

Wetland W01A Physical Characteristics Raw Data Metadata

Rotation

Unique ID	W01A_IC01169
Attribute Definition	Reference describing when data was collected at a broad level (i.e., Rotation 1, Rotation 2).
Value Type	Text
Code	Rotation 1 = 2007 onward Rotation 2 = 2015 onward

ABMI Site

Unique ID	W01A_IC01180
Attribute Definition	Reference number given to each ABMI data collection site. An alphabetized suffix distinguishes a new site from the old site(s). Off grid data collection sites are appended with an OGW-ABMI prefix and a 1- or 2-digit suffix.
Value Type	Text
Format	1-4 digits & 1 letter (if necessary); OGW & 4-letter prefix, 1-4 digits, and 1-2 digit suffix

Year

Unique ID	W01A_IC00002
Attribute Definition	Collection year.
Value Type	Date
Format	YYYY

Field Date

Unique ID	W01A_IC00015
Attribute Definition	Day, month, and year data was collected.
Value Type	Date
Format	DD-Mon-YY
Missing Values	DNC = Did Not Collect VNA = Variable Not Applicable

Field Crew Member(s)

Unique ID	W01A_IC00379
Attribute Definition	Initials for the field technicians collecting the field data.

Value Type	Text
Format	2 or 3 letters (UPPERCASE) and 1 number (if necessary); 1 set of initials or a combination of many
Missing Values	DNC = Did Not Collect VNA = Variable Not Applicable

Wetland Elevation (m)

Unique ID	W01A_IC01080
Attribute Definition	Height of the wetland above sea level, in metres. Obtained from Alberta Sustainable Resource Development Digital Elevation Model (DEM).
Value Type	Number
Unit	metre
Missing Values	DNC = Did Not Collect

Bathymetry Transect

Unique ID	W01A_IC00112
Attribute Definition	Notes the bathymetry transect where physical characteristics are recorded. [2017-2018] For wetlands <15 hectares in size [was 10 ha from 2007-2011], the bathymetry primary axis traverses the long axis of the wetland including the open water zone only with no length restriction. In wetlands >15 hectares [was 10 ha from 2007-2011], the primary axis follows a fixed line out to a distance of 300 metres from the edge of the emergent vegetation/open water interface. For wetlands <15 hectares, the bathymetry secondary axes 1 and 2 are perpendicular to, and equally spaced, along the primary axis. For wetlands >15 hectares, secondary axes 1 and 2 extend for 300m from the emergent/open water interface into open water, starting 300m in a clockwise and counter clockwise direction from the primary axis. [2019 onward] Bathymetry data were collected along the primary axes, wetland centre (wetlands <15 ha) and at supplementary points only.
Value Type	Code
Code	Primary Axis Secondary Axis 1 Secondary Axis 2 Wetland Centre [2019 onward] Supplementary Point [2019 onward]

Transect Length (metres)

Unique ID	W01A_IC00342
Attribute Definition	Length (in metres) of transect sampled.
Value Type	Number

Unit metre
 Missing Values DNC = Did Not Collect | PNA = Protocol Not Applicable

Transect Segment

Unique ID W01A_IC00347
 Attribute Definition For each transect, the location where water depth is measured. [2007-2018; Rotation 1] For wetlands <15 ha, water depth is measured at the start and end of the bathymetry primary axis as well as at 11 points equally spaced along the axis. For bathymetry secondary axes 1 and 2, water depth is measured at the start and end of the transects as well as at 7 equally spaced points along each of these two transects. For wetland >15 ha, secondary axes water depths are measured at the start and end of each of the transects as well as at 11 points equally spaced along each axis. [2015-2018 Rotation 2] Bathymetric point locations along the original transect surveyed in Rotation 1 may have points proceeding and succeeding the originally sampled Start (e.g. -1,-2, -3 etc.) and End Points (e.g. 13, 14, 15 etc. for primary and 9, 10, 11 for secondary transects). Points labeled X.5 indicate the collection of a new shoreline point. [2019 onward, Rotation 1] For wetlands <15ha, water depth is measured at wetland centre, one point 1/3 and one point 2/3 along the primary axis of the wetland. Collection at supplementary points is permitted. For wetlands <15ha, depth is at 100 m, 200 m, and 300 m along the primary axis, which follows the Fixed Transect line into open water.

Value Type Code
 Code -10 | -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | Start | 0.5 | 1 | 1.5 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 5.5 | 6 | 6.5 | 7 | 7.5 | 8 | 8.5 | 8/End | 9 | 9.5 | 10 | 10.5 | 11 | 11.5 | End | 13 | 13.5 | 14 | 14.5 | 15 | 15.5 | 16 | 16.5 | 17 | 17.5 | 18 | 18.5 | 19

Point

Unique ID W01A_IC01308
 Attribute Definition One of at least three locations measured to search for the deepest point in the wetland. The three main location measured are wetland center, and two points 1/3 and 2/3 along the primary axis of the wetland. Additional points may be collected if deeper water is observed in locations other than the three original points.

Value Type Code
 Code A | B | C | D | E | F | G
 Missing Values PNA = Protocol Not Applicable

Depth (metres)

Unique ID	W01A_IC01081
Attribute Definition	Depth of water (in metres).
Value Type	Number
Unit	metre
Missing Values	DNC = Did Not Collect VNA = Variable Not Applicable