**North Cascades Fire Effects Monitoring Data**

Each 50 x 20 sq. meter rectangular plot (MacroPlot) is divided into four 10 x 25 sq meter Quarters (Q1, Q2, Q3, Q4). There are 4 random 100 ft fuels transects (browns lines) starting at 4 points (1A, 2A, 3A,4A) along the plot center line.



**Basic Plot Info**

MacroPlot Name

Location: Zone, UTM Y, UTM X

Purpose - Treatment Unit

Monitoring Status: from Workload Spreadsheet. Prefix is the treatment. 1/2/5/10/15 following the treatment are the number of years after the treatment.

|  |
| --- |
| Monitoring Status Codes:  00PRE=Current Pre-burn  00PRO1=Earlier Pre-burn  01YR(1/2/5)=Unit has been burned once (BB) and not thinned  02YR00=Initial read of a plot that had it's first "pre" read after a thinning event  02YR01,02,03….= Subsequent post thin reads  03YR0(1/2/5)=Following 1st Pile Burn  04YR0(1/2/5)=Following 1st burn (BB) of a thinned unit (1 thin)05YR0(1/2/5)=Following 2nd burn (most recently BB) of a thinned unit (1 thin)  06YR0(1/2/5)=Following 3rd burn (most recently BB) of a thinned unit (1 thin)  07YR0(1/2/5)= Following 1st burn (BB) of a thinned unit (2 thins)  08YR0(1/2/5)= Following 2nd burn (most recently BB) of a thinned unit(2 thins)  09YR0(1/2/5)= Following 3rd burn (most recently BB) of a thinned unit (2 thins)  20YR0(1/2/5)=Following first thin of a previously pile-burned unit.  00POST= Immediate post burn read (status number reflects treatment history)  THIN =Unit thinned |

**Raw Trees Data in Trees\_NOCAmetric:** The following data is collected for all trees > 2.5 cm DBH in all 4 quarters (1000 m2 area):

Species 4-letter code

QTR – Quarter

TagNo – tag number

Status – Live/Dead

DBH – cms

Ht – height class code for Pole trees (2.5 - 15 cm dbh), height not recorded for Overstory trees (<15 cm dbh)



CrwnCl – Crown Class: X=not taken (usually pole tree), SC=SubCanopy, I=Intermediate, C=Canopy, D=Dominant, BAD=Broken Above DBH height,

DamCd – Damage Code



**Report\_TreesbySpecies\_M:** A summary report of tree data per plot and status. Was easy enough to include so I did.

**Fuels Data:**

**Report Surface Fuels\_English:** A summary report of fuel loadings in tons/acre for all plot reads and status

**Report\_SurfaceFuelsMetric:** A summary report of fuel loadings in kg/sq.m for all plot reads and status

**Raw Fuels Data:** I also included the raw data for all fuels as collected on the 4 Browns Transects per plot, and the fuels constants that are used if you decide to calculate the loadings manually.

**Fire Monitoring Handbook:** Handbook of the protocols and datasheets used.