GRCA Metadata

Name: **Wetlands**

Production

General Description

Full Name	WETLAND
Abstract	This layer defines boundaries of **regulated wetland features** within the Grand River watershed. Wetland boundaries were confirmed through detailed desktop review using orthoimagery and various other data, augmented by field verification in select areas. Wetlands documented in this layer are as defined in Section 28 of the *Conservation Authorities Act* as "seasonally or permanently covered by shallow water or has a water table close to or at its surface; directly contributes to the hydrologic function of a watershed through connection with a surface watercourse; has hydric soils, the formation of which has been caused by he presence of abundant water; and, has vegetation dominated by hydrophytic plants or water tolerant plants, the dominance of which has been favoured by the presence of abundant water, but does not include periodically soaked or wet land that is used for agricultural purposes and no longer exhibits a wetland characteristic referred to in clause (c) or (d)." This layer will be used for regulation and planning purposes, conservation and restoration management, and for Natural Heritage planning. *It is NOT the purpose of this layer to document all wetland features in the watershed.*
Feature Type	Polygon
Location	SDE_GRCA
Geographic Extent	GRCA Watershed
Maintenance Status	Quarterly

Georeferencing and Accuracy

Horizontal Datum	North American Datum 1983 (EPSG: 6269)
Vertical Datum	Not Applicable
Spatial Projection	NAD83 UTM Zone 17N (EPSG: 26917)

Data Sources and Restrictions

Access Constraint	GRCA Open Data Licence v2
Use Constraint	None - in accordance with licence agreement
Citation	Produced using information under License with the Grand River Conservation Authority © Grand River Conservation Authority, 20** [** insert year of publication of IP].
Agency Originator	Grand River Conservation Authority (GRCA)
Agency Distributor	Grand River Conservation Authority (GRCA)
Online Link	https://data.grandriver.ca/downloads-geospatial.html
Related Entities	Orthoimagery 2000 Orthoimagery SWOOP 2006 Orthoimagery SWOOP 2010 Orthoimagery SWOOP 2015 Orthoimagery 2016 - RMOW Orthoimagery 2017 - KWCG Orthoimagery 2017 - Brant County Orthoimagery 2018 - RMOW Orthoimagery 2019 - KWCG Orthoimagery 2018 - Dufferin Orthoimagery SWOOP 2020 Orthoimagery 2021 - KWCG Orthoimagery 2022 - Brant County Orthoimagery 2022 - ROWG Orthoimagery 2022 - Centre Wellington Orthoimagery SWOOP 2025

Methodology	Wetland boundaries have been delineated based on research using a collection of resources including: previous GRCA digital wetland boundary locations; soils and drainage layers; Forest Resource Inventory digital data and map information; contour elevations; Ecological Land Classification (ELC) mapping; 2004 SPOT satellite imagery (where available); and interpretation of several iterations of digital orthoimagery since spring 2000. Since 2006 colour orthoimagery is commonly used as the base against which updates are made, augmented by site visits as required. Previously, in preparation for Ontario *Regulation 150/06: Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses*, this layer received a watershed wide update in 2005. All wetland boundaries were checked against the April 2000 orthoimagery. These updates were subject to in-house, peer, and public review. Refer to Related Documents for more details.
Supplemental Info	For information on wetland class (i.e. provincially significant or not) refer to the Wetland data available from Geospatial Ontario via Ontario GeoHub.
Related Documents	Regulation 41/24 Wetland Layer Update Manual [internal]

Attributes

Full Name	Alias name	Description and Values
OBJECTID	Object ID	System-managed unique identifier
WE_SOURCE	Source	• Consultant: Consultant • GRCA: GRCA • MNR: MNR
WE_CONSULT_SOURCE_TYPE	Consultant Source Type	• Comprehensive Study: e.g. Master Environmental Servicing Plan, Secondary Plan, Block Plan, Master Drainage Study, etc. • EA: Environmental Assessment • EIS: Environmental Impact Assessment • Subwatershed Study: Subwatershed Study
WE_SOURCE_REFERENCE	Source Reference	Name of source document where applicable
WE_IDENT_METHOD	Identification Method	• Detailed Field: Detailed field investigation • Imagery: Imagery (not verified) • Rapid Field: Rapid field investigation • Road: From road • Survey: Survey
WE_GRCA_VERIF_STAFF	GRCA Staff Name	Last name of GRCA staff who verified the boundary
WE_GRCA_FIELD_VERIF_DATE	GRCA Verification Date	The date which GRCA staff verified the boundary in the field
WE_BOUNDARY_EDIT_LOCATION	Boundary Edit Location	The specific location/portion of the polygon which the boundary edit was made. Use semi colon to separate different location.

Full Name	Alias name	Description and Values
WE_VERIF_IMAGERY	Imagery Source	• 2000: GRCA imagery flown spring 2000 • 2006: SWOOP imagery flown 2006 • 2010: SWOOP imagery flown spring 2010 • 2015: SWOOP imagery flown spring 2015 • 2020: SWOOP imagery flown spring 2020 • 2026: SWOOP imagery flown spring 2025 • Brant 2017: Brant County imagery flown spring 2017 • Brant 2022: Brant County imagery flown spring 2022 • Centre Wellington 2022: Twp. of Centre Wellington imagery flown spring 2022 • Dufferin 2018: Dufferin County imagery flown spring 2018 • KWCG 2017: Kitchener Waterloo Cambridge Guelph imagery flown spring 2017 • KWCG 2019: Kitchener Waterloo Cambridge Guelph imagery flown spring 2019 • KWCG 2021: Kitchener Waterloo Cambridge Guelph imagery flown spring 2021 • ROW 2016: Region of Waterloo imagery flown spring 2016 • ROW 2018: Region of Waterloo imagery flown spring 2018 • ROWG 2022: Region of Waterloo imagery flown spring 2022 • ROWG 2024: Region of Waterloo imagery flown spring 2024
WE_COMMENT	Comments	Additional note related to the wetland feature
created_user	created_user	
created_date	created_date	

Update History, last 5 (yyyy-mm-dd)

2026-09-28	Data Update: Site specific updates
2026-06-29	Data Update: Site specific updates
2026-04-01	Data Update: Site specific updates
2026-01-07	Data Update: Site specific updates
2025-11-28	Data Update: Various site specific updates

Contact Information

Contact	Supervisor of Natural Heritage

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