# Interagency Vegetation Mapping Project (IVMP)

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The Regional Interagency Executive Committee decided to accept effectiveness monitoring plans for the Northwest Forest Plan. Effectiveness monitoring requires comprehensive and consistent maps of existing and potential vegetation. The United Sates Forest Service (USFS) and the Bureau of Land Management (BLM) have agreed to jointly fund and develop these vegetation maps.

The Interagency Vegetation Mapping Project (IVMP) provides maps of existing vegetation, canopy cover, size, and cover type for the entire range of the Northern Spotted Owl using satellite imagery from the Landsat Thematic Mapper (TM). This area is commonly called the FEMAT area, in reference to the area's analysis by the Forest Ecosystem Management Assessment Team. A regression modeling approach was used to predict vegetation characteristics from this Landsat data. This process involved the use of numerous sources of ancillary data, the most crucial being USFS, BLM, and Forest Inventory and Analysis (FIA) plot field data and plot photo interpreted information. This data served as training data in the regression modeling. The final products include a vegetation cover prediction map, conifer cover prediction map, broadleaf cover prediction map, and size prediction map.

## Contributing Agencies



http://www.blm.gov/or/index.php



http://www.fs.fed.us/r6/



http://www.fs.fed.us/pnw/

## About IVMP Datasets

**NOTE:** Only the most recent datasets are available for download.

Typically data are provided in two different datasets: CONTINUOUS and STANDARD. Eastern Cascades WA QMD is provided only as a CATEGORICAL map. The categories are as follows: 0-4.99 inches, 5-9.9 inches, 10-19.9 inches, and 20 + inches. See supporting province documentation for more information.

The continuous datasets contain the ARC Grids and supporting files for a particular province. The Grid is in a continuous format to enable users to define category breaks suitable for their application. Data are not intended to be used at the continuous level because they are not suitably accurate at this level. Vegetation, conifer, and broadleaf data are in 1 percent increments, and QMD data are in 1 inch increments. 2 to 4 categories are recommended. Supporting files include:

- Metadata (e.g., veg_cont_meta.txt)
- Color map files (e.g., bdlf_cont.cmap for ARC Grid and oly_veg_cont.clr for ArcView)
- Grid attributes and legends (e.g., veg_cont_att.txt)
- Area statistics of each class (e.g., oly_vegcont_stats.xls)

The standard datasets contain the ARC Grids and supporting files for a particular province. The Grid categories are consistent with the Vegetation Strike Team Standards. See the province documentation for more information. Vegetation, conifer, and broadleaf cover data are provided in 10% increments, and QMD in 6 categories. Supporting files include:

- Metadata (e.g., veg_std_meta.txt)
- Color map files (e.g., bdlf_std.cmap for ARC Grid and oly_veg_std.clr for ArcView)
- Grid attributes and legends (e.g., veg_std_att.txt)
- Area statistics of each class (e.g., oly_vegstd_stats.xls)

## Datasets

IVMP datasets are currently available for download for several provinces. Remaining provinces will be made available upon completion.

## Contacts

For questions and additional information about the IVMP project please contact:

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# IVMP Datasets

The study area consists of the range of the Northern Spotted Owl in Oregon and Washington. The entire range of the Northern Spotted Owl is commonly known as the FEMAT area, in reference to the area's analysis by the Forest Ecosystem Management Assessment Team. This area includes 24 million acres of federal land that extends from northern Washington, through Oregon, and into northern California, primarily on the western side of the Cascade Mountains. IVMP focused on the FEMAT area in Oregon and Washington. Region 5 of the Forest Service in northern California have mapped the northern California area of FEMAT independently.
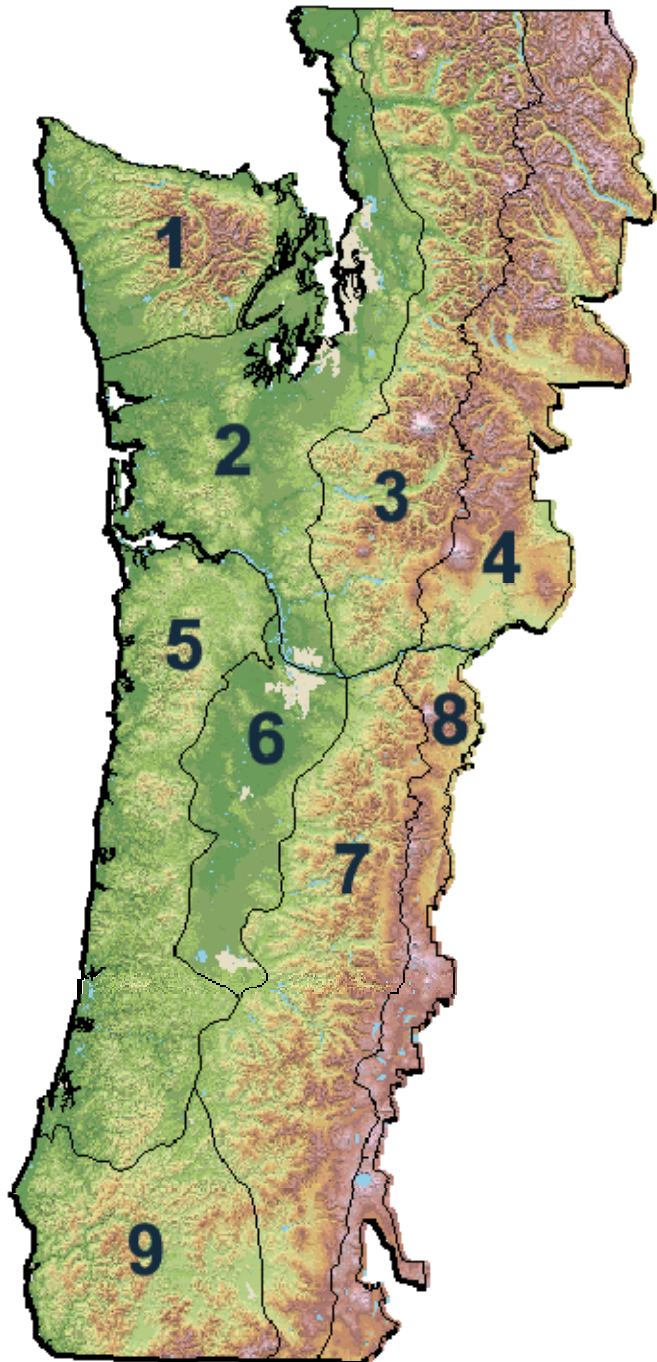
The IVMP project area is very diverse in terms of vegetation, topography, soil, and geomorphology. To reduce variability, the project area was stratified into 9 physiographic provinces.

Downloadable files include: ARC GRIDS, ARC COVERAGES, metadata, attribute lists, color maps, and statistical summaries for each classification standard (conifer, broadleaf, QMD, vegetation, and miscellaneous).  Please see the GIS ftp site at: ftp://ftp.blm.gov/pub/OR/gisweb/

Data is currently available only for the Olympics, Western Lowlands WA, Western Cascades WA, Eastern Cascades WA, Coast OR, and Western Cascades OR provinces. Selecting other provinces will show their current completion status.

## Datasets

1. Olympics, WA - Version 2.1
2. Western Lowlands, WA - Version 1.0
3. Western Cascades, WA - Version 2.0
4. Eastern Cascades, WA - Version 1.0
5. Coast, OR - Version 3.0
6. Willamette Valley, OR - Version 1.0
7. Western Cascades, OR - Version 2.2
8. Eastern Cascades, OR - Version 1.1
9. Klamath, OR - Version 1.1

# Dataset Disclaimer

*No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of this data for individual or aggregate use with other data.*

# Download Help

Select either a CONTINUOUS or STANDARD dataset to download.

Verify that the download file has both *.tar and *.gz extensions and open it in a compression utility such as WINZIP. Select YES when WINZIP asks if it should decompress the contained file into a temporary folder.

All files contained in the archive will be displayed in the WINZIP window.

Choose EXTRACT.

Enter or browse to the location you want the downloaded information to be located, verify that the USE FOLDER NAMES box is checked in the lower left-hand corner, and select EXTRACT.

If you are using a UNIX operating system, the GUNZIP and TAR-XVF commands can be used to uncompress the downloaded files.

For further information please visit the GIS Data page at:
> http://www.blm.gov/or/gis/index.php