

N1b_all_sep - Designations

<u>Designation</u>	<u>Full length</u>	<u>Unit</u>	<u>Range</u>	<u>Definition</u>
ID	Site and sub-plot identity	Identity no	101-509	Identity number of sample site and sub-plot/reference position. ¹
Ti	Tree identity	Identity no	1-70	Identity number of measured tree per site and sub-plot.
Tt	Tree type	Type class	0-4	Type according to a) if measured from one reference point or from two reference points, b) if it is a sample tree or not, or c) if the tree is dead or harvested within last 10 years. ²
Tv	Tree vitality	Status class	0/1	Field external assessment of subject tree vitality status. 0=vital status, 1=not vital. ³
Ts	Tree species	Species codes	1-20	Tree species codes. 1=Norway spruce, 2=Scots Pine, 3=Birch. ⁴
Dbh	Diameter at 1,3m height	mm	60-700	Cross-calipered tree diameter at breast height with x-direction towards plot centre, measured with Postex caliper.
Mt	Mortality information	Class and time codes	0-3	Code indicating a) if the tree is alive or dead b) if dead, time period since the tree is estimated to have died. 0=living tree, 1=died/harvested 1-3 years ago, 2=died /harvested 4-6 years ago, and 3=died /harvested 7-10 years ago.
Bq	Butt logg quality class	Grading class	1-5	Butt logg quality class according to Swedish round wood grading classes, where class 5=pulp wood or lower class. ⁵
Th	Tree height	dm	40-350	Tree height measured with Vertex.
Lc	Living crown	dm	0-250	Distance between point of germination and branch attachment point of lowest living branch
MaxC	Maximum crown width	dm	0-60	Distance between stem center at 1,3m height and maximum vertical projection of the living crown.
MinC	Minimum crown width	dm	0-50	Distance between stem center at 1,3m height and minimum vertical projection of the living crown.
locX	Local x coordinate	m	-15-15	x-axis distance from local reference point (centre of subject sub-plot) corresponding to cardinal directions east and west

locY	Local y coordinate	m	-15-15	y-axis distance from local reference point (centre of subject sub-plot) corresponding to cardinal directions north and south
gloX	Global x coordinate	m	-16-60	x-axis distance from global reference point (centre of sub-plot 1) corresponding to cardinal directions east and west
gloY	Global y coordinate	m	-16-60	y-axis distance from global reference point (centre of sub-plot 1) corresponding to cardinal directions east and west
Rr	Root rot	Codes of information	0-3	Root rot infestation noticed from increment cores. 0=not investigated, 1=no infestation, 2=infestation only in the heartwood, 3=infestation in the sapwood. ⁶
rw12	Annual ring width 2012	Hundredths of mm	2-600	Annual ring width of growing season 2012, direction north at 1,3m stem height
rw13	Annual ring width 2013	Hundredths of mm	2-600	Annual ring width of growing season 2013, direction north at 1,3m stem height
rw14	Annual ring width 2014	Hundredths of mm	2-600	Annual ring width of growing season 2014, direction north at 1,3m stem height
rw15	Annual ring width 2015	Hundredths of mm	2-600	Annual ring width of growing season 2015, direction north at 1,3m stem height
rw16	Annual ring width 2016	Hundredths of mm	2-600	Annual ring width of growing season 2016, direction north at 1,3m stem height
rw17	Annual ring width 2017	Hundredths of mm	2-600	Annual ring width of growing season 2017, direction north at 1,3m stem height
rw18	Annual ring width 2018	Hundredths of mm	2-600	Annual ring width of growing season 2018, direction north at 1,3m stem height
dist cent	Distance to local reference	m	0-14,14	Distance between subject tree and local reference through local coordinates ⁷
samp 1	Trees outside 10m circular edge	binary	1/0	Trees with all competitors within 10 m radius measured=1, 0=not all competitors positioned ⁷
samp 2	Trees outside 10m coordinate edge	binary	1/0	Trees with all competitors within 10 m x- or y- coordinate distance measured=1, 0=not all competitors positioned ⁷
St	Trees with positioned competitors	binary	1/0	Trees with all competitors within 10 m radius coordinate set=1, 0=not all competitors are coordinate set

1) First number indicates site (1=Mosshult, 2=Romperöd, 3=Simontorp, 4=Öveshult, 5=Lilla Norrskog). Last number indicates sub-plot/reference point (see document "Fältinstruktion och kodförklaringar 190204.docx")

2) 0=tree measured from one reference point, 1=tree measured from two reference points, 2=sample tree measured from one reference point, 3=sample tree measured from two reference points, and 4=stump or dead tree.

Code 1 and 3 was only used at sites 1 and 2. At the remaining sites double measurements was only done on temporary sticks between the reference points. These measurements were then cleaned out from the data.

3) Vital is defined as not having any damage to stem and/or crown which is judged to impair growth and which has been caused by factors other than local competition. The top shot shall be alive on a vital tree.

4) The complete list of species codes is found in "Fältinstruktion och kodförklaringar 190204.docx". For analysis the remaining species can be treated as one group.

5) According to SDC 2014. Grading of sawlogs of pine and spruce. Skogsbrukets datacentral, Sweden.

6) When investigated it is always one single increment core drilled at breastheight from north (not always into the pith).

7) Temporary values (red) used to calculate final variables (black)