Terrestrial T09 Trees, Snags and Stumps Raw Data Metadata

Rotation

Unique ID	T09_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	T09_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	T09_IC00002
Attribute Definition	Collection year.
Value Type	Date
Format	YYYY

Field Date

Unique ID	T09_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	T09_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

Quadrant

Unique ID	T09_IC00261
Attribute Definition	Quadrant of the site that trees, snags, and stumps were measured.
Value Type	Code
Format	2-letter code (UPPERCASE)
Code	NE = Northeast Quadrant | SE = Southeast Quadrant | SW = Southwest Quadrant | NW = Northwest Quadrant
Missing Values	DNC = Did Not Collect | VNA = Variable Not Applicable

Plot

Unique ID	T09_IC00244
Attribute Definition	Indicates which plot (nested) trees, snags, and stumps were measured. Small trees/snags measured in 5 x 5 metre plot; medium-large trees/snags/stumps measured in 5 x 5 and 10 x 10 metre plots; large trees/snags/stumps measure in 5 x 5, 10 x 10, and 25 x 25 metre plots.
Value Type	Code
Format	1-letter code (UPPERCASE)
Code	S = Small Plot (5 x 5 m) | M = Medium Plot (10 x 10 m) | L = Large Plot (25 x 25 m), 2003-2006 25 x 50 m
Missing Values	DNC = Did Not Collect | VNA = Variable Not Applicable

Plot Area (metres squared)

Unique ID	T09_IC00245
Attribute Definition	Indicates the plot area in which trees, snags, and stumps were measured; area calculated from the size of the tree/snag/stump plots and expressed in square metres.
Value Type	Code
Code	25 | 100 | 625 | 1250 [2003-2006]

Missing Values   VNA = Variable Not Applicable

Common Name

Unique ID   T09_IC00122
Attribute Definition   Common name of tree, snag, or stump species encountered within the plot.
Value Type   Text
Missing Values   DNC = Did Not Collect | VNA = Variable Not Applicable | NONE = Absent from Survey Area | PNA = Protocol Not Applicable | SNI = Species Not Identified | SNR = Species Needs Review | UID = Unable to Identify

Scientific Name

Unique ID   T09_IC00286
Attribute Definition   Scientific name of tree, snag, or stump species encountered within the plot.
Value Type   Text
Missing Values   DNC = Did Not Collect | VNA = Variable Not Applicable | NONE = Absent from Survey Area | PNA = Protocol Not Applicable | SNI = Species Not Identified | SNR = Species Needs Review | UID = Unable to Identify

Taxonomic Resolution

Unique ID   T09_IC00310
Attribute Definition   Resolution to which tree, snag, or stump was identified (e.g. Family, Genus, Species etc.).
Value Type   Text
Missing Values   VNA = Variable Not Applicable

Unique Taxonomic Identification Number

Unique ID   T09_IC00357
Attribute Definition   Globally unique identifier of tree, snag, or stump species encountered within the plot. Unique taxonomic identifiers are generally taken from the International Taxonomic Information System (ITIS; http://www.itis.gov/) .
Value Type   Number
Missing Values   VNA = Variable Not Applicable

Condition

Unique ID	T09_IC00124
Attribute Definition	Classification of encountered tree species as Alive, Dead (snag >=1.3 metres high), or Stump (<1.3 metres high).
Value Type	Code
Code	Alive | Dead | Stump
Missing Values	DNC = Did Not Collect | VNA = Variable Not Applicable

DBH (centimetres)

Unique ID	T09_IC00143
Attribute Definition	Diameter of tree or snag at breast height (1.3 metre) and inside Diameter (no bark) of stumps. DBH is measured in 0.1 cm increments for trees/snags/stumps <= 7 cm in DBH and in 0.5 cm increments for trees/snags/stumps >7 cm in DBH. Prior to 2012, increments of 0.1 cm were used for all DBH measurements.
Value Type	Number
Unit	centimetre
Missing Values	DNC = Did Not Collect | VNA = Variable Not Applicable

Decay Class

Unique ID	T09_IC00145
Attribute Definition	Decay classification given to snags (dead trees), and stumps based on 6 stages of decay.
Value Type	Code
Code	1 = Recently killed, all twigs/branches present, wood hard, bark (normally) intact. | 2 = Twigs and small branches missing (major branches remain), wood hard. | 3 = No branches, bole mostly intact, wood starting to soften. | 1-2S = Recently killed, wood hard, bark (normally) intact. | 3S = Wood starting to soften. | 4S = Wood soft throughout the snag.
Missing Values	DNC = Did Not Collect | VNA = Variable Not Applicable

Top Height (metres)

Unique ID	T09_IC00319
Attribute Definition	Height of tree or snag to the top, and stumps in 0.1 metre increments.
Value Type	Number
Range	>/ = 0.1 m

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

Base Height (metres)

Unique ID	T09_IC00111
Attribute Definition	Height to the crown base of live trees, in 0.1 metre increments.
Value Type	Number
Range	>/ = 0.1 m
Unit	metre
Missing Values	DNC = Did Not Collect | PNA = Protocol Not Applicable | VNA = Variable Not Applicable

Height Measured/Estimated

Unique ID	T09_IC00182
Attribute Definition	Indicates whether field staff measured or estimated the Top Heights of all applicable trees and Base Heights of Medium-Large trees if sub-sampling occurred.
Value Type	Code
Code	M = Measured | E = Estimated
Missing Values	DNC = Did Not Collect | VNA = Variable Not Applicable

Crown Class

Unique ID	T09_IC00134
Attribute Definition	Tree classification in relation to the immediately surrounding trees.
Value Type	Code
Code	V = Veteran - Trees that are considerably older than rest of the stand, usually remaining from a previous forest | D = Dominant - Trees with well developed crowns extending slightly above the general level of surrounding trees, receiving full light from above and partly from the side. | C = Co-dominant - Trees with crowns (slightly smaller than dominant and crowded from the sides) forming the general level of surrounding trees, receiving full light from above and little from the side. | I = Intermediate - Trees with crowns (usually small and quite crowded) below, but extending to the general level of surrounding trees, receiving little light from above and none from the sides. | S = Suppressed - Trees with crowns entirely below the general level of the surrounding trees, receiving virturally no direct light from above or the side.

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