

Table S1. Description of data sources and attribute fields relevant to the sampling protocol and relevant data extraction. Websites for those that were sourced online are linked in the Website column.

| Parameter | Variable Type | Unit | Attribute Field | Variable Category | Source Layer | Data Source | Websites |
|-----------|---------------|------|-----------------|--|--------------------|--|---|
| Land-use | Residential | m | PROP_CODE | 301, 302, 303, 304, 305, 306, 307, 309, 311, 313, 314, 322, 332, 333, 334, 335, 336, 340, 341, 350, 352, 360, 361, 366, 368, 370, 371, 372, 373, 374, 375, 378, 379, 380, 383, 385, 386, 601, 602, 605, 608, 610, 611, 621, 623, 624, 625, 626, 627, 630, 631, 632 | Land_Parcels_UTM83 | City of Windsor, 2019 County of Essex, 2019 | https://opendata.citywindsor.ca/Details/204 |
| | Commercial | m | PROP_CODE | 400, 401, 402, 403, 405, 406, | Land_Parcels_UTM83 | City of Windsor, 2019 | https://opendata.citywindsor.ca/Details/204 |

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|--|-------|---|-----|--|---|--------------------------|---|
| | | | | 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 422, 423, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 441, 444, 445, 446, 447, 448, 450, 451, 460, 461, 462, 465, 470, 471, 472, 473, 475, 476, 477, 478, 514, 516, 521, 535, 575, 580, 621, 704, 705, 710, 711, 703, 718, 720, 722, 725, 726, 733 | | County of Essex, 2019 | |
| | Waste | m | N/A | N/A | _ags _DMTI_ 2019_ CMCS _ LiquidDepotDumpRegion ; | Scholars GeoPortal, 2020 | Windsor: https://geo2.scholarsportal.info/#r/details/_uri@=18787362 Essex County: https://geo2.scholarsportal.info/#r |

| | | | | | | | |
|----------------|------------------------------------|----------------------|-----------------|--|--|--|---|
| | | | | | _ags _DMTI_ 2019_ CMCS_ SolidDepotDumpRegion | | /details/_uri@=6232871 |
| | Wooded Area | m | N/A | N/A | WOODAREA | Ontario GeoHub, 2012 | https://geohub.lio.gov.on.ca/datasets/lio::wooded-area/explore?location=50.926000%2C-84.745000%2C4.98 |
| | Livestock Farms | # of livestock farms | Livestock Farms | Addresses | N/A | N/A | |
| Traffic | Roads | m | RDCLASS | All classes | Street_Centerline_UTM83 | City of Windsor Open Data Catalogue, 2019 County of Essex open data catalogue, 2019 | Windsor: https://opendata.citywindsor.ca/details/215 Essex County: https://opendata.countyofessex.ca/datasets/essexcounty::streetcenterline/about |
| | Traffic Volume (Low, Medium, High) | m | RDCLASS | Low: Local roads Medium: Arterial and collector High: Highways, and expressways | Street_Centerline_UTM83 | City of Windsor Open Data Catalogue, 2019 County of Essex open data catalogue, 2019 | Windsor: https://opendata.citywindsor.ca/details/215 Essex County: https://opendata.countyofessex.ca/datasets/essexcounty::streetcenterline/about |

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|-----------------|---------------------------|---|------------------------|--|-----|---|--|
| Roadkill | Dead Animal Removal | Dead animals and their locations | Dead animal density | Low: 1-15 Medium: 15-30 High: 30-45 | N/A | City of Windsor, 2019 County of Essex, 2019 | |
|-----------------|---------------------------|---|------------------------|--|-----|---|--|