Target Tailored Forest Damage Inventory (TFDI) Damage by bark beetle in Västernorrland 2011

Dataset identifier: https://doi.org/10.5878/emem-x665

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Report: Wulff, S. (2012). Inventering av barkborreangrepp på gran i Västernorrlands län 2011. Institutionen för skoglig resurshushållning, Sveriges lantbruksuniversitet. https://res.slu.se/id/publ/132582 (Only in Swedish)

Instruction fieldwork: Separate file (Only in Swedish)

Data description:

Collected, assessed variables and calculated variables

PLOTDATA

Plotno

Date – Date of inventory YYYYMMDD

NFI year – Year when the NFI last time inventoried the sample plot before this inventory

Tract – Tract number

Sample plot – Sample plot number

Sub sample plot – Sub sample plot number (0=one plot)

Inventory – Is the plot measured? 1=Yes; 2=No - sample plot not found; 3= No - Not forestland, a real change in land use class; 4=No - Whole plot clearcut; 5=No - Other reason (give explanation); 6=No – No Norway spruces left on the sample plot; 7=Yes – But only a few remaining trees; 8=Yes – But with a new stand edge (season 0 – 2) stand edge within 25 m

Plot area percent – Current proportion of sample plot

Plot area m^2 – Area of sample plot

Four eyed spruce bark beetle – Fresh attacks by Four eyed spruce bark beetle (*Polygraphus poligraphus*) 1=yes/0=no

Spruce bark beetle – Fresh attacks by European spruce bark beetle (*Ips thypographus*) 1=yes/0=no

Older damage – Older attacks by European spruce bark beetle (*Ips thypographus*) or Four eyed spruce bark beetle (*Polygraphus poligraphus*) 1=yes/0=no

Proportion of trees damaged 10m radius – Proportion of trees damaged by bark beetle at sample plot with 10m radius

Proportion of trees damaged 25m radius – Proportion of trees damaged by bark beetle at sample plot with 25m radius

Proportion of Norway spruce – Proportion of Norway spruce at plot level in tenths

Maturity class - Maturity class (see NFI instructions for description)

GPS-East Scrambled (SWEREF99, scrambled +/- 200 - 800 m)

GPS-North Scrambled (SWEREF99, scrambled +/- 200 - 800 m)

Other info – Other information free text in Swedish

TREEDATA

Plotno

Treeno

Within 10m – Within plot 10 m radius (1=yes; 0=no)

Dead – Dead tree (1=yes; 0=no)

Diameter – Diameter at breast height (mm)

Bark beetle – Damage by bark beetle specie GBB=European spruce bark beetle (*Ips thypographus*); DOB= Four eyed spruce bark beetle (*Polygraphus poligraphus*); GBBDOB=both European spruce bark beetle (*Ips thypographus*) and Four eyed spruce bark beetle (*Polygraphus poligraphus*)

Season – Damage season. A season is from spring budding one year to the budding the next year. 0=present season; 1=last season; 2=two seasons ago; 3=at least three season ago; 1+=season 1 or older; 2+=season 2 or older.

Edge - Distance from tree to stand edge or gap in the forest (0=in the edge; 5=1-5 m; 10=6-10 m; 15=11-15 m; 20=16-20 m; 25=21-25 m; 26=>25 m)

Height – Estimated height by height function RuneOlla (Ollas, R. 1980. Nya utbytesfunktioner för träd och bestånd. Forskningsstiftelsen Skogsarbeten, Ekonomi nr 5. In Swedish.)

Volume – Volume in m^3 (cubic meters of forest)

Other info – Other information free text in Swedish