Area Based Analysis on HealthSTATS

This resource is intended to provide some additional context about area-based analysis and geographies available on SMDHU HealthSTATS dashboards.

General considerations

- Data included on HealthSTATS may be presented at the following levels of geography:
  - Simcoe Muskoka
  - Ontario
  - Simcoe County and Muskoka District (Census division)
  - Municipality
  - Public Health Planning Area ("Planning Area")
- Geography for data presented on HealthSTATS is primarily based on the residential address of the individual unless otherwise specified. Death data provided from the Office of the Chief Coroner of Ontario uses the location of the incident (or death) instead of the residential address of the deceased.
- Summary data for the Simcoe Muskoka District Health Unit (SMDHU) typically include information for all individuals living inside the borders of Simcoe County and Muskoka District, including those living on Canadian Forces Base (CFB) Borden and those living on First Nation communities (i.e., Moose Deer Point, Wahta Mohawk First Nation, Beausoleil First Nation, and Chippewas of Rama First Nation). Data from the Better Outcomes Registry and Network (BORN) does not include births from local First Nation communities. Diseases of Public Health Significance (DoPHS) may not include clients that live on CFB Borden or First Nations communities.
- Local First Nation communities are included in the overall totals and in the totals for Census divisions (Simcoe County and the Muskoka District) for several data sources such as emergency department visits or hospitalizations. However, we are not currently providing data related to specific First Nation communities, other than some information from the Census. SMDHU is in the process of initiating conversations with these communities to determine what additional data will be displayed on our HealthSTATS website. As these conversations take place and decisions are made, updates may be provided on HealthSTATS.
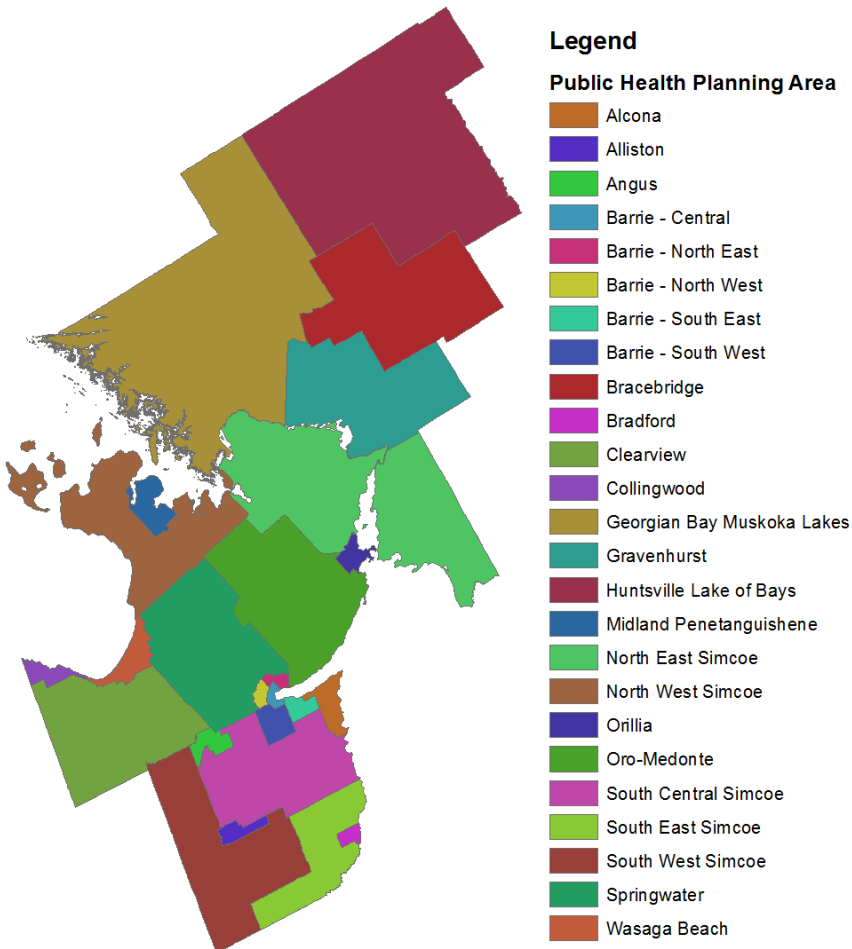
Municipality Analysis

- Municipality-level data reported on HealthSTATS is based on the Census Subdivision (CSD) as defined by Statistics Canada. For most municipalities inside SMDHU, the borders of the lower-tier municipalities and CSDs are the same. One notable difference is for Essa Township, where the CSD includes those living on CFB Borden as well as those living in the municipality of Essa Township.
- Denominator data for municipality-level analysis is taken from the population estimates as reported by Statistics Canada unless otherwise specified.

- Assignment of specific municipalities for numerator data (e.g., outcomes like births, deaths, and hospitalizations) can vary depending on the data source.
- Data sets that are available from IntelliHEALTH Ontario have public health unit and municipality assigned centrally by the Ministry of Health. Data reported from BORN are available at the Census Dissemination Area (DA) level. In SMDHU, all DAs are unique to a specific municipality. Other data sources may rely on the city or town included on the client record to assign the municipality.
- For other data sources, this is usually done by linking an individual's six-digit postal code to a municipality through a postal code conversion file (PCCF) licensed by Canada Post. Programs that randomly assign geographic areas that share six-digit postal codes based on population share are usually referred to as PCCF+ programs.
- Numbers may differ between public health planning areas and municipalities as a result of differences in the ways that geographies are assigned.

Public Health Planning Area Analysis

2022 SMDHU Public Health Planning Areas

Legend

Public Health Planning Area

- Alcona
- Alliston
- Angus
- Barrie - Central
- Barrie - North East
- Barrie - North West
- Barrie - South East
- Barrie - South West
- Bracebridge
- Bradford
- Clearview
- Collingwood
- Georgian Bay Muskoka Lakes
- Gravenhurst
- Huntsville Lake of Bays
- Midland Penetanguishene
- North East Simcoe
- North West Simcoe
- Orillia
- Oro-Medonte
- South Central Simcoe
- South East Simcoe
- South West Simcoe
- Springwater
- Wasaga Beach

- Public Health Planning Areas (PHPAs) are custom geographies created by SMDHU for statistical reporting purposes. There are currently 25 individual PHPAs inside Simcoe Muskoka. PHPAs are made up of one or more Aggregate Dissemination Areas (ADAs) as defined by Statistics Canada. The goal of the PHPAs is to report health status data at the smallest geographic level possible while respecting municipal boundaries and maintaining a sufficient population base to report reliable statistics.
- Denominator data for PHPA-level analysis is taken from the Census ADA counts provided by Statistics Canada for the years 2001, 2006, 2011, 2016, and 2021. Please note that denominators will not match exactly between equivalent geographies at the municipal and PHPA levels because of the difference in data sources.
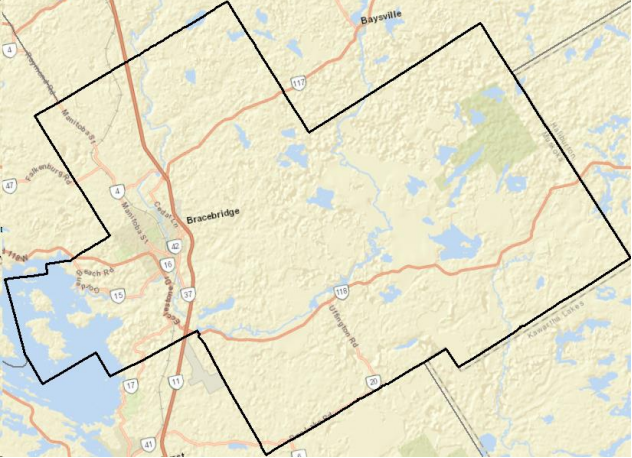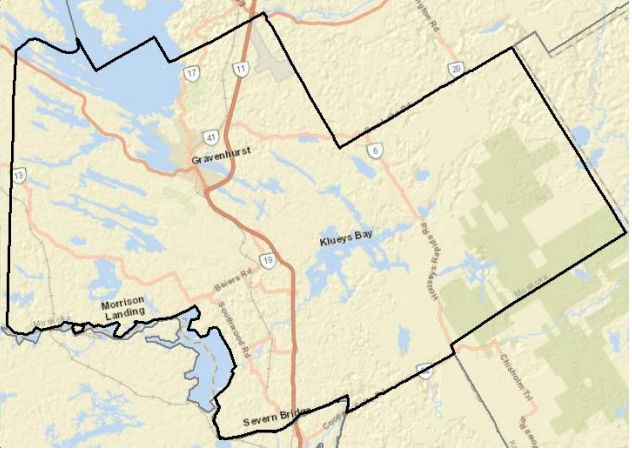
- Most PHPA-level data reported on HealthSTATS are based on the six-digit postal code included on the client record and run through a version of the PCCF+ program internally at SMDHU to link the client record to a specific PHPA.
- Numbers may differ between public health planning areas and municipalities as a result of differences in the ways that geographies are assigned.
- See appendix for additional details on 25 PHPAs, including a list of some of the communities included within each planning area and reference map.
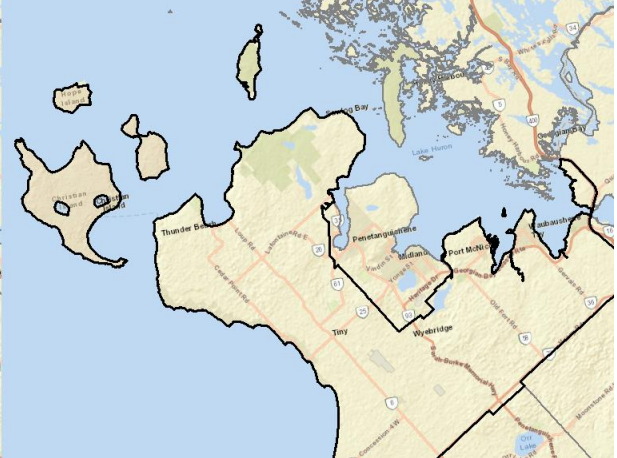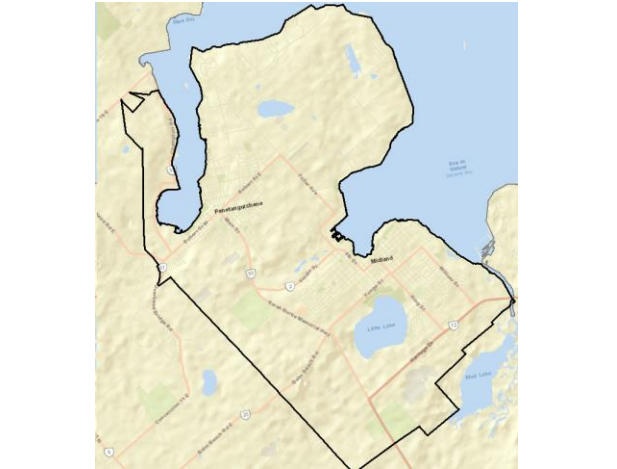
Ontario Marginalization (ON-Marg) Area-Based Analysis
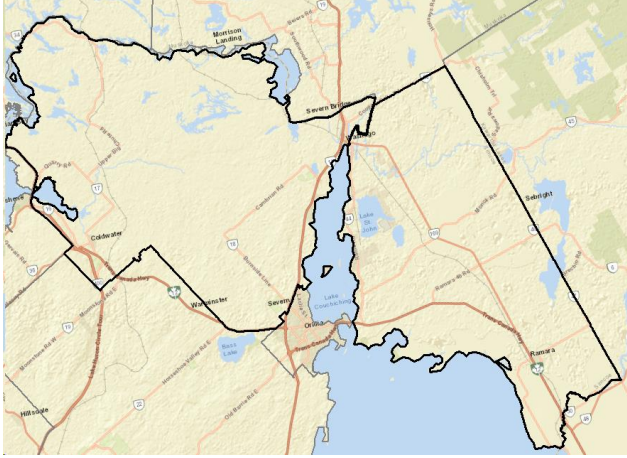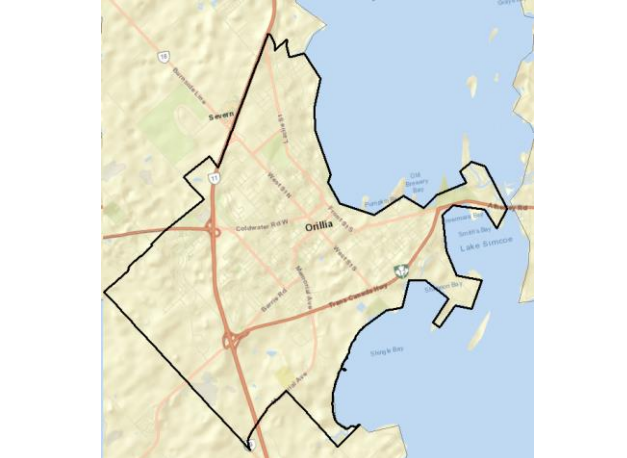
- The ON-Marg dimension of material deprivation provides a way to compare health status indicators among those with various levels of access to material resources based solely on their six-digit postal code.
- Health status data presented on HealthSTATS by material deprivation quintile (from least to most marginalized) are based on provincial quintiles as provided in the ON-Marg data downloads. Material deprivation marginalization quintiles are assigned based on the DA assigned to the client record (after running the postal codes through the PCCF+ internally at SMDHU).
- Denominator data for ON-Marg analysis is taken from the Census DA counts provided by Statistics Canada for the years 2016 and 2021, unless otherwise specified.
- Client records for years spanning 2014-2018 are assigned quintiles from the 2016 version of ON-Marg and records for years spanning 2019-2023 are assigned quintiles from the 2021 version of ON-Marg. ON-Marg analysis has not been conducted for any data prior to 2014.
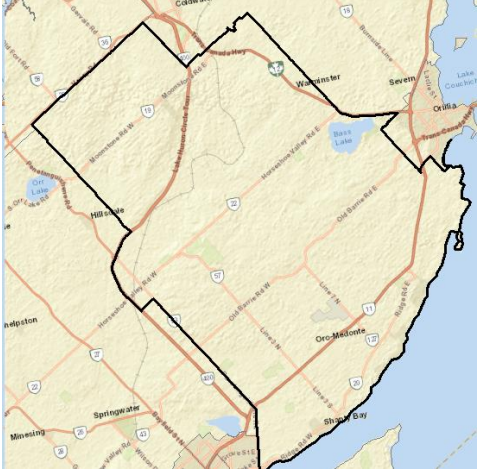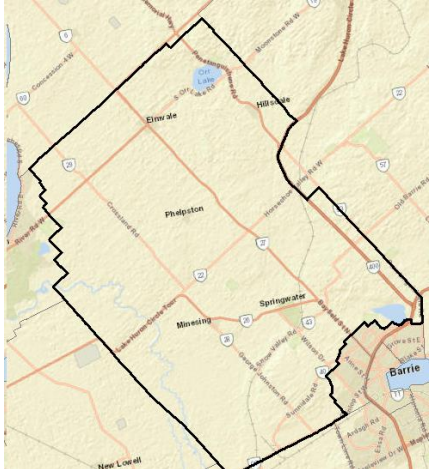
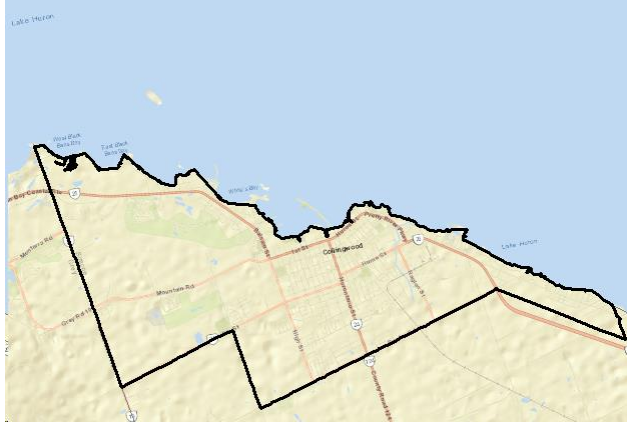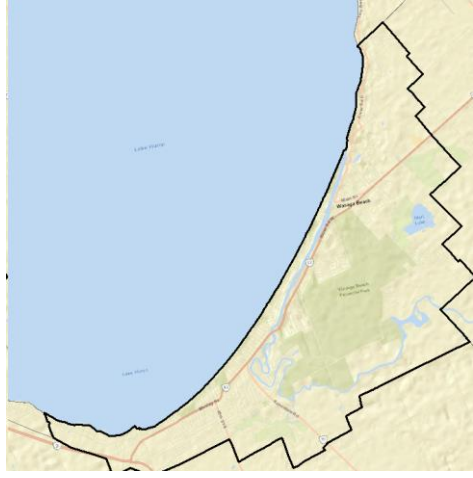# Appendix: Public Health Planning Area Reference Table

District	Area Name	Description	Communities	Map
Muskoka District	1: Huntsville Lake of Bays	Covers the combined municipalities of the Town of Huntsville and the Township of Lake of Bays.	Baysville, Dorset, Huntsville, Lake of Bays, Port Sydney, Utterson.	
Muskoka District	2: Georgian Bay Muskoka Lakes	Covers the combined municipalities of the Township of Georgian Bay and the Township of Muskoka Lakes. It also includes the communities of Wahta Mohawk First Nation and Moose Deer Point First Nation.	Bala, Beaumaris, Georgian Bay, Honey Harbour, MacTier, Milford Bay, Muskoka Lakes, Port Carling, Torrence.	
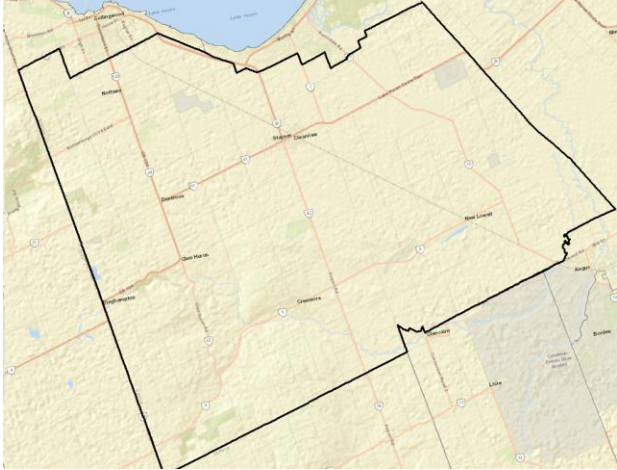
District	Area Name	Description	Communities	Map
Muskoka District	3: Bracebridge	Covers the entire Town of Bracebridge.	Alport, Bracebridge, Fraserburg, Monsell, Stephens Bay, Uffington.	
Muskoka District	4: Gravenhurst	Covers the entire Town of Gravenhurst.	Gravenhurst, Housey's Rapids, Kilworthy, Morrison Landing, Sparrow Lake, Severn Bridge.	
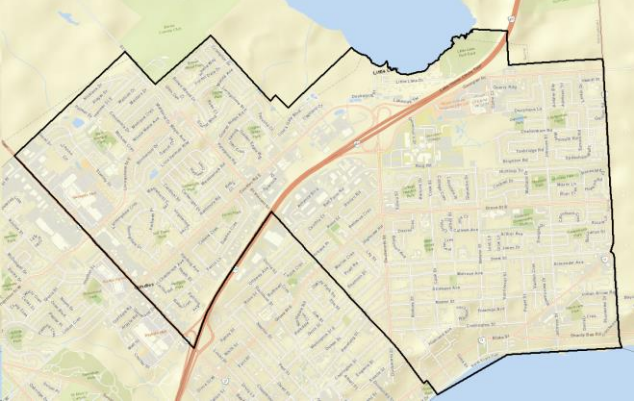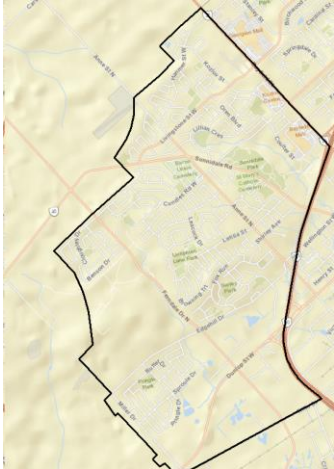
District	Area Name	Description	Communities	Map
Simcoe County	5: North West Simcoe	Covers the combined municipalities of the Township of Tiny and the Township of Tay. It also includes the community of Beausoleil First Nation.	Balm Beach, Christian Island, Lafontaine, Perkinsfield, Port McNicoll, Sturgeon Bay, Tiny, Tay, Victoria Harbour, Waubaushene, Woodland Beach, Wyebridge, Wyevale.	
Simcoe County	6: Midland Penetanguishene	Covers the combined municipalities of the Town of Midland and the Town of Penetanguishene.	Midland, Penetanguishene.	
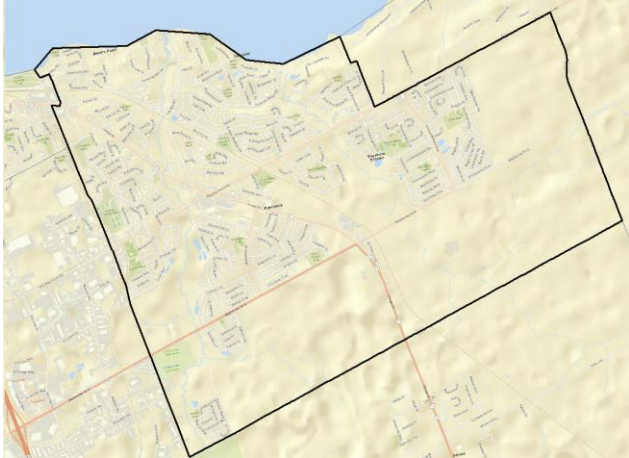
District	Area Name	Description	Communities	Map
Simcoe County	7: North East Simcoe	Covers the combined municipalities of the Township of Severn and the Township of Ramara. It also includes the community of the Chippewas of Rama First Nation.	Atherley, Brechin, Coldwater, Cumberland Beach, Longford Mills, Port Severn, Ramara, Severn, Uptergrove, Rama, Washago.	
Simcoe County	8: Orillia	Covers the entire City of Orillia.	Orillia.	
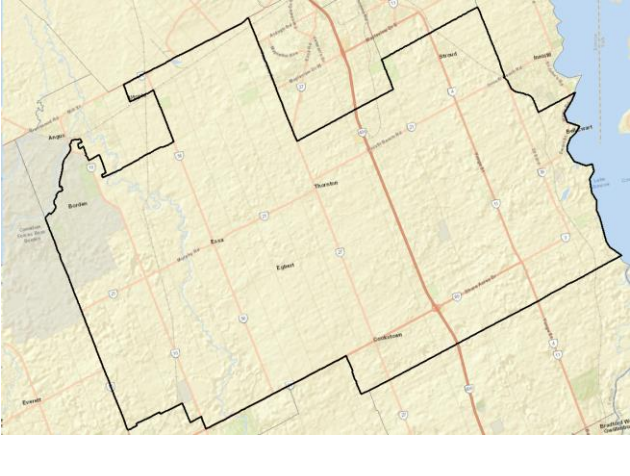
District	Area Name	Description	Communities	Map
Simcoe County	9: Oro-Medonte	Covers the entire Township of Oro-Medonte.	Craighurst, Hawkestone, Horseshoe Valley, Oro-Medonte, Oro Station, Shanty Bay.	
Simcoe County	10: Springwater	Covers the entire Township of Springwater.	Elmvale, Hillsdale, Midhurst, Minesing, Phelpston.	

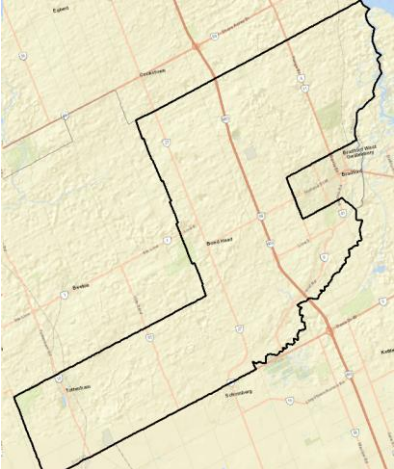| District	Area Name	Description	Communities	Map
Simcoe County	11: Collingwood	Covers the entire Town of Collingwood.	Collingwood.	
Simcoe County	12A: Wasaga Beach	Covers the entire Town of Wasaga Beach.	Wasaga Beach.	

District	Area Name	Description	Communities	Map
Simcoe County	12B: Clearview	Covers the entire Township of Clearview.	Avening, Brentwood, Creemore, Dunedin, Glen Huron, Lavender, New Lowell, Nottawa, Singhampton, Stayner.	
Simcoe County	13: Barrie - Central	Covers the downtown and waterfront portion of Barrie east of Highway 400, north of Little Avenue, and west of St. Vincent Street	Allandale.	

District	Area Name	Description	Communities	Map
Simcoe County	14: Barrie - North East	Covers the portion of Barrie east of Bayfield and St. Vincent, with Springwater to the north, Oro-Medonte to the east. It also includes the portion of the waterfront east of St. Vincent to border of Oro-Medonte.	Cundles, Little Lake.	
Simcoe County	15: Barrie - North West	Cover the portion of Barrie west of Highway 400 and north of Tiffin Street to the border of Springwater Township.	Letitia Heights.	

District	Area Name	Description	Communities	Map
Simcoe County	16: Barrie - South East	Covers the portion of Barrie east of Yonge Street to the Town of Innisfil boundary. This also includes the portion of the waterfront east of Minet's Point Road.	Bayshore Estates, Minet's Point, Painswick, St. Pauls, Tollendale.	
Simcoe County	17: Barrie - South West	Covers the portion of Barrie south of Tiffin Street and west of Yonge Street to the border of Essa Township to the west and the Town of Innisfil to the south.	Ardagh Bluffs, Holly.	

District	Area Name	Description	Communities	Map
Simcoe County	18: Alcona	Covers the portion of the Town of Innisfil commonly referred to as Alcona that is east of the 20th Side Road and north of the 6th Line to the waterfront.	Alcona, Sandy Cove.	
Simcoe County	19: South Central Simcoe	Covers the majority of the Town of Innisfil (excluding Alcona) and Township of Essa (excluding Angus). This also covers the populated portion of CFB Borden.	Baxter, Belle Ewart, Belle Air Beach, Borden, Churchill, Cookstown, Egbert, Killarney Beach, Lefroy, Stroud, Thornton.	

District	Area Name	Description	Communities	Map
Simcoe County	20: Alliston	Covers the portion of the Town of New Tecumseth commonly referred to as Alliston. Bounded by the Township of Adjala-Tosorontio to the west, the Township of Essa to the north, the 14th Line to the south, and the 15th Side Road to the east.	Alliston.	
Simcoe County	21: Angus	Covers the portion of Essa Township commonly referred to as Angus. Bounded by the 25th Side Road to the south, CFB Borden to the west, Highway 56 to the east, and Clearview Township to the north.	Angus.	

District	Area Name	Description	Communities	Map
Simcoe County	22A: South West Simcoe	Covers the entire Township of Adjala-Tosorontio and the portion of the Town of New Tecumseth that is south of the 14th Line and north of the 5th Line.	Adjala-Tosorontio, Beeton, Everett, Glencairn, Lisle, Loretto, Rosemont.	
Simcoe County	22B: South East Simcoe	Covers the portion of the Town of New Tecumseth south of the 5th Line to Highway 9 and the Town of Bradford West-Gwillimbury excluding the most populated portion of Bradford that runs east of Sideroad 10, south of Line 8, north of Line 6, with York region to the east.	Bond Head, Tottenham	

District	Area Name	Description	Communities	Map
Simcoe County	23: Bradford	Covers the portion of the Town of Bradford West-Gwillimbury that runs east of Sideroad 10, south of Line 8, north of Line 6, with York region to the east. This area is commonly referred to as Bradford.	Bradford.	