

Terrestrial T02A Surface Substrate Raw Data Metadata

Rotation

Unique ID	T02A_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	T02A_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	T02A_IC00002
Attribute Definition	Collection year.
Value Type	Date
Format	YYYY

Field Date

Unique ID	T02A_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	T02A_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

Transect (North/South)

Unique ID	T02A_IC00340
Attribute Definition	Indicates the transect (north or south) where the surface substrate was sampled.
Value Type	Code
Format	1 letter (UPPERCASE)
Code	N = North S = South
Missing Values	DNC = Did Not Collect

Sample Position (metres)

Unique ID	T02A_IC00284
Attribute Definition	Location along the 30 metre transect where surface substrate was measured. In lowland areas (i.e., black spruce bogs) we recorded depth every 4 metres along each transect rather than every 2 metres.
Value Type	Code
Format	1-2 digits
Code	2 4 6 8 10 12 14 16 18 20 22 24 26 28 30

Organic Depth (centimetres)

Unique ID	T02A_IC00224
Attribute Definition	Depth (in centimetres) of the organic layer of soil, taken in 0.5 cm increments. We defined organic matter as the litter, fermented, and humus (LFH) layer of the soil horizon. Variations in methodology apply.
Value Type	Number
Format	1-4 digits
Range	<1, 0-500
Unit	centimetre

Missing Values DNC = Did Not Collect | VNA = Variable Not Applicable

Buried Wood Depth (centimetres)

Unique ID	T02A_IC00114
Attribute Definition	Depth (in centimetres) of wood in all decay stages found >50% below the surface. Wood that has organic material growing over it (i.e. decay stage 5) and is <10 centimetres thick is considered organics.
Value Type	Number
Format	2-4 digits
Range	0.0-500.0
Unit	centimetre
Missing Values	DNC = Did Not Collect VNA = Variable Not Applicable

Description

Unique ID	T02A_IC01077
Attribute Definition	Description of reason for partial sample.
Value Type	Text
Format	1-7 letters (Uppercase)
Code	B = Bedrock B-S = Bedrock - Side Sample D = Large Down Woody Material (DWM) D-S = Large DWM - Side Sample HF = Hit Frost HO = Hit Object M = Mineral Soil M-S = Mineral Soil - Side Sample R = Rocks, Cobbles and Stones R-S = Rock - Side Sample W = Water W-S = Water - Side Sample None = Full Sample Taken LFH>40 [2010 only] = LFH layer is greater than 40cm deep, measurements taken every 4 metres
Missing Values	DNC = Did Not Collect VNA = Variable Not Applicable

Slope

Unique ID	T02A_IC01038
Attribute Definition	Position of the transect with respect to the slope.
Value Type	Code

Code	C = Crest - situated in a relatively level area on the top of a hill S1 = Slope - situated on the side of a hill, a modifier of 1 indicates slopes of 2-5 degrees, S2 = Slope - situated on the side of a hill, a modifier of 2 indicates slopes of 6-10 degrees, S3 = Slope - situated on the side of a hill, a modifier of 3 indicates slopes of 11-30 degrees, S4 = Slope - situated on the side of a hill, a modifier of 4 indicates slopes of >30 degrees, T = Toe - situated at the bottom of a hill where the ground surface transitions from a slope to level L = Level - situated in an area with <2 degrees slope D = Depression - situated in an area that accumulates water after rains
Missing Values	DNC = Did Not Collect PNA = Protocol Not Applicable VNA = Variable Not Applicable

Aspect (degrees)

Unique ID	T02A_IC01039
Attribute Definition	Direction of the slope, measured by a compass.
Value Type	Number
Range	0-359
Unit	degree
Missing Values	DNC = Did Not Collect PNA = Protocol Not Applicable VNA = Variable Not Applicable