Corporate Production GIS Metadata

Kitchener GeoHub | Open Data Metadata Home

Layer Name: Air_Quality_Readings

General Information

Layer Name:	Air_Quality_Readings
# of Features:	404483
Status:	ACTIVE
Layer Source:	GIS_DATA.AIR_QUALITY_READING
Layer Quality:	Good
Feature Accuracy:	+/- 3m
Type:	
Description:	Air Quality Reading
Projection:	NAD 83 UTM Zone 17N (EPSG 26917)
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Source and Contraints

Source Map Label:	Air Quality Reading: Corporate Services - Technology Innovation and Services - GDA (Current)
History:	
Original Source:	TIS - GeoSpatial Data and Analytics
Original Source Process:	

Maintenance:	
Current Info Source:	
Outstanding Issues:	
Update Frequency:	ON DEMAND

Data Fields & Domain Information

Air_Quality_Readings

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
OBJECTID	OBJECTID	NUMBER	ESRI system maintained integer field used to uniquely identify rows in tables in a geodatabase. Note that OBJECTIID values change upon export or import of the data and should not be used as a primary field for searching or identifying records.			
SHAPE	SHAPE	ST_GEOMETRY	ESRI system maintained field. Stores the geometry type and geometry of the feature.			
LOCATION	Location	VARCHAR2	Open text field that describes the location of the feature in more detail.			
LOCATION_NUMBER	Location number	VARCHAR2				
LOCATION_OWNER_NUMBER	Location owner number	NUMBER				
LOCATION_NAME	Location name	VARCHAR2				
LOCATION_NOTES	Location notes	VARCHAR2				
LOCATION_LATITUDE	Location latitude	NUMBER				
LOCATION_LONGITUDE	Location longitude	NUMBER				
LOCATION_ALTITUDE	Location altitude	NUMBER				
POD_NUMBER	Pod number	NUMBER				
POD_SERIAL_NUMBER	Pod serial number	VARCHAR2				
POD_PART_NUMBER	Pod part number	VARCHAR2				
POD_HEATED_INLET	Pod heated inlet	VARCHAR2				
POD_OWNER_NUMBER	Pod owner number	NUMBER				

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
POD_LATITUDE	Pod latitude	NUMBER				
POD_LONGITUDE	Pod longitude	NUMBER				
POD_ALTITUDE	Pod altitude	NUMBER				
POD_AML_DATA_SERVICE	Pod AML data service	VARCHAR2				
POD_FIRMWARE_VERSION	Pod firmware version	VARCHAR2				
FAST_TRANSMISSION	Fast transmission	VARCHAR2				
LAST_CONNECTION	Last connection	TIMESTAMP(6)				
SIM_NUMBER	SIM number	VARCHAR2				
GPS_PRESENT	GPS present	NUMBER				
GPS_STATUS	GPS status	NUMBER				
GPS_STATUS_DESCRIPTION	GPS status description	VARCHAR2				
GAS_PROTOCOL_VERSION	Gas protocol version	VARCHAR2				
GAS_P1	Gas sample frequency in seconds	NUMBER				
GAS_P2	Gas reading interval in seconds	NUMBER				
GAS_P3	Gas transmission frequency in seconds	NUMBER				
RE_READ_GAS_REQUEST	Reread gas request	VARCHAR2				
LAST_GAS_READING_NUMBER	Last gas reading number	VARCHAR2				
NEXT_GAS_REQUEST	Next gas request	VARCHAR2				
PARTICLE_PROTOCOL_VERSION	Particle protocol version	VARCHAR2				
PARTICLE_P1	Particle pump run time in seconds	NUMBER				
PARTICLE_P2	Particl reading interval time in seconds	NUMBER				

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
PARTICLE_P3	Particle transmission frequency in seconds	NUMBER				
RE_READ_PARTICLE_REQUEST	Reread particle request	VARCHAR2				
LAST_PARTICLE_READING_NUMBER	Last particle reading number	VARCHAR2				
NEXT_PARTICLE_REQUEST	Next particle request	VARCHAR2				
PROJECT_NUMBER	Project number	NUMBER				
PROJECT_NAME	Project name	VARCHAR2				
PROJECT_NOTES	Project notes	VARCHAR2				
CUSTOMER_NUMBER	Customer number	NUMBER				
CUSTOMER_NAME	Customer name	VARCHAR2				
OWNER_NUMBER	Owner number	NUMBER				
OWNER_NAME	Owner name	VARCHAR2				
READING_DATESTAMP_UTC	UTC date time	TIMESTAMP(6)				
TEMPERATURE_C	Temperature in celcius	NUMBER				
PRESSURE_MBAR	Pressure in millibars	NUMBER				
HUMIDITY_RH	Percent relative humidity	NUMBER				
NOISE_LEVEL_DB	Noise level in decibels	NUMBER				
PEAK_NOISE_DB	Peak noise level in decibels	NUMBER				
GAS_READING_NUMBER	Gas reading number	VARCHAR2				
GAS_BATTERY_VOLTAGE	Gas battery voltage	NUMBER				
CO_SENSOR_SERIAL_NUMBER	CO sensor serial number	VARCHAR2				
CO_STATE	CO state	VARCHAR2				
CO_PRESCALED_PPB	Prescaled CO ppb	NUMBER				
CO_SLOPE	CO slope	NUMBER				
CO_OFFSET	CO offset	NUMBER				
CO_SCALED_PPB	Scaled CO ppb	NUMBER				

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
CO_UNITS	CO units	VARCHAR2				
NO_SENSOR_SERIAL_NUMBER	NO sensor serial number	VARCHAR2				
NO_STATE	NO state	VARCHAR2				
NO_PRESCALED_PPB	Prescaled NO ppb	NUMBER				
NO_SLOPE	NO slope	NUMBER				
NO_OFFSET	NO offset	NUMBER				
NO_SCALED_PPB	Scaled NO ppb	NUMBER				
NO_UNITS	NO units	VARCHAR2				
SO2_SENSOR_SERIAL_NUMBER	SO2 sensor serial number	VARCHAR2				
SO2_STATE	SO2 state	VARCHAR2				
SO2_PRESCALED_PPB	Prescaled SO2 ppb	NUMBER				
SO2_SLOPE	SO2 slope	NUMBER				
SO2_OFFSET	SO2 offset	NUMBER				
SO2_SCALED_PPB	Scaled SO2 ppb	NUMBER				
SO2_UNITS	SO2 units	VARCHAR2				
NO2_SENSOR_SERIAL_NUMBER	NO2 sensor serial number	VARCHAR2				
NO2_STATE	NO2 state	VARCHAR2				
NO2_PRESCALED_PPB	Prescaled NO2 ppb	NUMBER				
NO2_SLOPE	NO2 slope	NUMBER				
NO2_OFFSET	NO2 offset	NUMBER				
NO2_SCALED_PPB	Scaled NO2 ppb	NUMBER				
NO2_UNITS	NO2 units	VARCHAR2				
O3_SENSOR_SERIAL_NUMBER	O3 sensor serial number	VARCHAR2				
O3_STATE	O3 state	VARCHAR2				
O3_PRESCALED_PPB	Prescaled O3 ppb	NUMBER				
O3_SLOPE	O3 slope	NUMBER				
O3_OFFSET	O3 offset	NUMBER				
O3_SCALED_PPB	Scaled O3 ppb	NUMBER				
O3_UNITS	O3 units	VARCHAR2				
H2S_SENSOR_SERIAL_NUMBER	H2S sensor serial number	VARCHAR2				

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
H2S_STATE	H2S state	VARCHAR2				
H2S_PRESCALED_PPB	Prescaled H2S ppb	NUMBER				
H2S_SLOPE	H2S slope	NUMBER				
H2S_OFFSET	H2S offset	NUMBER				
H2S_SCALED_PPB	Scaled H2S ppb	NUMBER				
H2S_UNITS	H2S units	VARCHAR2				
EO_SENSOR_SERIAL_NUMBER	EO sensor serial number	VARCHAR2				
EO_STATE	EO state	VARCHAR2				
EO_PRESCALED_PPM	Prescaled EO ppm	NUMBER				
EO_SLOPE	EO slope	NUMBER				
EO_OFFSET	EO offset	NUMBER				
EO_SCALED_PPM	Scaled EO ppm	NUMBER				
EO_UNITS	EO units	VARCHAR2				
CO2_SENSOR_SERIAL_NUMBER	CO2 sensor serial number	VARCHAR2				
CO2_STATE	CO2 state	VARCHAR2				
CO2_PRESCALED_PPM	Prescaled CO2 ppm	NUMBER				
CO2_SLOPE	CO2 slope	NUMBER				
CO2_OFFSET	CO2 offset	NUMBER				
CO2_SCALED_PPM	Scaled CO2 ppm	NUMBER				
CO2_UNITS	CO2 units	VARCHAR2				
PARTICLE_READING_NUMBER	Particle reading number	VARCHAR2				
PARTICLE_READING_STATUS	Particle reading status	VARCHAR2				
PARTICLE_BATTERY_VOLTAGE	Particle battery voltage	NUMBER				
PARTICLE_BATTERY_LOW	Particle battery low	VARCHAR2				
PARTICLE_SUPER_CAP_VOLTAGE	Particle super capacity voltage	NUMBER				
PARTICLE_MODEM_OVERLAP	Particle modem overlap	VARCHAR2				

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
PM10_PRESCALED_UGM3	Prescaled particles less than or equal to 10 um (microns) in diameter in ug/m3 (microgram per cubic metre)	NUMBER				
PM10_SLOPE	Particles less than or equal to 10 um (microns) in diameter in ug/m3 (microgram per cubic metre) slope	NUMBER				
PM10_OFFSET	Particles less than or equal to 10 um (microns) in diameter in ug/m3 (microgram per cubic metre) offset	NUMBER				
PM10_SCALED_UGM3	Scaled particles less than or equal to 10 um (microns) in diameter in ug/m3 (microgram per cubic metre)	NUMBER				
PM4_PRESCALED_UGM3	Prescaled particles less than or equal to 4 um (microns in diameter) in ug/m3 (microgram per cubic metre)	NUMBER				
PM4_SLOPE	Particles less than or equal to 4 um (microns) in diameter in ug/m3 (microgram per cubic metre) slope	NUMBER				

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
PM4_OFFSET	Particles less than or equal to 4 um (microns) in diameter in ug/m3 (microgram per cubic metre) offset	NUMBER				
PM4_SCALED_UGM3	Scaled particles less than or equal to 4 um (microns) in diameter in ug/m3 (microgram per cubic metre)	NUMBER				
PM2_5_PRESCALED_UGM3	Prescaled particles less than or equal to 2.5 um (microns) in diameter in ug/m3 (microgram per cubic metre)	NUMBER				
PM2_5_SLOPE	Particles less than or equal to 2.5 um (microns) in diameter in ug/m3 (microgram per cubic metre) slope	NUMBER				
PM2_5_OFFSET	Particles less than or equal to 2.5 um (microns) in diameter in ug/m3 (microgram per cubic metre) offset	NUMBER				
PM2_5_SCALED_UGM3	Scaled particles less than or equal to 2.5 um (microns) in diameter in ug/m3 (microgram per cubic metre)	NUMBER				

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
PM1_PRESCALED_UGM3	Prescaled particles less than or equal to 1 um (microns in diameter) in ug/m3 (microgram per cubic metre)	NUMBER				
PM1_SLOPE	Particles less than or equal to 1 um (microns) in diameter in ug/m3 (microgram per cubic metre) slope	NUMBER				
PM1_OFFSET	Particles less than or equal to 1 um (microns) in diameter in ug/m3 (microgram per cubic metre) offset	NUMBER				
PM1_SCALED_UGM3	Scaled particles less than or equal to 1 um (microns) in diameter in ug/m3 (microgram per cubic metre)	NUMBER				
PM_TPC_SLOPE	Particles TPC ug/m3 (microgram per cubic metre) slope	NUMBER				
PM_TPC_OFFSET	Particles TPC ug/m3 (microgram per cubic metre) offset	NUMBER				
PM_TOTAL_PRESCALED_UGM3	Prescaled particles total ug/m3 (microgram per cubic metre)	NUMBER				

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
PM_TOTAL_SLOPE	Particles total ug/m3 (microgram per cubic metre) slope	NUMBER				
PM_TOTAL_OFFSET	Particles total ug/m3 (microgram per cubic metre) offset	NUMBER				
PM_TOTAL_SCALED_UGM3	Scaled particles total ug/m3 (microgram per cubic metre)	NUMBER				
AQHI	Air quality health index	NUMBER				
QUERY_FIELD	Query field	VARCHAR2				
IN_DASHBOARD	Reading used in dashboard	VARCHAR2				
PM_TPC_PRESCALED_COUNTM3	Prescaled particle count/m3 (particle count per cubic metre)	NUMBER				
PM_TPC_SCALED_COUNTM3	Scaled particle count/m3 (particle count per cubic metre)	NUMBER				
NOX_PPB	Total NO and NO2 in ppb	NUMBER				

*Layer Quality:
SCHEMATIC - spatial representation of features are not to scale and not in accurate relative position to other features on other layers.
GENERALIZED - position of features are approximate, should not be used in conjunction with base layers (parcel fabric or Ortho-imagery)
GOOD - position of features are usually based on relative position to base layers (Ortho-imagery or parcel fabric)

Note: Dataset may not include all fields: Open Data layers will only include fields approved for sharing as open data

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