Terrestrial T01C Site Capability Raw Data Metadata

Rotation

Unique ID	T01C_IC00001
Attribute Definition	Reference describing when data was collected at a broad level (i.e., Prototype, Rotation 1, Rotation 2). The rotation number indicates the visit number (i.e. 1 = first visit, 2 = second visit or first revisit).
Value Type	Text
Code	Prototype = 2003--2006 | Rotation 1 = 2007 onward | Rotation 2 = 2015 onward

ABMI Site

Unique ID	T01C_IC00003
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 OG prefix, 2 -5 letter project code prefix, and a 1-2 digit suffix.
Value Type	Number
Format	1-4 digits & 1 letter (if necessary); OG & 2-5 letter prefix, 1-4 digits, and 1-2 digit suffix
Range	1-1656; OG & 2-5 letter prefix (if applicable)

Year

Unique ID	T01C_IC00002
Attribute Definition	Collection year.
Value Type	Date
Format	YYYY

Field Date

Unique ID	T01C_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	T01C_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

Collection Methodology

Unique ID	T01C_IC01141
Attribute Definition	Method used to collect ecosite data; based on how bird recording data is collected. For the nine Bird Point Count Stations a 150m radius is assessed, while a 50m radius is assessed for sites installed with Audio Recording Units (ARUs).
Value Type	Code
Code	1 = Bird Point Count Points (2003-2015) | 2 = ARU Points (2015 onward) | 3 = Linear Off-Grid ARU Points (2015) | 4 = OGC Off-Grid ARU Points (2015)

Point Count Station

Unique ID	T01C_IC00248
Attribute Definition	Location where site capability information was recorded. There are 9 point count stations established per ABMI site with #1 being site centre and the remainder of the stations arranged around site centre at 300 m intervals.
Value Type	Number
Format	1 digit
Code	1 = point count station 1 | 2 = point count station 2 | 3 = point count station 3 | 4 = point count station 4 | 5 = point count station 5 | 6 = point count station 6 | 7 = point count station 7 | 8 = point count station 8 | 9 = point count station 9
Missing Values	VNA = Variable Not Applicable

Subpoint

Unique ID	T01C_IC01009
Attribute Definition	Classification of ecosite types into primary (most common) and secondary.
Value Type	Code

Code	P = Primary | S = Secondary

Time Period

Unique ID	T01C_IC01131
Attribute Definition	C=Current ecosite | H=Historical ecosite
Value Type	Text

Ecosite - Nutrient/Moisture Code

Unique ID	T01C_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	T01C_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	T01C_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

Percent Area of Ecological Site Classification

Unique ID	T01C_IC01075
Attribute Definition	Percent of the area surrounding the ABMI site/point count station described by the primary and secondary ecological site classification (10% increments).
Value Type	Number
Format	2 digits
Range	0-100%
Unit	percent
Missing Values	DNC = Did Not Collect | PNA = Protocol Not Applicable | VNA = Variable Not Applicable