



Steep Slopes Model: Designated Debris Flow Traversal Areas (DDFTAs)

Summary

Designated debris flow traversal areas (DDFTAs) are part of the new steep slopes model (updated August 4th, 2023) that came from the Private Forest Accord.

DDFTAs are defined in the Forest Practices Act under OAR 629-600-0100(35), require tree retention for Western Oregon operators (OAR 629-630-0905) and for Small Forestland Owners (OAR 629-630-0920), and require a non-statutory written plan (OAR 629-630-0925).

Definition

The designated debris flow traversal area GIS layer can be viewed on the [ODF website](#) and is available for [download](#). Designated debris flow traversal areas are defined as:

areas that the slopes model identifies as most likely to deliver debris flows to Type F or Type SSBT streams. These have a probability of traversal in the upper 50 percent.

DDFTAs are divided into two categories: those with a probability of traversal in the upper 20 percent (displayed as red online, Trav_prop 0.8-1.0 in downloadable layer) and those with a probability of traversal between 20 and 50 percent (displayed as gold online, Trav_prop 0.5-0.8 in downloadable layer).



Figure 1. Example of DDFTAs from the FPA Streams and Steep Slopes Viewer.

DDFTA Length

Starting from the lowest point, the length of the DDFTA is whichever is longer:

- The total length of the upper 20% (red) DDFTA, or
- 1,000' max for 20-50% DDFTAs (gold) alone or for upper 20% and 20-50% DDFTAs combined (upper 50%, red and gold combined)

If either instance above is <1,000' then the length of the DDFTA stops where the DDFTA ends (this may be less than 1,000').

It is important to recognize the length specification above since, in many instances, it is shorter than what is displayed in the GIS layer.

DDFTA Tree Retention Requirements

OAR 629-630-0905 requires operators in Western Oregon to retain all trees along the length of DDFTAs (described above) within 25' slope distance from either side of the active channel or center of the draw if no channel is present.

Small Forestland Owner DDFTA Tree Retention Requirements

OAR 629-630-0920 requires Small Forestland Owners to retain trees within 50% of the length of the DDFTA for harvest type 1, harvest type 2, or harvest type 3 units. This 50% can be along any portion or cumulative portions of the length described above.

The following page shows an image describing examples of DDFTA tree retention lengths.



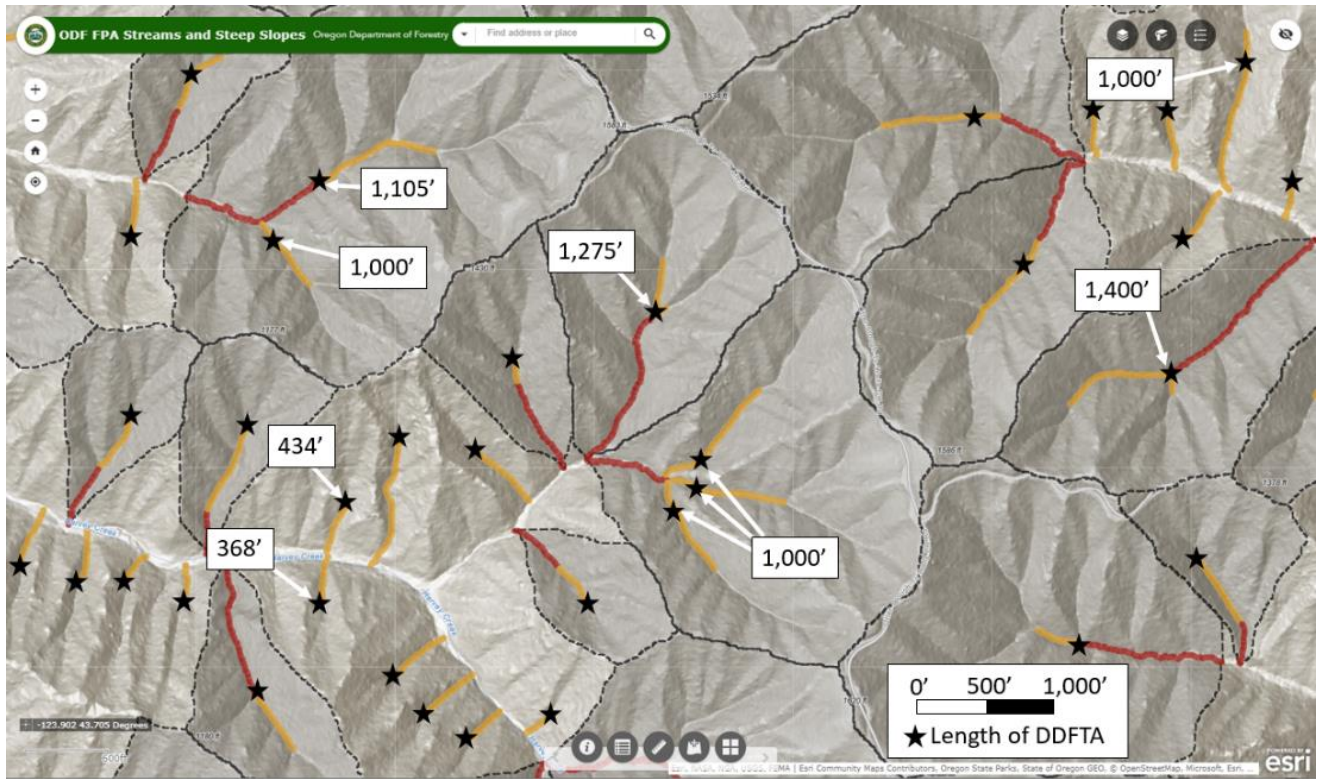


Figure 2. Examples of the length of Designated Debris Flow Traversal Areas. Black stars indicate where the DDFTA tree retention requirement ends.

