Wetland W03A Riparian Characteristics (2007-2012) Raw Data Metadata

Rotation

Unique ID	W03A_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	W03A_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	W03A_IC00002
Attribute Definition	Collection year.
Value Type	Date
Format	YYYY

Field Date

Unique ID	W03A_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	W03A_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

Zone

Unique ID	W03A_IC00980
Attribute Definition	Wetland zone where riparian characteristics are recorded.
Value Type	Code
Code	Emergent | Fen | Margin
Missing Values	DNC = Did Not Collect | VNA = Variable Not Applicable

Quadrant

Unique ID	W03A_IC00263
Attribute Definition	The wetland is divided into four quadrants for sampling. The quadrants in wetlands <15 hectares originate in the centre of the wetland and extend in the four cardinal directions (i.e. N, E, S, W). Quadrants in wetlands >15 hectares are anchored along the primary axis with two quadrants located in a counterclockwise (quadrants 1 and 2) direction and two in clockwise (quadrants 3 and 4) direction; each quadrant bounded by 300 metre lines extending toward the shoreline.
Value Type	Code
Code	(1) North | (2) East | (3) South | (4) West

Ecosite - Nutrient/Moisture Code

Unique ID	W03A_IC01059
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 and Juniper may be common at some sites. | 2 - PM = Poor/Mesic - Labrador Tea/Feather Moss: Bog Cranberry, Bilberry, and Grouse-berry may be common at some sites. | 3 - MX = Medium/Xeric - Hairy Wild Rye: Bearberry, Canada Buffalo-berry, and Feather Moss may be common at some sites. | 4 - MM = Medium/Mesic - Low-bush Cranberry/Canada Buffalo-berry: Blueberry, Alder, Rose, Saskatoon, Labrador Tea, Bearberry, Thimbleberry, Bog Cranberry, Willow, Fir, and Feather Moss may be common at some sites. | 5 - MG = Medium/Hygric - Horsetail: Dogwood, Alder, Rose, Low-bush Cranberry, Labrador Tea, Willow, and Feather Moss may be common at some sites. | 6 - RG = Rich/Hygric - Dogwood/Fern/Feather Moss: Rose, Alder, Bracted Honeysuckle, Devil's Club and Fir may be common at some sites. | 7 - NT = Not Treed. | 8 - PD = Poor/Hydric - Bog - Labrador Tea/Peat Moss/Lichen (soil saturated for part or all of the year): Bog Cranberry and Cloudberry may be common at some sites. | 9 - MD = Medium/Hydric - Poor Fen - Labrador Tea/Peat Moss/Sedge (soil saturated for part or all of the year): Bog Cranberry, Dwarf Birch and River Alder may be common at some sites. | 10 - RD = Rich/Hydric - Rich Fen - Dwarf Birch/Willow/Sedge/Grass/Moss (soil saturated for part or all of the year; includes floating mats of vegetation). | 10 - RDp = Rich Fen - Dwarf Birch/Willow/Sedge/Grass/Moss | 10.5 - RDm = Rich/Hydric - Wet Meadow | 11 - VD = Very Rich/Hydric - Marsh - Cattail/Rush/Reed (water is above the rooting zone for part or all of the year; water salinity is less than 15mS/cm). | 12 - SD = Swamp - (water is above the rooting zone for some of the year; water salinity is less than 15mS/cm): trees and shrubs present. | 13 - AD = Alkali - White salt flats at water's edge: Saltwater Widgeon Grass dominates (water is above the rooting zone for most of the year; water salinity is more than 15mS/cm). | 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	W03A_IC01060
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	W03A_IC01061

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

Number of Dead Trees

Unique ID	W03A_IC00219
Attribute Definition	Number of dead trees in each wetland zone with a DBH (Diameter breast height) >15 cm.
Value Type	Code
Code	0 = no dead trees with a DBH >15cm | 1-5 = between 1 and 5 dead trees with a DBH >15cm | 6-25 = between 6 and 25 dead trees with a DBH >15cm | 26-100 = between dead trees with a DBH >15cm | >100 = more than 100 dead trees with a DBH >15cm
Missing Values	DNC = Did Not Collect | VNA = Variable Not Applicable