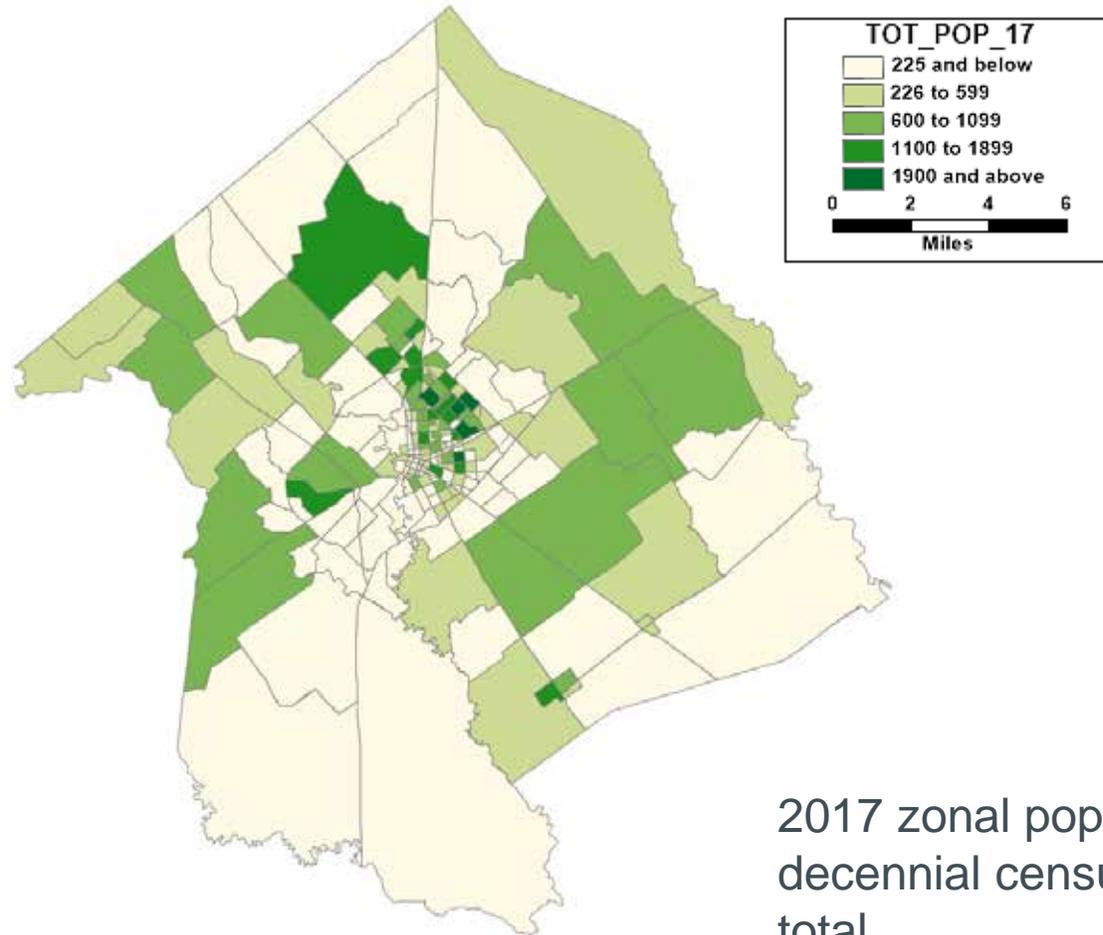## Texas Education Agency Academic Excellence Indicator System

- Zonal Education Employment and Enrollment for Academic Year 2017-2018

IDSER Control Total Memo

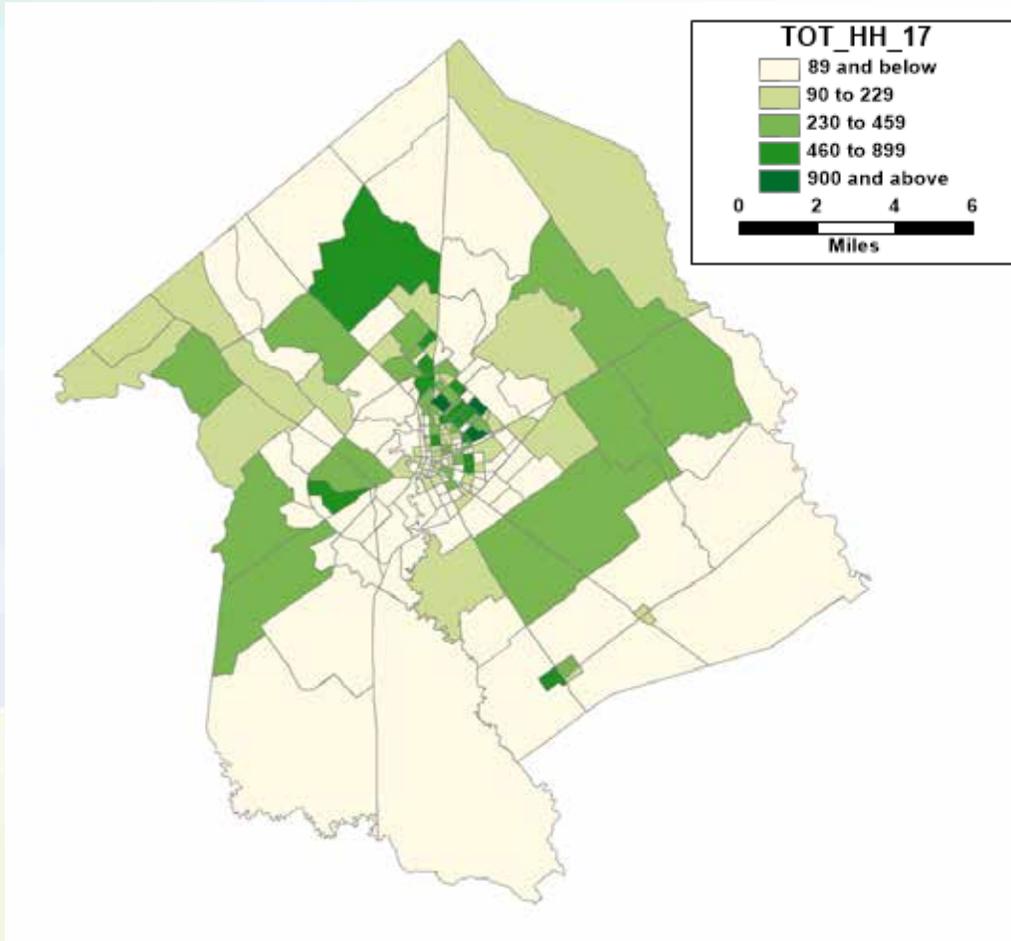- County Totals By Demographic Variable for Years 2017, 2022 and 2050

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2017 Base Year Socio-Economic and Demographic Data

2017 Base Year Demographics: Population

TOT_POP_17
- 225 and below
- 226 to 599
- 600 to 1099
- 1100 to 1899
- 1900 and above

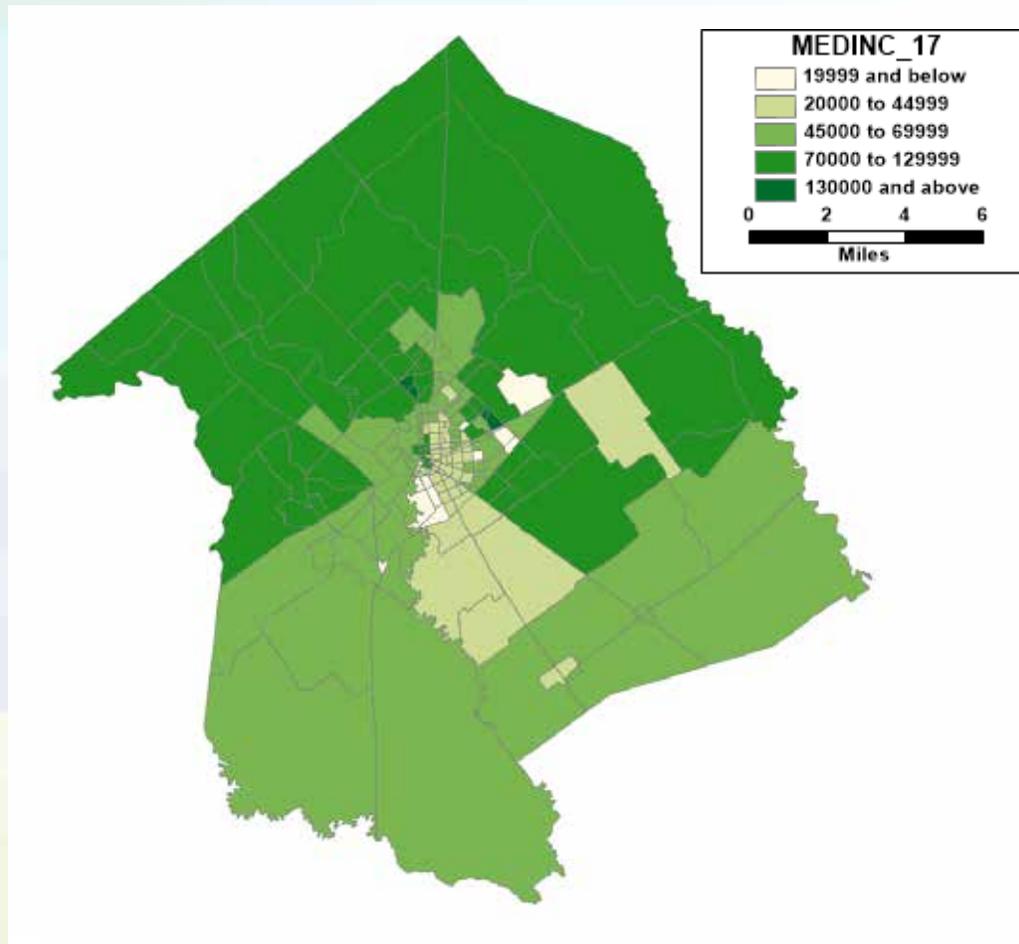Zonal Population: 90,533

GQ Population: 1,508

Total Population: 92,041

2017 zonal population was interpolated using the 2010 and 2020 decennial census block data, constrained to IDSER's county control total.

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2017 Base Year Demographics: Households

TOT_HH_17
- 89 and below
- 90 to 229
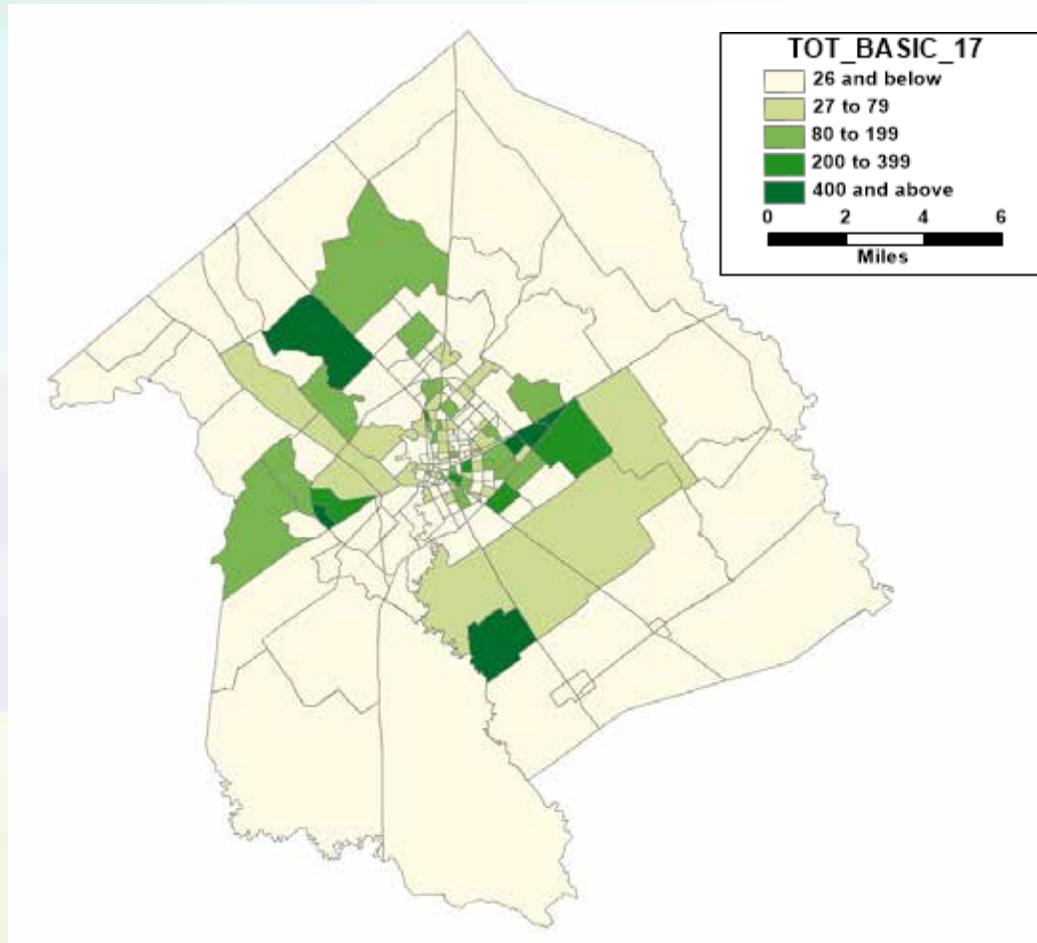- 230 to 459
- 460 to 899
- 900 and above

0 2 4 6
Miles

➤ 2017 zonal households were interpolated using the 2010 and 2020 decennial census block data, constrained to IDSER's county control total.

➤ Number of Households: 33,956.

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2017 Base Year Demographics: Median Income

MEDINC_17
- 19999 and below
- 20000 to 44999
- 45000 to 69999
- 70000 to 129999
- 130000 and above

0   2   4   6
Miles

- 2017 zonal median household income was extracted from the 2013-2017 5 Year ACS Estimates.

- It is assumed that the traffic analysis zones belonging to the same block group have the same median household income.

- Regional median household income: $56,176.

- Regional median household income (weighted by households): $60,991.

CAMBRIDGE SYSTEMATICS

2017 Base Year Demographics: Basic Emp

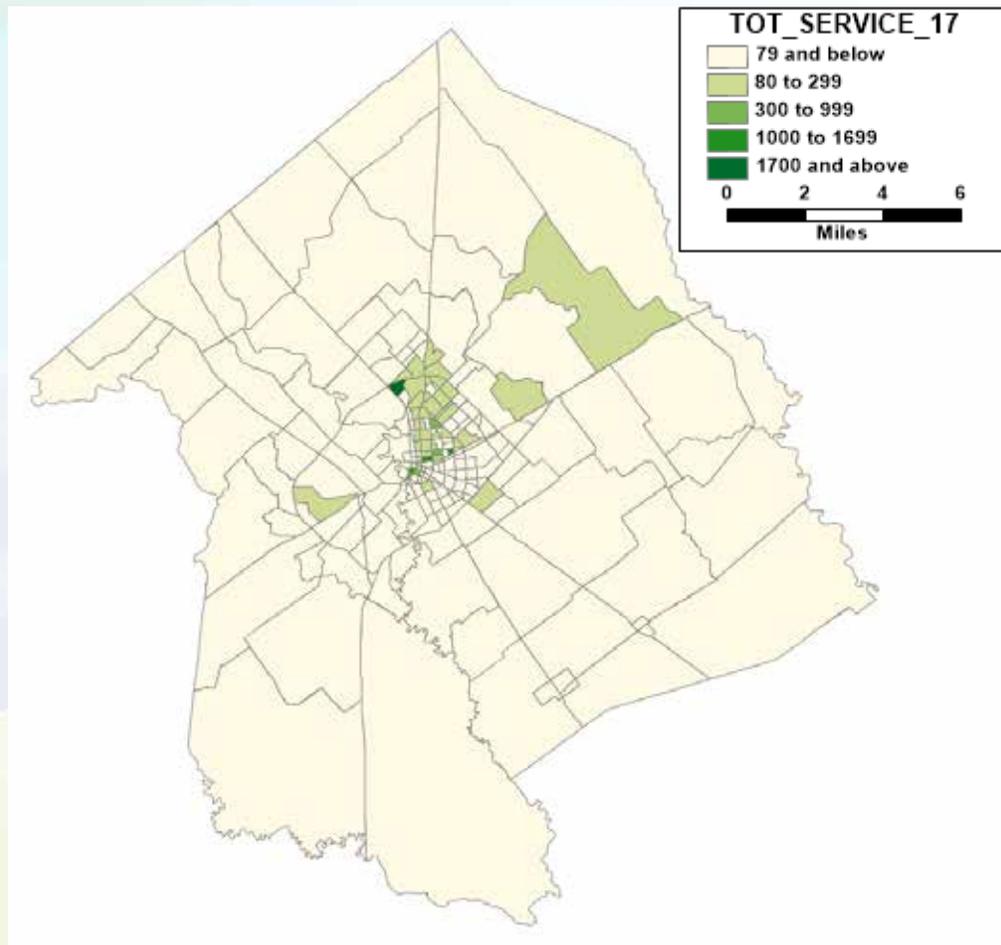TOT_BASIC_17
- 26 and below
- 27 to 79
- 80 to 199
- 200 to 399
- 400 and above

➤ 2017 zonal basic employment was extracted from the 2017 Data Axle employment dataset.

➤ Total basic employment: 10,699.
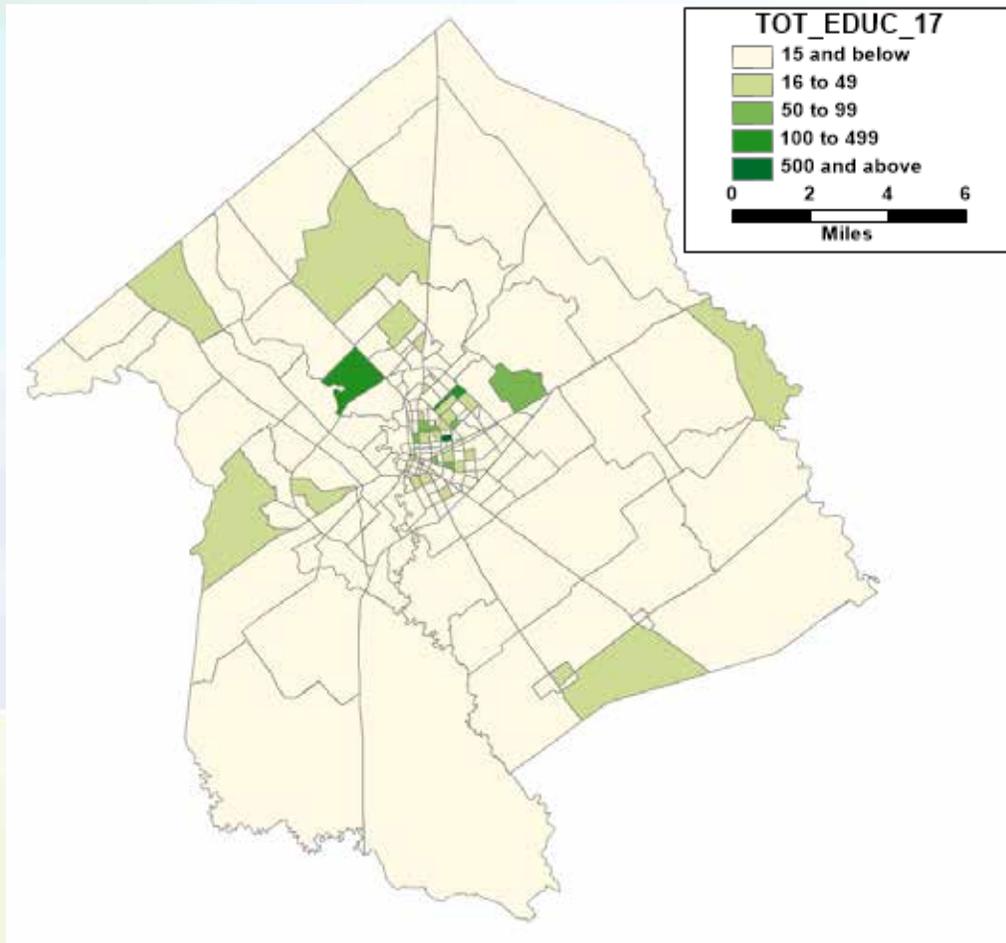
CAMBRIDGE SYSTEMATICS

2017 Base Year Demographics: Retail Emp
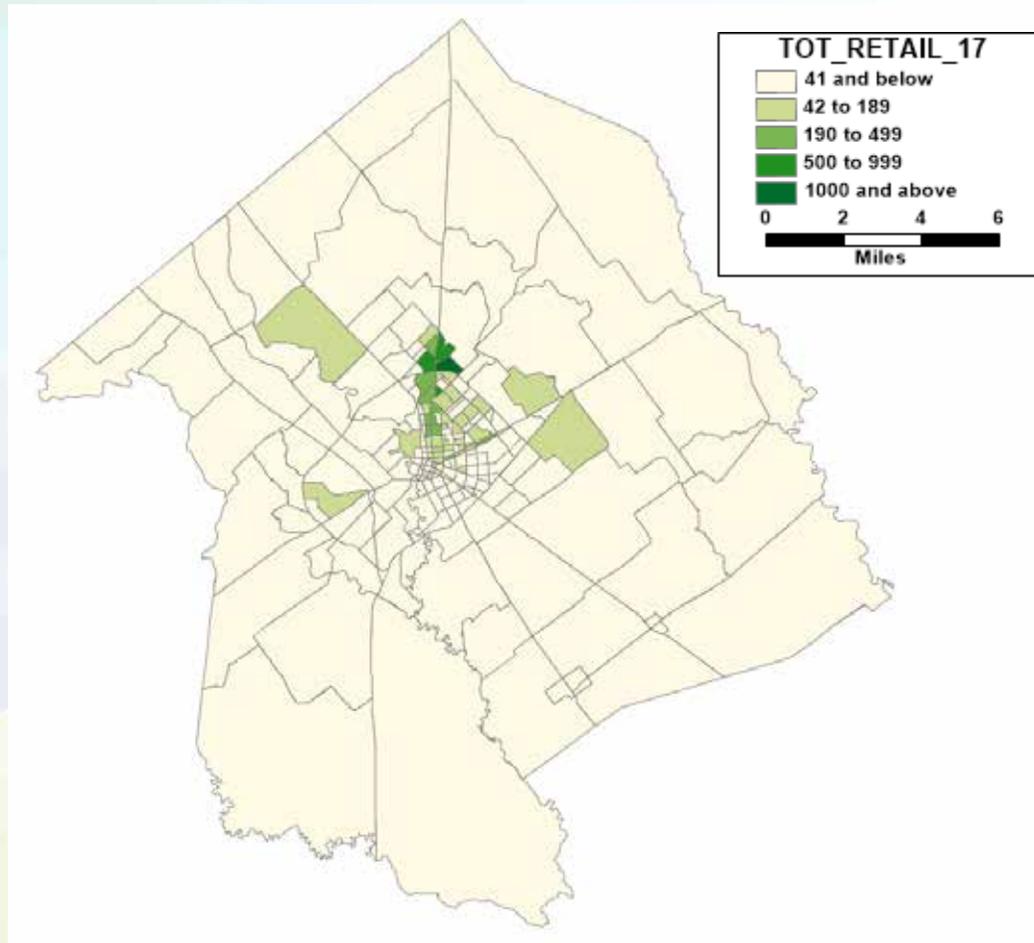
- 2017 zonal retail employment was extracted from the 2017 Data Axle employment dataset.

- Total retail employment: 9,850.

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2017 Base Year Demographics: Service Emp

TOT_SERVICE_17
- 79 and below
- 80 to 299
- 300 to 999
- 1000 to 1699
- 1700 and above

0   2   4   6
Miles

➤ 2017 zonal service employment was extracted from the 2017 Data Axle employment dataset.

➤ Total service employment: 15,665.

CAMBRIDGE SYSTEMATICS

2017 Base Year Demographics: Educ Emp

TOT_EDUC_17
- 15 and below
- 16 to 49
- 50 to 99
- 100 to 499
- 500 and above

0   2   4   6

Miles

➤ 2017 zonal education employment was extracted from the 2017 Data Axle employment dataset for private schools.

➤ Public school education employment was extracted from the Texas Education Agency Academic Excellence Indicator System for year 2017-2018.

➤ Total education employment: 2,293.

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2017 Base Year Demographics: Special Generators
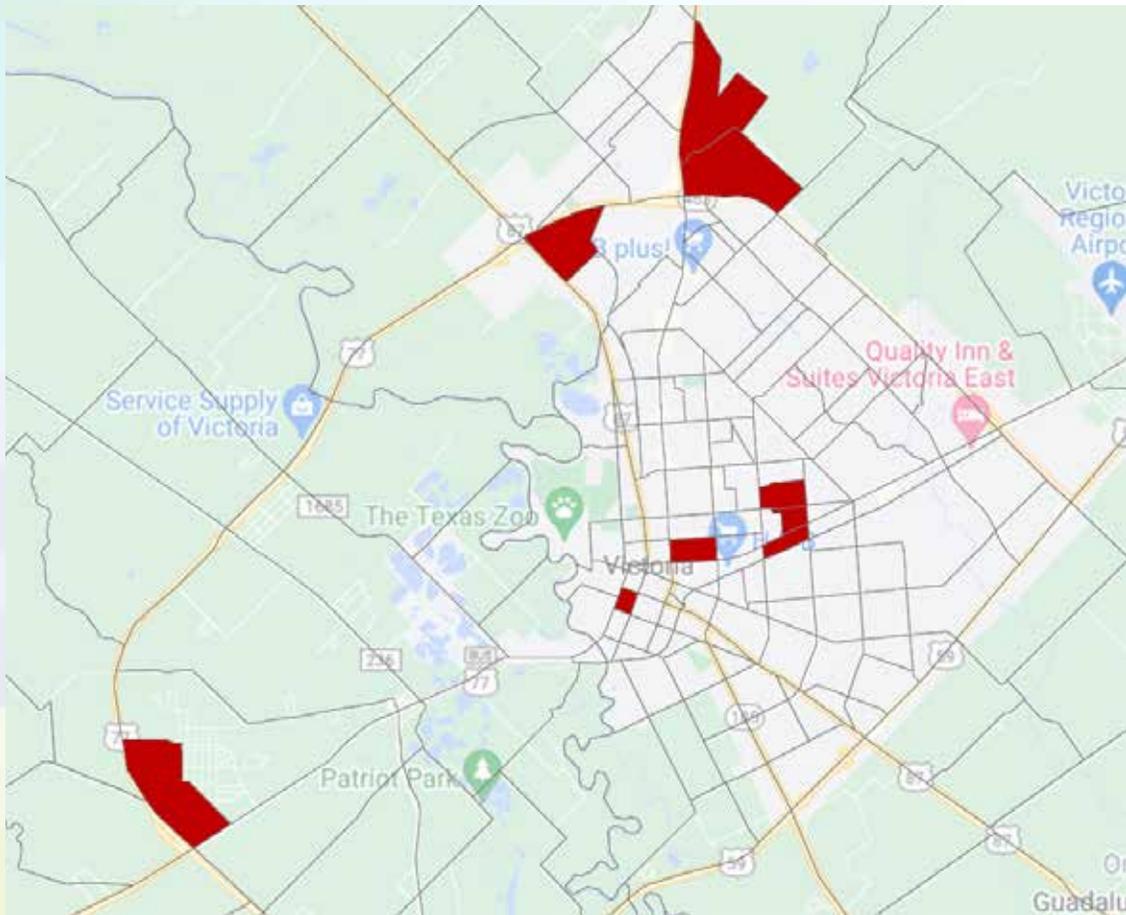
- Nursing Rehab

- Victoria County Jailhouse

- DeTar Hospital North

- UH-Victoria & Victoria College

- Citizens Hospital

- Victoria Mall and Associated Retail

- Sodalis Assisted Living

- DeTar Hospital Navarro

- Victoria Industrial Park

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Preparing Interim and Forecast Datasets

Local Input

- Victoria Metropolitan Planning Organization
  - » Maggie Bergeron: MPO Administrator

- City of Victoria
  - » Julie Fulgham: Director of Development Services
  - » Ken Gill: Public Works Director; City Engineer
  - » Danielle Williams: Economic Development Director

- Victoria Economic Development Corporation
  - » Jonas Titas: President

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Local Input

- Planned residential and commercial projects in Victoria County.

- Historical and expected growth trends in the region.

- Impacts of Hurricane Harvey and Eagle Ford Shale boom bust on population and employment distributions.

- Areas with little/no growth due to drainage/flooding issues.

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Control Total Revisions

Historic and Projected Population, Victoria County, 1970-2050

CAMBRIDGE SYSTEMATICS
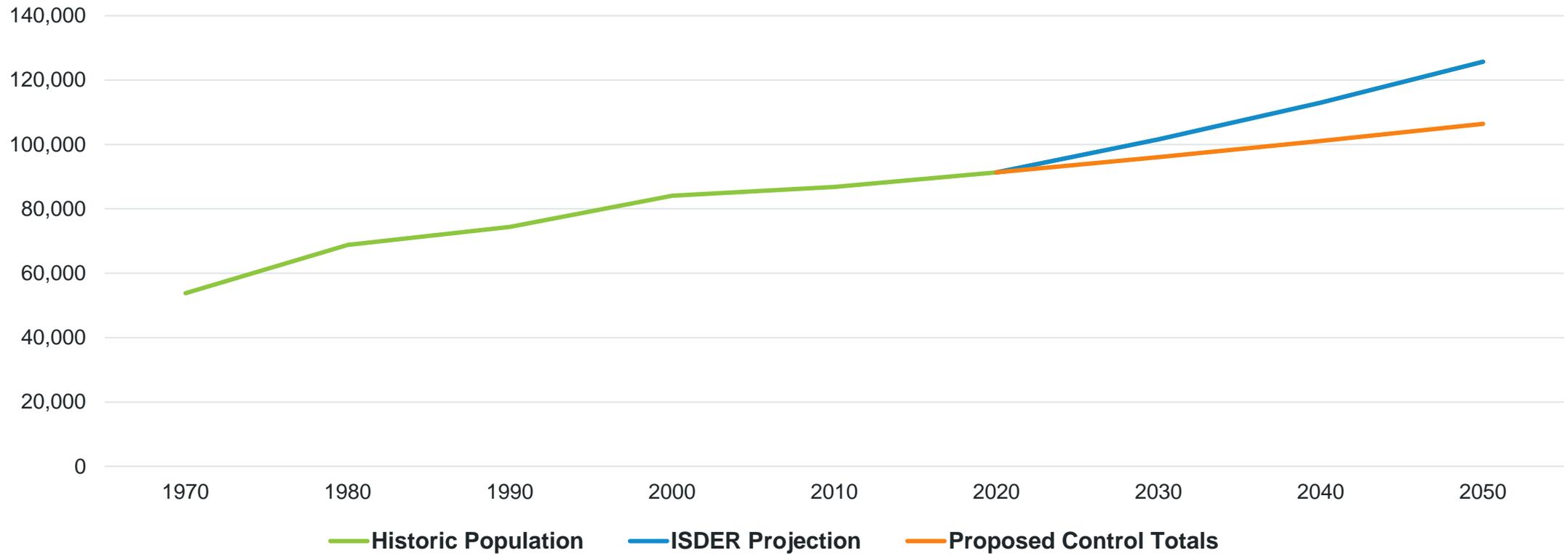
Control Total Revisions

	2017	2022	2050
Total Population	92,028	92,252	106,363
Group Quarters Population	1,508	1,508	1,508
Household Population	90,520	90,744	104,855
Households	33,292	33,916	40,289
Household Size	2.72	2.72	2.64
Median Income (2017 dollars)	$55,740	$53,315	$49,889
Median Income (nominal dollars)	$55,740	$59,347	$103,484
Total Employment	38,445	38,746	47,863
Basic Employment	10,677	10,761	13,880
Retail Employment	9,830	9,907	11,488
Service Employment	15,651	15,774	19,624
Education Employment	2,287	2,305	2,872

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Control Total Revisions

- New population projections based on compound annual growth rate calculated using 2010 and 2020 Victoria County population from the census.

- New household projections based on IDSER's project household sizes and the new population projections.

- New employment projections based on IDSER's employment to population ratio and the new population projections.

- New employment by type projections based on new employment projections and IDSER's breakdown by employment type.
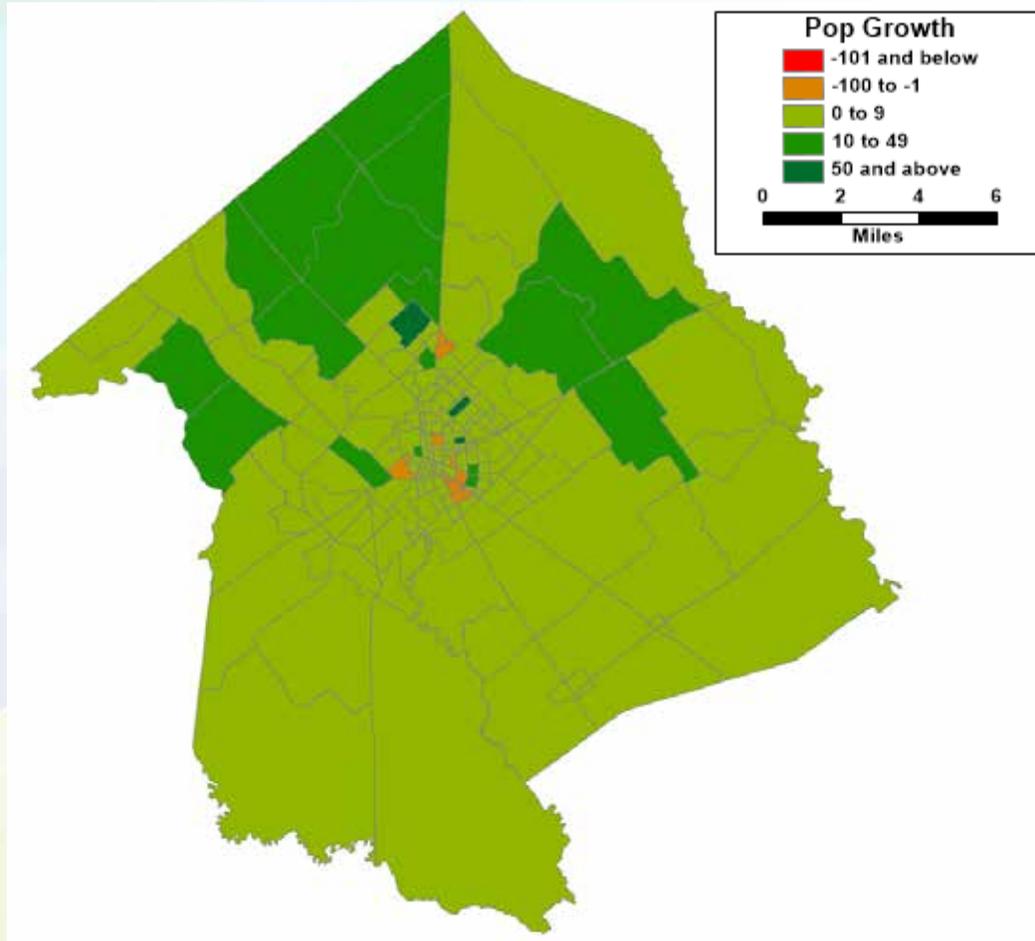
2022 Interim Year Socio-Economic and Demographic Data

CAMBRIDGE SYSTEMATICS

2022 Demographics: Population

TOT_POP_22
- 225 and below
- 226 to 599
- 600 to 1099
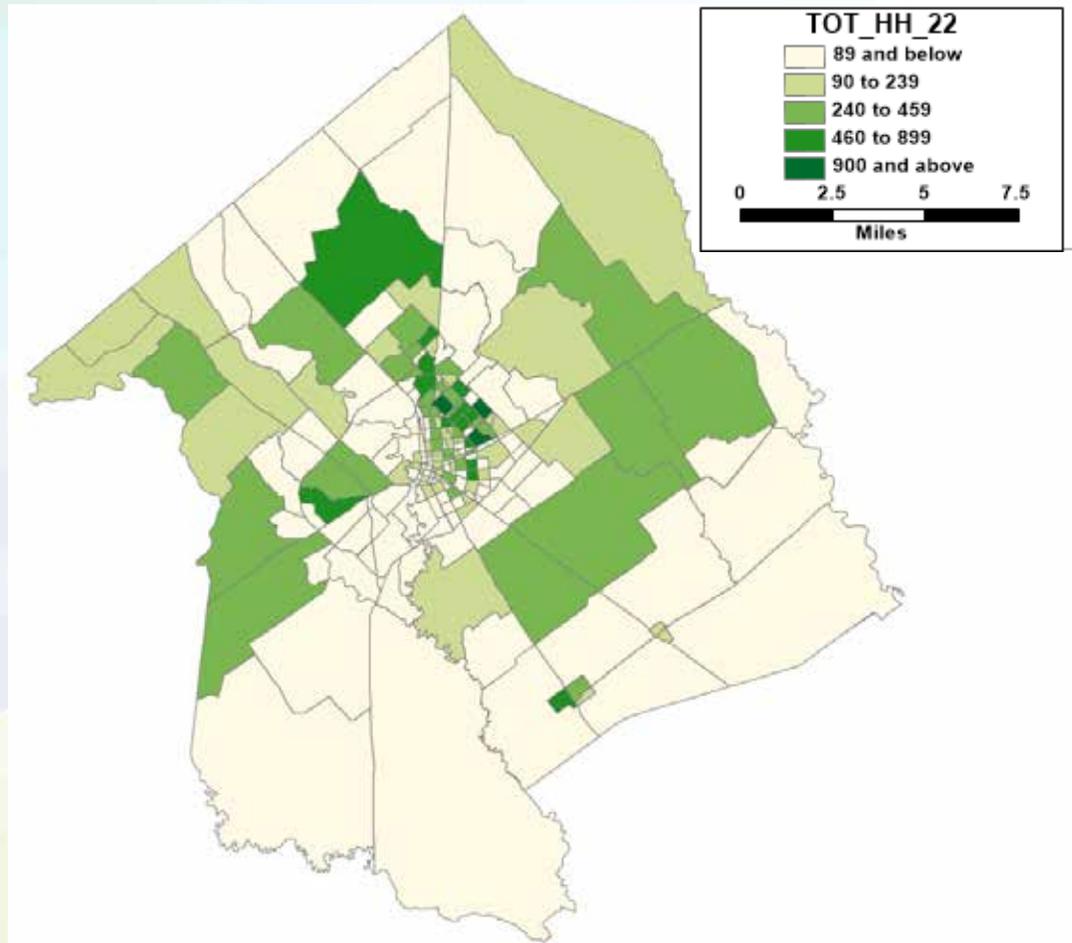- 1100 to 1899
- 1900 and above

0   2.5   5   7.5
Miles
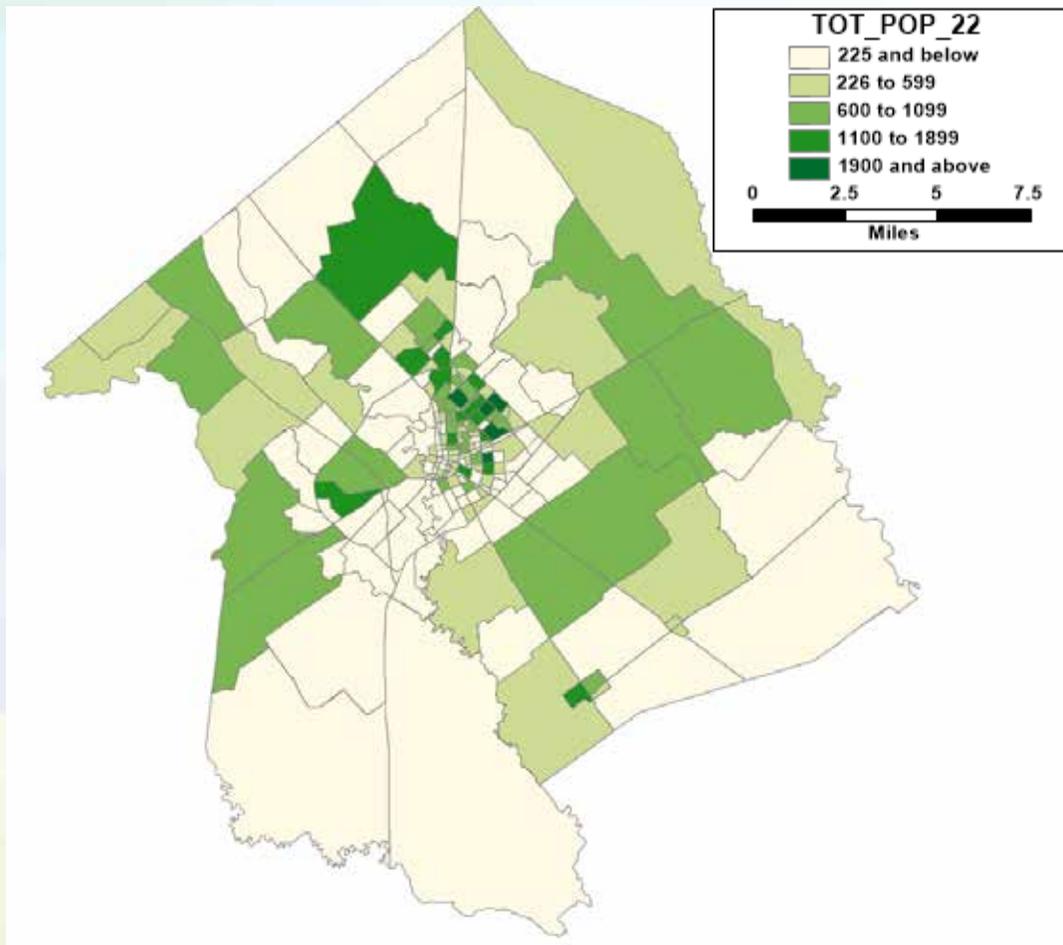
➤ Generally similar population distribution as the 2017 data.

➤ Reduction in population in the Southern parts of City and County.

➤ Slight increase in population in the Northern parts of City and County.

➤ Total population: 92,185.

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2022 Demographics: Population Change

Pop Growth
- -101 and below
- -100 to -1
- 0 to 9
- 10 to 49
- 50 and above
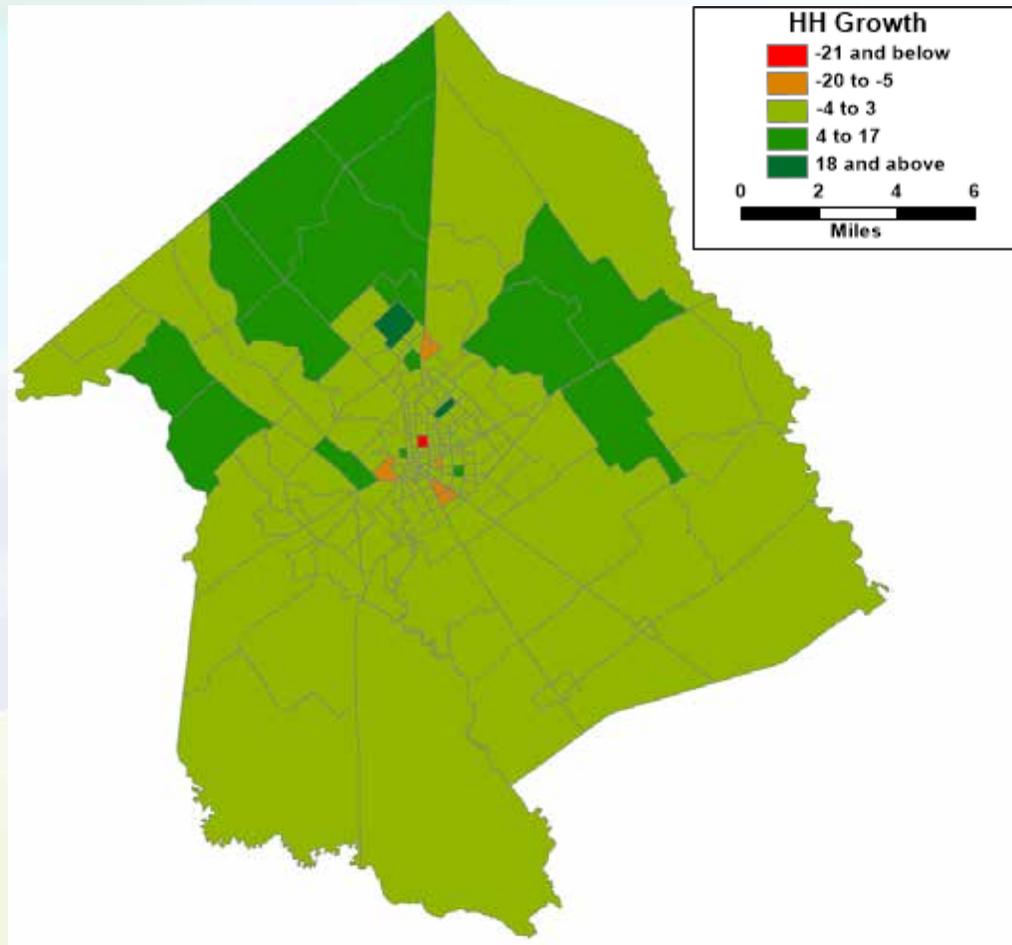
➤ Some loss in population in zones near downtown.

➤ Growth in population concentrated in Northern Victoria County.

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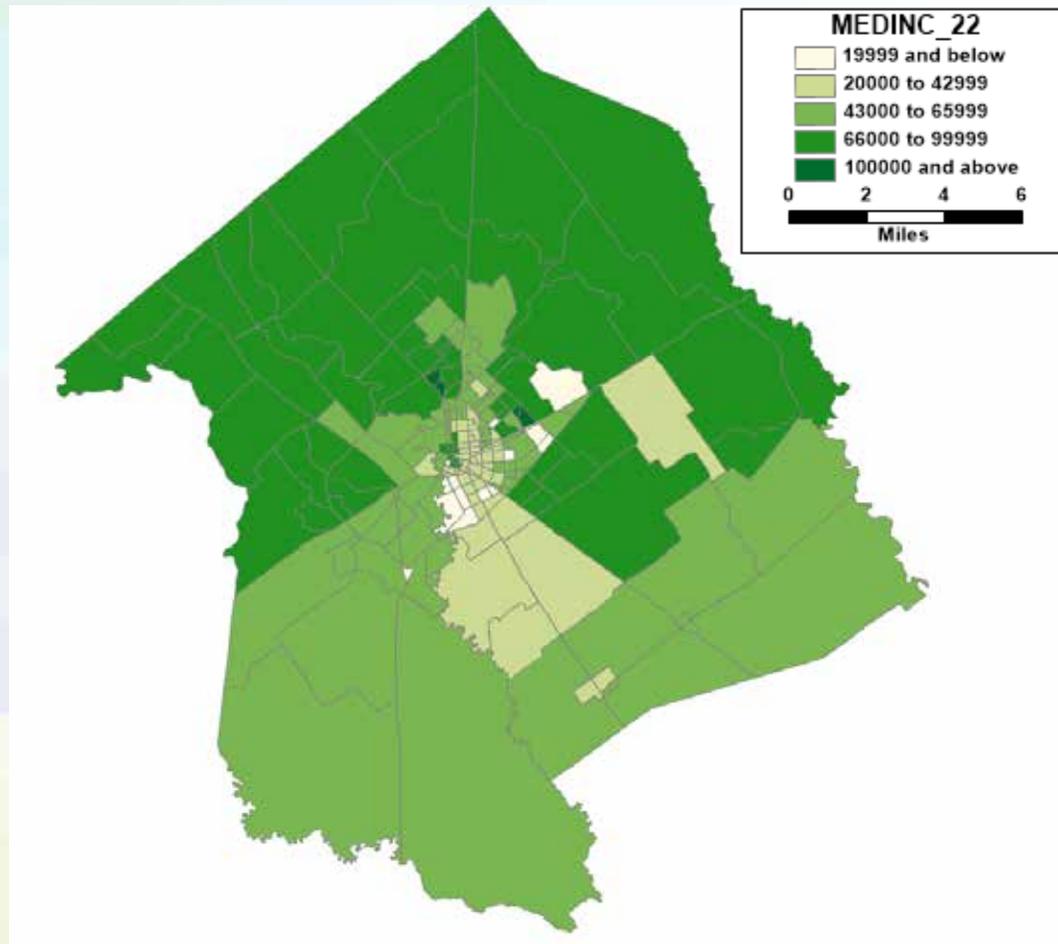# 2022 Demographics: Households

TOT_HH_22
- 89 and below
- 90 to 239
- 240 to 459
- 460 to 899
- 900 and above

0   2.5   5   7.5
Miles

- Household distributions generally follow population distributions.

- Total households: 33,995.

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2022 Demographics: Household Change

**HH Growth**
- -21 and below
- -20 to -5
- -4 to 3
- 4 to 17
- 18 and above

Miles: 0 2 4 6

➤ Some loss in households in zones near downtown.

➤ Growth in households concentrated in Northern Victoria County.

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2022 Demographics: Median Income

MEDINC_22
- 19999 and below
- 20000 to 42999
- 43000 to 65999
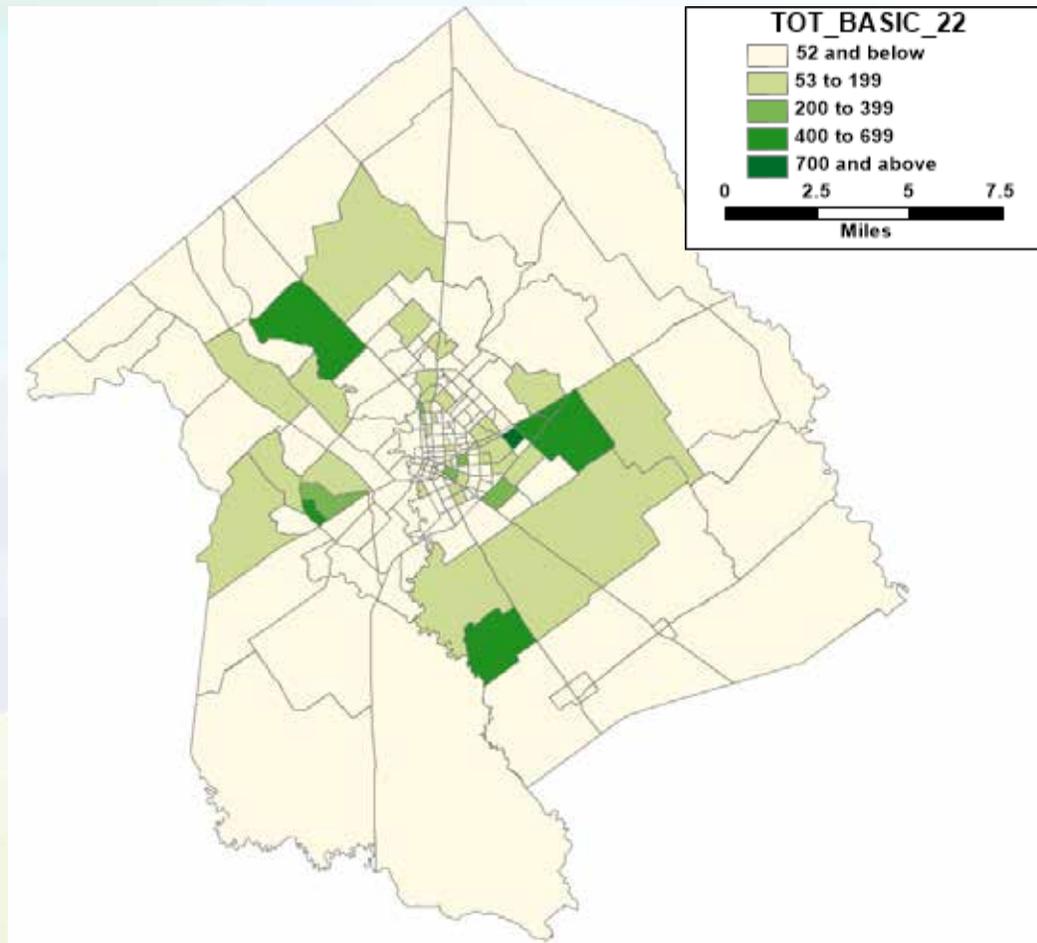- 66000 to 99999
- 100000 and above

0 2 4 6
Miles

➤ In 2017 dollars.

➤ Similar distribution to the median household income in the 2017 data.

➤ Slightly reduced from 2017 levels to show decrease in median income over time in 2017 dollars.

➤ Regional median household income: $53,248.

➤ Regional median household income (weighted by HH): $58,306.

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2022 Demographics: Change in Median Income
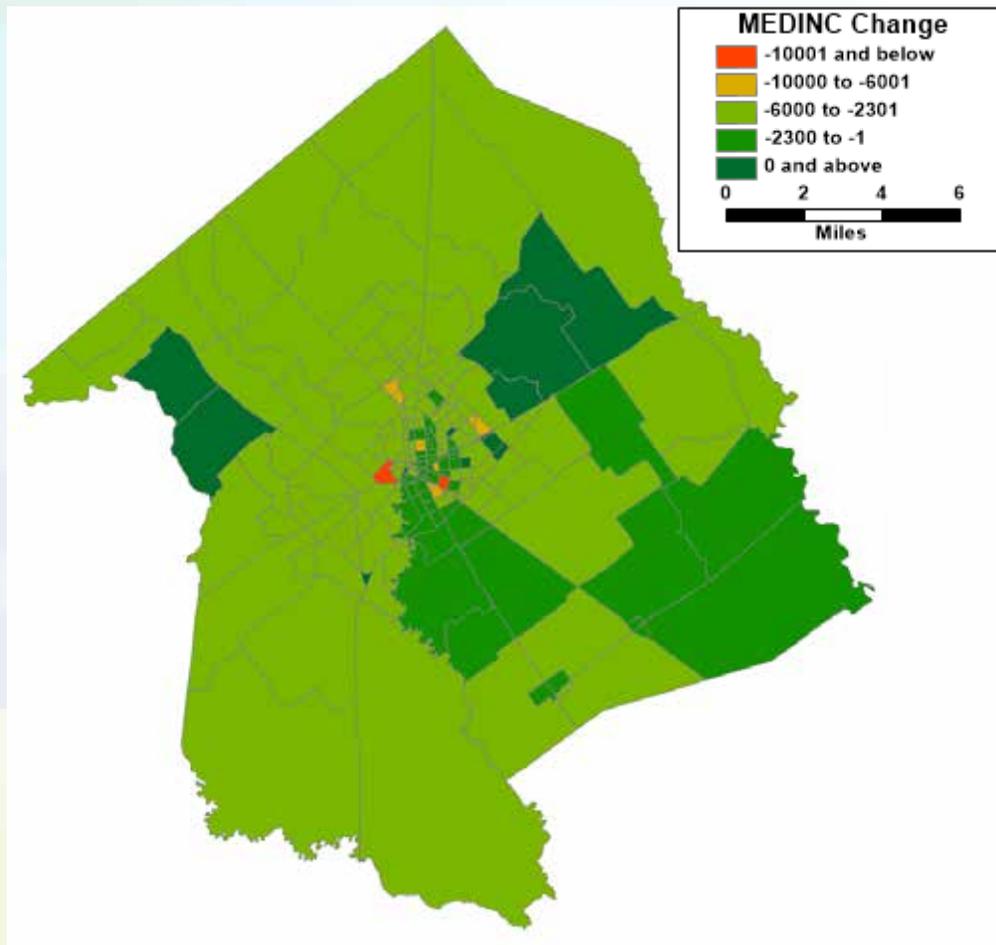
MEDINC Change
- -10001 and below
- -10000 to -6001
- -6000 to -2301
- -2300 to -1
- 0 and above

- Reduction in median income (in 2017 dollars) across the board proportionally.

- Further reduction in median income in zones where there are household teardowns.

- Increase in median income in zones near the desirable school district and Inez.

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2022 Demographics: Basic Emp

TOT_BASIC_22
- 52 and below
- 53 to 199
- 200 to 399
- 400 to 699
- 700 and above

0   2.5   5   7.5
Miles

➤ Growth in basic employment between 2017 and 2022 is limited to two zones along US 59.

➤ Total basic employment: 10,801.

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2022 Demographics: Basic Emp Growth

Basic Emp Growth
- 0
- 0 to 18
- 19 to 39
- 40 and above
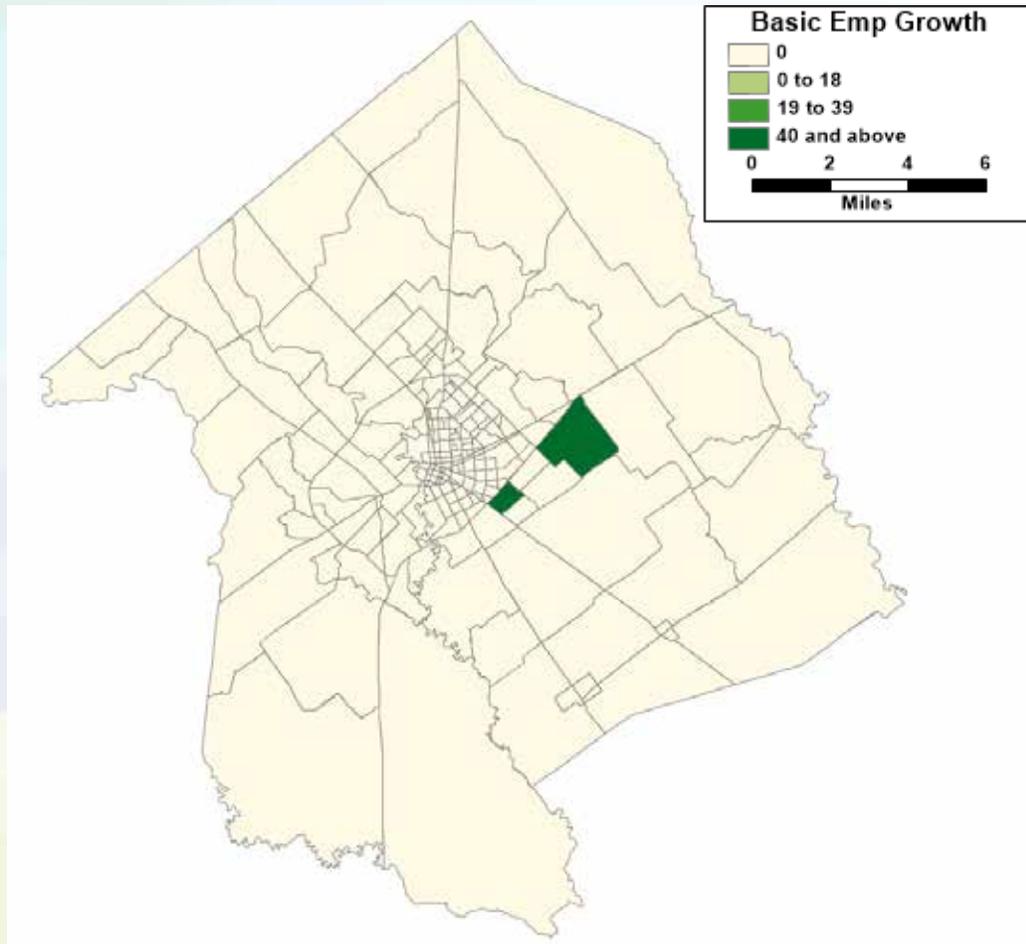
This map shows that the growth in basic employment is isolated to two zones.
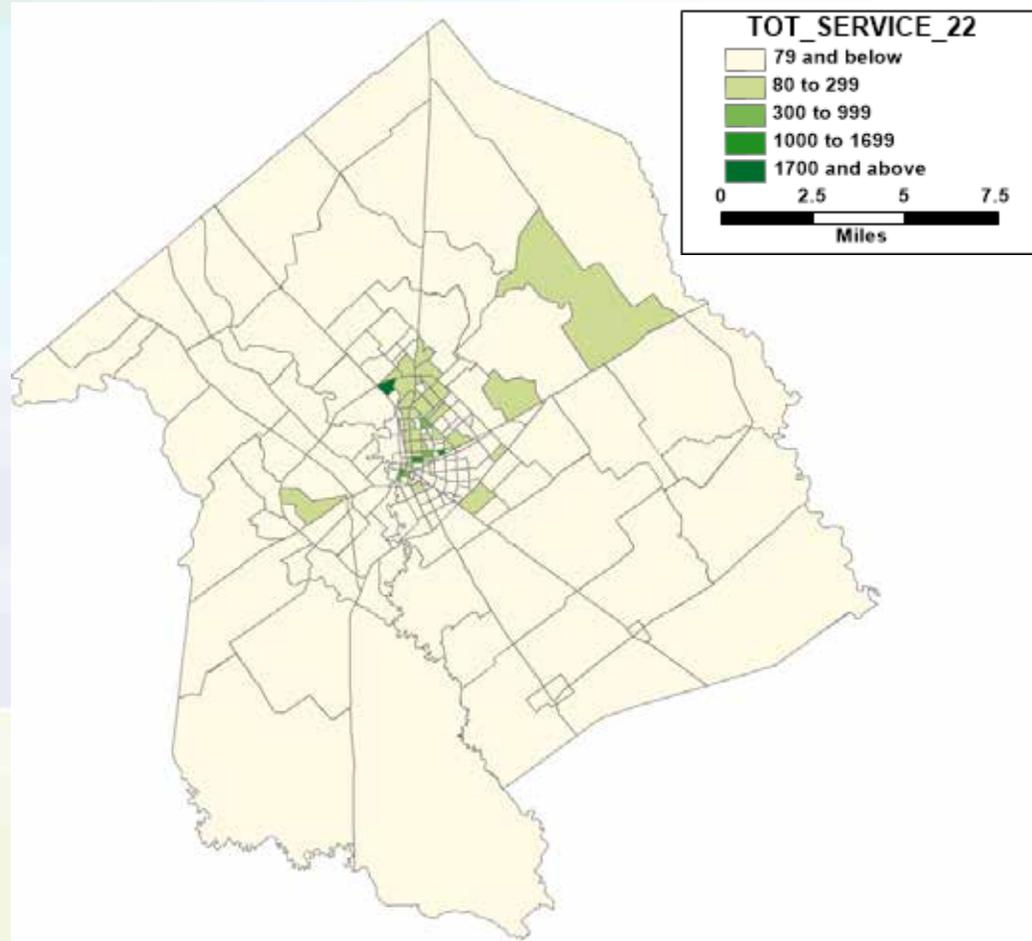
CAMBRIDGE SYSTEMATICS

2022 Demographics: Retail Emp
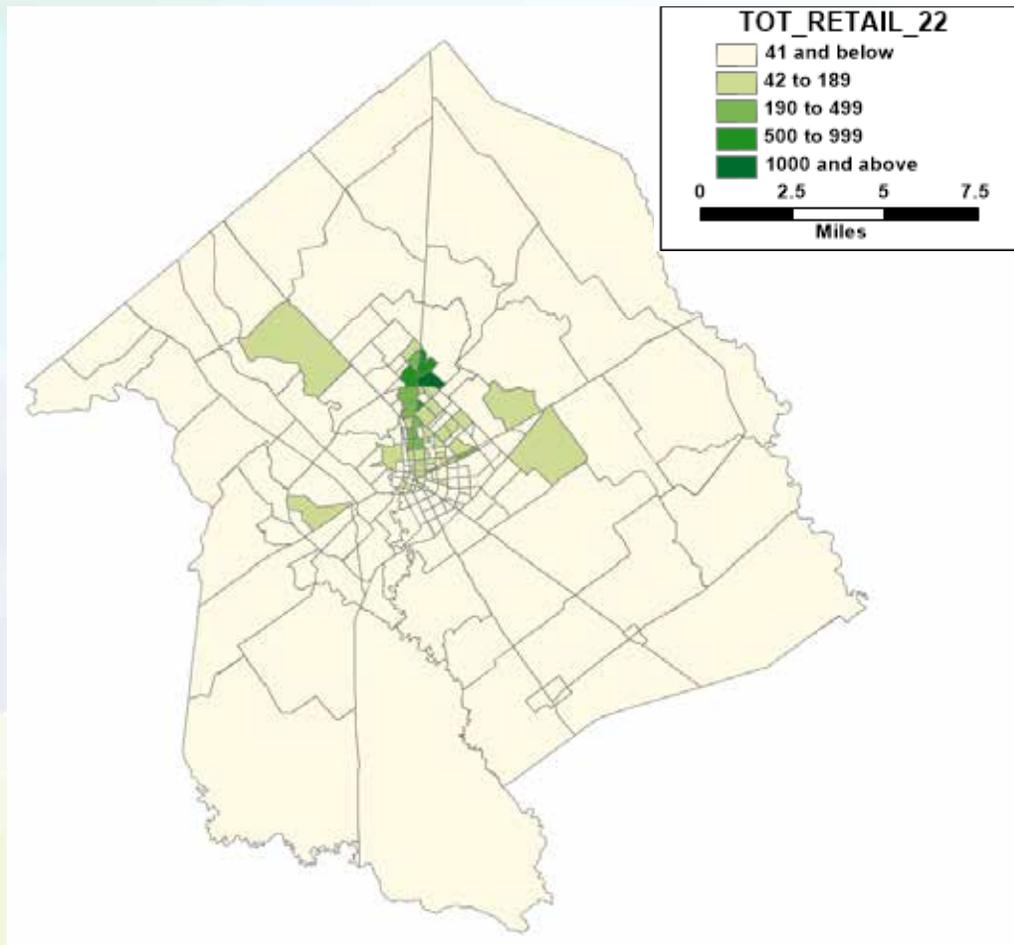
- ➤ Growth in retail employment between 2017 and 2022 is limited to zones pertaining to Victoria Mall.

- ➤ Total retail employment: 9,907.

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2022 Demographics: Retail Emp Growth

Retail Emp Growth
- 0
- 0 to 15
- 16 to 39
- 40 and above

0   2   4   6
Miles
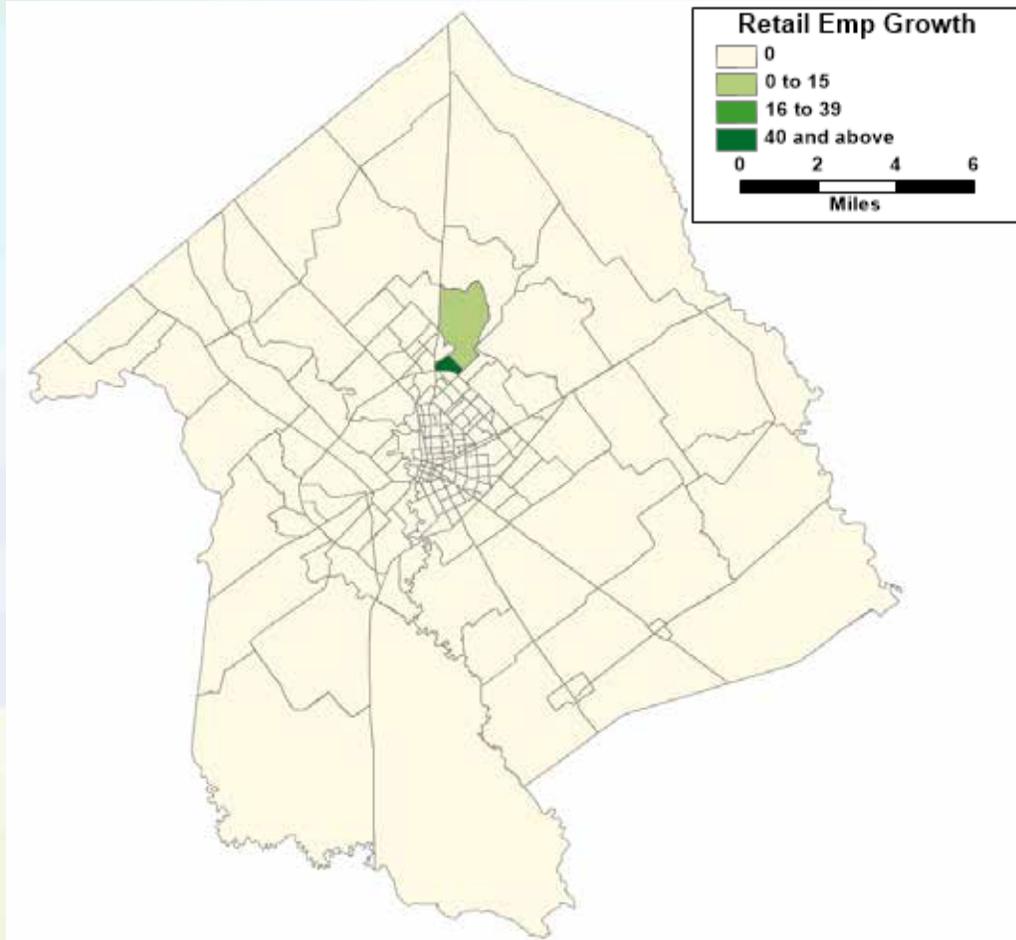
➤ This map shows that the growth in retail employment is isolated to two zones.

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2022 Demographics: Service Emp

TOT_SERVICE_22
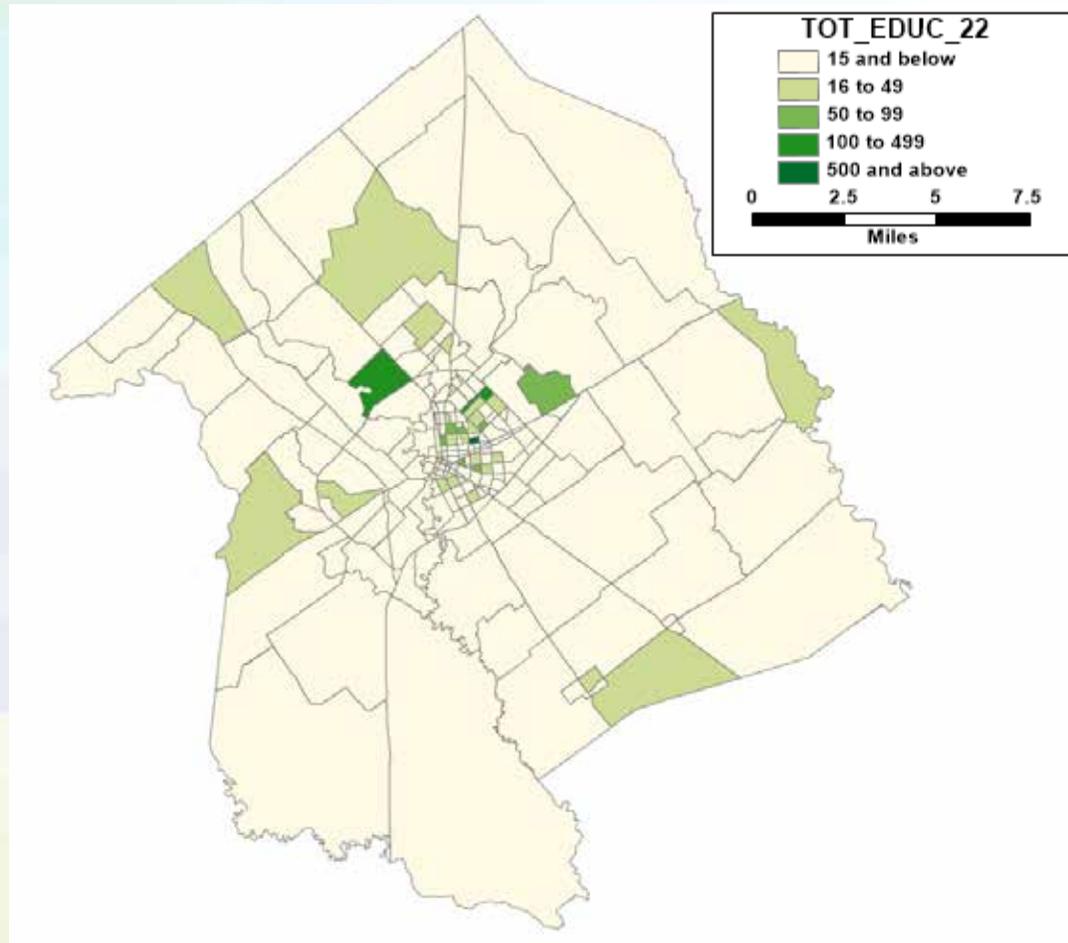- 79 and below
- 80 to 299
- 300 to 999
- 1000 to 1699
- 1700 and above

➤ Growth in service employment between 2017 and 2022 is limited to DeTar and Citizens hospitals

➤ Total service employment: 15,840.

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2022 Demographics: Service Emp Growth

Service Emp Growth
- 10 and below
- 11 to 14
- 15 to 19
- 20 to 69
- 70 and above
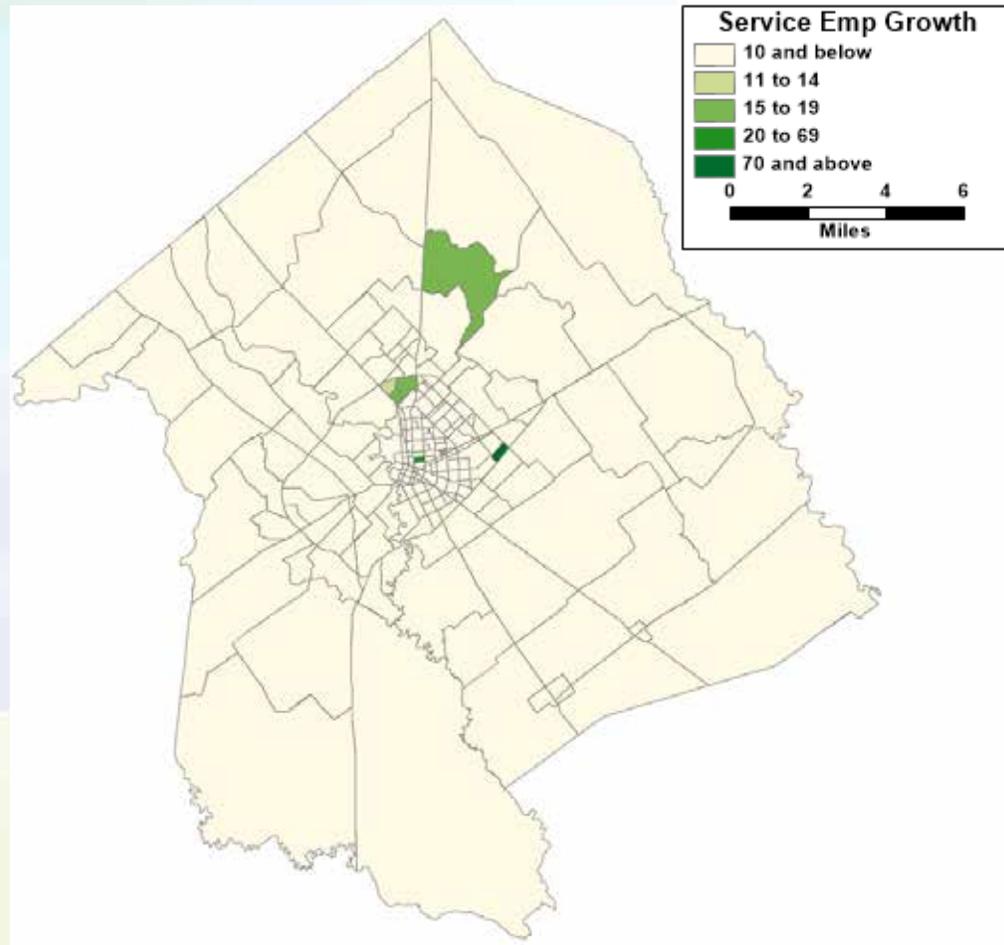
➤ The bulk of the growth in service employment is concentrated in the zones where the hospitals are.

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2022 Demographics: Educ Emp

TOT_EDUC_22
- 15 and below
- 16 to 49
- 50 to 99
- 100 to 499
- 500 and above

0   2.5   5   7.5
Miles

➤ The 2022 education employment data reflects the closure of two elementary schools: William Wood and Guadalupe.

➤ The growth in education employment is centered at UHV.
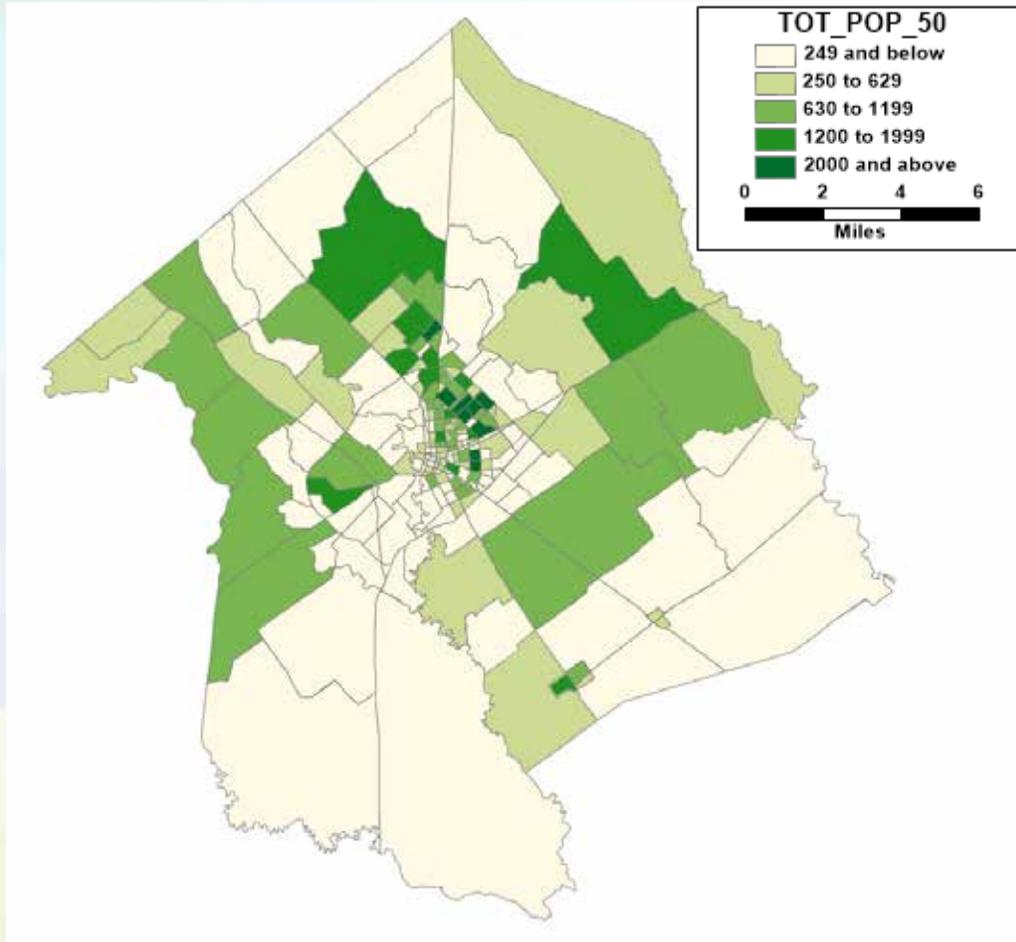
➤ Total education employment: 2,305.

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2022 Demographics: Educ Emp Growth
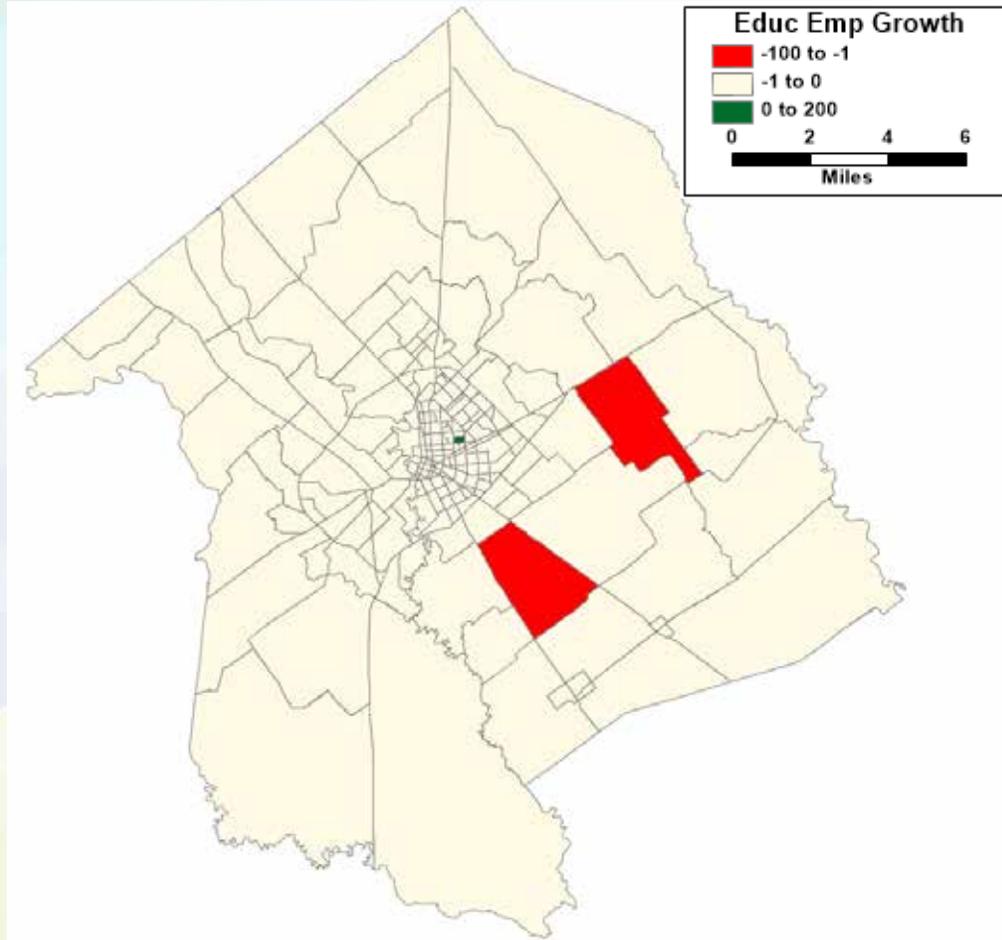
➤ The map shows loss of education employment in two zones and growth in education employment at UHV.

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2050 Forecast Year Socio-Economic and Demographic Data

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2050 Demographics: Population

TOT_POP_50
- 249 and below
- 250 to 629
- 630 to 1199
- 1200 to 1999
- 2000 and above

- More growth in the Northern parts of Victoria County.

- Total population: 106,365.

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2050 Demographics: Population Growth Compared to Base Year
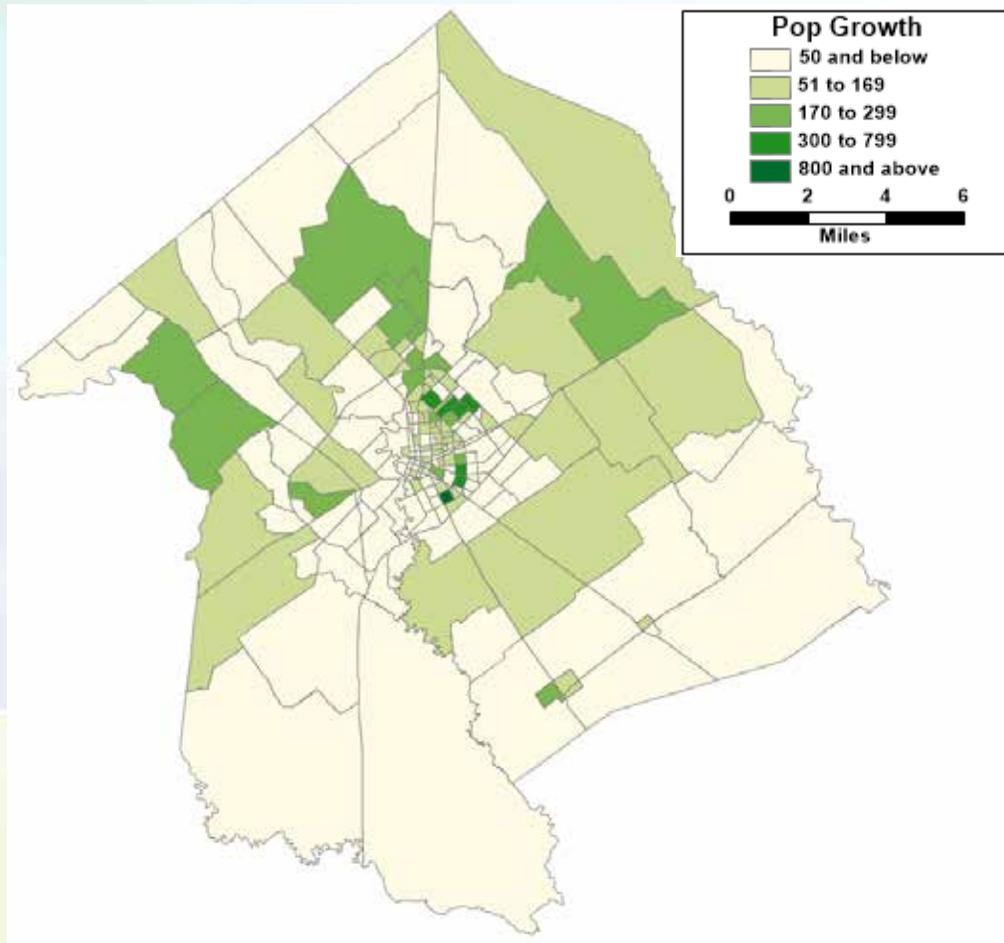
Pop Growth
- 50 and below
- 51 to 169
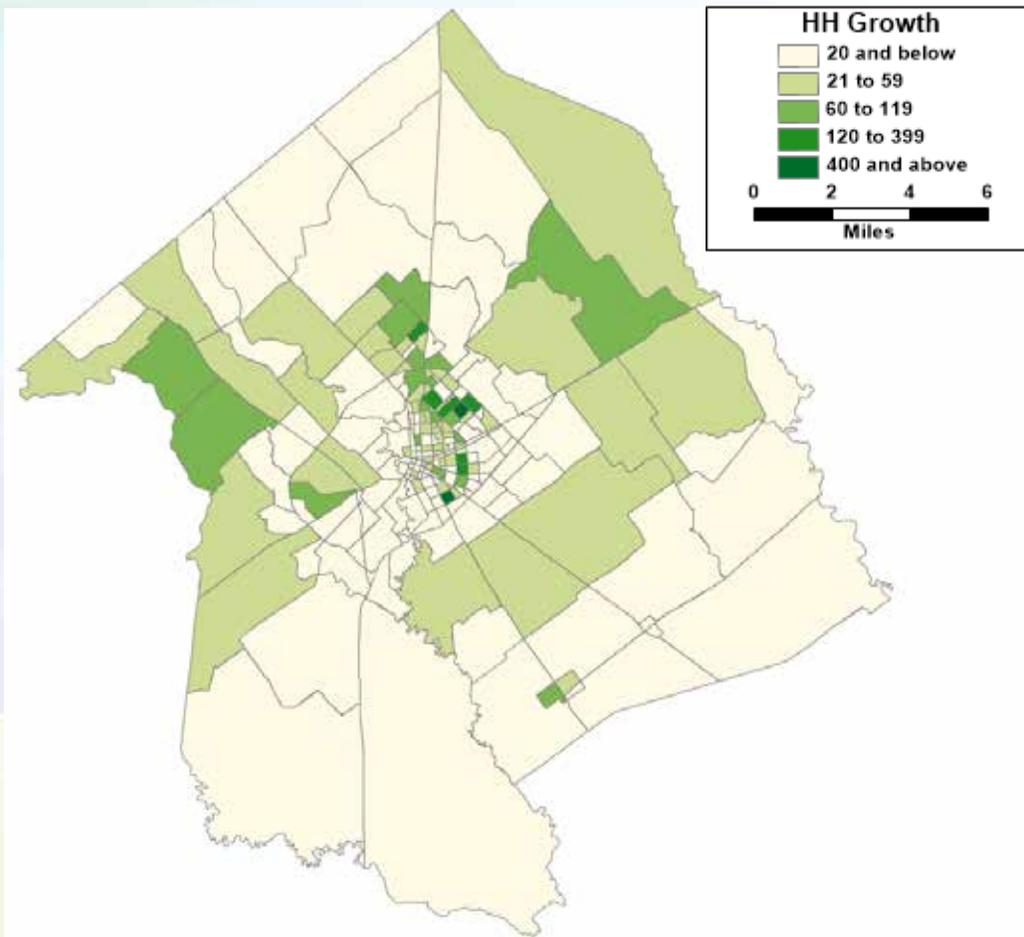- 170 to 299
- 300 to 799
- 800 and above

0 2 4 6
Miles

➤ Little to no growth in areas with drainage/flooding issues.

➤ Growth mostly happening in Northern Victoria County.

➤ Growth in zones experiencing short-term loss reflecting rehabilitated homes.
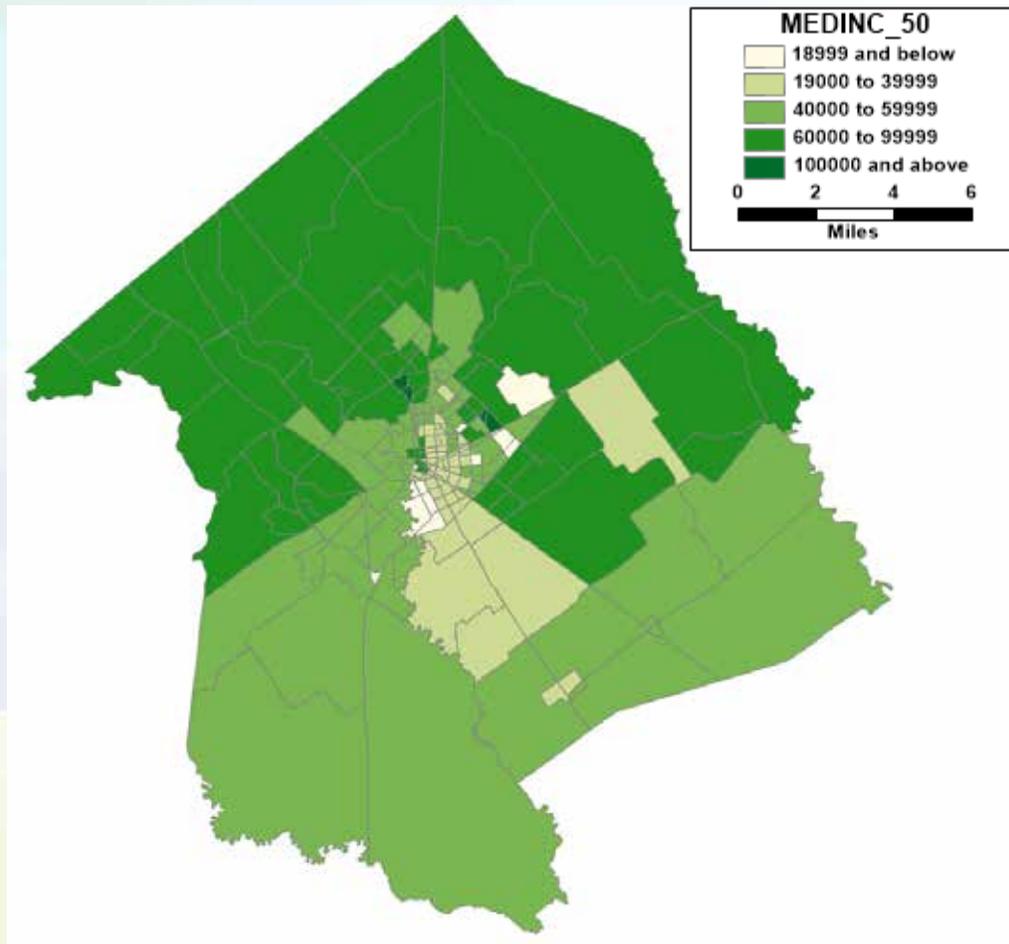
2050 Demographics: Households
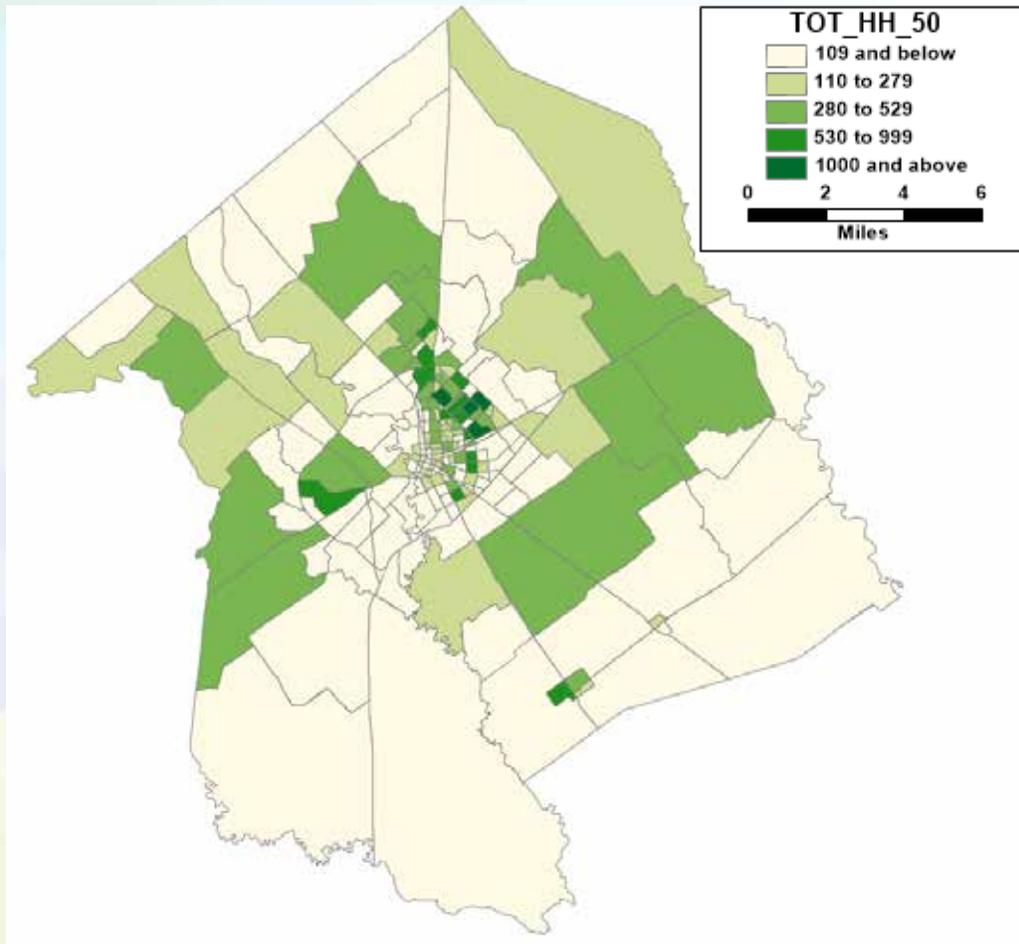
- Household distributions generally follow population distributions.

- Total households: 40,288.

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2050 Demographics: Household Growth Compared to Base Year

HH Growth
- 20 and below
- 21 to 59
- 60 to 119
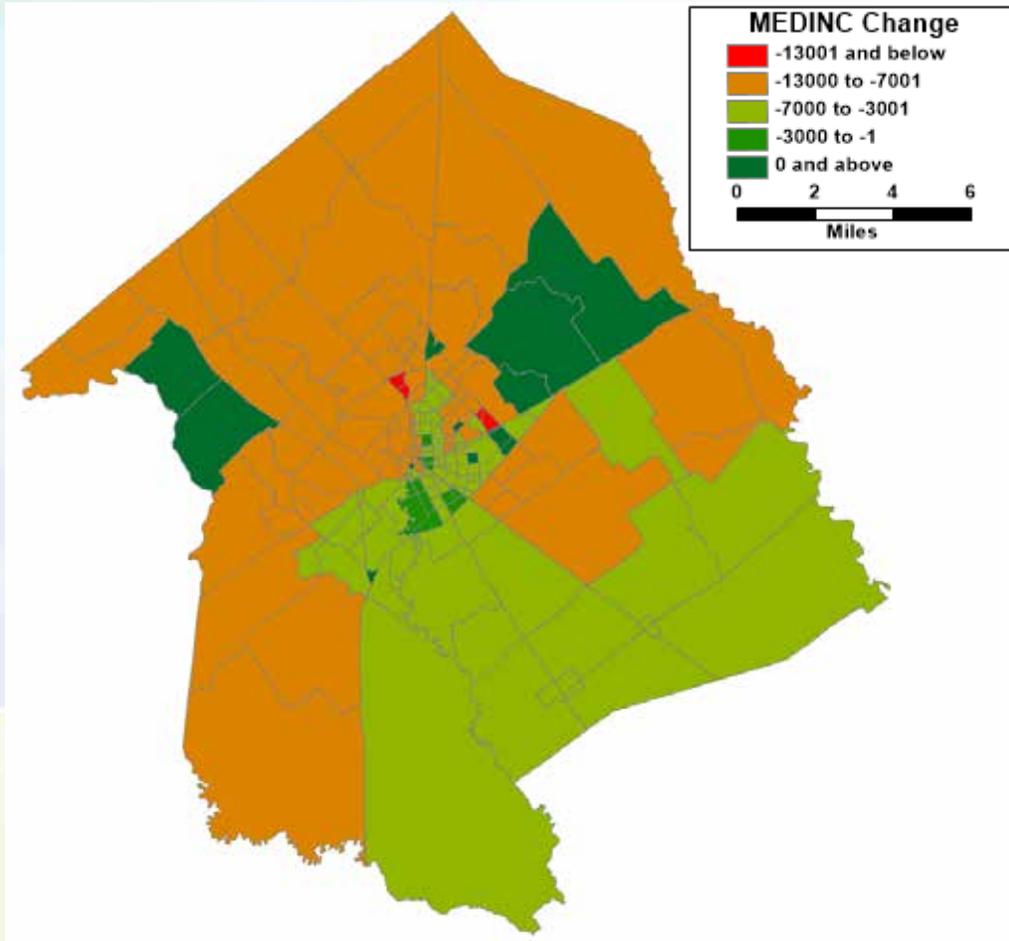- 120 to 399
- 400 and above

0   2   4   6
Miles

➤ Little to no growth in areas with drainage/flooding issues.

➤ Growth mostly happening in Northern Victoria County.

➤ Growth in zones experiencing short-term loss reflecting rehabilitated homes.

➤ Household size decrease in zones with multifamily housing development.

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2050 Demographics: Median Income

Legend:

MEDINC_50
- 18999 and below
- 19000 to 39999
- 40000 to 59999
- 60000 to 99999
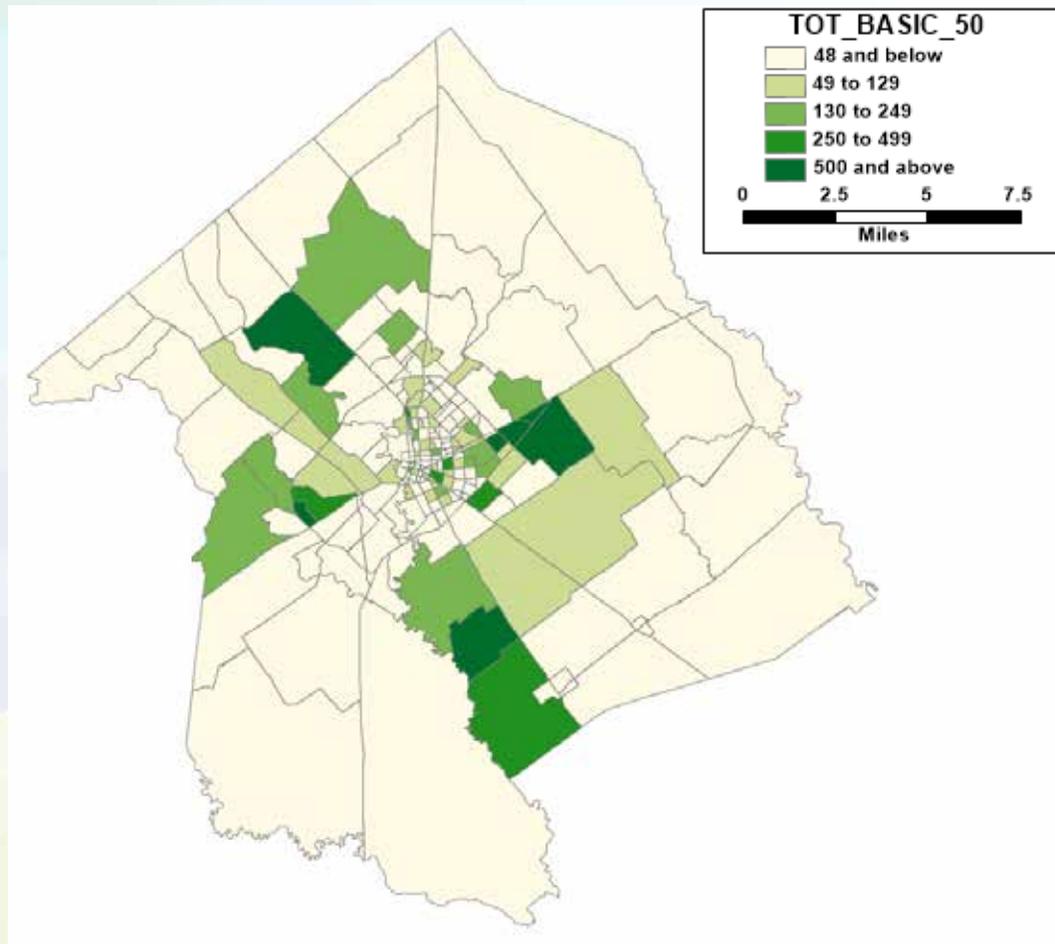- 100000 and above

0   2   4   6
Miles

- In 2017 dollars.

- Similar distribution to the median household income in the 2017 data.

- Slightly reduced from 2017 levels to show decrease in median income over time in 2017 dollars.

- Regional median household income: $49,435.

- Regional median household income (weighted by HH): $54,230.

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2050 Demographics: Change in Median Income Compared to Base Year

MEDINC Change
- -13001 and below
- -13000 to -7001
- -7000 to -3001
- -3000 to -1
- 0 and above

0   2   4   6
Miles

- Reduction in median income (in 2017 dollars) across the board proportionally.

- Further reduction in median income in zones where there are household teardowns.

- Increase in median income in zones near the desirable school district and Inez.

CAMBRIDGE SYSTEMATICS

2050 Demographics: Basic Emp

Legend — TOT_BASIC_50:
- 48 and below
- 49 to 129
- 130 to 249
- 250 to 499
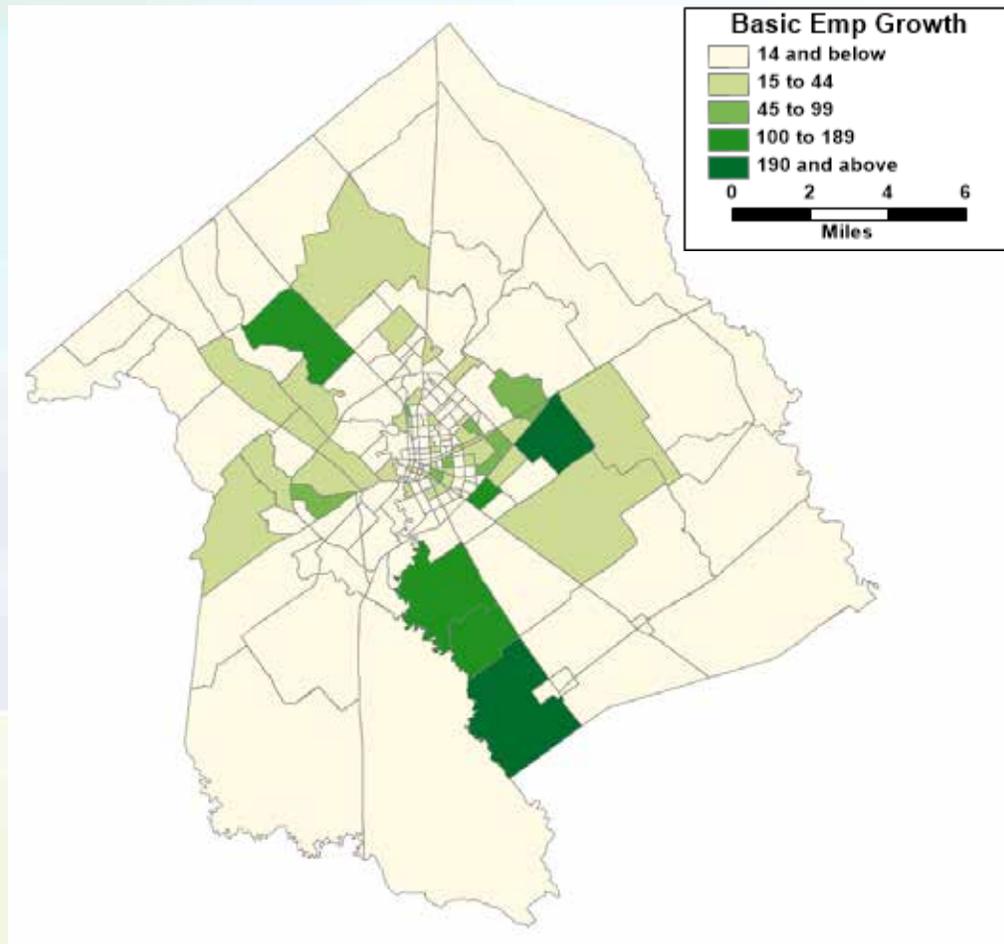- 500 and above

Scale: 0, 2.5, 5, 7.5 Miles

- Growth in basic employment considers planned projects at
  - » Victoria Regional Airport
  - » Port of Victoria
  - » Bloomington Refinery
  - » Victoria Industrial Park
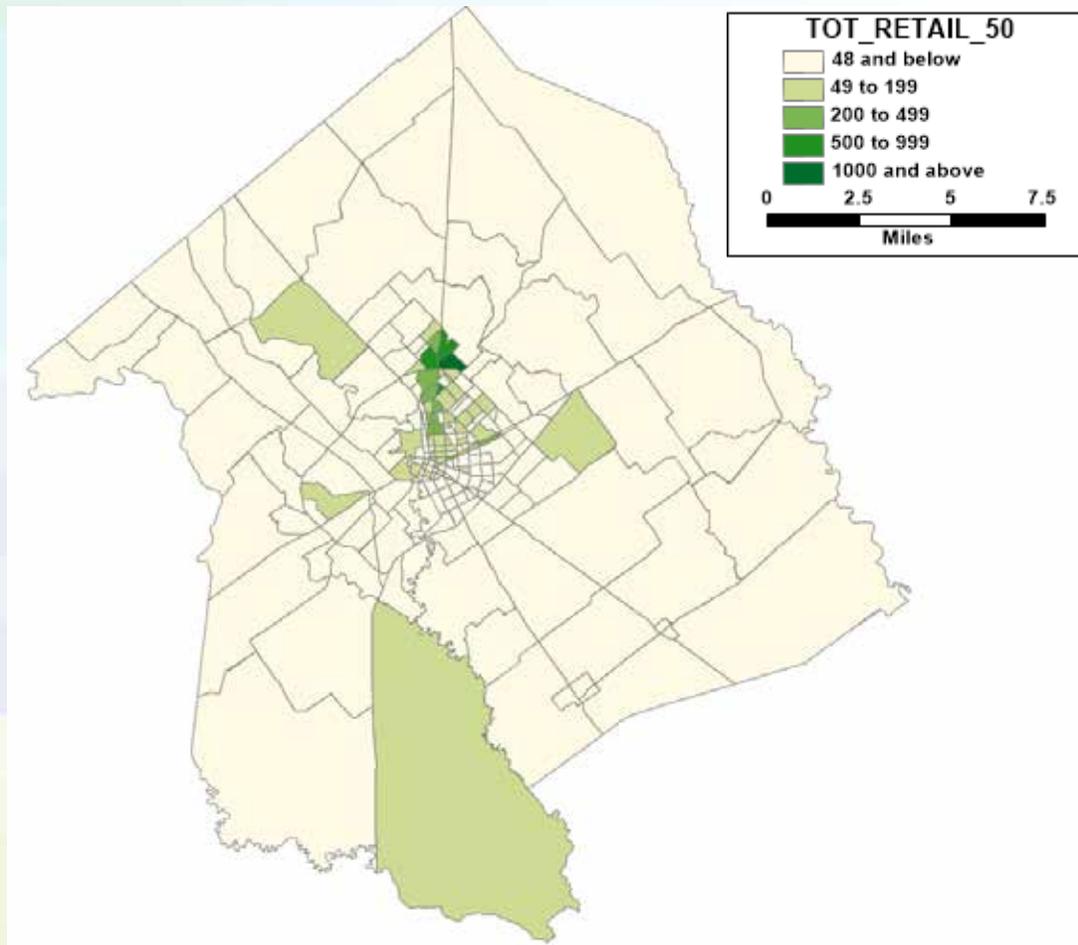
- Total basic employment: 13,874.

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2050 Demographics: Base Emp Growth Compared to Base Year

Basic Emp Growth
- 14 and below
- 15 to 44
- 45 to 99
- 100 to 189
- 190 and above

0 2 4 6 Miles

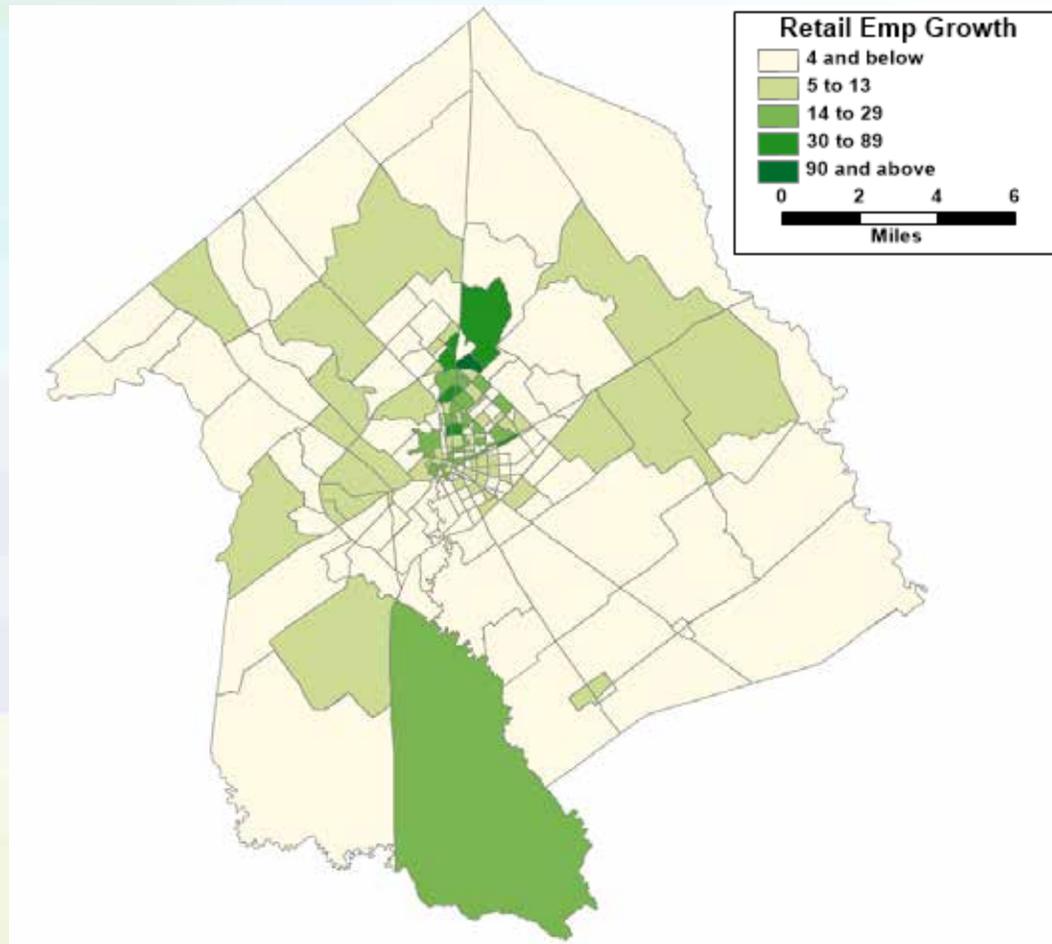➤ This map shows expected growth in basic employment due to investments at:

» Port of Victoria

» Bloomington Refinery

» Victoria Regional Airport

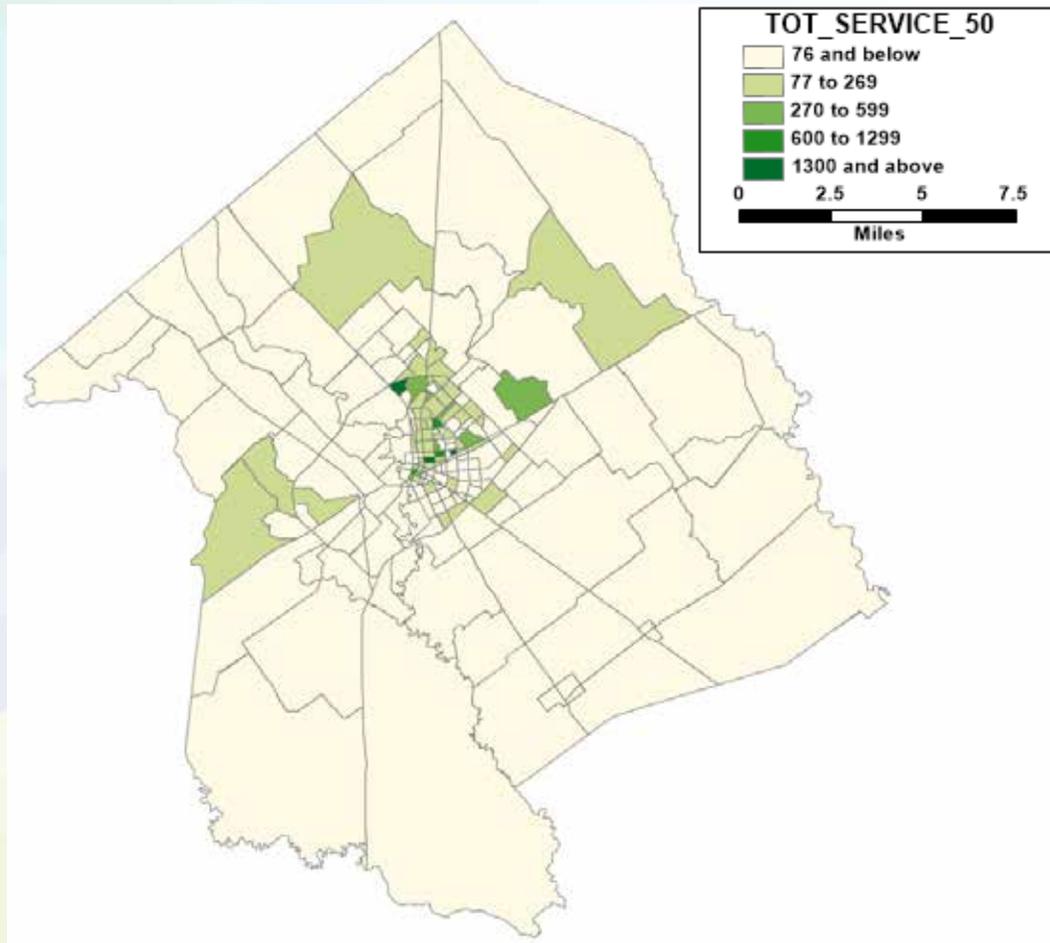» Victoria Industrial Park

2050 Demographics: Retail Emp

TOT_RETAIL_50
- 48 and below
- 49 to 199
- 200 to 499
- 500 to 999
- 1000 and above

0   2.5   5   7.5
Miles

➤ Retail growth is concentrated at Victoria Mall and along Navarro.

➤ Total retail employment: 11,482.

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2050 Demographics: Retail Emp Growth Compared to Base Year

Retail Emp Growth
- 4 and below
- 5 to 13
- 14 to 29
- 30 to 89
- 90 and above

- Growth in retail employment across the County to reflect new or expanded shops and restaurants.

- Concentrated growth along Navarro and at Victoria Mall.

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2050 Demographics: Service Emp

TOT_SERVICE_50
- 76 and below
- 77 to 269
- 270 to 599
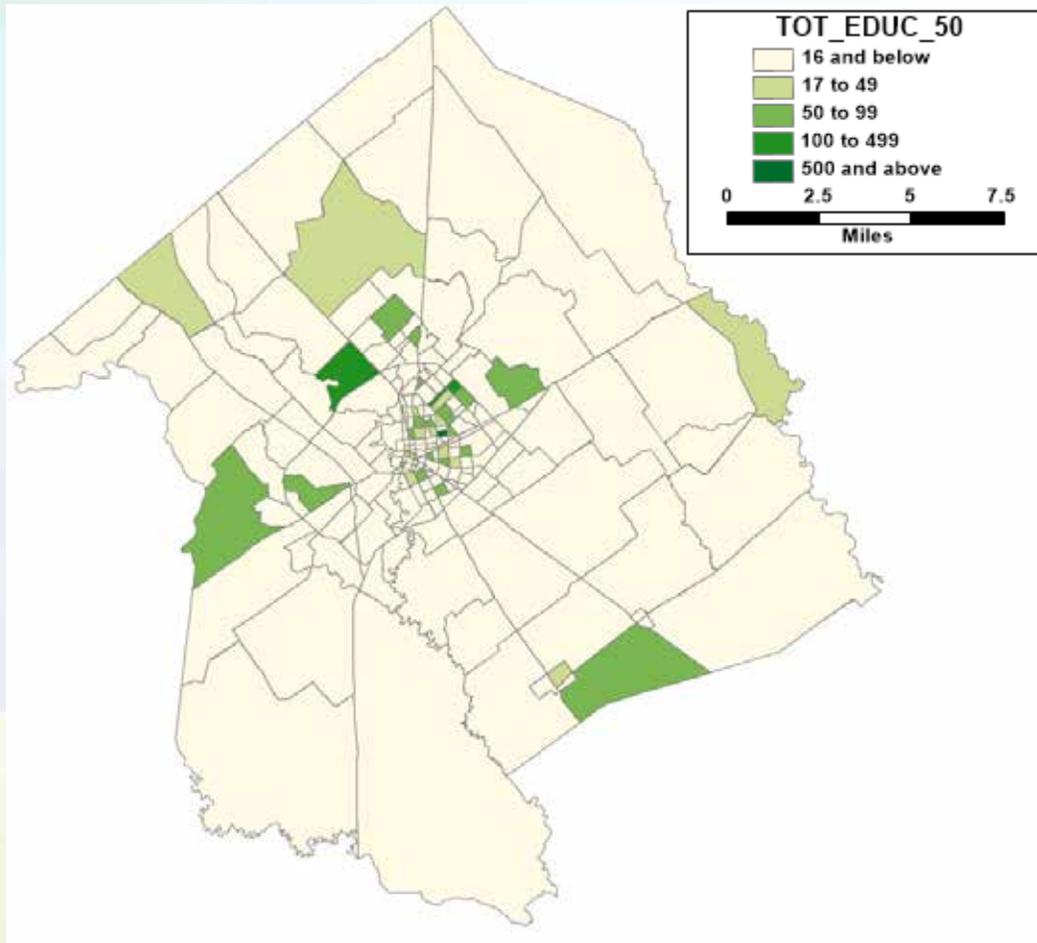- 600 to 1299
- 1300 and above

0   2.5   5   7.5

Miles

➤ Most of the service employment growth is occurring at the DeTar and Citizens hospitals.

➤ New service employment at the new police and fire department headquarters.

➤ Total service employment: 19,686.

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2050 Demographics: Service Emp Growth Compared to Base Year
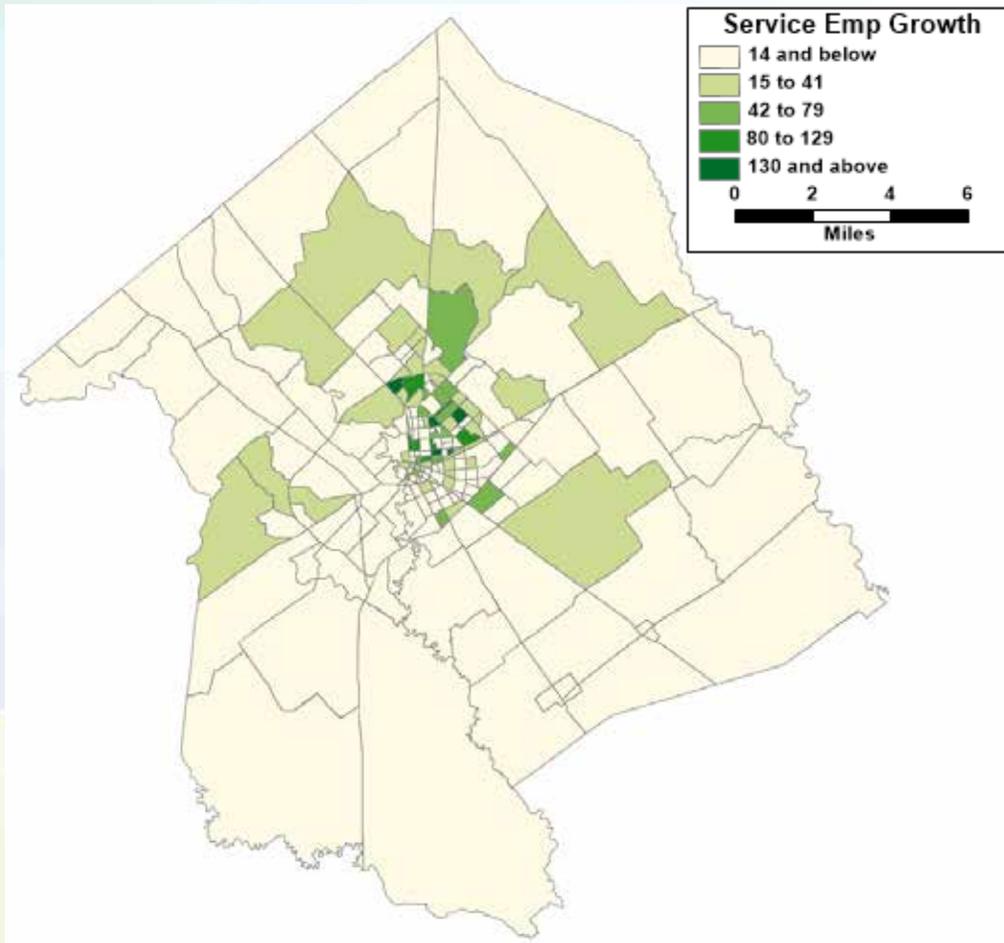
> Radial growth in service employment in Victoria County, concentrated within the City of Victoria.

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2050 Demographics: Educ Emp

TOT_EDUC_50
- 16 and below
- 17 to 49
- 50 to 99
- 100 to 499
- 500 and above

0   2.5   5   7.5
Miles

➤ Most of the education growth is occurring UHV reflecting continued investments in its expansion.

➤ Total education employment: 2,871.

CAMBRIDGE SYSTEMATICS

2050 Demographics: Educ Emp Growth Compared to Base Year

Educ Emp Growth
- -1 and below
- 0 to 13
- 14 to 29
- 30 to 69
- 70 and above

0 2 4 6
Miles
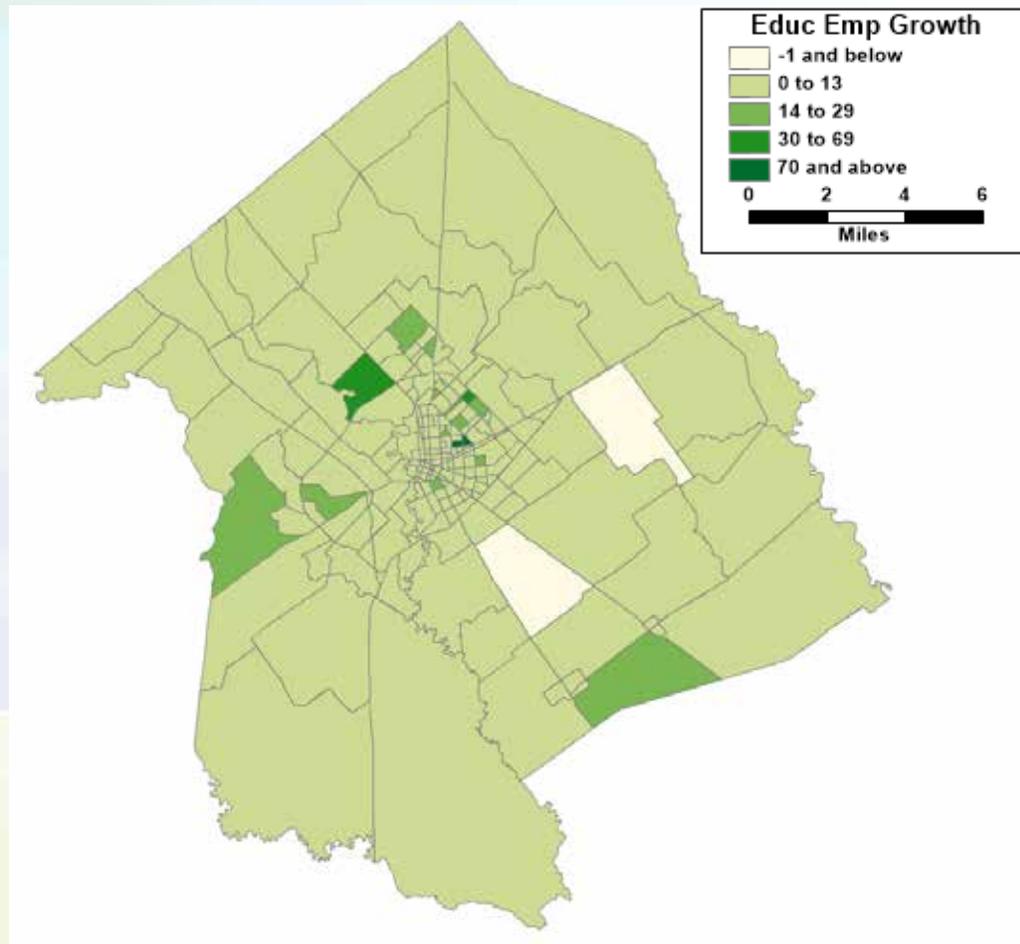
- Growth in education employment is directly related to growth in population.

- This map shows the assumption that there will be no education employment to replace the closures of William Wood and Guadalupe elementary schools.

- Growth mostly concentrated at UHV.

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