

FTM Early Warning System Database:

Data Dictionary

Overview

In the western US, state and federal cooperators maintain a network of ~860 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 checked annually. Plot location and trap catch data are stored in an Access2010 database available online 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 forests".

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 districts".

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 for more information)

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 checked (usually = 5, but sometimes traps are lost)

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 for more information)

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