Boardman to Hemingway Transmission Line Project
Application for Site Certificate

Attachment J 1-150
Wetland and Other Waters Detail Maps
Union County
PROJECT AREA

Clover Creek
Sec.26
Sec.27
5S 39E

UNION COUNTY
Jimmy Creek Rd
UN_LM_W_209

Project Features

Site Boundary
Proposed Route
Alternative Route
Construction Access
Existing Road, Substantial Modifications, 75-100%
Improvements

Wetland
Field Survey Wetland

Source(s): BLM, IPC, ODF, OSOT, NFS, USFWS, USFWS, temps. Env. Solutions, GlobalEarth, EarthViewGeographics, CM/EcoSite DS, AGI, Cartography, Amazon, OCA, GF, cartomaps

Oregon Map Area

Attachment J 1-152
Boardman to Hemingway Transmission Line Project
Application for Site Certificate

Wetland and Other Waters
Detail Maps
Union County
Project Features
- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Pulling and Tensioning

Other Waters
- NANS Streams (NHD)

Map Area

Project:
- Structure Work Area
- Mileposts
- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- New Road, Primitive

Sources:
- BLM, IPC, ODFW, OSOT, NFS, USDA, USGS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, USGS, MRI, Geobase, ArcMap, OCA, OLP, veoimap

Attachment J 1-156
Wetland and Other Waters
Detail Maps
Union County

Boardman to Hemingway
Transmission Line Project
Application for Site Certificate
Union County

Map Area

Project Features
- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Pulling and Tensioning
- Structure Work Area
- Mileposts
- Tenth-mile
- Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- New Road, Primitive

Other Waters
- NANS Streams (NHD)

Sources: BLM, BFC, CDFW, DEQ, FWS, NPS, OSU, ODF, USDA, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, ISA, IGN, swisstopo

Attachment J-161
Wetland and Other Waters
Detail Maps
Union County
Boardman to Hemingway Transmission Line Project
Application for Site Certificate

Attachment J1-162
Wetland and Other Waters Detail Maps
Baker County

Sources: BLM, IFCC, ODFW, OSU, OWS, OSU, USGS, USDA, USDA, USG, DN, ORNG, Axiom, ORNG, ORNG, IGI, swisstopo

- Powder River
- Sec. 7
- Tenth-mile
- Railroadd
- County Boundary
- Other Waters
- NAMS Streams (NHD)
- Wetland
- NAMS Wetland (NWI)
Application for Site Certificate

Attachment J 1-166
Wetland and Other Waters
Detail Maps
Baker County
Boardman to Hemingway Transmission Line Project Application for Site Certificate

Attachment J 1-169
Wetland and Other Waters Detail Maps
Baker County

Source: BLM, IFC, OSU, OSU, USFWS, USGS, USFWS, USFWS, USFWS, DigitalGlobe, Esri, Earthstar Geographics, CNES/Airbus DS, MCI, Orthoimagery, Amazon, GeoEye, Swisstopo, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

Map Area

0 200 Feet

Project Features
Site Boundary
Proposed Route
Alternative Route
Route Centerline
Proposed Route
Pulling and Tensioning
Structure Work Area
Mileposts
Tenth-mile
Existing Road, Substantial
Existing Road, Substantial
Construction Access
Improvements
New Road, Primitive
NANS Stream (NHD)

Flagstaff Gulch

Source(s): BLM, IPC, ODFW, OSU, OSU, OSU, OSU, Esri, DigitalGlobe, Esri, Earthstar Geographics, CNES/Airbus DS, MCI, Orthoimagery, Amazon, GeoEye, Swisstopo, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

Baker County

Wetland and Other Waters
Detail Maps
Attachment J 1-169
Boardman to Hemingway Transmission Line Project Application for Site Certificate

Source: BLM, IFC, OSU, OSU, USFWS, USGS, USFWS, USFWS, USFWS, DigitalGlobe, Esri, Earthstar Geographics, CNES/Airbus DS, MCI, Orthoimagery, Amazon, GeoEye, Swisstopo, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

Map Area

0 200 Feet
PROJECT AREA

Sec.24
Sec.23
N 40E
B A K E R
C O U N T Y

150.1
150.2

Project Features

Site Boundary
Proposed Route
Alternative Route
Route Centerline
Proposed Route
Work Areas
Structure Work Area

Mileposts
Mile
Tenth-mile

Construction Access
Existing Road, Substantial Modification, 21-75%
Improvements
New Road, Primitive

Other Waters
NANS Streams (NHD)

Source(s): BLM, IPC, ODFW, ODOT, NFS, USWA, USFS, USDA, USGS, Ventyx, Esri, DigitalGlobe, GeoEys,
Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, ICA, IGN, swisstopo

Boardman to Hemingway Transmission Line Project
Application for Site Certificate

Attachment J 1-177

Wetland and Other Waters
Detail Maps
Baker County
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Attachment J1-178
Wetland and Other Waters
Detail Maps
Baker County

Source: BLM, IFC, USFWS, USGS, NPS, ODFW, USDA, USFS, GIS, ODOT, Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, AeroGRID, IGN, swisstopo
Boardman to Hemingway Transmission Line Project Application for Site Certificate

Attachment J-179

Wetland and Other Waters Detail Maps

Baker County
Baker County

Project Area

Sec. 1
10S 40E

Baker County

Sutton Creek Rd

154.1
154.2
154.3
154.4
154.5

NANS Streams (NHD)

Mileposts

Transportation

Existing Road, Substantial
Modifications, 21-70% Improvements
New Road, Primitive

Site Boundary
Proposed Route
Alternative Route
Route Centerline
Proposed Route
Work Areas
Structure Work Area

Mile
Tenth-mile

Construction Access

Existing Road, Substantial
Modifications, 21-70% Improvements
New Road, Primitive

Source(s): BLM, IPC, ODFW, ODOT-NPS, OSU, USGS, USFS, USDA, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

Attachment J 1-181
Wetland and Other Waters
Detail Maps
Baker County
## Project Features

<table>
<thead>
<tr>
<th>Site Boundary</th>
<th>Proposed Route</th>
<th>Alternative Route</th>
<th>Route Centerline</th>
<th>Proposed Route</th>
</tr>
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<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Mileposts</th>
<th>Mile</th>
<th>Tenth-mile</th>
<th>Construction Access</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Existing Road, Substantial Modification, 21-70% Improvements</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>New Road, Bladed</td>
</tr>
</tbody>
</table>

### Mileposts

- Mile 157.7
- Mile 157.8
- Mile 157.9
- Mile 158.1
- Mile 158.2
- Mile 158.3

### Transportation

- Interstates or Highways
- NANS Wetland (NWI)

### Wetland

- NANS Wetland (NWI)

**Source(s):** BLM, IPC, ODFW, ODOT, USFWS, USGS, USFS, USDA, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, Ascendra, IGN, IGP, swisstopo

---

**Map Area**

- **Boardman to Hemingway Transmission Line Project**
- **Application for Site Certificate**

**Attachment J 1-183**

- **Wetland and Other Waters Detail Maps**
- **Baker County**
Boardman to Hemingway Transmission Line Project
Application for Site Certificate

Attachment J 1-187
Wetland and Other Waters Detail Maps
Baker County

Project Features
- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road, Substantial Modification, 71-100% Improvements
- New Road, Primitive

Map Area

Source(s): BLM, OR, IPC, ODF, ODOT, USFS, USFWS, USGS, VEntx, DigitAlaska, Esri, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Attachment J 1-193

Wetland and Other Waters
Detail Maps
Baker County
Project Features

- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Pulling and Tensioning

- Structure Work Area
- Mileposts
- Tenth-mile Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- New Road, Bladed

Other Waters
- NANS Streams (NHD)

Source: BLM, IFC, DOFPF, OSOT, WFS, USGS, OSU, USDA, DigitalGlobe, Esri, Earthstar Geographics, CNES/Airbus DS, Akers Mapping, ArcGIS, IGN, swisstopo

Attachment J 1-194
Wetland and Other Waters Detail Maps
Baker County
Boardman to Hemingway Transmission Line Project
Application for Site Certificate

Attachment J 1-195
Wetland and Other Waters Detail Maps
Baker County
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Boardman to Hemingway Transmission Line Project
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Attachment J 1-201
Wetland and Other Waters
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Attachment J 1-202
Wetland and Other Waters
Detail Maps
Baker County
Boardman to Hemingway Transmission Line Project
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Attachment J 1-208
Wetland and Other Waters Detail Maps
Baker County

Project Features
- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road: Substantial Modification, 21-70% Improvements
- Existing Road: Substantial Modification, 71-100% Improvements
- Other Waters
- Field Survey Streams
- Field Survey Wetland

Source(s): BLM, IPC, ODFW, OSU, OROS, OSU, ORD, USGS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerial, GSI, GIIPS, i-cubemaps
Boardman to Hemingway Transmission Line Project Application for Site Certificate

Attachment J-1-211
Wetland and Other Waters Detail Maps
Baker County
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Attachment J 1-213
Wetland and Other Waters
Detail Maps
Baker County
Wetland and Other Waters
Detail Maps
Baker County
Project Features

- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access

Other Waters

- Field Survey Streams

Source(s): BLM, IPC, IDOT, IRS, IRS, ODF, OSU, USDA, NPS, USDA, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

Attachment J 1-215

Wetland and Other Waters
Detail Maps

Baker County
Project Features
Site Boundary
- Proposed Route
- Alternative Route
- Project Centerline
- Proposed Route
- Work Areas
  - Pulling and Tensioning

Structure Work Area
- Mileposts
  - Tenth-mile

Construction Access
- New Road, Bladed
- New Road, Primitive

Other Waters
- NANS Streams (NHD)

Source(s): BLM, ODF, DOT, NFS, USFWS, USGS, USDA, USFS, USGS, Esri, GeoEye, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

Attachment J1-221
Boardman to Hemingway Transmission Line Project
Application for Site Certificate

Wetland and Other Waters
Detail Maps
Baker County
Boardman to Hemingway Transmission Line Project
Application for Site Certificate

Attachment J 1-228
Wetland and Other Waters Detail Maps
Baker County
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Attachment J 1-229
Wetland and Other Waters
Detail Maps
Baker County
Project Features

Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

Mileposts
- Mile
- Tenth-mile

Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- New Road, Primitive

Other Waters
- NANS Streams (NHD)
Boardman to Hemingway Transmission Line Project
Application for Site Certificate

Attachment J 1-232
Wetland and Other Waters
Detail Maps
Baker County
PROJECT AREA

Durbin Creek
Sec. 13
Sec. 14
Sec. 23
Sec. 24

14S 44E

BAKER COUNTY

Durbin Creek Rd

Mileposts

192.7
192.8
192.9

Transportation

Interstates or Highways

Existing Road, Substantial Modification, 21-70% Improvements

New Road, Bladed

Other Waters

Field Survey Streams

Wetland

NANS Wetland (NWI)

Source(s): BLM, IPC, ODFW, ODOT, MPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AKR, Cartography, Amrita, SCA, ESRI, landsat

OREGON Map Area

0 200 Feet

Surrounding Areas:

Attachment J 1-237

Wetland and Other Waters Detail Maps

Application for Site Certificate

Baker County
Boardman to Hemingway Transmission Line Project
Application for Site Certificate

Attachment J-1-239
Wetland and Other Waters
Detail Maps
Baker County
Boardman to Hemingway Transmission Line Project
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Attachment J 1-240
Wetland and Other Waters
Detail Maps
Baker County
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Attachment J1
Proposed Route Location Maps
Malheur County
Map Index
Malheur County

Project Features
- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
  - Pulling and Tensioning
  - Structure Work Area

Mileposts
- Mile
- Tenth-mile

Construction Access
- Existing Road, Substantial Modification, 21-70% Improvements
- New Road, Primitive

Transportation
- Interstates or Highways
- Other Waters
  - NANS Streams (NHD)

Source(s): BLM, IPC, ODFW, DOT, NSF, USDA, USGS, USDA, Ventyx, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Ameytix, GIA, ISF, and Timspace

Attachment J 1-244

Wetland and Other Waters
Detail Maps
Malheur County
**Malheur County**

**Birch Creek**

**Snake River**

**Lockett Rd**

**199.1**

**199.2**

**199.3**

**APPLICATION FOR SITE CERTIFICATE**

**Boardman to Hemingway Transmission Line Project**

**Attachment J1-246**

**Wetland and Other Waters Detail Maps**

**Malheur County**

---

**Project Features**
- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route
- Work Areas
- Structure Work Area

**Mileposts**
- Tenth-mile

**Transportation**
- Interstates or Highways
- Other Waters
  - NANS Streams (NHD)
  - Wetland
    - NANS Wetland (NWI)

---

Source(s): BLM, IPC, DOT, NPS, ISS, ITS, ISDS, Intergov, DigitalGlobe, Esri, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

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0 Feet

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Boardman to Hemingway Transmission Line Project
Application for Site Certificate

Attachment J 1-256
Wetland and Other Waters Detail Maps
Malheur County
Malheur County

Attachment J 1-257
Wetland and Other Waters
Detail Maps
Malheur County
17S 44E

MALHEUR COUNTY

Project Features
- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route Work Areas
- Communication Station
- Pulling and Tensioning
- Structure Work Area
- Distribution Line to Communication Station (IPC Service Territory Only)

Mileposts
- Mile
- Tenth-mile

Construction Access
- New Road, Bladed
- New Road, Primitive

Other Waters
- Field Survey Streams
- Wetland
- Field Survey Wetland

Source(s): BLM, IPC, ODFW, ODOT, NFS, USGS, USFWS, USDA, USFS, swisstopo, CNES/Airbus DS, AEX, Getmapping, Aerogrid, GeoEys, Earthstar Geographics, DigitalGlobe, Earthstar Geographics, swisstopo

Attachment J 1-258
Boardman to Hemingway Transmission Line Project
Application for Site Certificate
Wetland and Other Waters Detail Maps
Malheur County
Project Features
- Site Boundary
- Proposed Route
- Alternative Route
- Route Centerline
- Proposed Route Work Areas
- Pulling and Tensioning
- Structure Work Area
- Mileposts
- Tenth-mile
- Other Waters
  - Field Survey Streams
  - NANS Streams (NHD)
- Wetland
  - NANS Wetland (NWI)

Source(s): BLM, IPC, ODFW, USGS, UNESCO, USEA, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, Earthstar Geographics, CNES/Airbus DS, AGI, Geoeye, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

Map Area

0 200 Feet

Boardman to Hemingway Transmission Line Project
Application for Site Certificate

Attachment J1-259
Wetland and Other Waters Detail Maps
Malheur County
Project Features
- Site Boundary
- Proposed Route
- Alternative Route
- Mileposts
- Work Areas
- Structure Work Area
- Other Waters
- WANS Streams (NHD)

Mileposts:
- 222.7
- 222.8
- 222.9
- Tenth-mile

Construction Access:
- New Road, Blasted
- New Road, Primitive

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

Attachment J1-262
Wetland and Other Waters Detail Maps
Malheur County
Project Features
Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road, Substantial Modification, 71-100% Improvements

Other Waters
- NANS Streams (NHD)

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Amagant, iGis, IGN, swisstopo
Project Features
- Site Boundary
- Proposed Route
- Alternative Route
- Construction Access
- Existing Road, Substantial Modification, 71-100% Improvements

Other Waters
- Field Survey Streams

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USGS, Vertco, Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, Elsevier, IGN, IGP, swisstopo

Boardman to Hemingway Transmission Line Project
Application for Site Certificate
Attachment J1-283
Wetland and Other Waters Detail Maps
Malheur County
Malheur County

**Map Area**

- **Source(s):** BLM, IPC, ODFW, ODST, NPS, USDA, USGSS, Verizon, Esri, DigitalGlobe, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo

**Map Features**

- **Proposed Route**
- **Alternative Route**
- **Route Centerline**
- **Proposed Route**
- **Work Areas**
  - Light-Duty Fly Yard
- **Structure Work Area**
- **Mileposts**
- **Construction Access**
  - Existing Road, Substantial Improvement, 71-100%
  - New Road, Bladed

**Other Waters**

- NANS Streams (NHD)

**Boardman to Hemingway Transmission Line Project Application for Site Certificate**

**Attachment J1-284**

**Wetland and Other Waters Detail Maps**

Malheur County
Attachment J1-286
Wetland and Other Waters
Detail Maps
Malheur County
Boardman to Hemingway Transmission Line Project
Application for Site Certificate

Attachment J1-290

Wetland and Other Waters
Detail Maps

Malheur County
PROJECT AREA

Sand Hollow
Sec. 31
19S 44E

MALHEUR COUNTY

Project Features
Site Boundary
Proposed Route
Alternative Route
Construction Access
Existing Road, Substantial
Modification, 75-100%
Improvements

Other Waters
NANS Streams (NHD)

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Vernex, Esri, DigitalGlobe, Geoveris, Garmin, Esri, CNES/Airbus DS, AEX, Getmapping, Avenza, IGN, swisstopo

Attachment J1-295
Wetland and Other Waters
Detail Maps
Malheur County
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Attachment J1-296
Wetland and Other Waters
Detail Maps
Malheur County