

DFTM Early Warning System Database

Data Dictionary

Overview

In the western US, state and federal cooperators maintain a network of ~600 plots to track Douglas-fir tussock moth populations. Some plots have been maintained since 1979, while others were established more recently. Each plot consists of five pheromone traps that are deployed annually. Plot location and trap catch data are stored in a Microsoft Access 2010 database available at: <http://www.fs.usda.gov/goto/r6/fhp/dftm-database>. The 3 data tables in this database are described below.

Plot Location

For each plot, the following plot location data is stored. All fields except Plot ID (an integer) are stored as text.

Region: 1-6, ID, or MT

Region	Location	Agency
1	Western Montana (Clearwater & Nez Perce NFs)	USFS
2	Colorado (Pike NF)	USFS
3	Arizona	USFS
4	Southern Idaho, Nevada, Utah	USFS
5	California	USFS
6	Oregon and Washington	USFS, Oregon, Washington
ID	Northern Idaho	Idaho
MT	Western Montana	Montana

Plot ID: a number that is unique within (but not between) regions. See plotnumbering.pdf

Nearest Forest: usually a National Forest, Indian Reservation, or National Park (federal plots) where the plot is located, or the nearest National Forest (state plots). Regions are divided into "Nearest Forest"

Nearest District: usually the Ranger District or other subunit where the plot is located (federal plots) or the nearest Ranger District (state plots). Nearest Forests are divided into "Nearest District"

Plot Number: a number assigned by the cooperator, usually unique within Nearest District

Plot Name: a name assigned by the cooperator

Type: general type of cooperating agency. Options: usfs, blm, bia, nps, or state

State: state where the plot is located. Options: AZ, CA, ID, MT, NV, OR, UT, or WA

State District: a name assigned by the cooperator

Twn: township where plot is located

T Mod: township modifier. Options: N or S

Range: range where plot is located

R Mod: range modifier. Options: E or W

Section: section where plot is located

Latitude: latitude in decimal degrees

Longitude: longitude in decimal degrees

Trap Data

For each plot, the following trap catch data is stored for each year. All fields are stored as integers except Region, which is stored as text.

Region: 1-6, ID, or MT (see Plot Location section above))

Plot ID: a number that is unique within (but not between) regions (See **plotnumbering.pdf**)

Year: year that trap data was collected

Trap1: number of moths caught in trap 1

Trap2: number of moths caught in trap 2

Trap3: number of moths caught in trap 3

Trap4: number of moths caught in trap 4

Trap5: number of moths caught in trap 5

TotalTraps: number of traps collected

Plot Means

For some plots, data from individual traps is not available, but the average number of moths caught per trap is available for certain years. Region is stored as text, Plot ID and Year are stored as integers, and Mean is stored as a double-precision number.

Region: 1-6, ID, or MT (see Plot Location section above)

Plot ID: a number that is unique within (but not between) regions (See **plotnumbering.pdf**)

Year: year that trap data was collected

Mean: average number of moths caught per trap