

ACR554 OPDR Attachment E

Provide descriptions and a georeferenced GIS shapefile(s) of the Project Area (all GIS data was accessed on the date of this document) including:

1. Governing jurisdictions, and latitude/longitude coordinates:
State of Oregon, Jefferson County, USA
Latitude: 44.6 N
Longitude: 120.5 W
2. Public and private roads (shapefile only):
See ACR554 OPDR Attachments E and F Maps v.1.0.pdf
Page 1: Appendix E-A. Map_TownsRoads (georeferenced spatial data)
Source Data: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community
https://services.arcgisonline.com/ArcGIS/rest/services/World_Topo_Map/MapServer
3. Towns (shapefile only):
See ACR554 OPDR Attachments E and F Maps v.1.0.pdf
Page 1: Appendix E-A. Map_TownsRoads (georeferenced spatial data)
Source Data: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community
https://services.arcgisonline.com/ArcGIS/rest/services/World_Topo_Map/MapServer
4. Major watercourses, water bodies, and watersheds (shapefile only):
See ACR554 OPDR Attachments E and F Maps v.1.0.pdf
Page 2: Appendix E-B. Map_Watercourses (georeferenced spatial data)
Source Data:
 Watercourses: NHDFlowline and NHDWaterbody from the National Hydrography Dataset File Geodatabase (NHD_H_Oregon_State_GDB.gdb)
 Watersheds: WBDHU12 from the National Hydrography Dataset File Geodatabase (NHD_H_Oregon_State_GDB.gdb) obtained from <https://www.usgs.gov/core-science-systems/ngp/national-hydrography>
5. Topography (shapefile only):
See ACR554 OPDR Attachments E and F Maps v.1.0.pdf
Page 3: Appendix E-C. Map_Topography (georeferenced spatial data)
Source Data:
 World Topography: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community
https://services.arcgisonline.com/ArcGIS/rest/services/World_Topo_Map/MapServer

World Hillshade: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap, and the GIS user community

https://services.arcgisonline.com/arcgis/rest/services/Elevation/World_Hillshade/MapServer

6. Townships, ranges, and sections (shapefile only):

See ACR554 OPDR Attachments E and F Maps v.1.0.pdf

Page 4: Appendix E-D. Map_PLSSLatLong (georeferenced spatial data)

Source Data: Township and Section data, Lat/Long grid

7. Existing land cover and land use (description with optional shapefile):

The Project Area is comprised of several large blocks of managed ranchland and natural forest in Oregon providing critical habitat for native flora and fauna. The property is managed for a wide variety of cultural, recreational, wildlife, and other multiple use objectives

8. Forest vegetation types (description with optional shapefile):

The forest vegetation within the Project Area boundary is predominantly western juniper, mountain mahogany, ponderosa pine, Douglas-fir, grand fir, and western larch.

9. Site classes (description with optional shapefile):

Site classes that exist in the Project Area are common for the region. Only approximately 2% of the total area is considered High Site Class.

10. Land pressures and climate zone/classification (description with optional shapefile):

The primary land use for Project Area's region is recreational, grazing, and forest management. There is little to no development pressure within the region. Review of air photos and satellite imagery reveal a forest dominated landscape. The project lies entirely in the 6b climate zone as shown on USDA Plant Hardiness Zone Maps.

11. Historical land uses, current zoning, and projected land use within the Project Area (description with optional shapefile):

The historical land uses in the past have been outdoor recreation, grazing, and timber harvesting. The Project Area is currently zoned as multiple use to support a wide variety of land use objectives. Projected land use within the Project Area is expected not to change from its current use and will support the same land uses in this portion of central Oregon.