

Potential Snag and Down Log Data Files

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Information is provided below on the type of data that *can* be provided for snags and down logs and subsequent fish or wildlife modeling efforts.

The information is provided at two scales: individual snag and down log records (through time), and stand summaries of snags and down log volume (through time).

The computer disk storage space required is also noted (more growth and yield runs to follow, however, so these values will rise perhaps 10-20%).

Individual snag and down log records

1A) Initial conditions of snags:

sw_snags_011801.csv (softwood snags)
hw_snags_011801.csv (hardwood snags)

Format:

Plot number, prescription, snag create year, species code, condition class, dbh, height, snags per acre, site class

Where:

Plot number = Janet Ohman's SEQNO

Species code = 1 (slow-decaying species [DF, RC, SS]), or 2 (fast decaying species [all other conifers])

Condition class = 1 (green snag), 2 (hard snag), or 3 (soft snag)

Site class = 1 (high / moderate productivity [$>85\text{ft}^3\text{ac}^{-1}\text{yr}^{-1}$]), or 2 (low sites)

This data came from Rebecca Hess.

1B) Initial conditions of down logs:

sw_logs_011801.csv (softwood logs)
hw_logs_011801.csv (hardwood logs)

Format:

Plot number, prescription, log create year, species code, condition class, large-end diameter, length, number per acre

Where:

Condition class = 1 (green log), 2 (sound log), or 3 (decayed log)

This data came from Rebecca Hess.

Disk storage space for initial snags and down logs, and their condition over time:
11.7 Mb.

1C) Projected new snags:

Mortlist.txt (growth and yield model mortality)

Uniquely new snags come from mortality tables generated from ORGANON and Zelig growth and yield model runs:

Format:

Plot number, prescription, time period, stand age, species, dbh, height, dead trees per acre

Where:

Time period = 5-yr time periods (Range 1-20)

Species = String variable for tree species (ex. "DF")

(213 files; 1.6 Gb [0.3 Gb compressed])

1D) Projected new snag conditions over time

snagout.txt (all conifer snags, no distinction among species)

Format:

Plot number, prescription, time period, dbh, height, snags per acre

(213 files; 6.0 Gb [1.2 Gb compressed])

snagout_hwd.txt (all hardwood snags, no distinction among species)

Format:

Plot number, prescription, time period, dbh, height, snags per acre

(213 files; 1.7 Gb [0.3 Gb compressed])

1E) Projected new down logs

loglist.txt (conifers)

Format:

Plot number, prescription, time period, species, large-end diameter, condition class, length, density, log volume

(213 files; 7.3 Gb [1.5 Gb compressed])

loglist_hwd.txt (hardwoods)

Format:

Plot number, prescription, time period, species, large-end diameter, condition class, length, density, log volume

(213 files; 1.5 Gb [0.3 Gb compressed])

1F) Projected new down log conditions over time

logout.txt (all conifer logs, no distinction among species)

Format:

Plot number, prescription, time period, large-end diameter, log volume

(213 files; 28.7 Gb [5.7 Gb compressed])

logout_hwd.txt (all hardwood logs, no distinction among species)

Format:

Plot number, prescription, time period, large-end diameter, log volume

(213 files; 6.2 Gb [1.2 Gb compressed])

Stand summaries of snag and down log volume

dwpa.	Total log volume
dwpa30_50	Volume of 30-50 cm [large-end diameter] logs
dwpa50	Volume of 50+ cm [large-end diameter] logs
spa10	Number of snags 10+ cm dbh, > 5 m tall
spa10_25	Number of snags 10-25 cm dbh, > 5 m tall
spa25_50	Number of snags 25-50 cm dbh, > 5 m tall
spa50_75	Number of snags 50-75 cm dbh, > 5 m tall
spa75	Number of snags 75+ cm dbh, > 5 m tall
spa50	Number of snags 50+ cm dbh, > 5 m tall
spa50_15	Number of snags 50+ cm dbh, > 15 m tall
spa50_80	Number of snags 50+ cm dbh, >= 80% of stand height
svpa	Snags total volume
svpa30_50	Volume of 30-50 cm dbh [large-end diameter]
svpa50	Volume of 50+ cm dbh [large-end diameter]

Format:

Unique number, Plot number, prescription, value₁, value₂, ..., value₂₀

Where:

Value_i = the value of that summary for time period *i*

(3408 files; 2.7 Gb [0.5 Gb compressed])