Wetland W06 Aquatic Invertebrates Collection Raw Data Metadata

Rotation

Unique ID	W06_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	W06_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	W06_IC00002
Attribute Definition	Collection year.
Value Type	Date
Format	YYYY

Field Date

Unique ID	W06_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	W06_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

Sample Location

Unique ID	W06_IC00281
Attribute Definition	Location of invertebrate sample. A total of 10 samples are taken from 4 locations, including: emergent/open water interface, deep water point, 25m to open water, 50m to open water, fixed transect line, and additional transect line 1.
Value Type	Code
Code	EMG/OPW = Emergent/Open Water Interface | 25m to OPW [2009 onward] | 50m to OPW [2009 onward] | DP = Deepest Point | Fixed Transect Line [2007-08] | Additional Transect Line 1 [2007-08]

Transect

Unique ID	W06_IC00339
Attribute Definition	Transect in which invertebrate were collected.
Value Type	Code
Code	Fixed = Fixed Transect Line | T2 = Invertebrate Transect 2 | T3 = Invertebrate Transect 3 | DP = Deepest Point Transect
Missing Values	PNA = Protocol Not Applicable

Water Depth (m)

Unique ID	W06_IC00366
Attribute Definition	Depth of the water, in metres, at each sample location.
Value Type	Number
Format	Number
Unit	metre
Missing Values	DNC = Did Not Collect | VNA = Variable Not Applicable

Ecosite - Nutrient/Moisture Code

Unique ID	W06_IC00162
Attribute Definition	Nutrient and moisture code for the ecological site classification of a vegetated site based on the dominant vegetation community that is present.

Value Type	Code
Code	1 - PX = Poor/Xeric - Bearberry, Lichen, Bog Cranberry common at some sites. | 2 - PM = Poor/Mesic - Labrador Tea, Feather Moss, Bog Cranberry, Bilberry, and Grouse-berry common at some sites. | 3 - MX = Medium/Xeric - Hairy Wild Rye, Bearberry, Canada Buffalo-berry, and Feather Moss common at some sites. | 4 - MM = Medium/Mesic - Low-bush Cranberry, Canada Buffalo-berry, Blueberry, Alder, Rose, Saskatoon, Labrador Tea, Bearberry, Thimbleberry, Bog Cranberry, and Feather Moss may be common at some sites. | 5 - MG = Medium/Hygric - Horsetail, Dogwood, Rose, Willow, and Feather Moss common at some sites. | 6 - RG = Rich/Hygric - Dogwood, Fern, Feather Moss, Rose, Alder, Bracted Honeysuckle, Devil's Club, Fir common at some sites. | 7 - NT = Not Treed. | 8 - PD = Bog - Poor/Hydric - Labrador Tea, Peat Moss, Lichen, Bog Cranberry and Cloudberry may also be present (Soil saturated for part or all of the year. Undecomposed organic soil substrate). | 9 - MD = Poor Fen - Medium/Hydric - Labrador Tea, Peat Moss, Sedge, Bog Cranberry, Dwarf Birch and Willow may also be present (Soil saturated for part or all of the year. Undecomposed organic soil substrate). | 10 - RD (2005-2014) = Rich Fen - Rich/Hydric - Dwarf Birch, Willow, Sedge, Grass, Moss (soil saturated for part or all of the year; includes floating mats of vegetation). | 10 - RDp (2015-later) = Rich Fen - Rich/Hydric - Dwarf Birch, Willow, Sedge, Grass, Moss (Soil saturated for part or all the year; undecomposed organic soil substrate; includes floating mats of vegetation). | 10.5 - RDm = Wet Meadow - Rich/Hydric - Dominated by sedge, grass, presence of shrub and trees (e.g. willow). Conductivity <15mS/cm; soil, saturated for part or all of the year. Well decomposed, organic soil substrate. | 11 - VD = Marsh - Very Rich/Hydric - Cattail, Rush, Reed. Conductivity <15 mS/cm, sedge and grass may also be present (Water is above the rooting zone for most or all of the year). | 12 - SD = Swamp - Trees and shrubs present, poorly developed bryophytes, often with pools of water (Water is above the rooting zone for some of the year, mineral or humified organic soil rather than peaty) | 13 - AD = Alkali - Conductivity >15 mS/cm, white salt flats at water's edge, (Water is above the rooting zone for most or all of the year). | 14 - OW = Open Water - No trees.
Missing Values	DNC = Did Not Collect | PNA = Protocol Not Applicable | VNA = Variable Not Applicable

Ecosite - Tree Species Modifier

Unique ID	W06_IC00164
Attribute Definition	At every vegetation sampling location, the tree species modifier is used to classify the site if trees are present and is combined with the moisture/nutrient category to give an ecological site classification.

Value Type	Code
Code	01a Pine = Jack Pine + Douglas Fir >80% | 02a Pine = Jack Pine + Lodgepole Pine >50% | 02b Other = Aspen + White Spruce + Engelmann Spruce + Subalpine Fir + Western White Pine >50% | 02c Sb = Black Spruce >50% | 03a None = No Trees | 03b Pine = Jack Pine + Lodgepole Pine >50% | 03c AwMix = Aspen >20% | 03d Spruce = White Spruce + Engelmann Spruce + Subalpine Fir >50% | 04a Pine = Jack Pine + Lodgepole Pine + Subalpine Fir >50% | 04b PjMix = Aspen + White Birch + White Spruce > 20% AND Jack Pine >/=20% | 04c Aw = Aspen >50% | 04d AwMix = Aspen > 20% AND White Spruce + Black Spruce + Lodgepole Pine >20% | 04e Spruce = White Spruce >50% | 05a Poplar = Balsam Poplar + Aspen >50% | 05b Spruce = White Spruce + Engelmann Spruce >50% | 05c Sb = Black Spruce >50% | 06a Pine = Lodgepole Pine >50% | 06b Poplar = Balsam Poplar + Aspen >50% | 06c Spruce = White Spruce + Engelmann Spruce + Subalpine Fir >50% | 07a Alpine = Elevation above tree line | 07b Flood = Site disturbed frequently by flooding | 07c Ice = Site disturbed frequently by ice or snow | 07d Dry = Site in prairies/parkland and receives little precipitation | 07e Geo = Geological features not suitable for tree growth | 07f Human = Site disturbed recently by humans | 08a Sb = >/=10% tree cover (may only be in shrub/ground strata), Black Spruce >50% | 08b Shrub = <10% tree cover | 09a SbLt = >/=10% tree cover (may only be in shrub/ground strata), Black Spruce + Tamarack >50% | 09b Shrub = <10% tree cover | 10a SbLt = >/=10% tree cover (may only be in shrub/ground strata), Black Spruce + Tamarack >50% | 10b Shrub = <10% tree cover AND >/=10% shrub cover | 10c None = <10% tree cover AND <10% shrub cover | 10.5a Tree = >/=10% tree cover (usually along wetland edge; may only be in shrub/ground strata | 10.5b Shrub = <10% tree cover AND >/=10% shrub cover | 10.5c None = <10% tree cover AND <10% shrub cover | 11a None = usually along a water body edge >/=10% emergent vegetation cover, <10% tree cover | 12a Tree = >10% tree cover | 12b Shrub = <10% tree cover | 13a None = <10% shrub/tree cover | 14a Lake = In standing water <10% emergent vegetation cover | 14b River = In flowing water <10% emergent vegetation cover
Missing Values	DNC = Did Not Collect | PNA = Protocol Not Applicable | VNA = Variable Not Applicable

Ecosite - Structural Stage

Unique ID	W06_IC00163

Attribute Definition	Describes the structure stage of the ecosite, as determined after the ecological-site type has been designated i.e. the nutrient/moisture code designation and tree species modifier. The structure stage code starts with a number that defines 1) tree-dominated, 2) non-tree dominated, or 3) open water ecosites. The subsequent letter codes further describe the ecosite structure, in terms of type of vegetation (or dominant substrate type for non-vegetated sites), as well as height and density of vegetation.
Value Type	Code
Code	For full explanation of the code definitions, see Terrestrial/Wetland Metadata Appendix: Detailed Code Definitions. 1) = Tree Dominated Ecosites | Tree Height: TS = Short | TT = Tall | Tree Density: D = Dense | S = Sparse | Tree Arrangement: C = Complex | N = Non-Complex | 2) = Non-Tree Dominated Ecosites | N = Non-Vegetated | Substrate Type: R = Rock | S = Sand | B = Beach | M = Mineral Soil | O = Organic Soil | G = Ground Vegetation Only: | Vegetation Type: B = Bryoid/Lichen | F = Forbs | G = Graminoid | R = Reeds and Rushes (Marsh) | Vegetation Density: D = Dense | M = Moderate | S = Sparse | S = Shrubs present | Shrub Height: L = Low | T = Tall | Shrub Density: D = Dense | M = Moderate | S = Sparse | 3) = Open Water Dominated Communities | Vegetation Type: OV = Vegetated | ON = Non-Vegetated | Vegetation Height: S = Short Submerged | M = Medium Submerged | T = Tall Submerged | F = Floating | Vegetation Density: D = Dense | M = Moderate | S = Sparse
Missing Values	DNC = Did Not Collect | PNA = Protocol Not Applicable | VNA = Variable Not Applicable