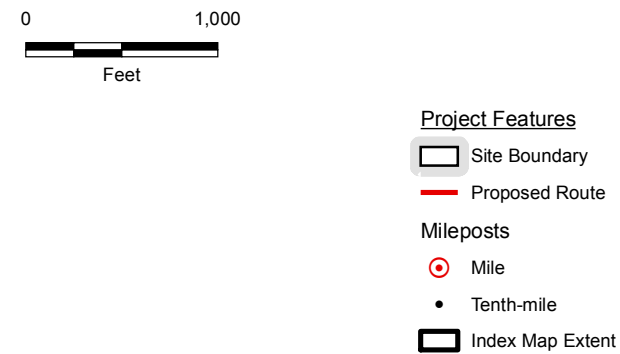
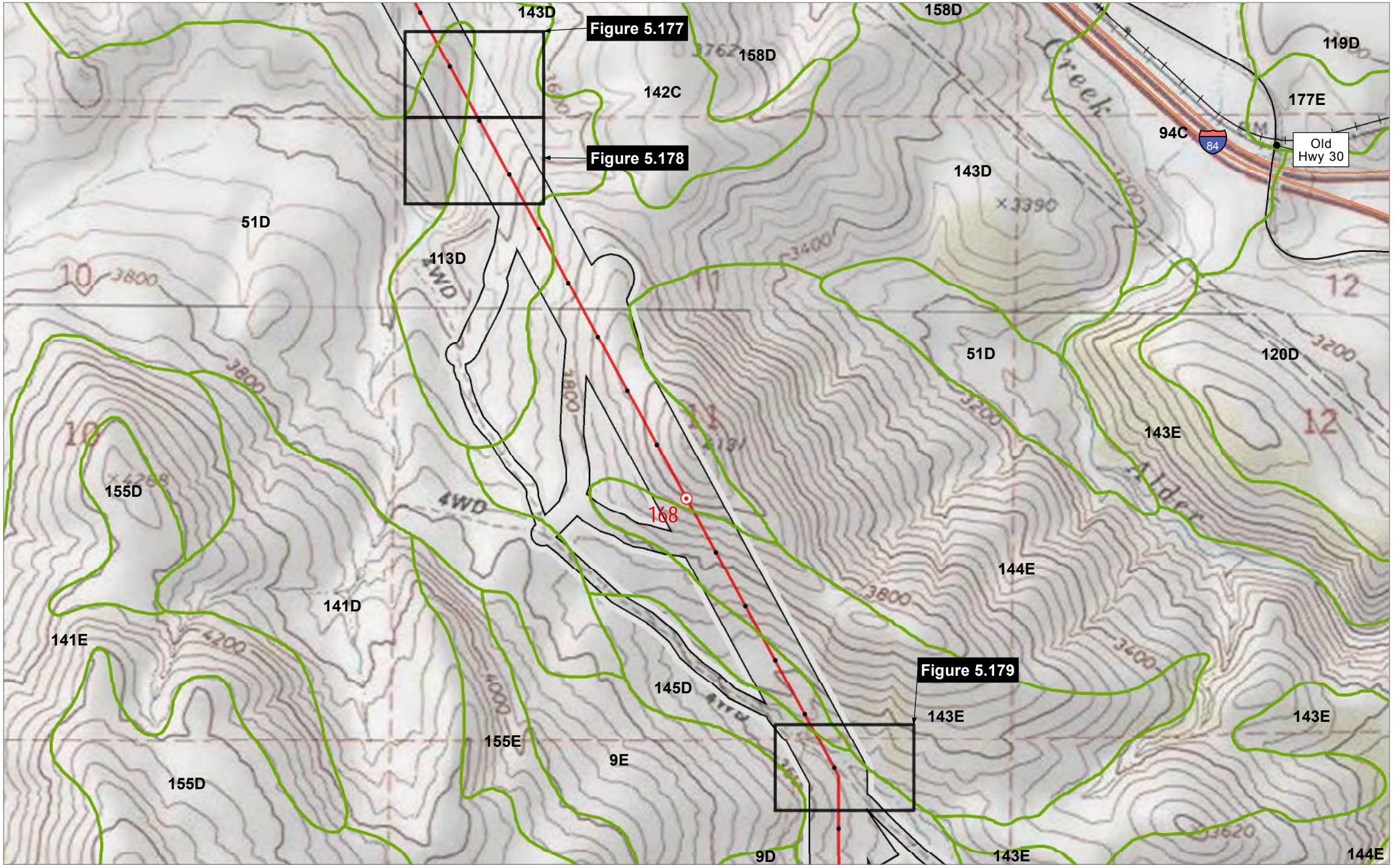


Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
 Image Source: National Agricultural Imagery Program 2016
 Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011



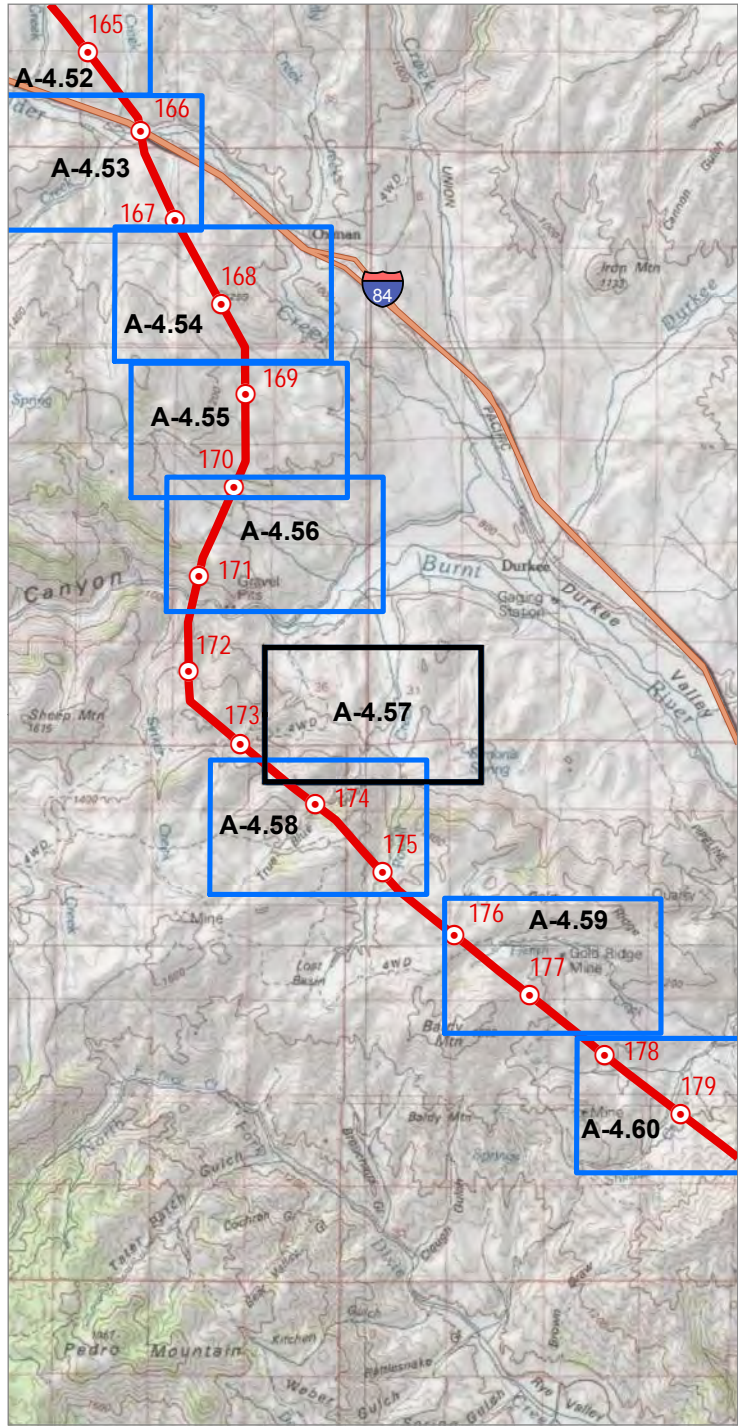
Project Features
 Site Boundary
 Proposed Route
 Mileposts
 Mile
 Tenth-mile
 Index Map Extent

National Resource Conservation Service
 Soils (SSURGO)
 (for soil type see table)

Other Features
 Interstates or Highways
 Other Major Roads
 Railroads

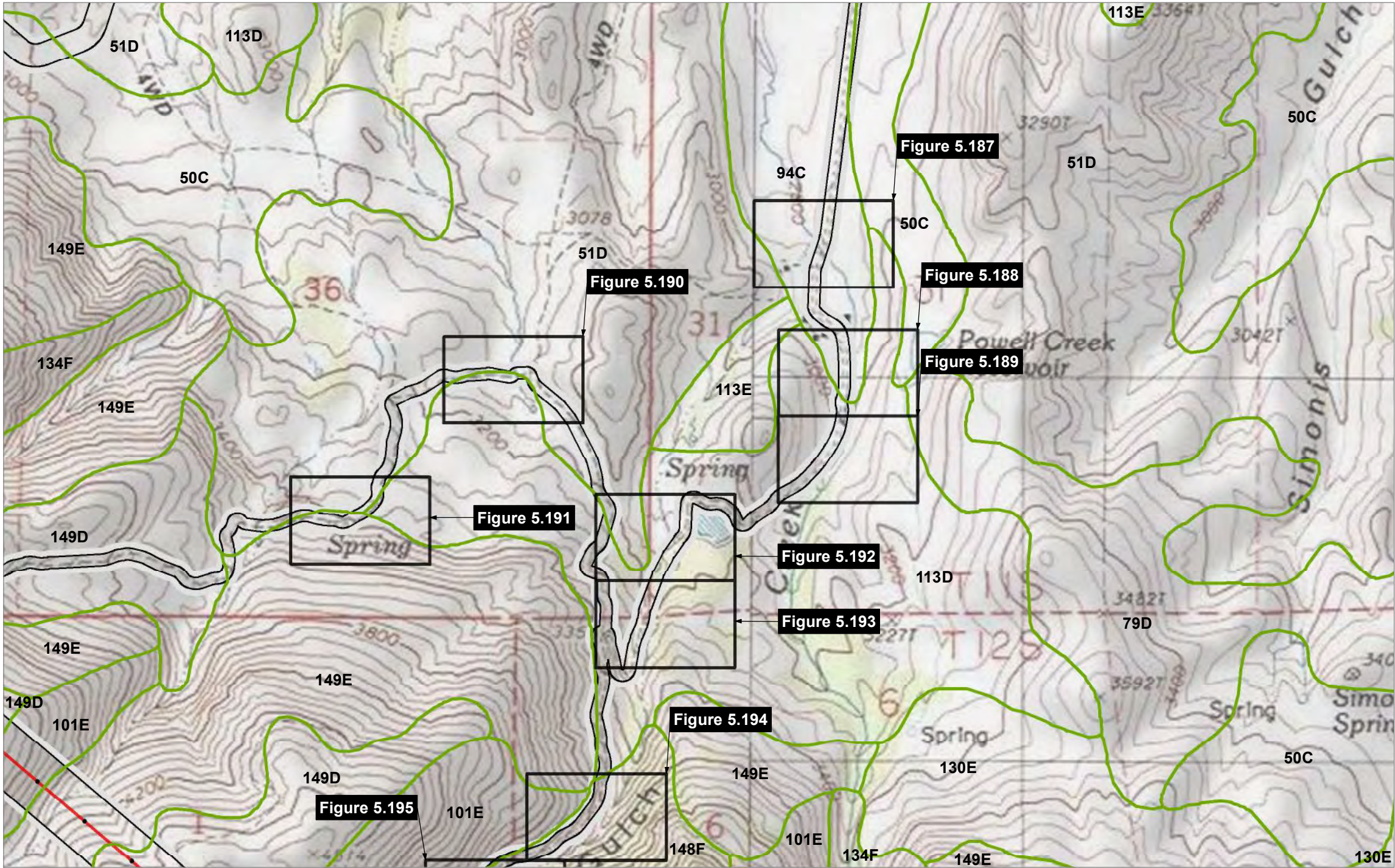
IDAHO POWER
 An IDACORP Company
 Boardman to Hemingway
 Transmission Line Project
 Application for Site Certificate

Figure A-4.54
Wetland and Other Waters
Delineation Report
Soil Map
Baker County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

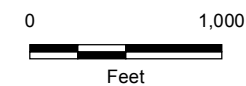
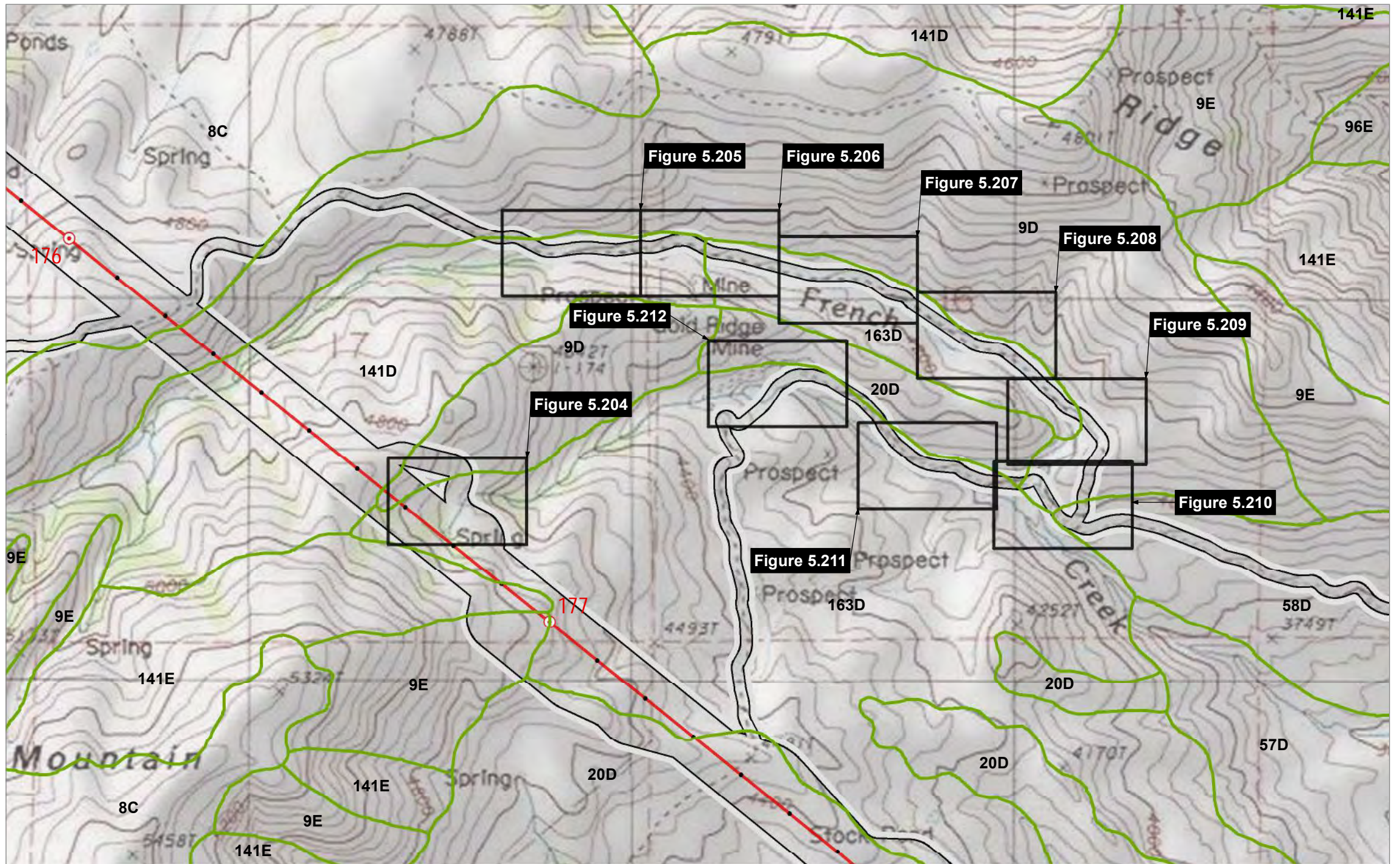
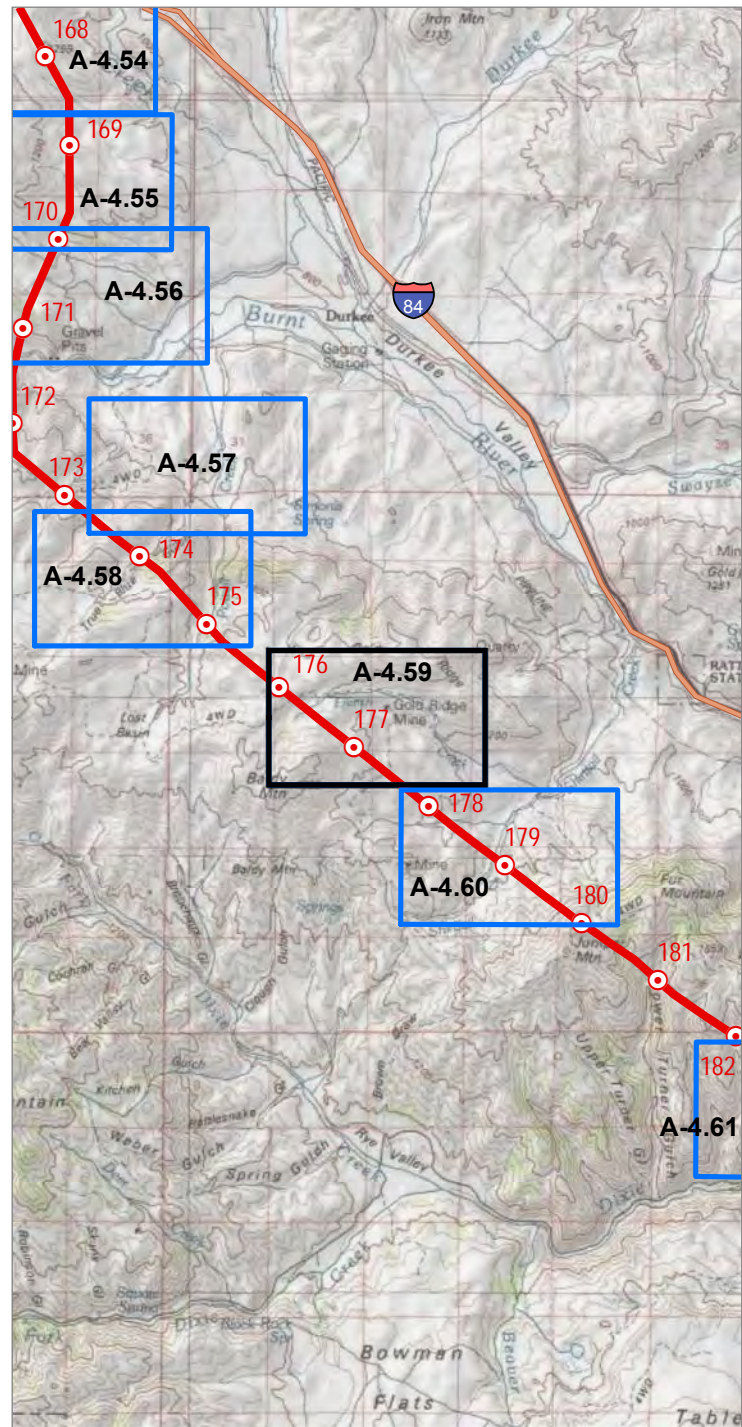
Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011



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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-4.57
Wetland and Other Waters
Delineation Report
Soil Map
Baker County



- Project Features**
- Site Boundary
 - Proposed Route
- Mileposts**
- Mile
 - Tenth-mile
 - Index Map Extent
- National Resource Conservation Service**
- Soils (SSURGO) (for soil type see table)

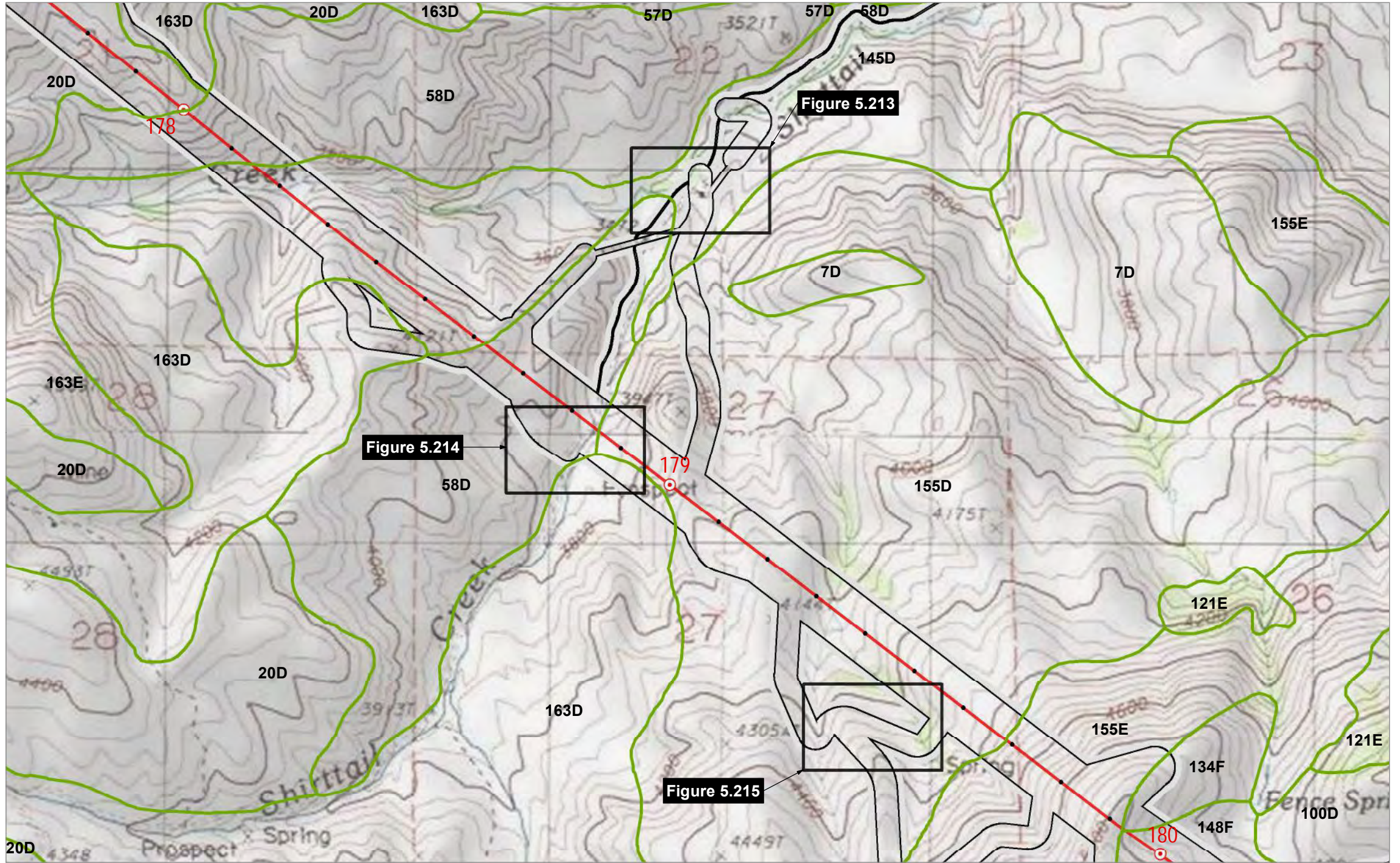
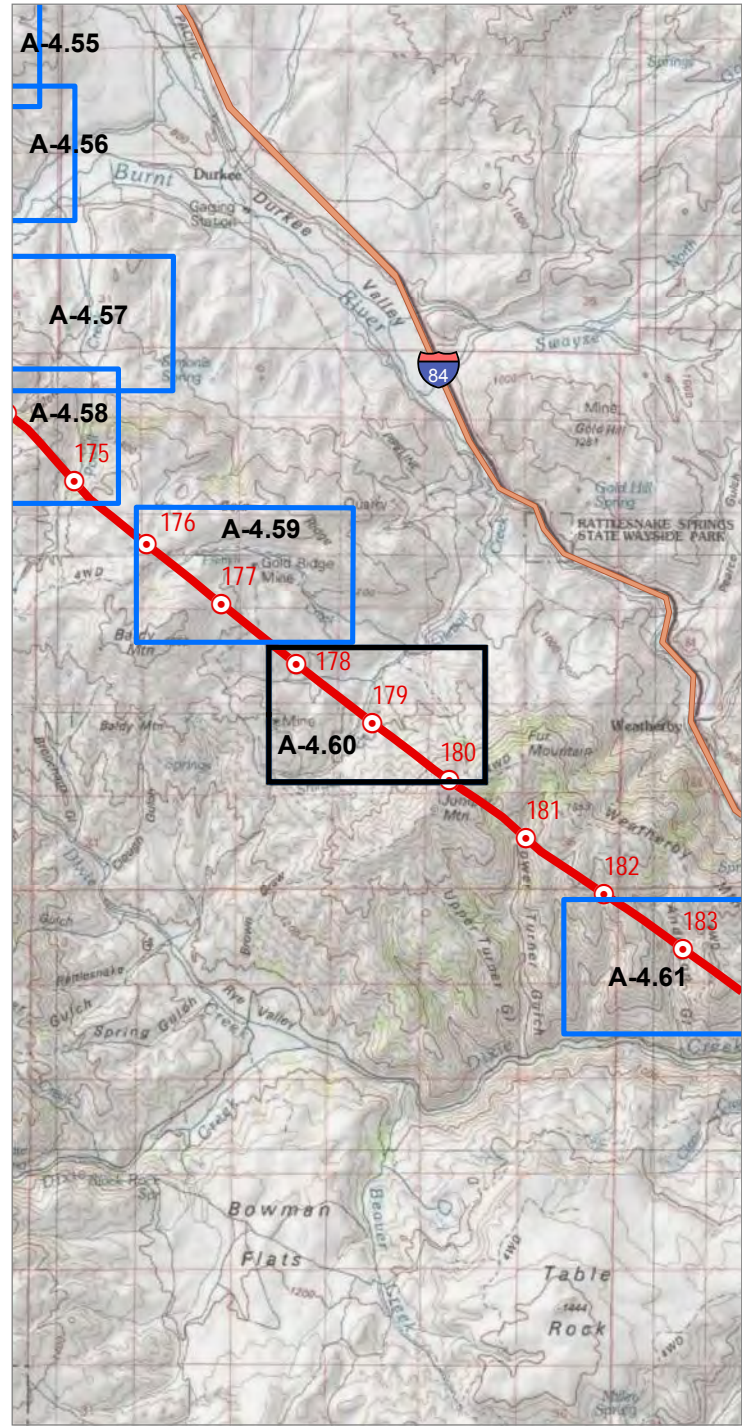


Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-4.59
Wetland and Other Waters
Delineation Report
Soil Map
Baker County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

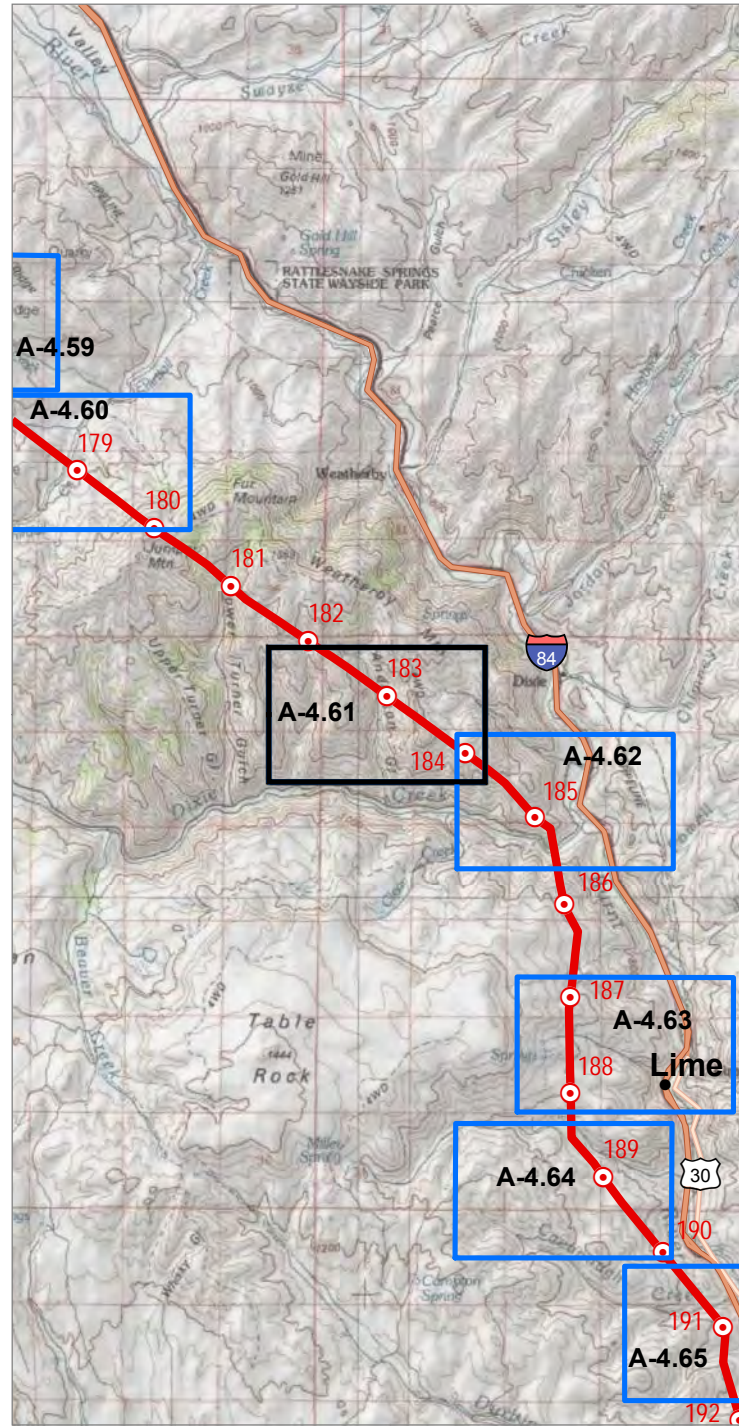
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Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

- Project Features**
- Site Boundary
 - Proposed Route
- Mileposts**
- Mile
 - Tenth-mile
 - Index Map Extent
- National Resource Conservation Service**
- Soils (SSURGO)
(for soil type see table)

IDAHO POWER
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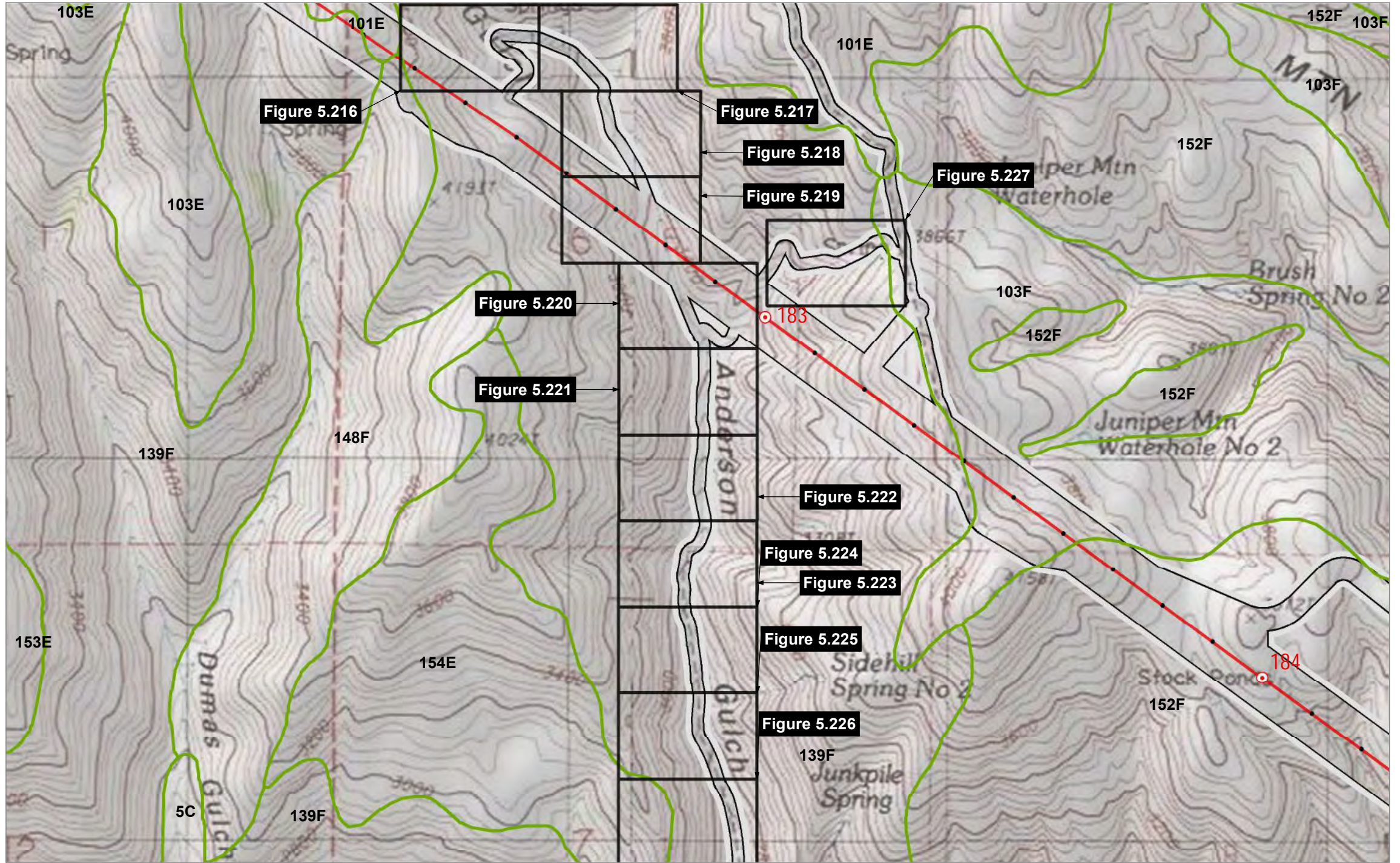
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-4.60
Wetland and Other Waters
Delineation Report
Soil Map
Baker County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
 Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011

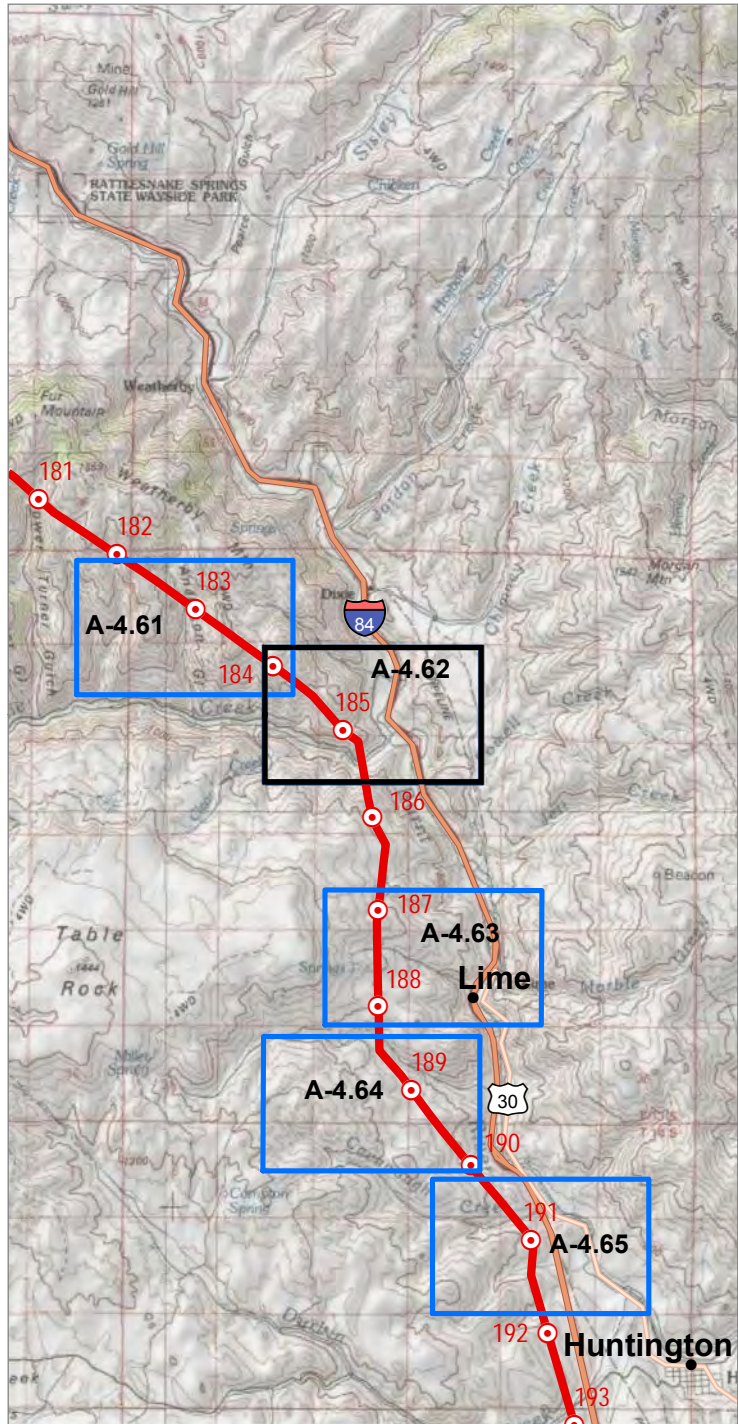


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| Project Features | National Resource Conservation Service |
| Site Boundary | Soils (SSURGO)
(for soil type see table) |
| Proposed Route | |
| Mileposts | |
| Mile | |
| Tenth-mile | |
| Index Map Extent | |

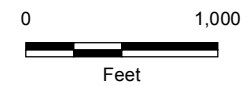
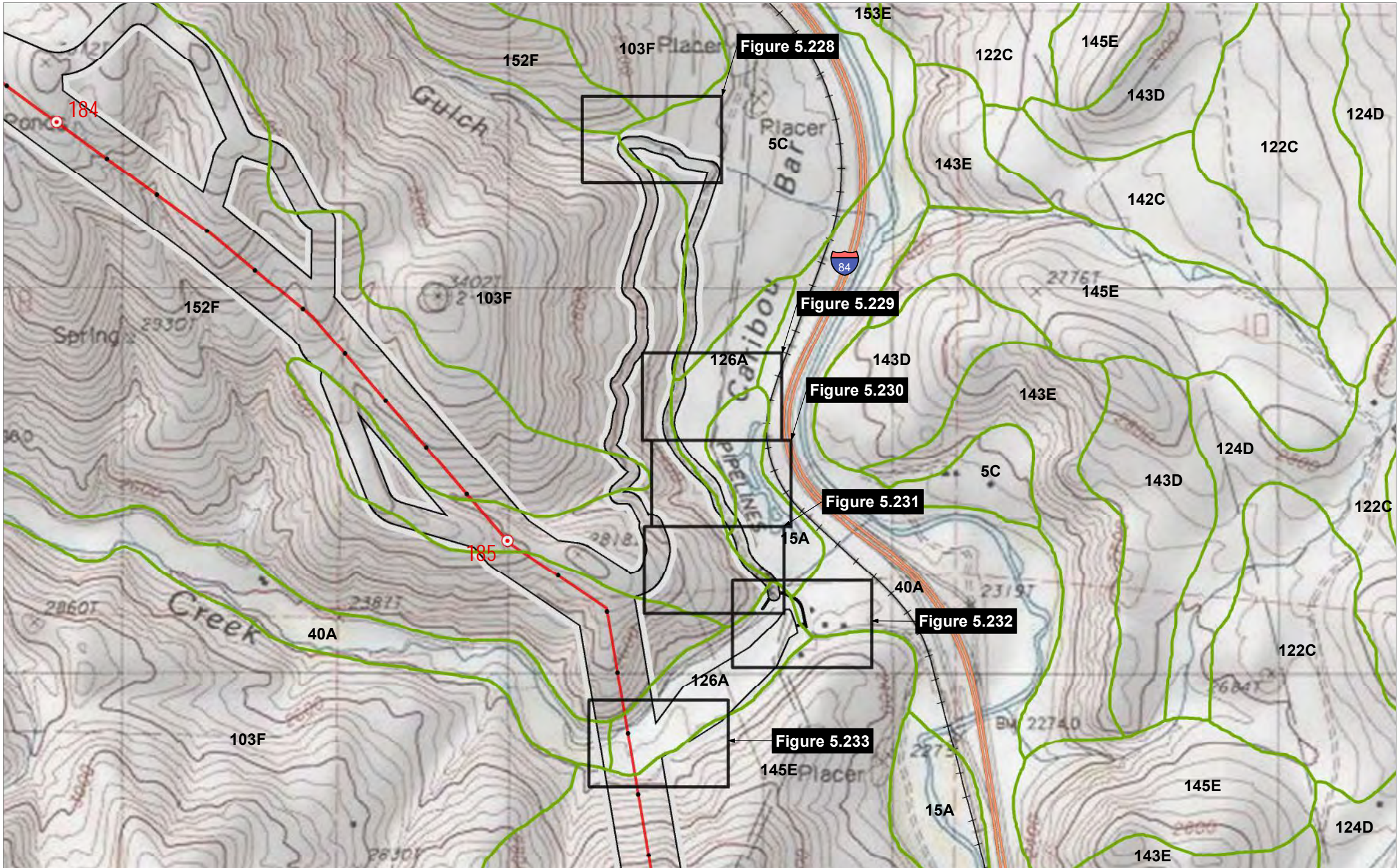
IDAHO POWER
 An IDACORP Company

Boardman to Hemingway
 Transmission Line Project
 Application for Site Certificate

Figure A-4.61
Wetland and Other Waters
Delineation Report
Soil Map
 Baker County



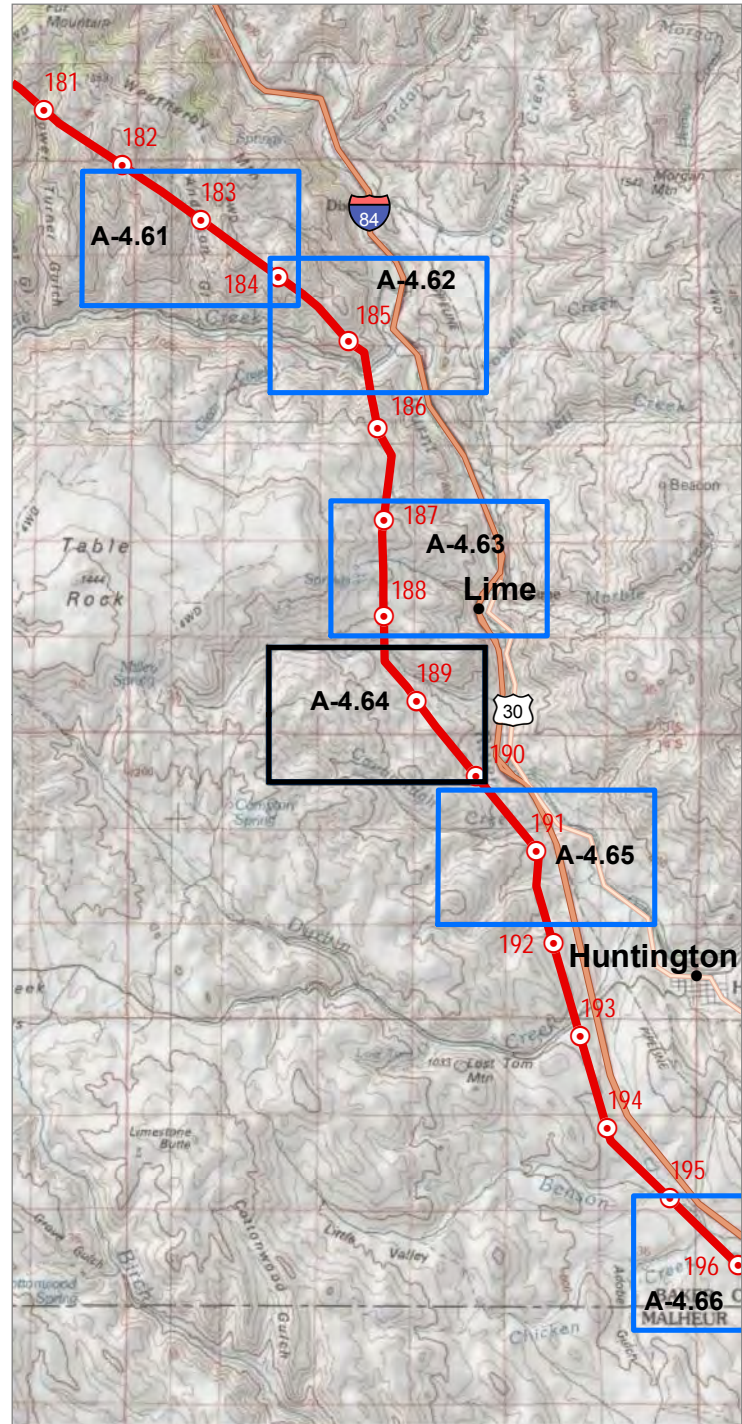
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 Image Source: National Agricultural Imagery Program 2016
 Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011



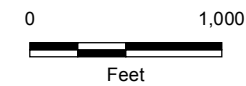
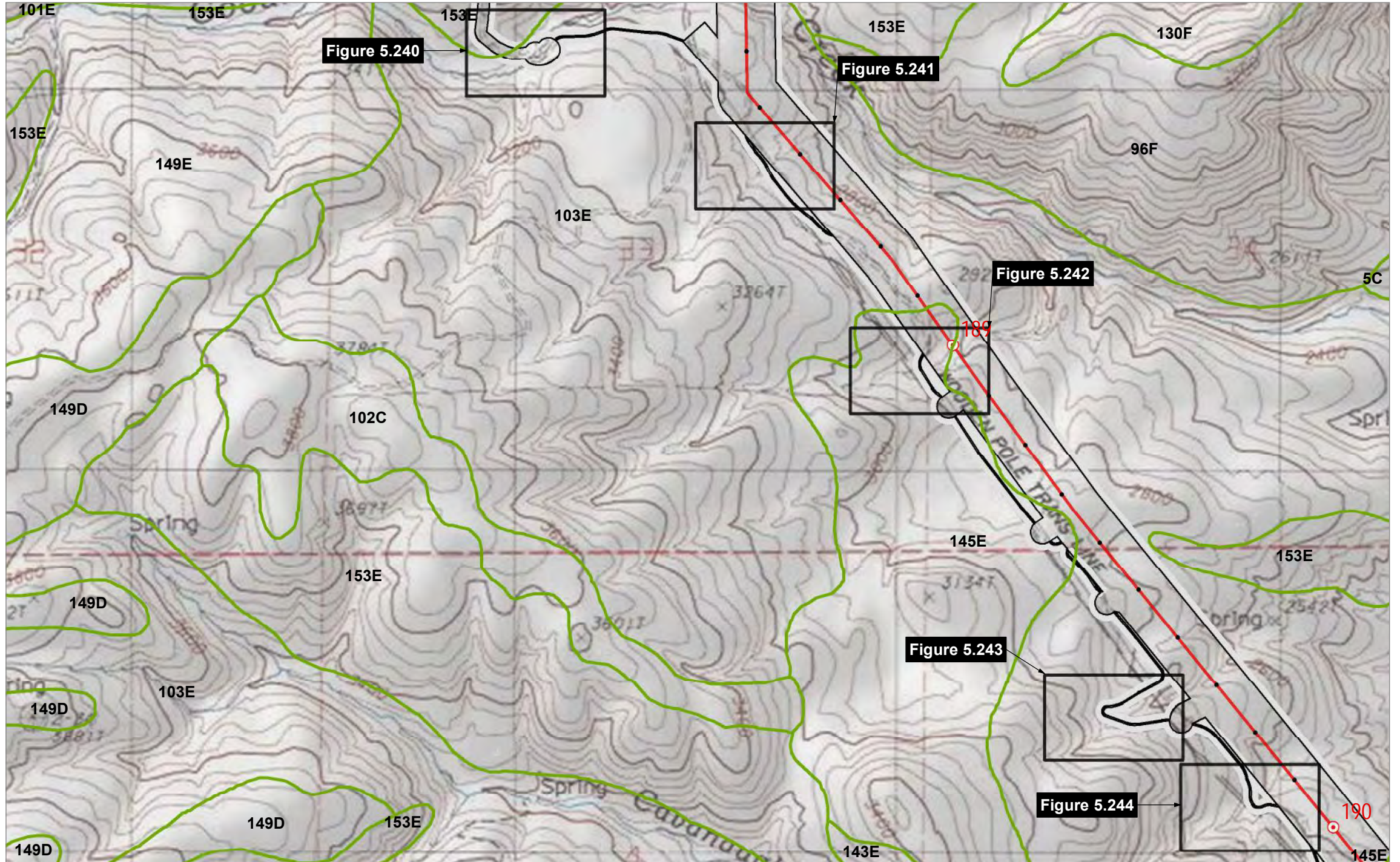
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|--|--|---|
| Project Features
Site Boundary
Proposed Route
Mileposts
Mile
Tenth-mile
Index Map Extent | National Resource Conservation Service
Soils (SSURGO)
(for soil type see table) | Other Features
Interstates or Highways
Railroads |
|--|--|---|

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 Boardman to Hemingway
 Transmission Line Project
 Application for Site Certificate

Figure A-4.62
Wetland and Other Waters
Delineation Report
Soil Map
 Baker County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
 Image Source: National Agricultural Imagery Program 2016
 Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011

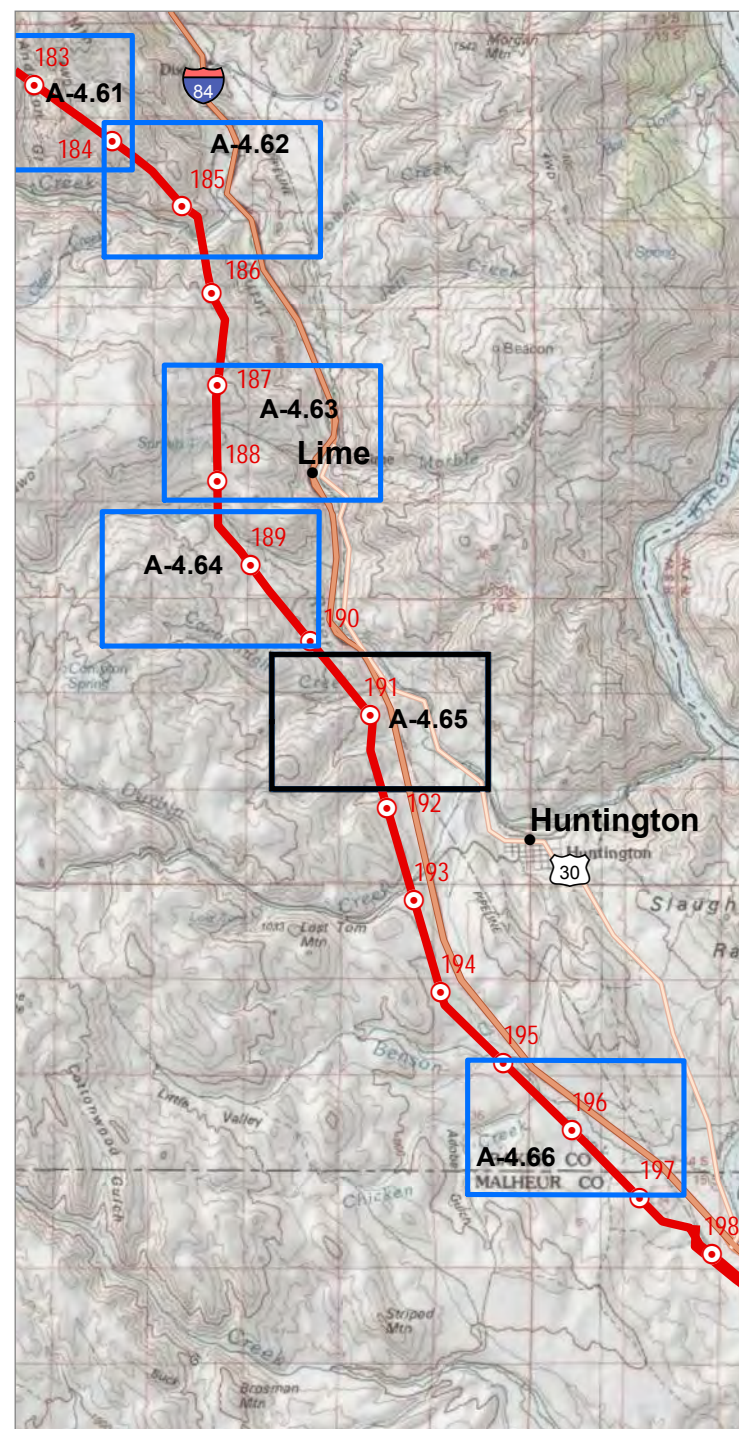


- Project Features**
- Site Boundary
 - Proposed Route
- Mileposts**
- Mile
 - Tenth-mile
 - Index Map Extent
- National Resource Conservation Service**
- Soils (SSURGO) (for soil type see table)



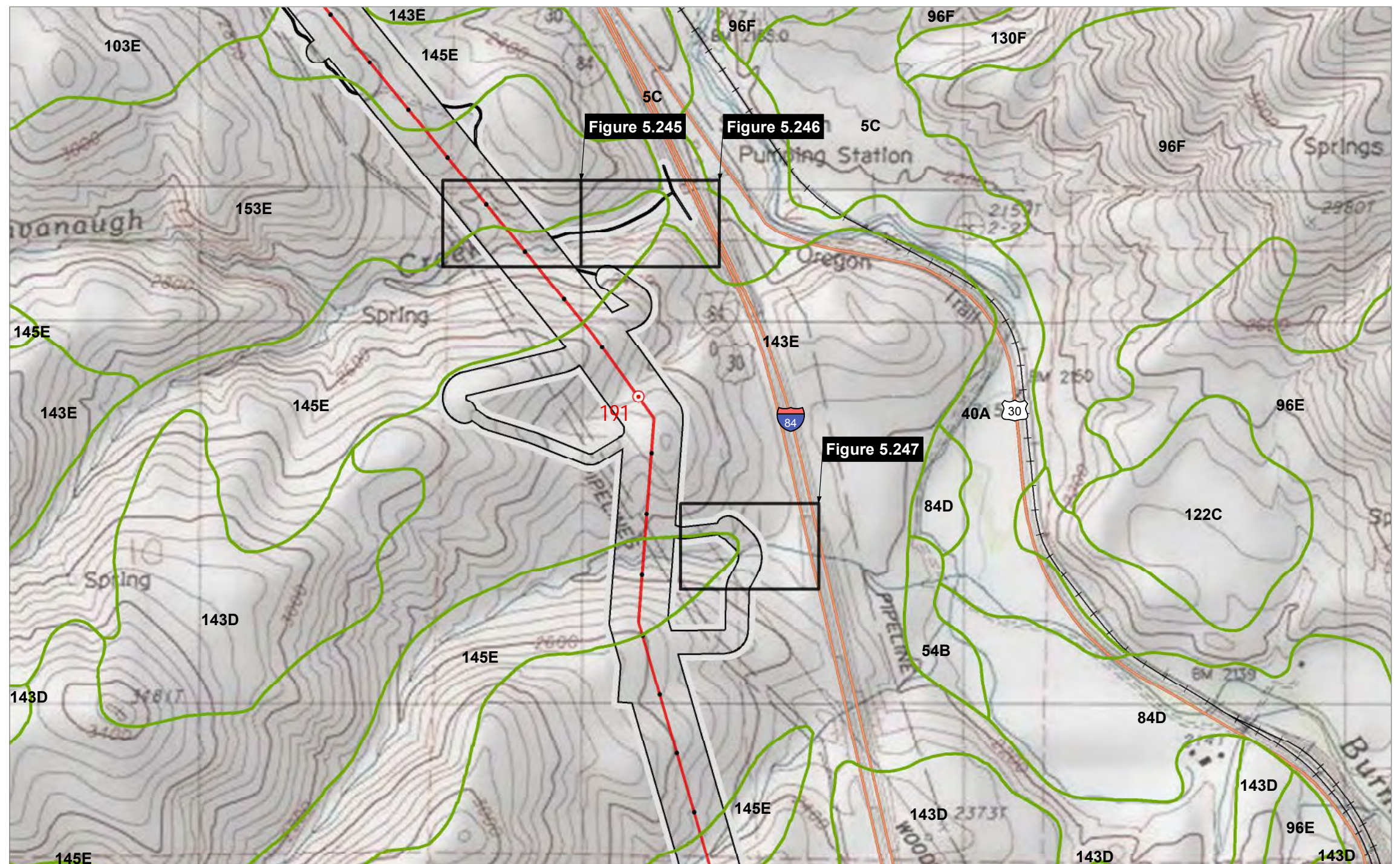
Boardman to Hemingway
 Transmission Line Project
 Application for Site Certificate

Figure A-4.64
Wetland and Other Waters
Delineation Report
Soil Map
 Baker County








Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016


Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011



Project Features

-  Site Boundary
 Proposed Route
Mileposts
 Mile
 Tenth-mile
 Index Map Extent

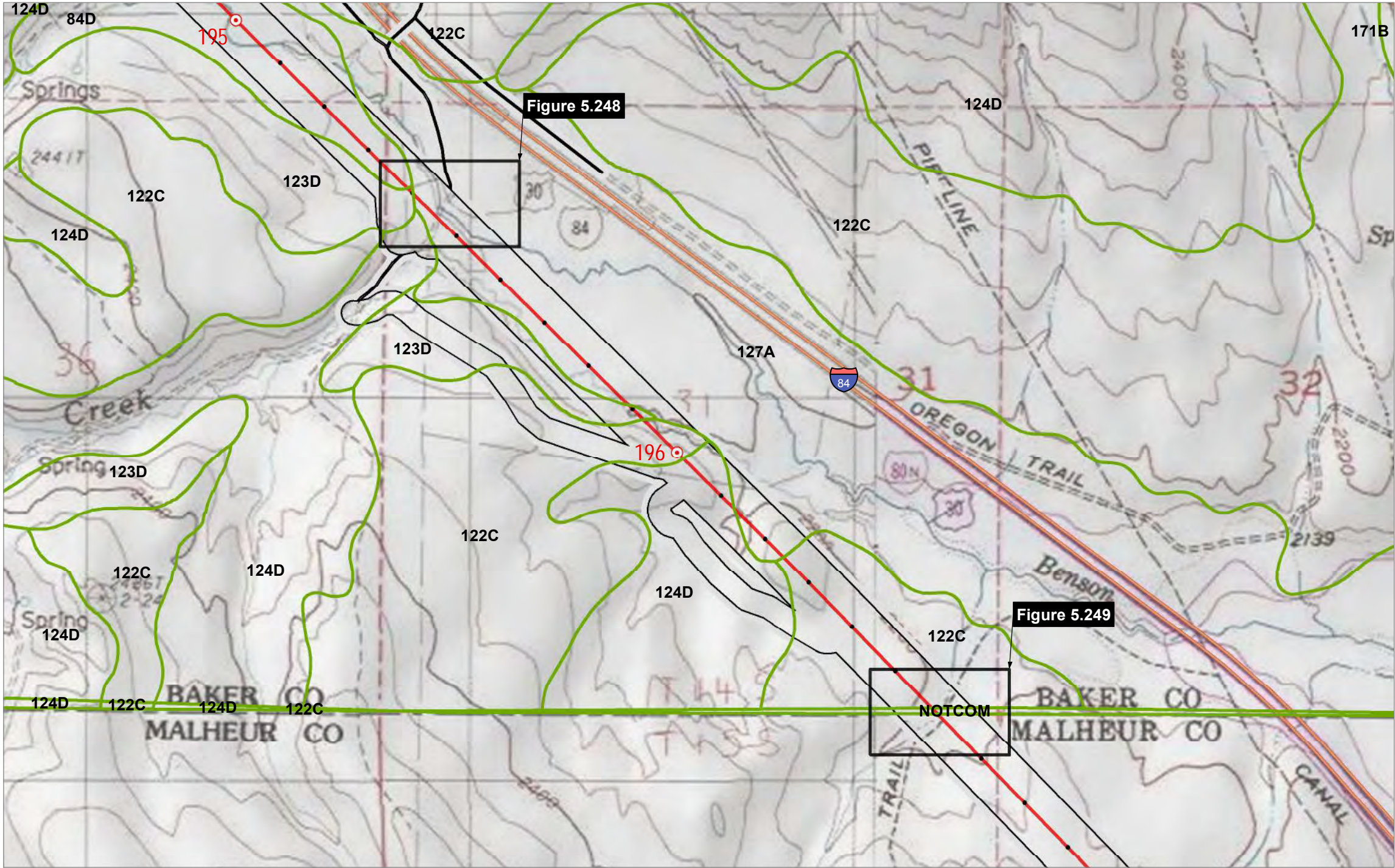
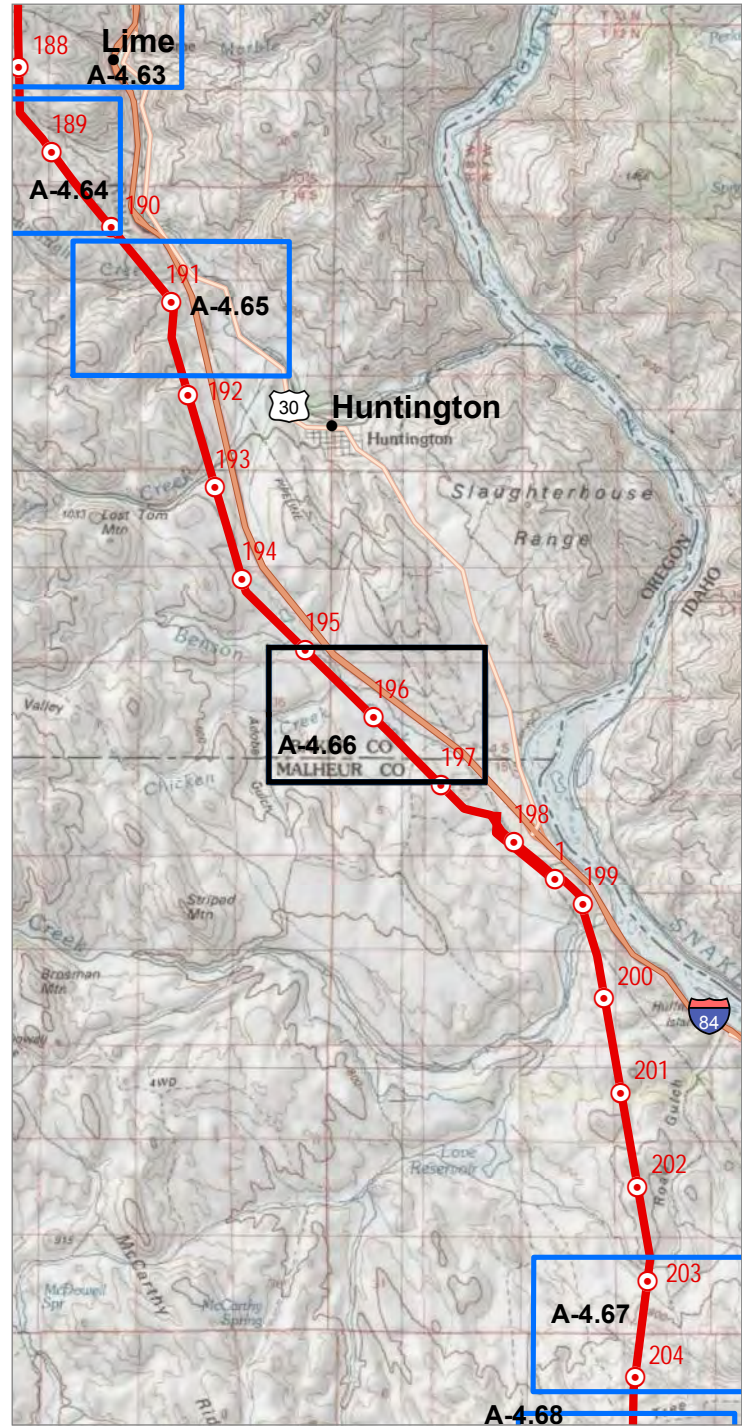
National Resource
Conservation Service

-  Soils (SSURGO)
(for soil type see table)

Other Features

- Interstates or Highways
- Railroads

Figure A-4.65
Wetland and Other Waters
Delineation Report
Soil Map
Baker County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
 Image Source: National Agricultural Imagery Program 2016

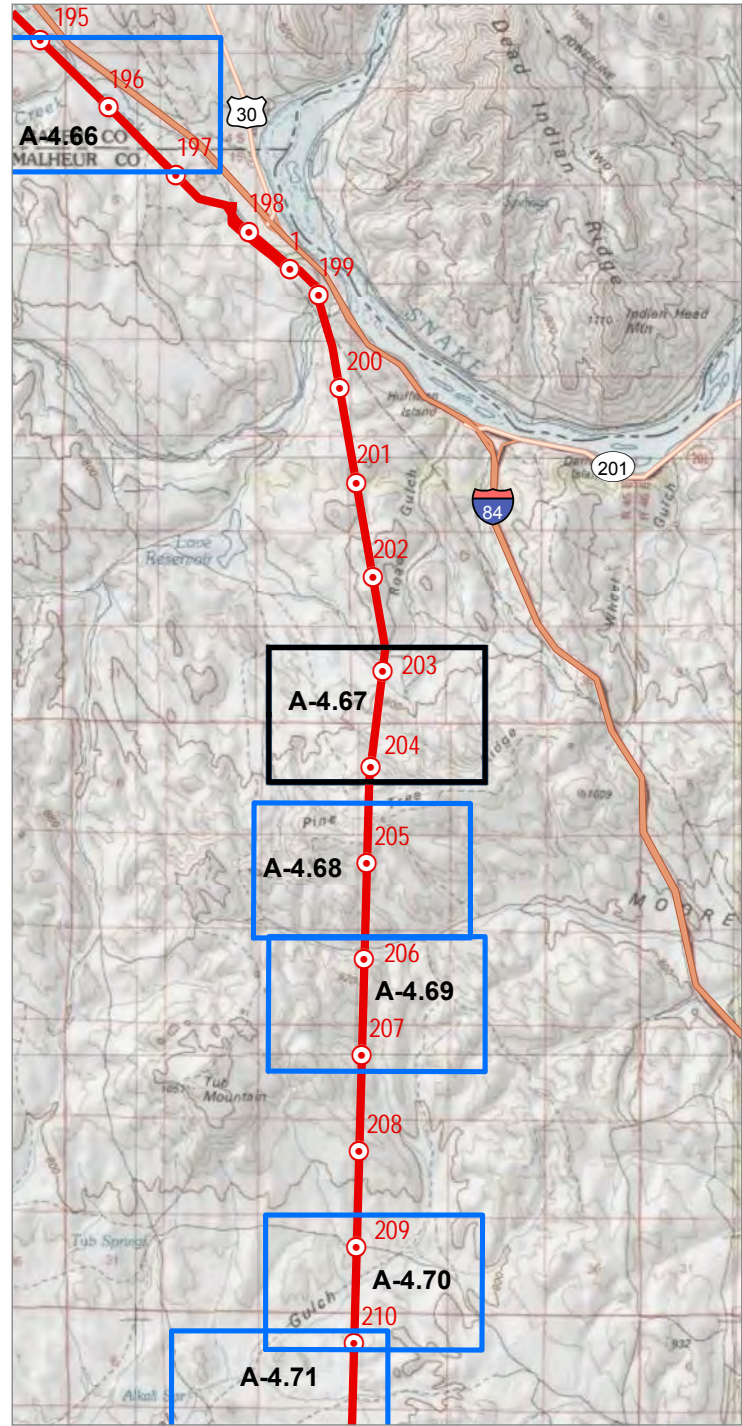
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 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011

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|--|--|--|
| Project Features
Site Boundary
Proposed Route
Mileposts
Mile
Tenth-mile
Index Map Extent | National Resource Conservation Service
Soils (SSURGO)
(for soil type see table) | Other Features
Interstates or Highways |
|--|--|--|

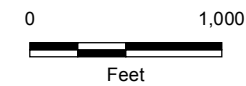
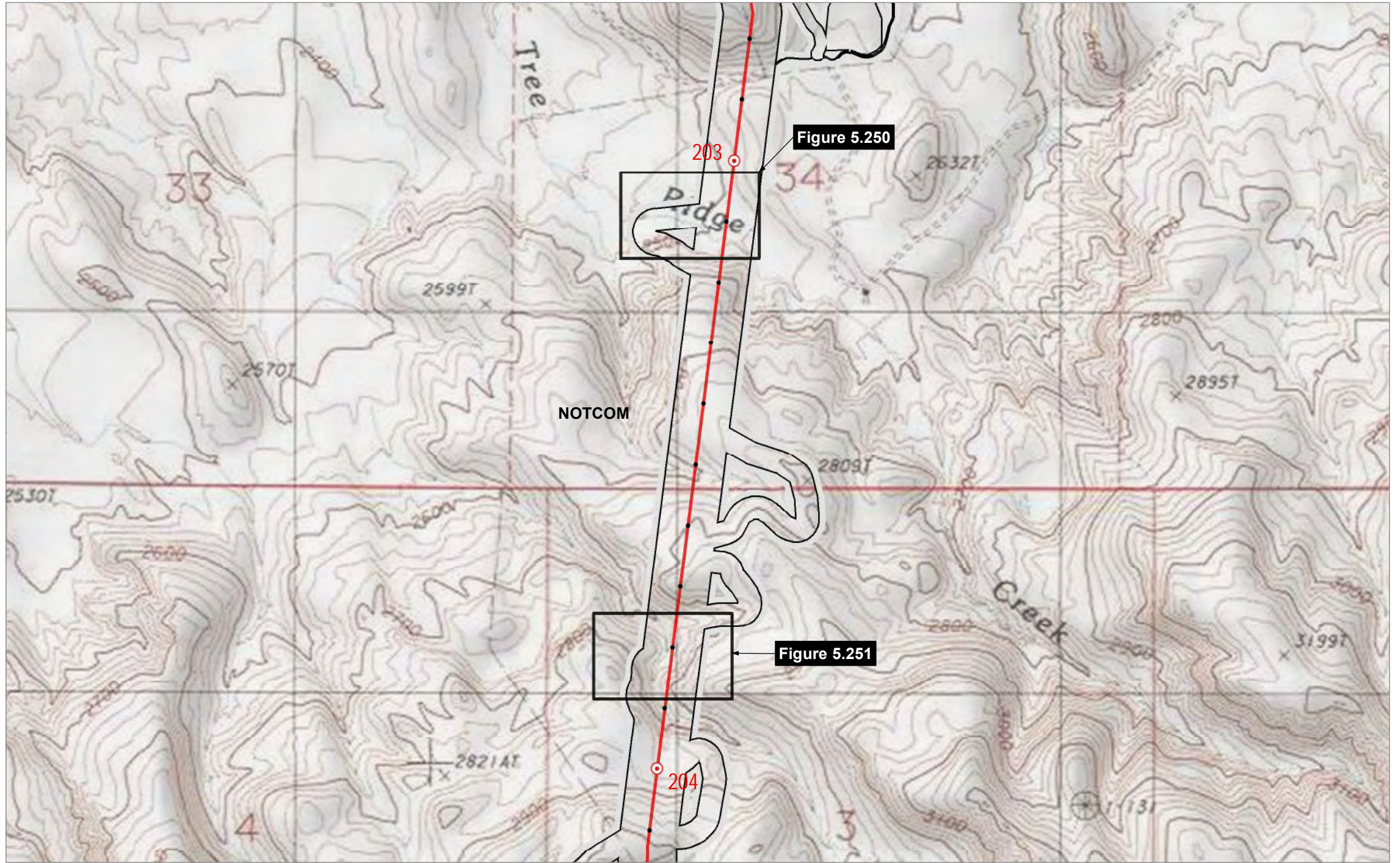
IDAHO POWER
 An IDACORP Company

Boardman to Hemingway
 Transmission Line Project
 Application for Site Certificate

Figure A-4.66
Wetland and Other Waters
Delineation Report
Soil Map
 Baker County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
 Image Source: National Agricultural Imagery Program 2016
 Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011



- | | |
|-------------------------|---|
| Project Features | National Resource Conservation Service |
| Site Boundary | Soils (SSURGO)
(for soil type see table) |
| Proposed Route | |
| Mileposts | |
| Mile | |
| Tenth-mile | |
| Index Map Extent | |

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 Boardman to Hemingway
 Transmission Line Project
 Application for Site Certificate

Figure A-4.67
Wetland and Other Waters
Delineation Report
Soil Map
 Malheur County

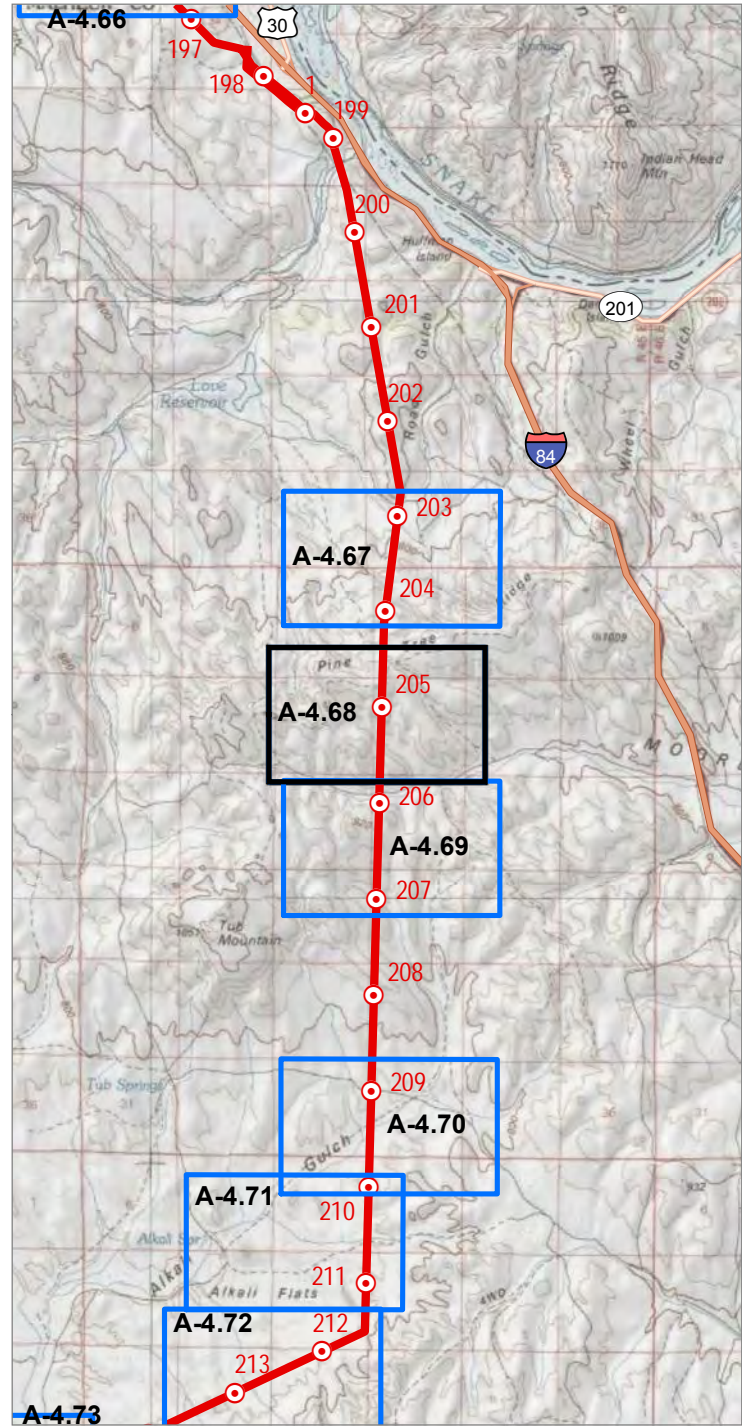
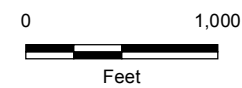


Figure 5.252



- Project Features**
- Site Boundary
 - Proposed Route
- Mileposts**
- Mile
 - Tenth-mile
 - Index Map Extent
- National Resource Conservation Service**
- Soils (SSURGO) (for soil type see table)

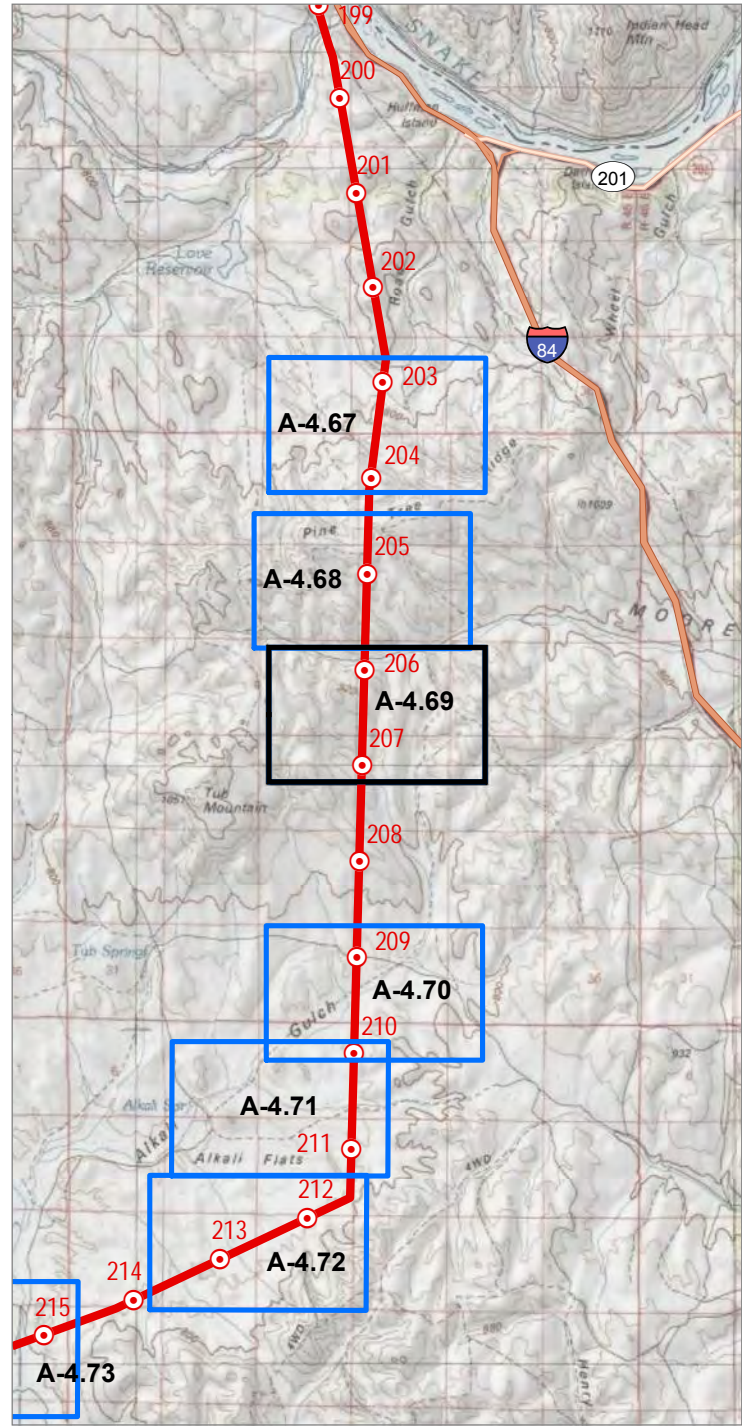
IDAHO POWER
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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-4.68
Wetland and Other Waters
Delineation Report
Soil Map
Malheur County

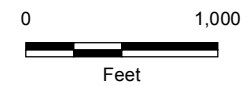
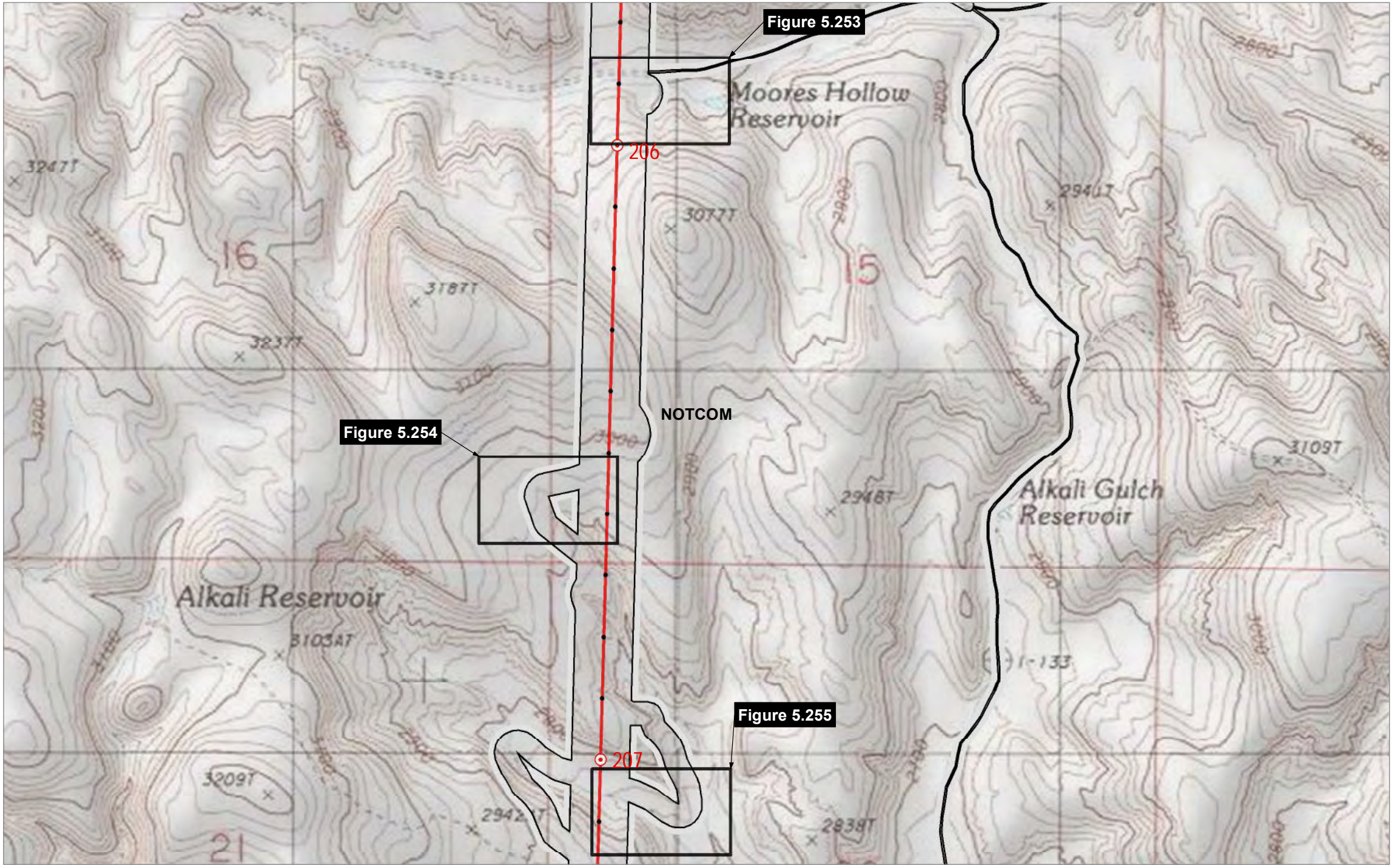
Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
 Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011

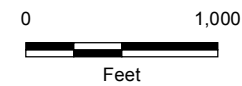
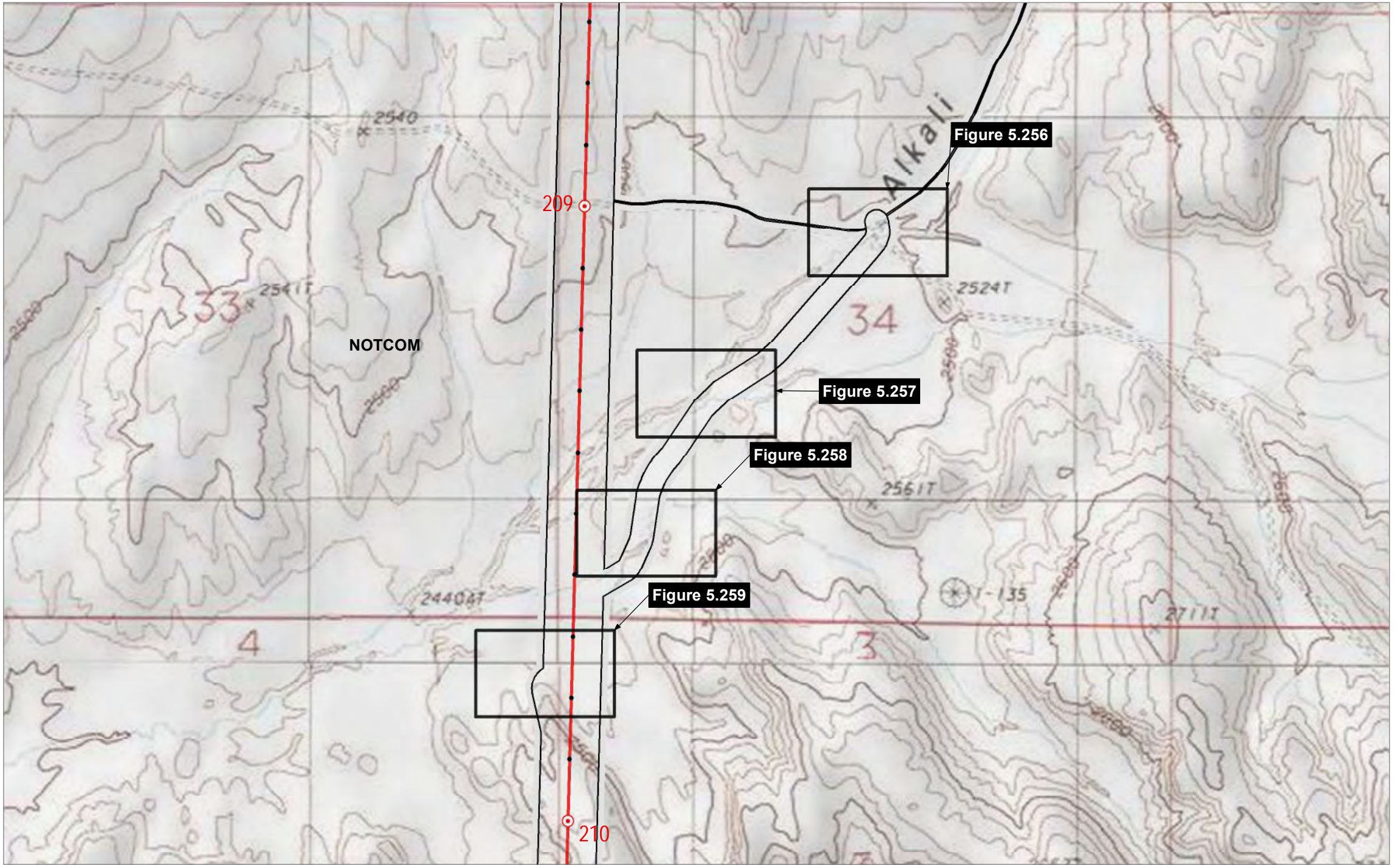
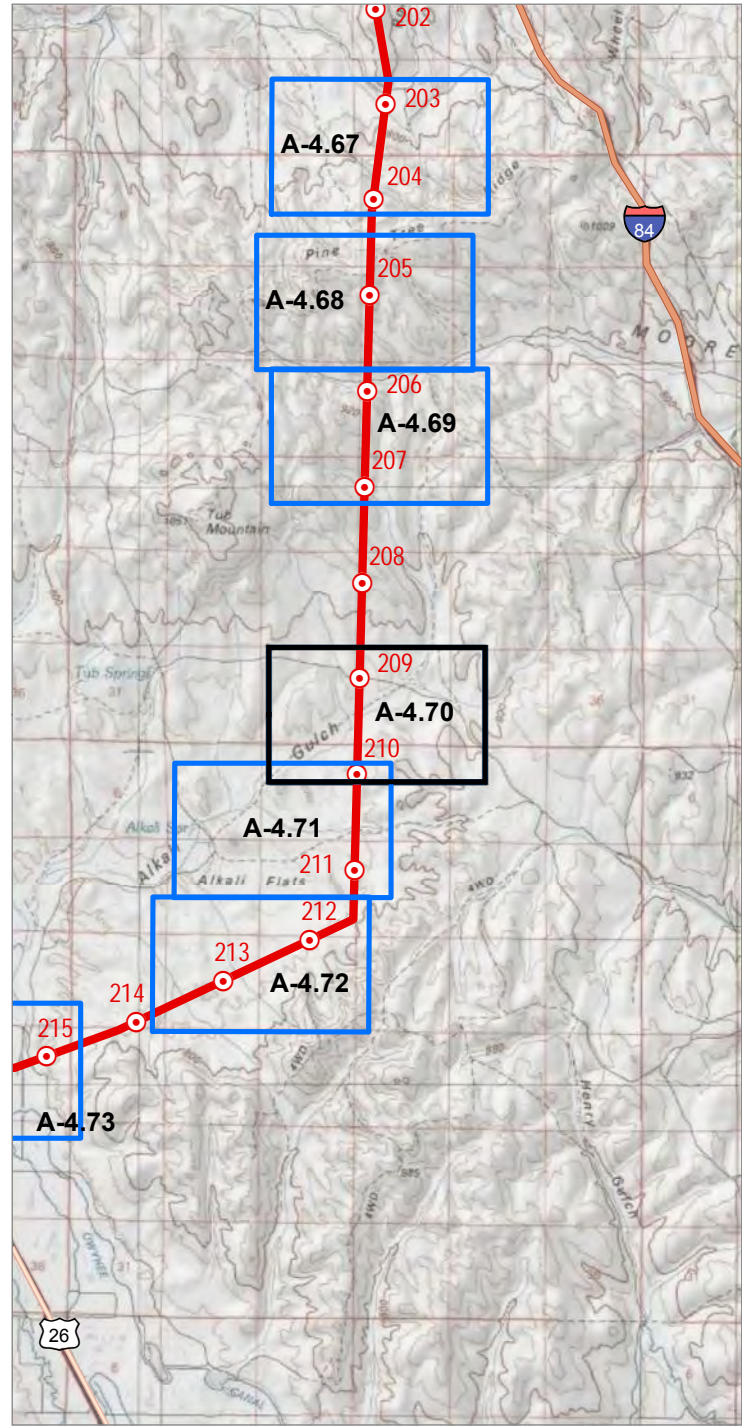


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|-------------------------|---|
| Project Features | National Resource Conservation Service |
| Site Boundary | Soils (SSURGO)
(for soil type see table) |
| Proposed Route | |
| Mileposts | |
| Mile | |
| Tenth-mile | |
| Index Map Extent | |

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Figure A-4.69
Wetland and Other Waters
Delineation Report
Soil Map
 Malheur County



- Project Features**
- Site Boundary
 - Proposed Route
- Mileposts**
- Mile
 - Tenth-mile
 - Index Map Extent
- National Resource Conservation Service**
- Soils (SSURGO) (for soil type see table)

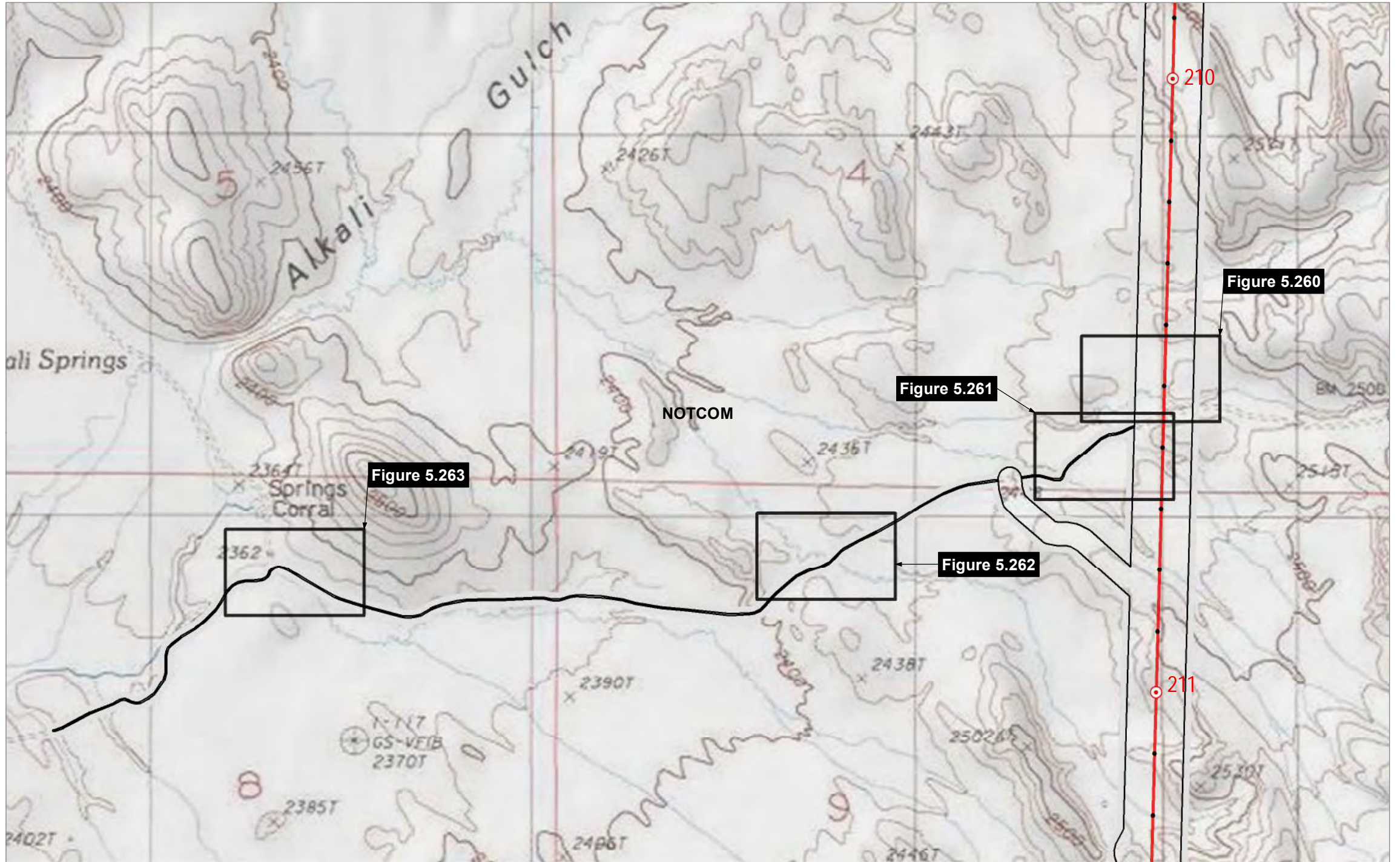
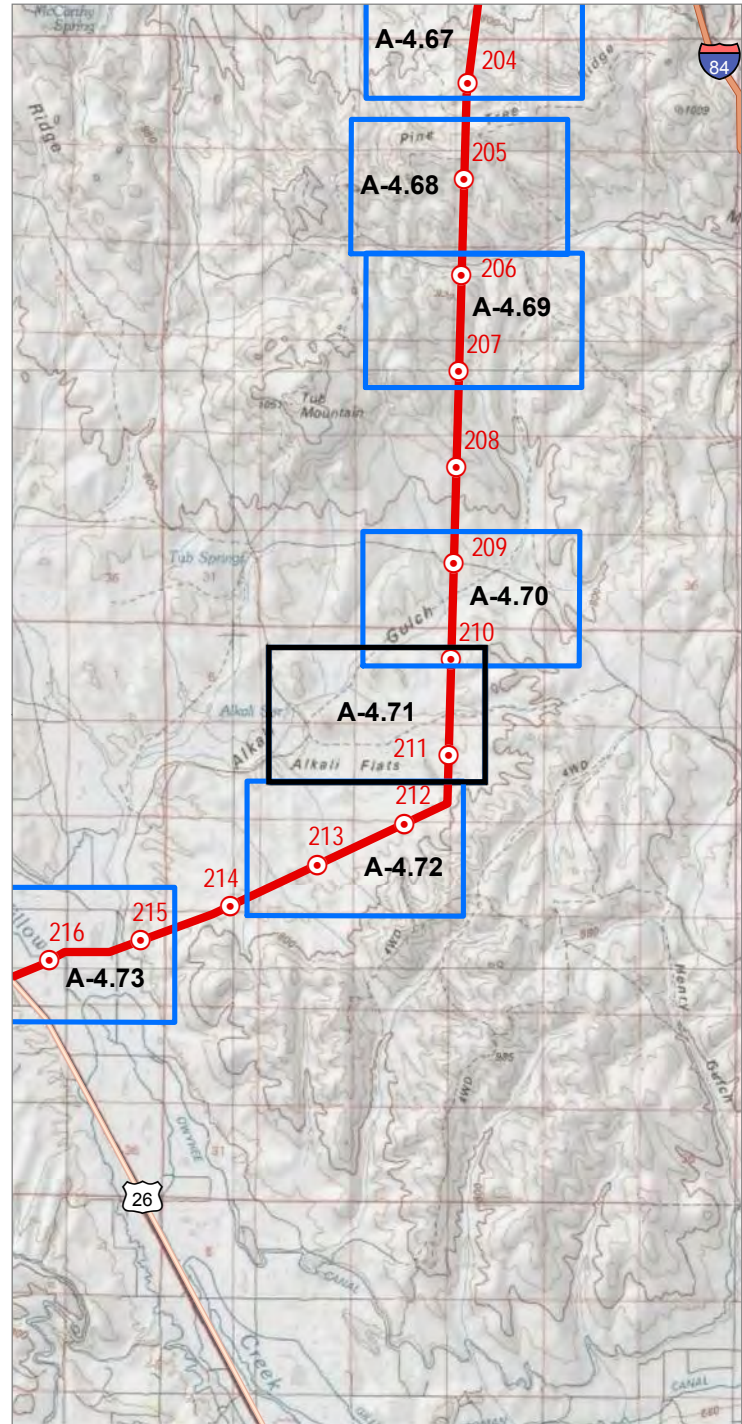
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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-4.70
Wetland and Other Waters
Delineation Report
Soil Map
Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
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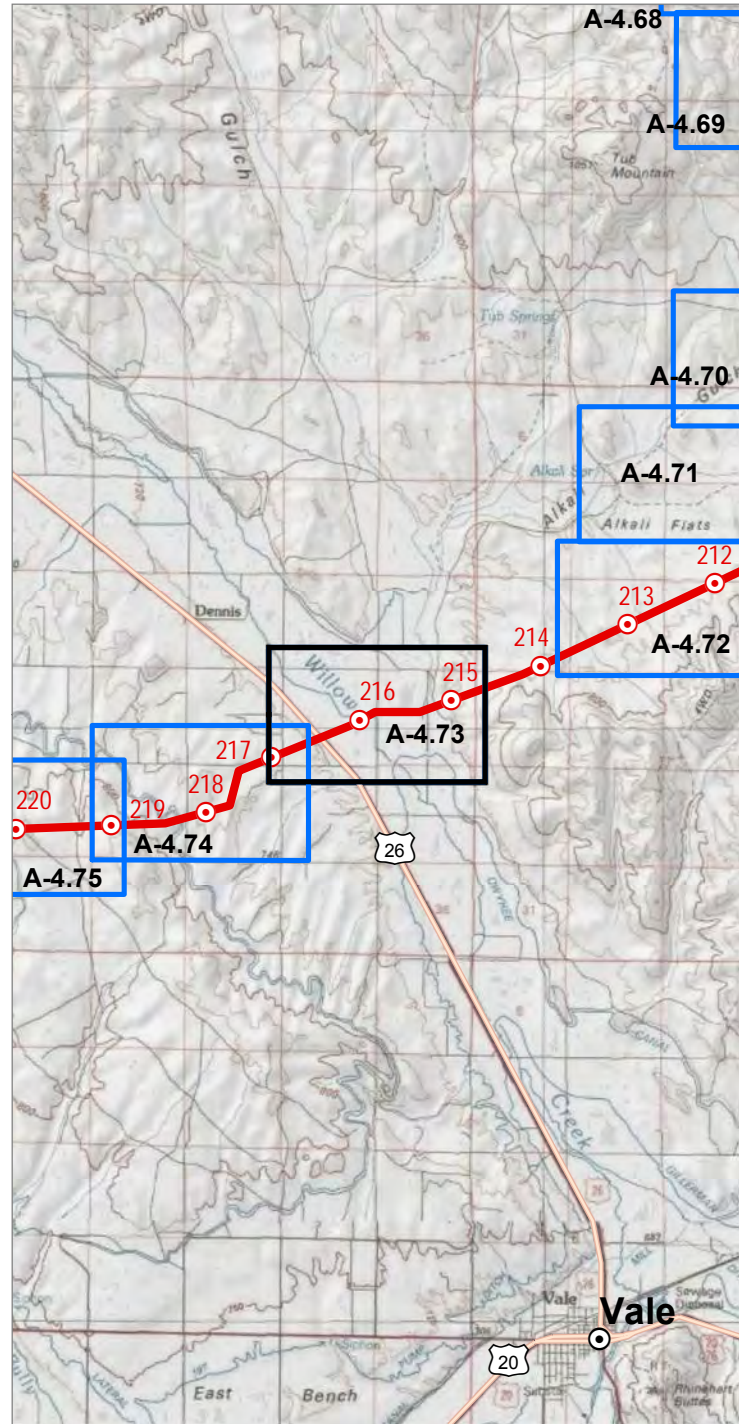
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 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011

- Project Features**
- Site Boundary
 - Proposed Route
- Mileposts**
- Mile
 - Tenth-mile
 - Index Map Extent
- National Resource Conservation Service**
- Soils (SSURGO)
(for soil type see table)

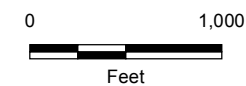
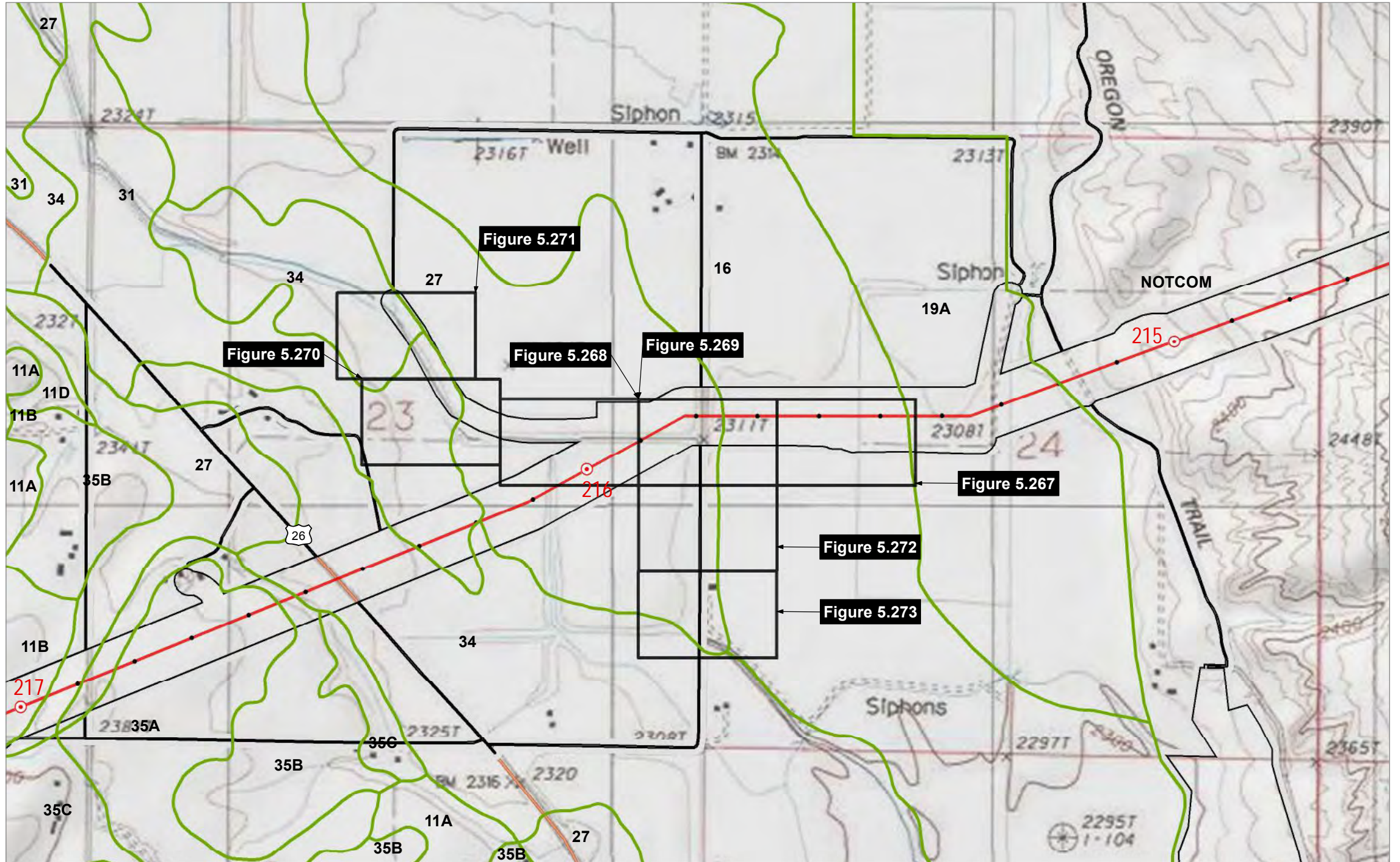
IDAHO POWER
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Boardman to Hemingway
 Transmission Line Project
 Application for Site Certificate

Figure A-4.71
Wetland and Other Waters
Delineation Report
Soil Map
 Malheur County



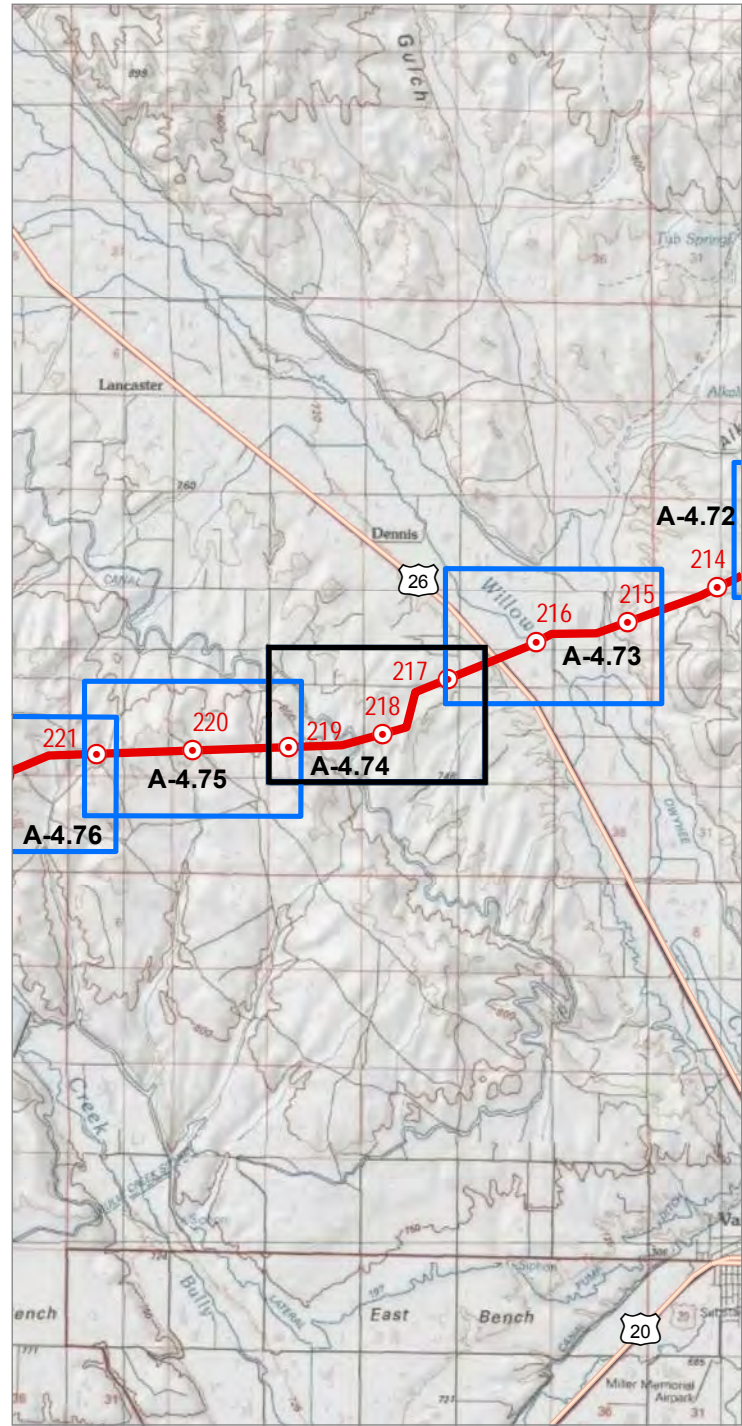
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 Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011



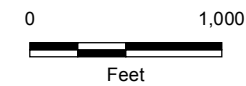
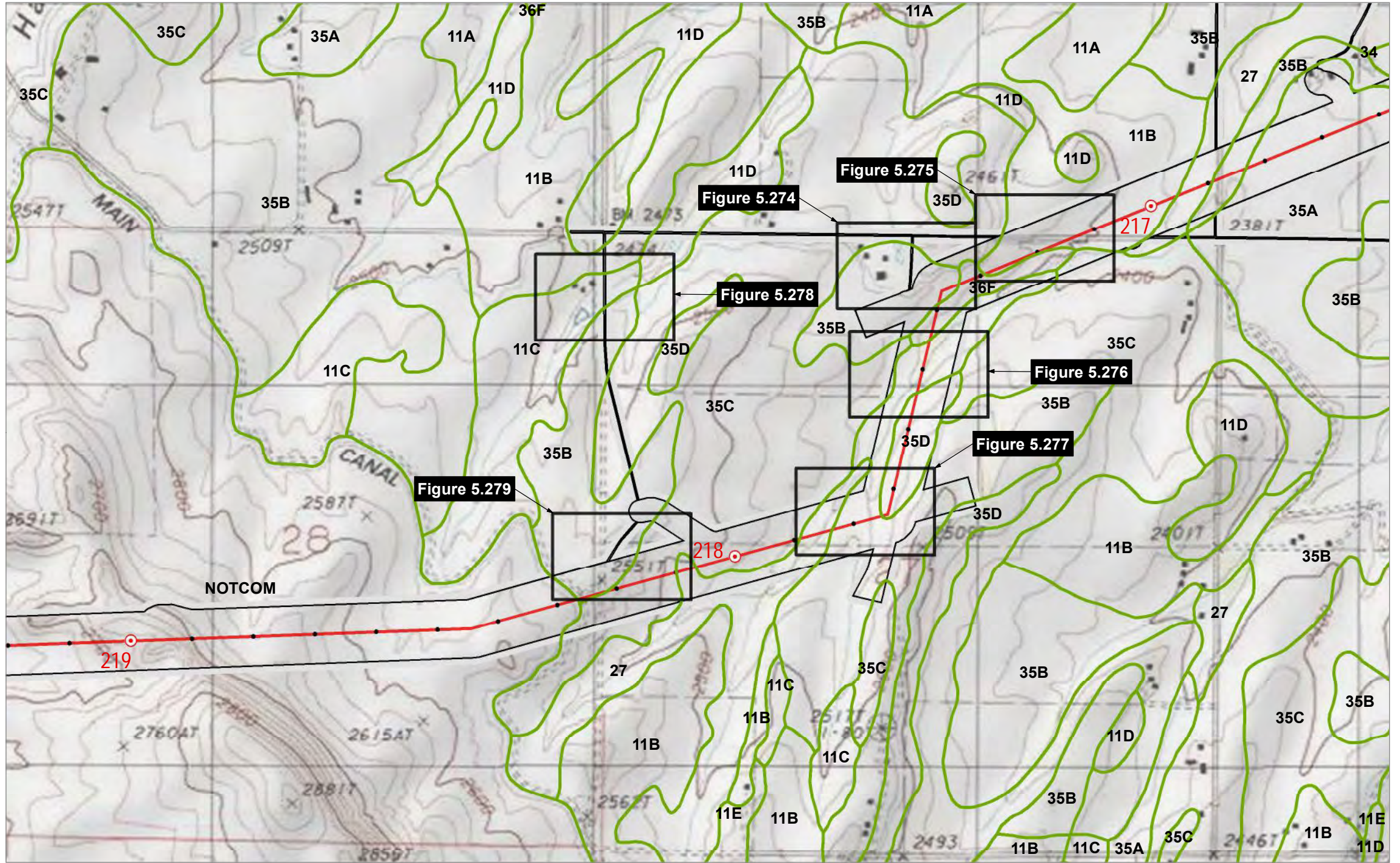
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| Project Features | National Resource Conservation Service | Other Features |
| Site Boundary | Soils (SSURGO)
(for soil type see table) | Interstates or Highways |
| Mileposts | | |
| Mile | | |
| Tenth-mile | | |
| Index Map Extent | | |

IDAHO POWER
 An IDACORP Company
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 Transmission Line Project
 Application for Site Certificate

Figure A-4.73
Wetland and Other Waters
Delineation Report
Soil Map
 Malheur County



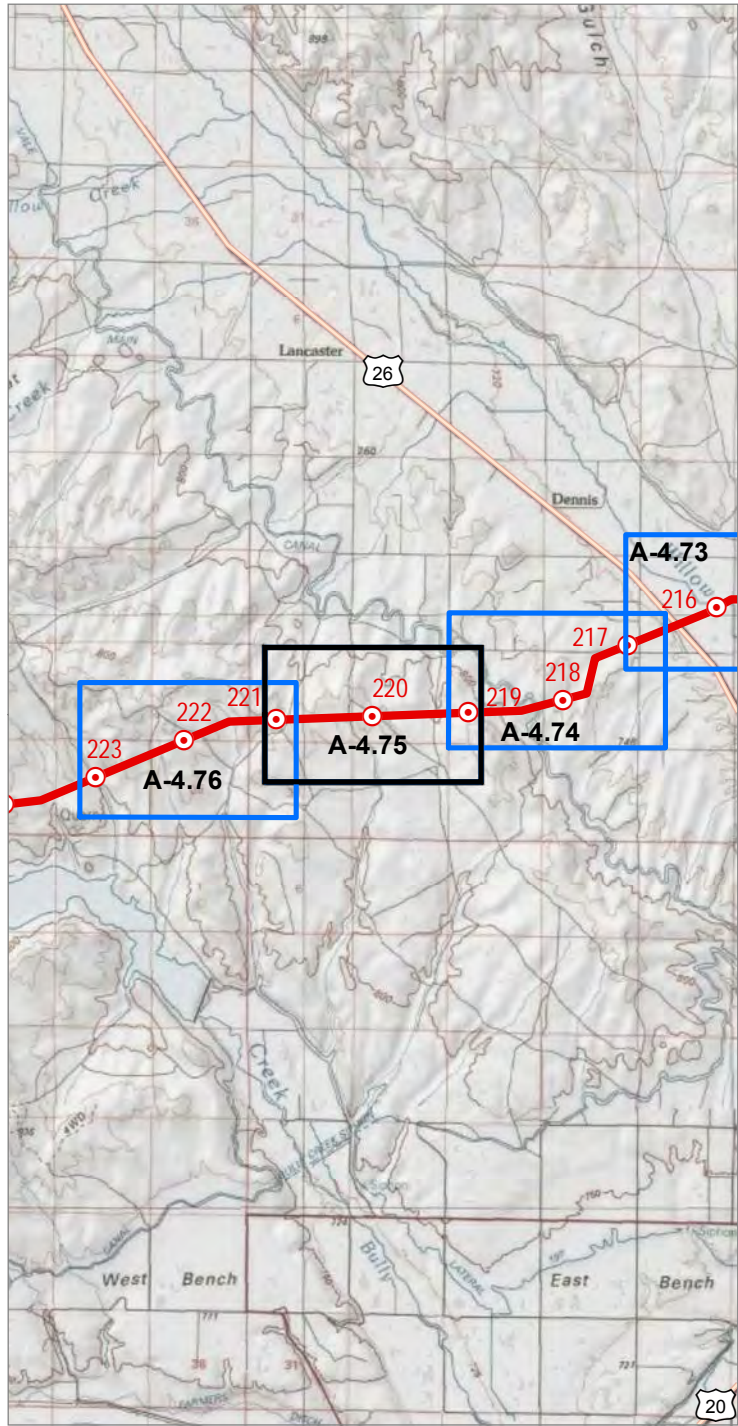
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 Image Source: National Agricultural Imagery Program 2016
 Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011



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|-------------------------|---|
| Project Features | National Resource Conservation Service |
| Site Boundary | Soils (SSURGO)
(for soil type see table) |
| Proposed Route | |
| Mileposts | |
| Mile | |
| Tenth-mile | |
| Index Map Extent | |

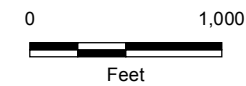
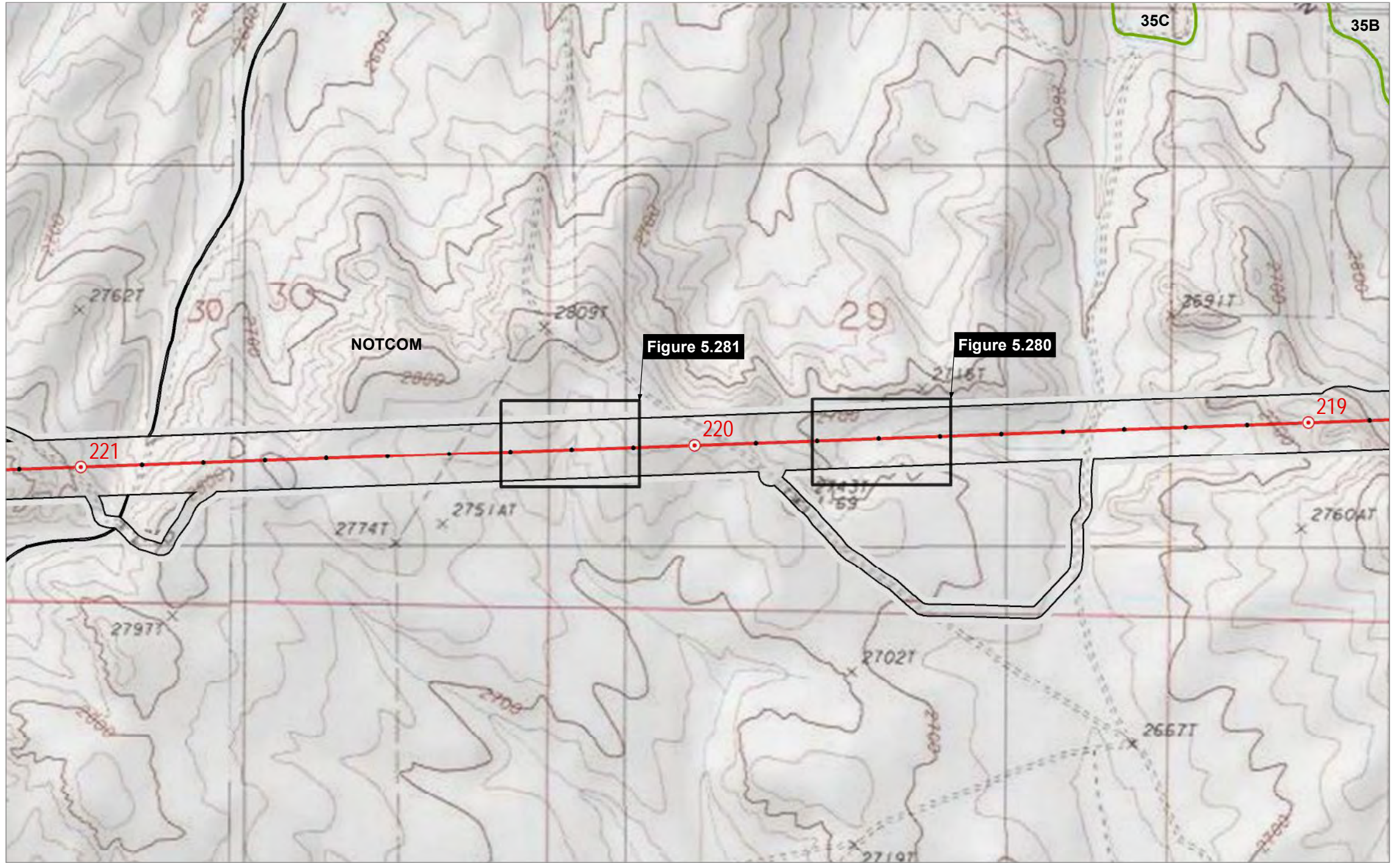
IDAHO POWER
 An IDACORP Company
 Boardman to Hemingway
 Transmission Line Project
 Application for Site Certificate

Figure A-4.74
Wetland and Other Waters
Delineation Report
Soil Map
 Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
 Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011

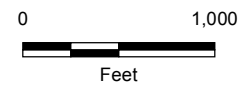
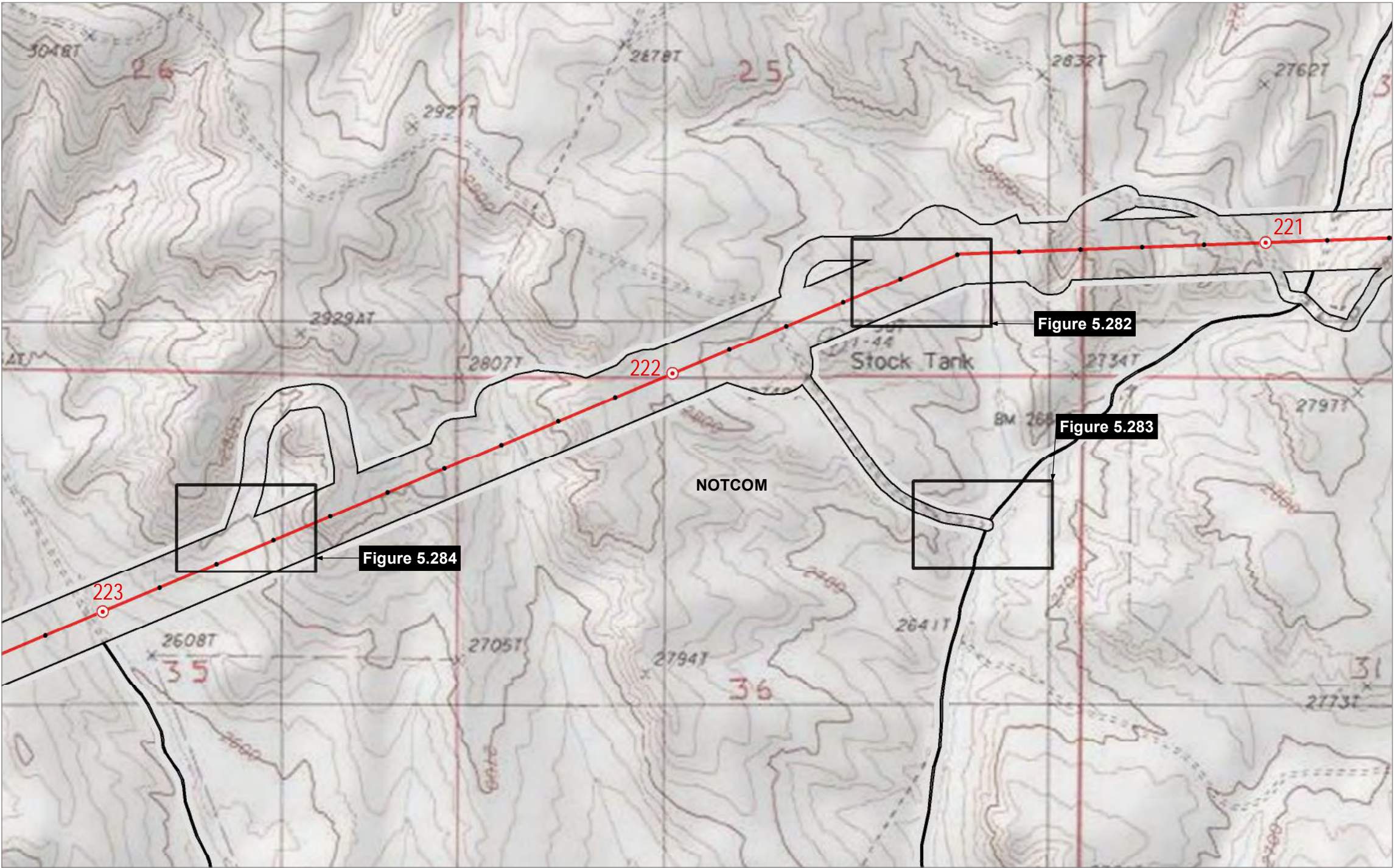
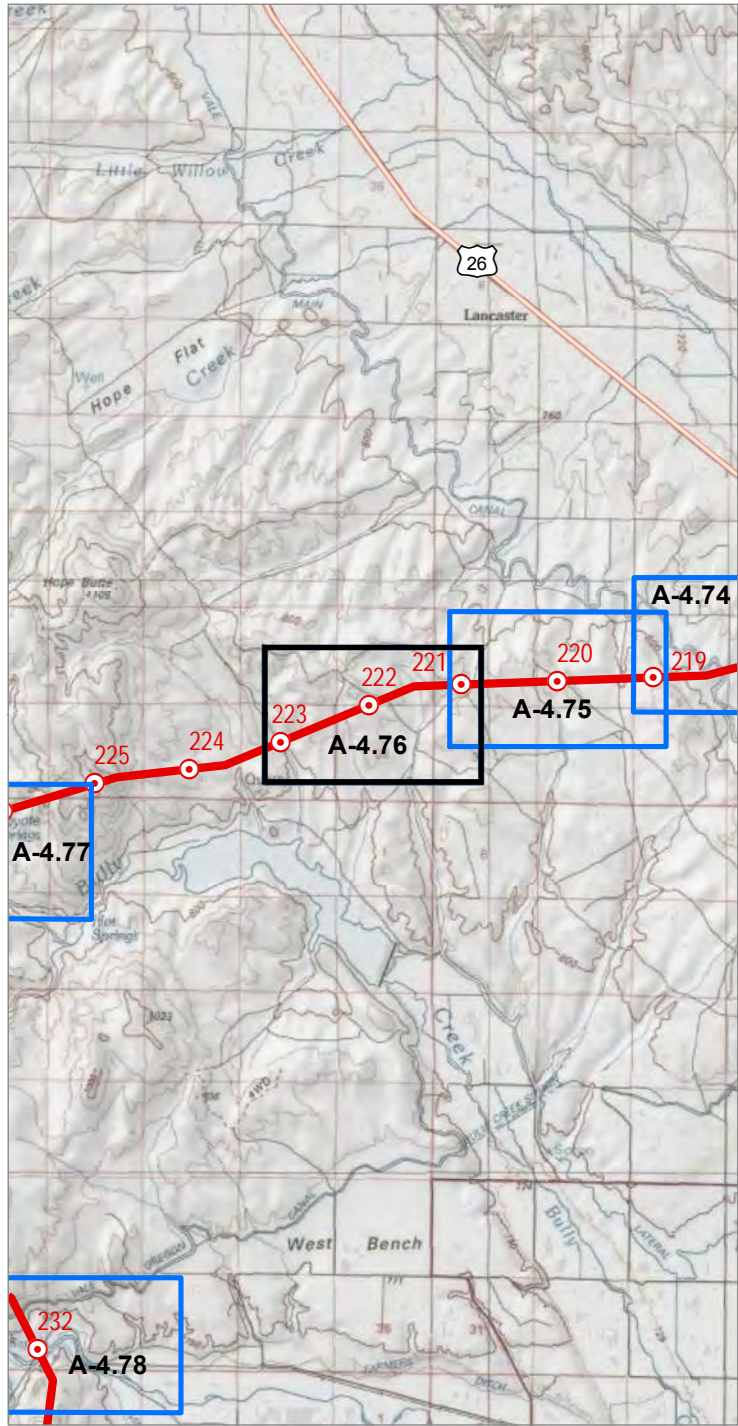


- Project Features**
- Site Boundary
 - Proposed Route
- Mileposts**
- Mile
 - Tenth-mile
 - Index Map Extent
- National Resource Conservation Service**
- Soils (SSURGO) (for soil type see table)



Boardman to Hemingway
 Transmission Line Project
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Figure A-4.75
Wetland and Other Waters
Delineation Report
Soil Map
 Malheur County



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|-------------------------|---|
| Project Features | National Resource Conservation Service |
| Site Boundary | Soils (SSURGO)
(for soil type see table) |
| Proposed Route | |
| Mileposts | |
| Mile | |
| Tenth-mile | |
| Index Map Extent | |

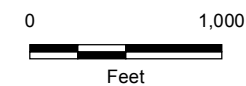
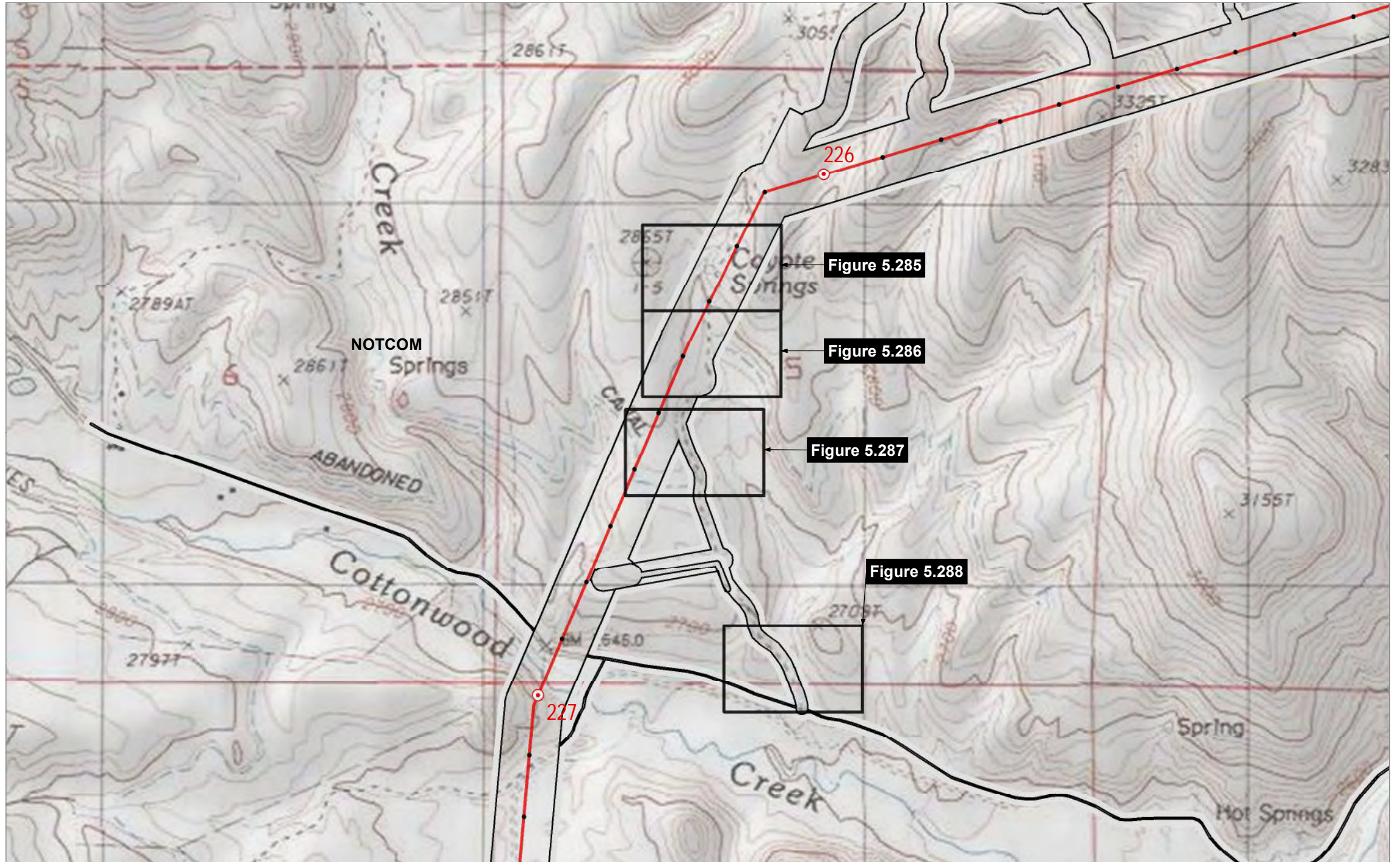
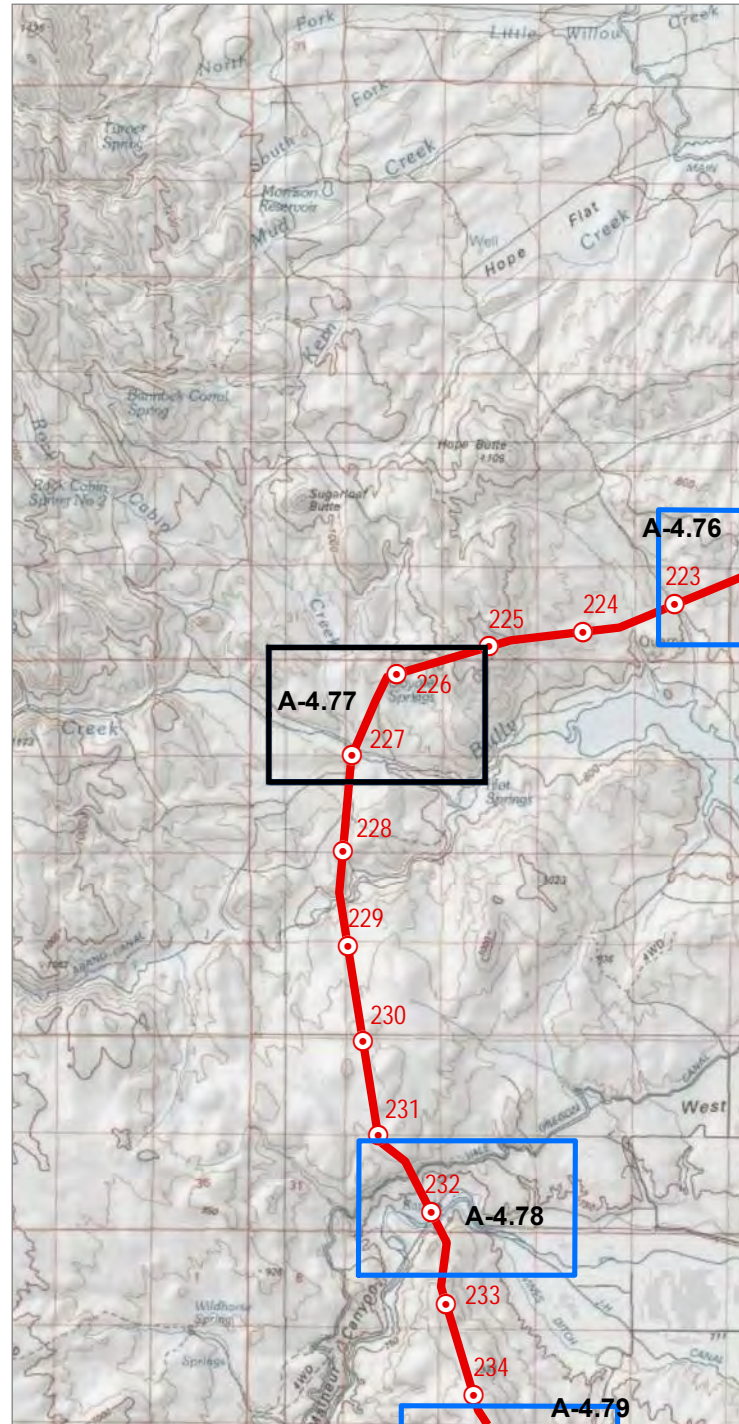
IDAHO POWER
An IDACORP Company

Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-4.76
Wetland and Other Waters
Delineation Report
Soil Map
Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011



- Project Features**
- Site Boundary
 - Proposed Route
- Mileposts**
- Mile
 - Tenth-mile
 - Index Map Extent
- National Resource Conservation Service**
- Soils (SSURGO) (for soil type see table)

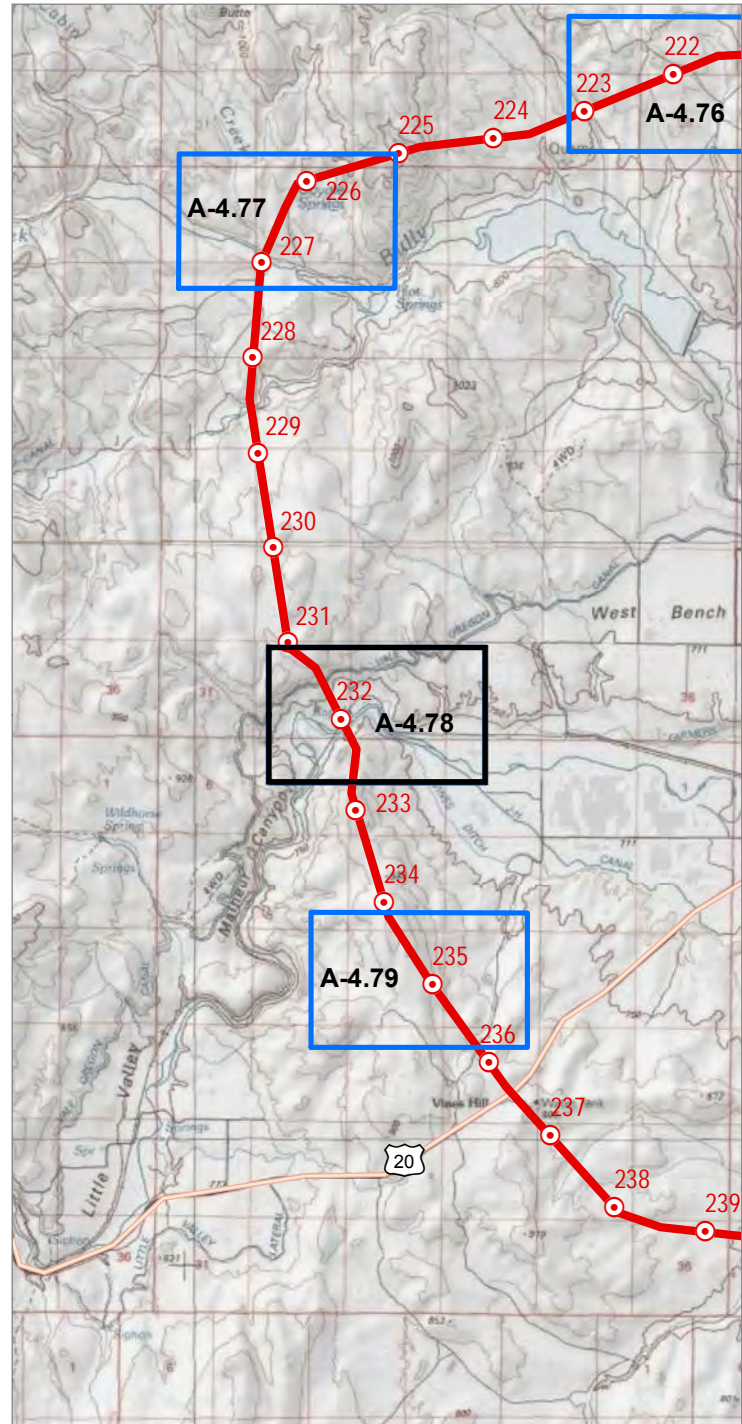
IDAHO POWER
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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-4.77
Wetland and Other Waters
Delineation Report
Soil Map
Malheur County

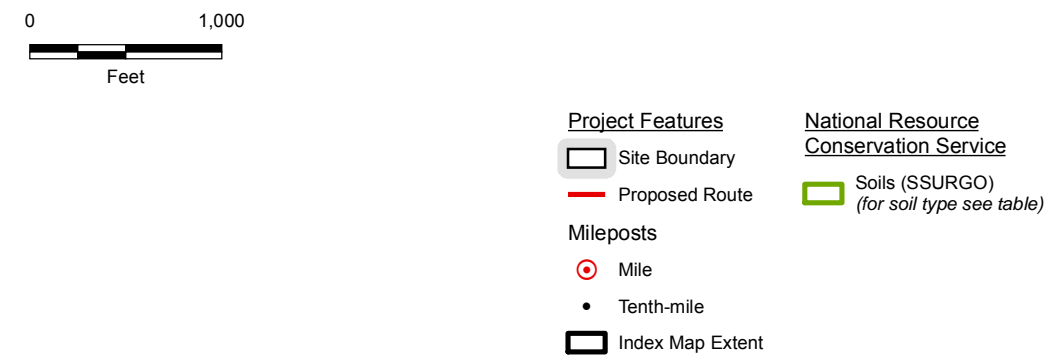
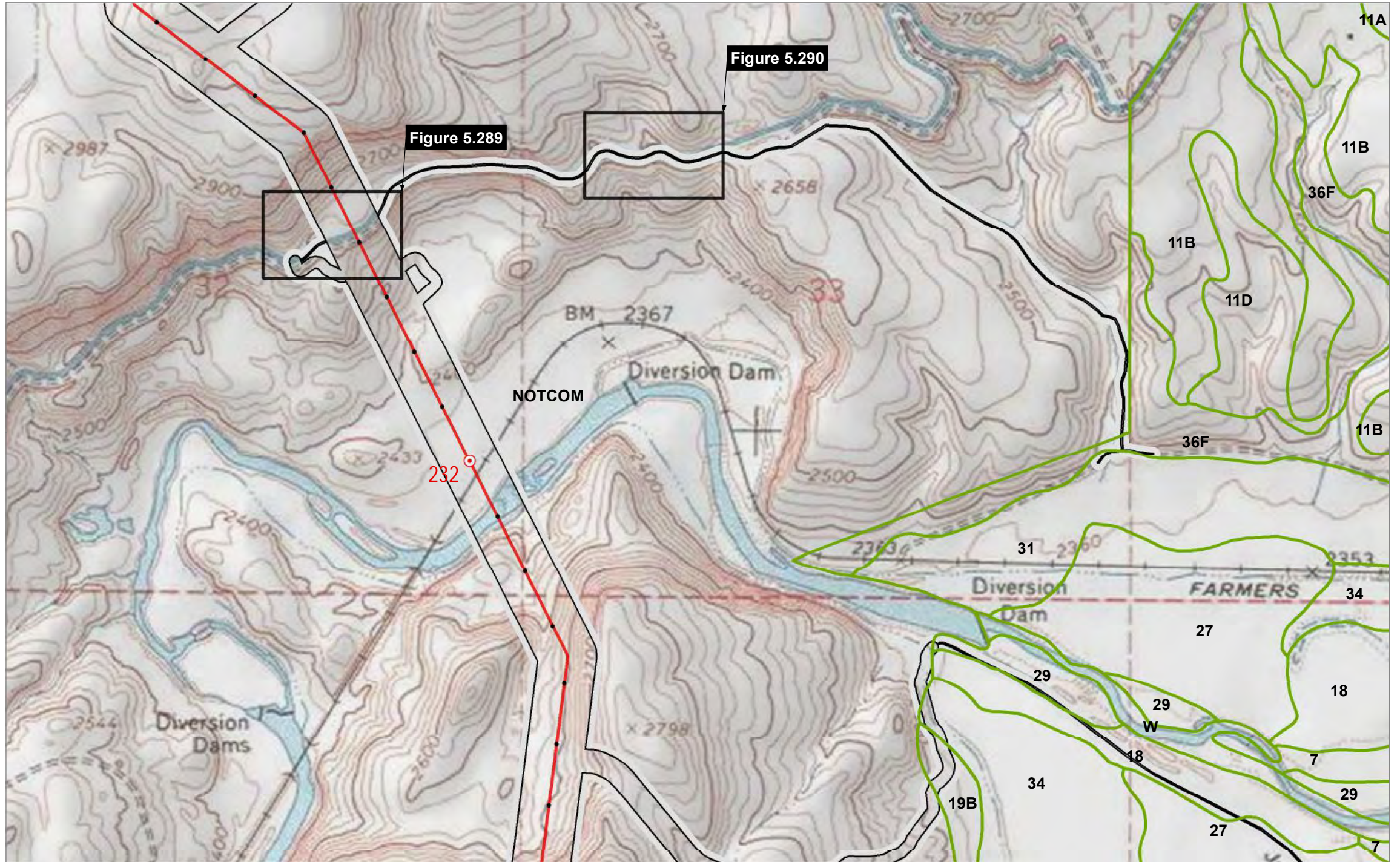
Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
 Image Source: National Agricultural Imagery Program 2016

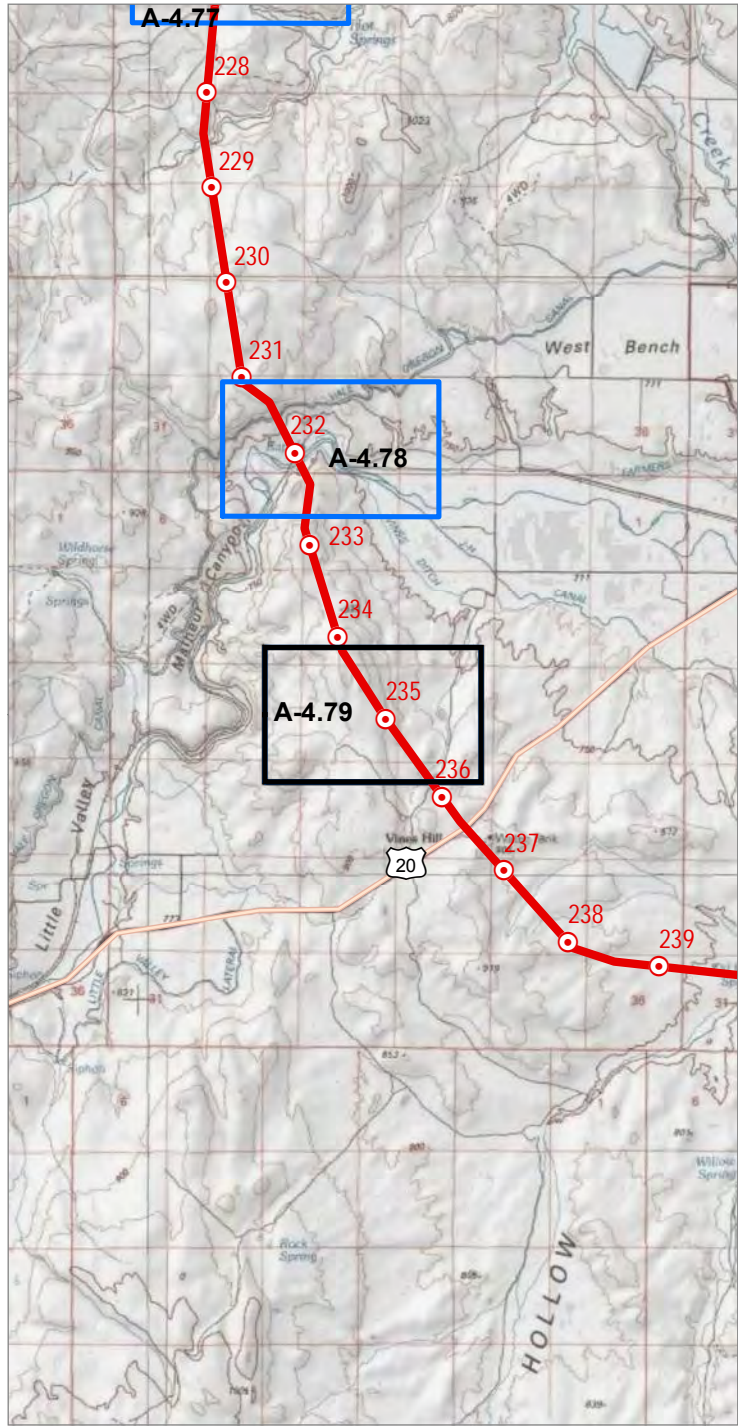
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 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011



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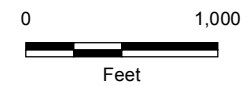
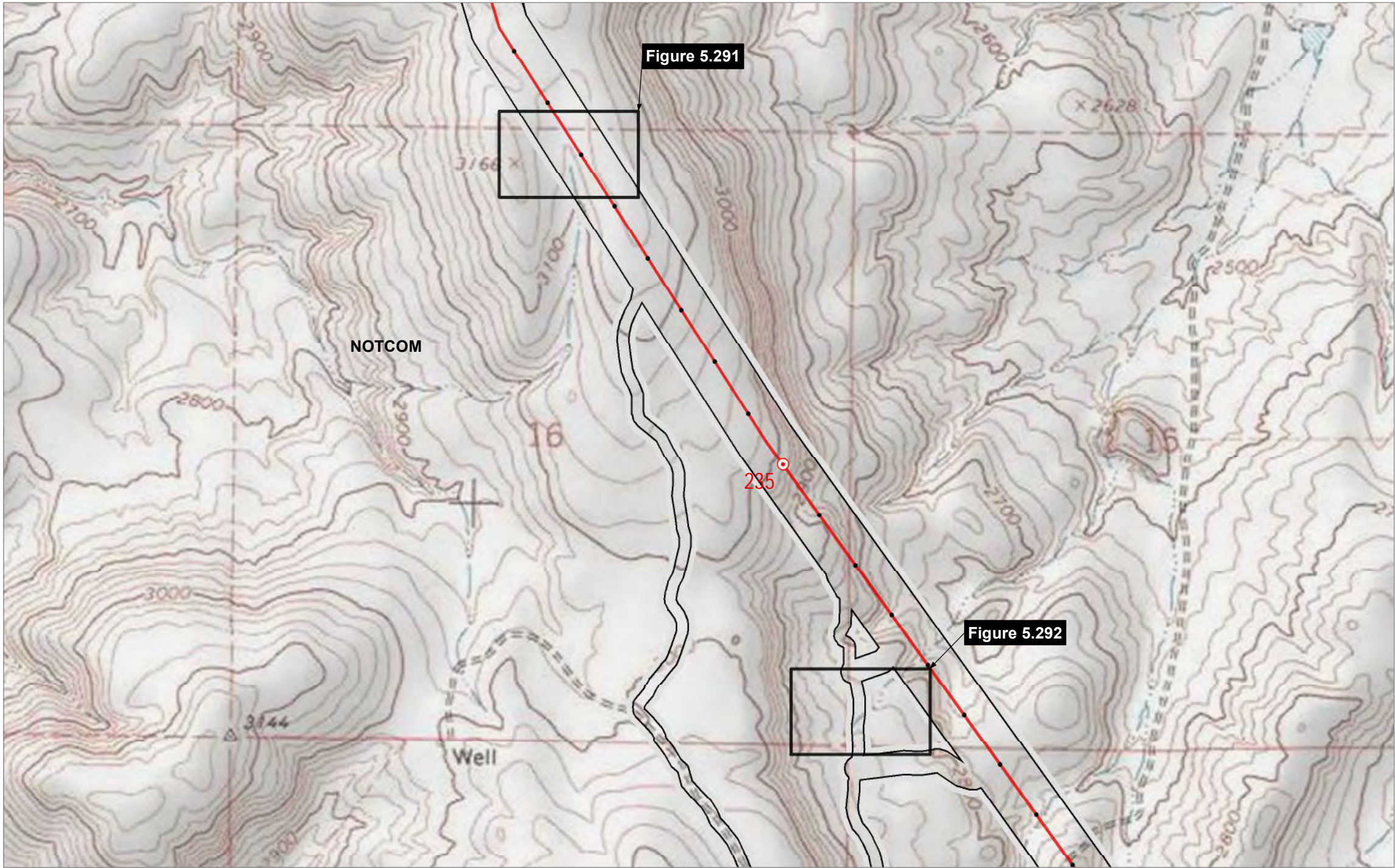
Boardman to Hemingway
 Transmission Line Project
 Application for Site Certificate

Figure A-4.78
Wetland and Other Waters
Delineation Report
Soil Map
Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
 Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011

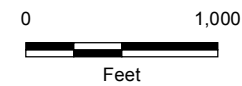
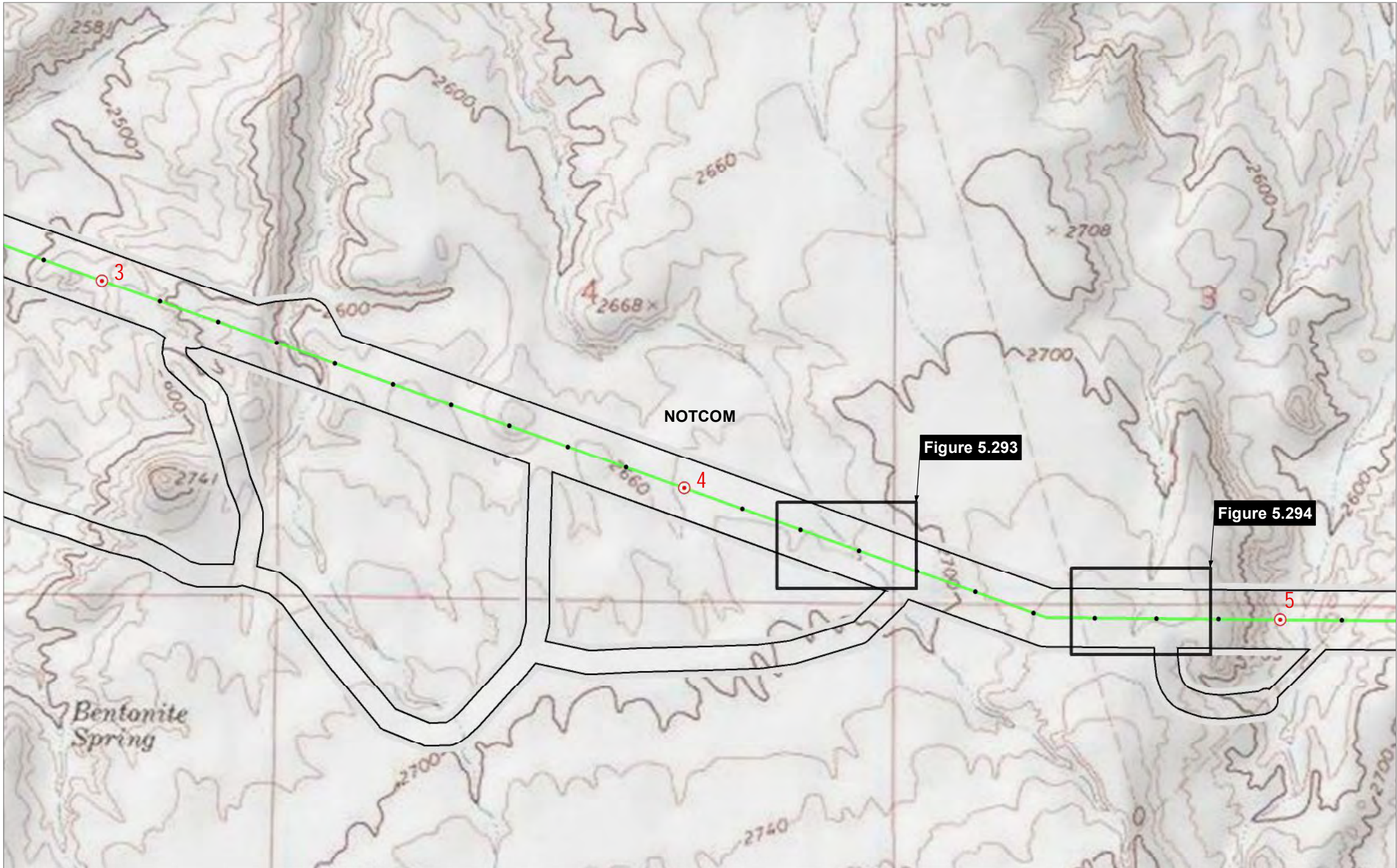
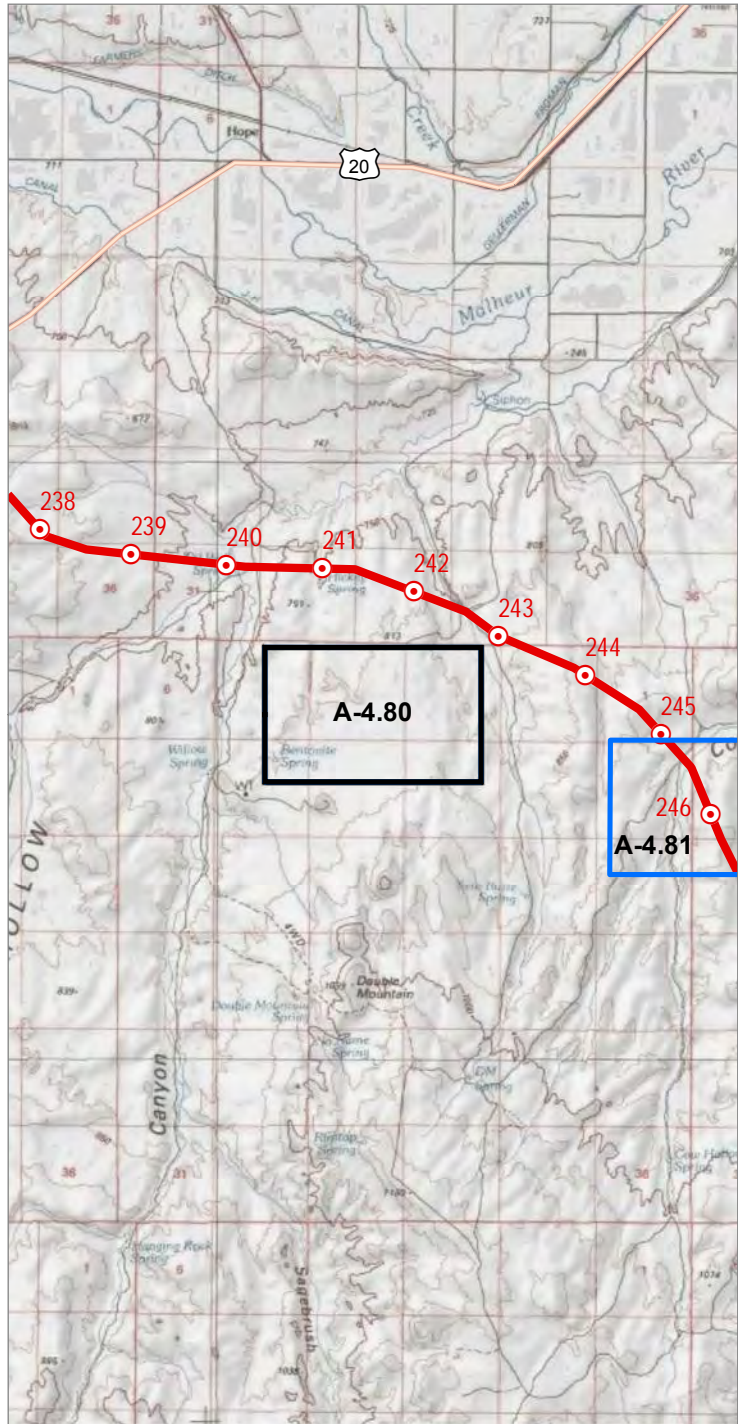


- | | |
|-------------------------|---|
| Project Features | National Resource Conservation Service |
| Site Boundary | Soils (SSURGO) |
| Proposed Route | (for soil type see table) |
| Mileposts | |
| Mile | |
| Tenth-mile | |
| Index Map Extent | |

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Boardman to Hemingway
 Transmission Line Project
 Application for Site Certificate

Figure A-4.79
Wetland and Other Waters
Delineation Report
Soil Map
 Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

- Project Features**

 - Site Boundary
 - Alternative

Mileposts

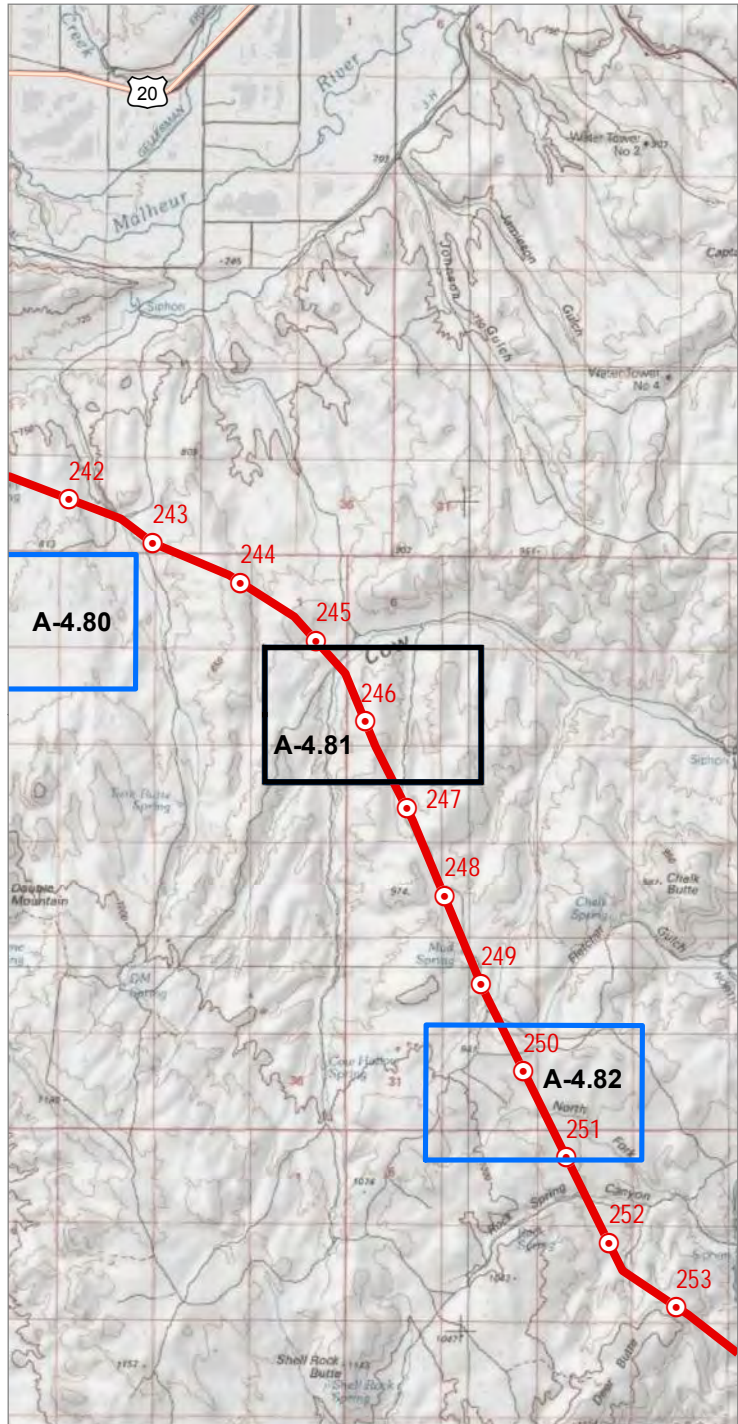
 - Mile
 - Tenth-mile
 - Index Map Extent
- National Resource Conservation Service**

 - Soils (SSURGO)
(for soil type see table)

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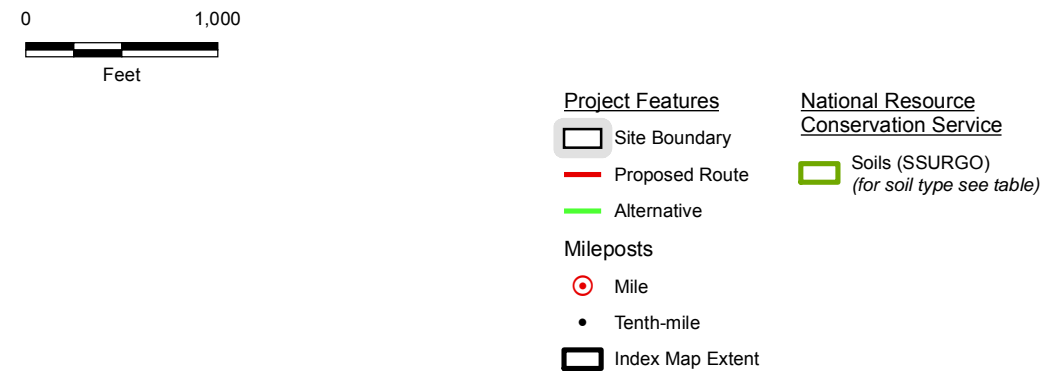
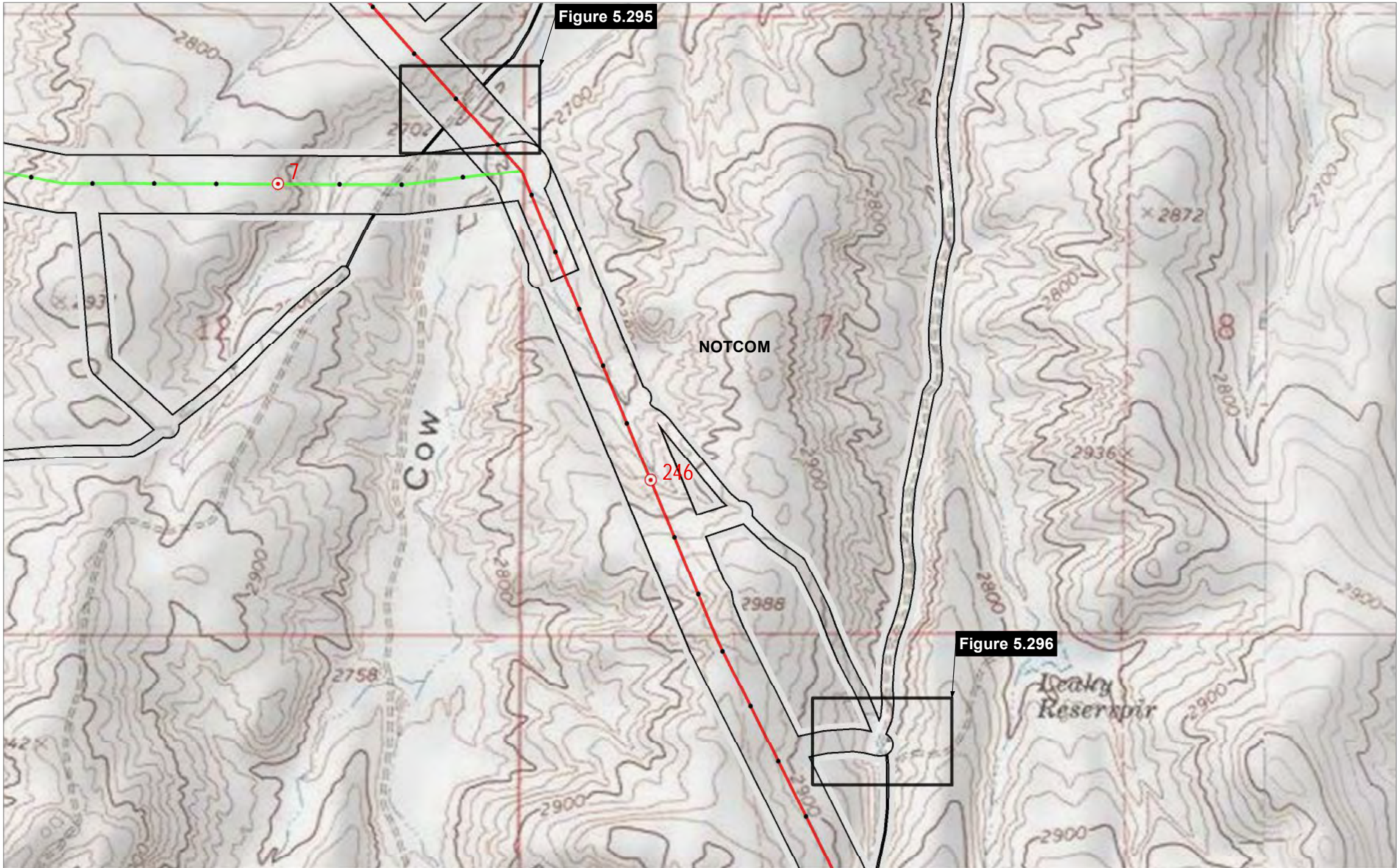
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-4.80
Wetland and Other Waters
Delineation Report
Soil Map
Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

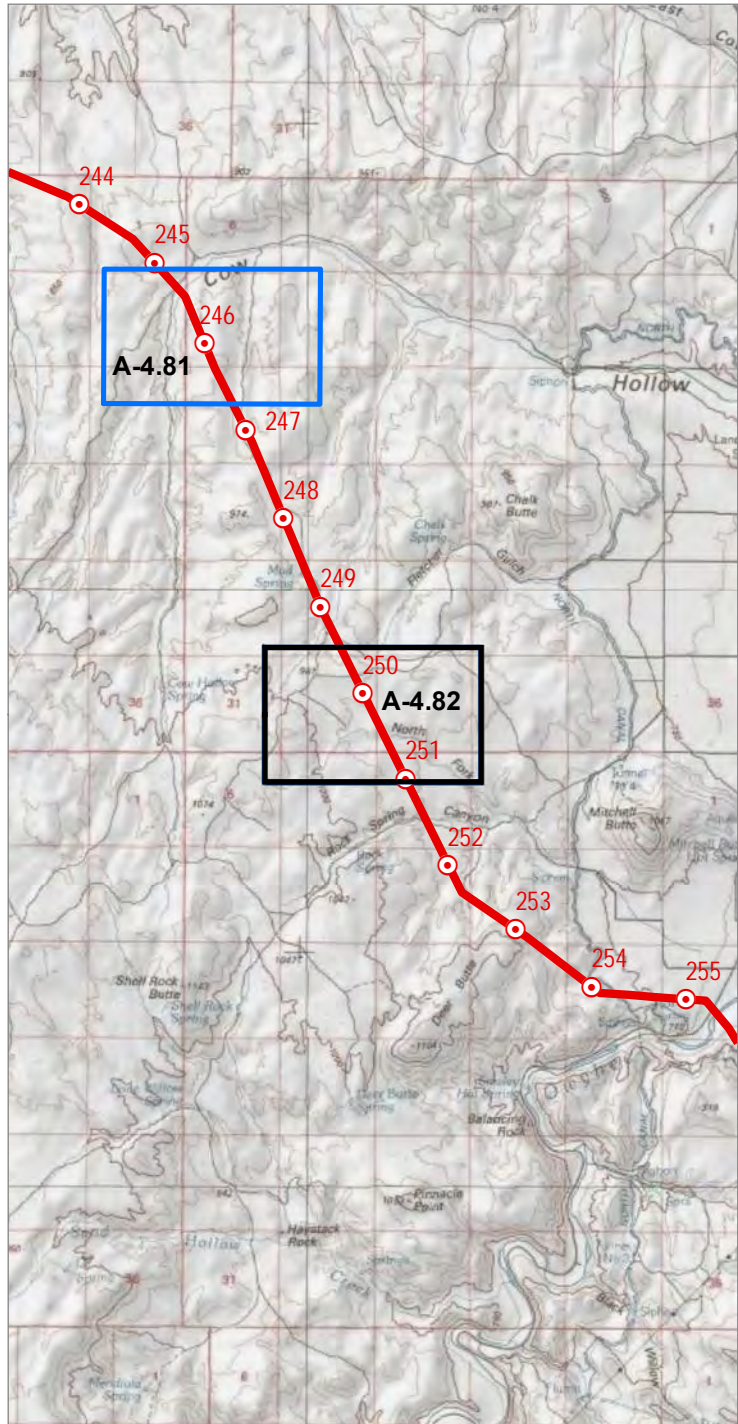
Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011



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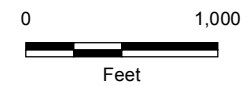
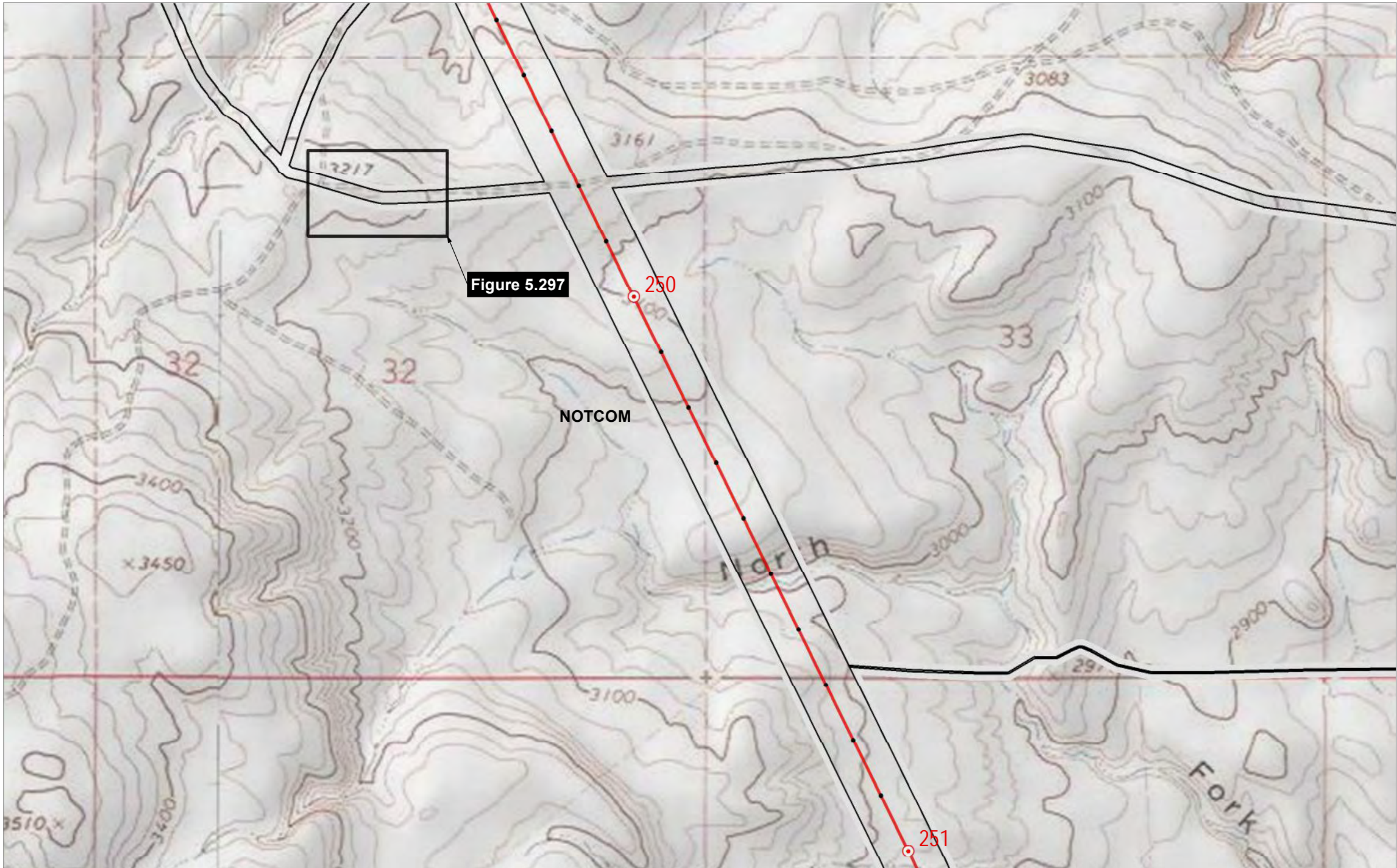
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-4.81
Wetland and Other Waters
Delineation Report
Soil Map
Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

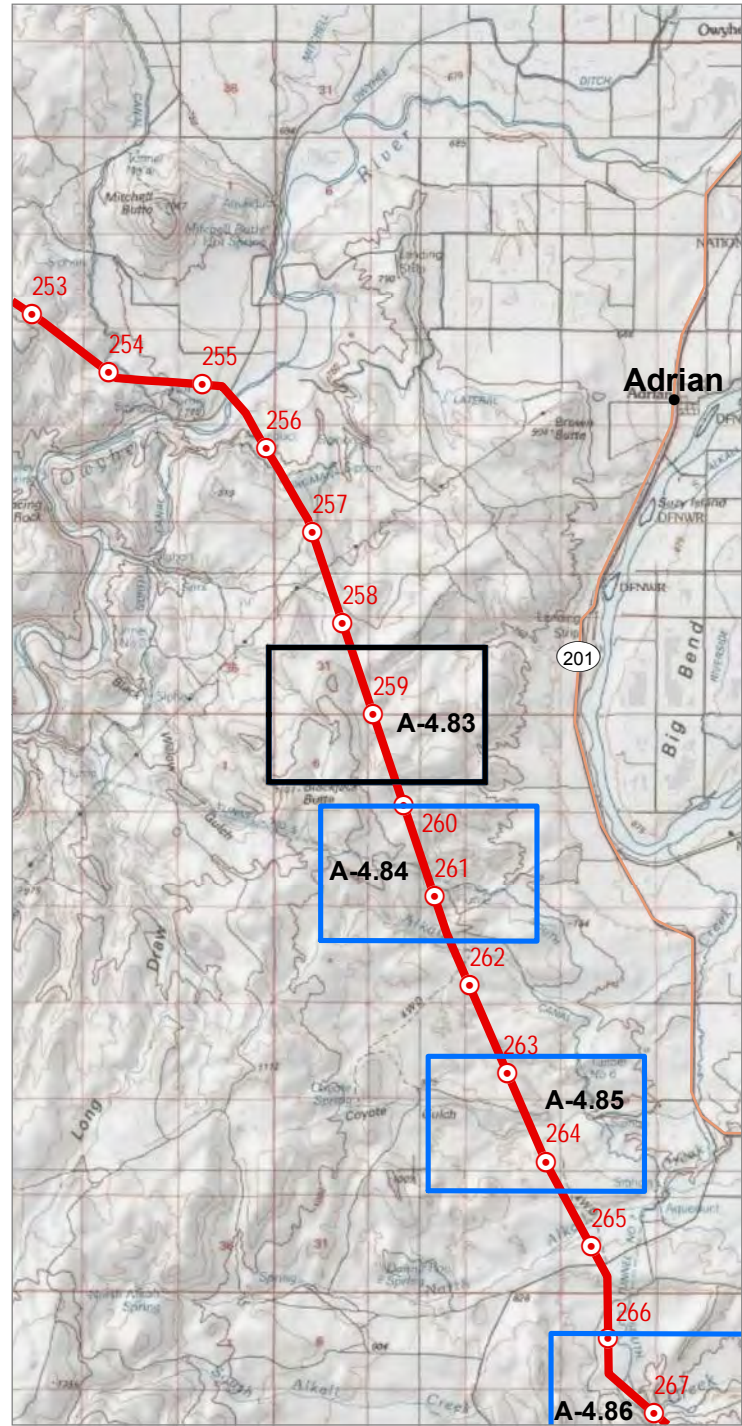


- | | |
|-------------------------|---|
| Project Features | National Resource Conservation Service |
| Site Boundary | Soils (SSURGO)
(for soil type see table) |
| Proposed Route | |
| Mileposts | |
| Mile | |
| Tenth-mile | |
| Index Map Extent | |



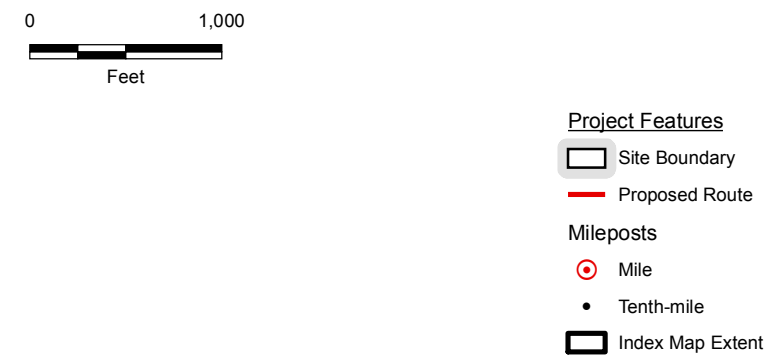
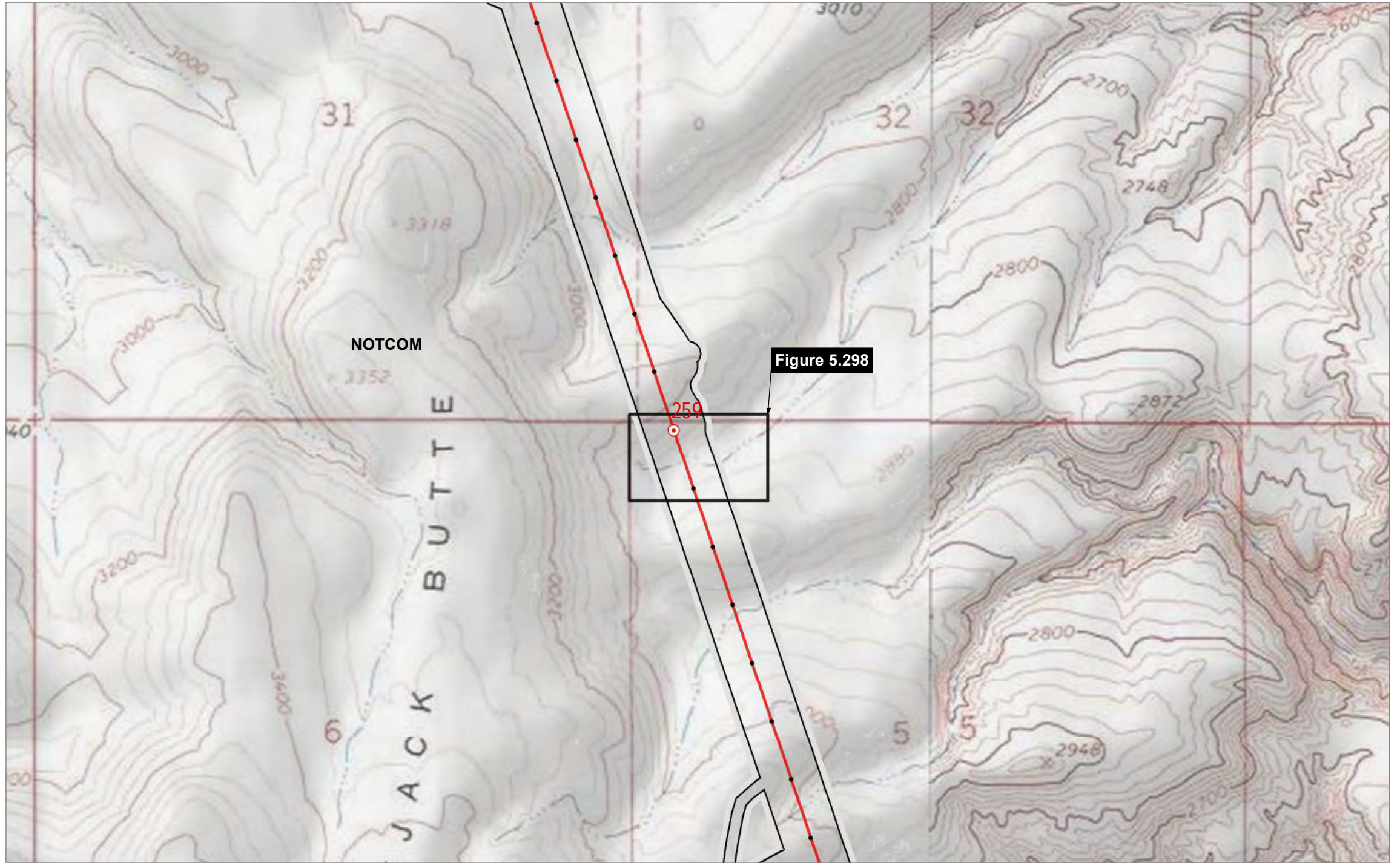
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-4.82
Wetland and Other Waters
Delineation Report
Soil Map
Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
 Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011



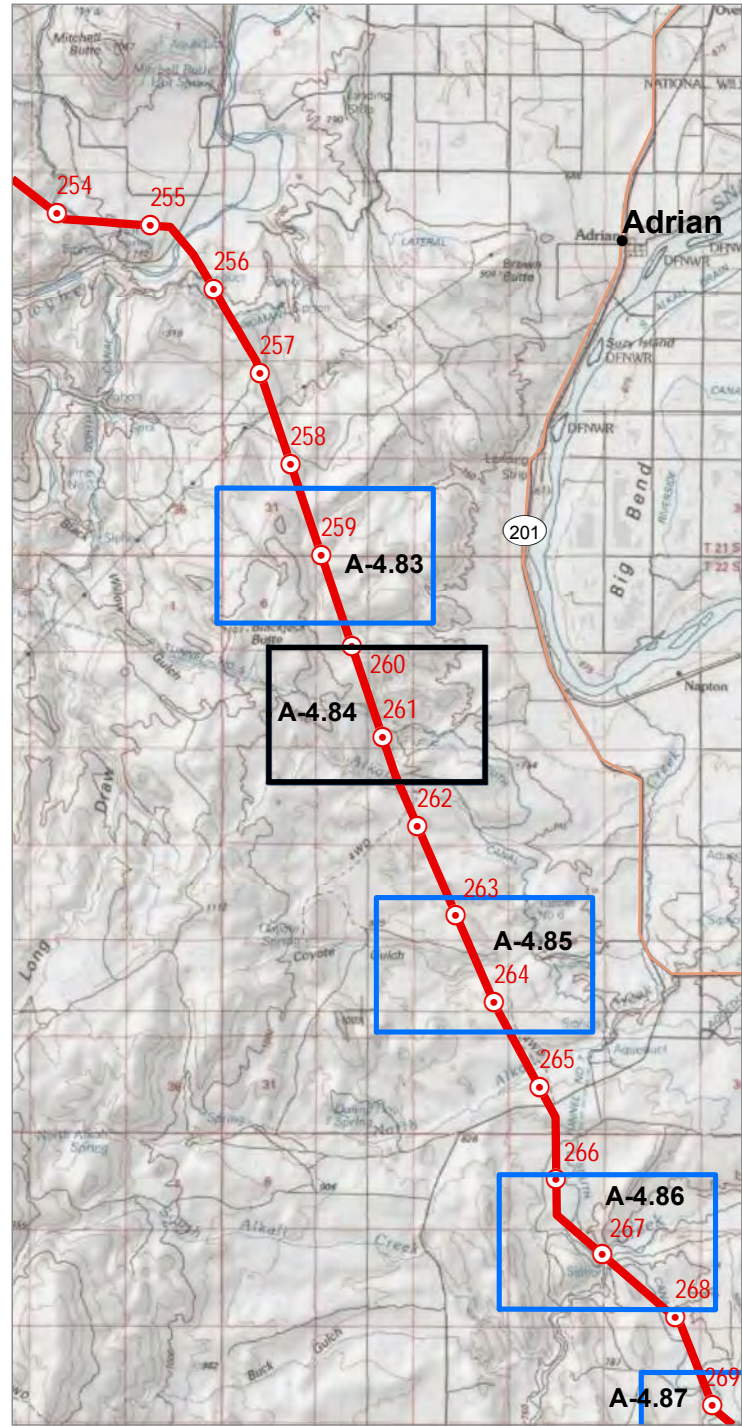
National Resource Conservation Service

- Soils (SSURGO) (for soil type see table)

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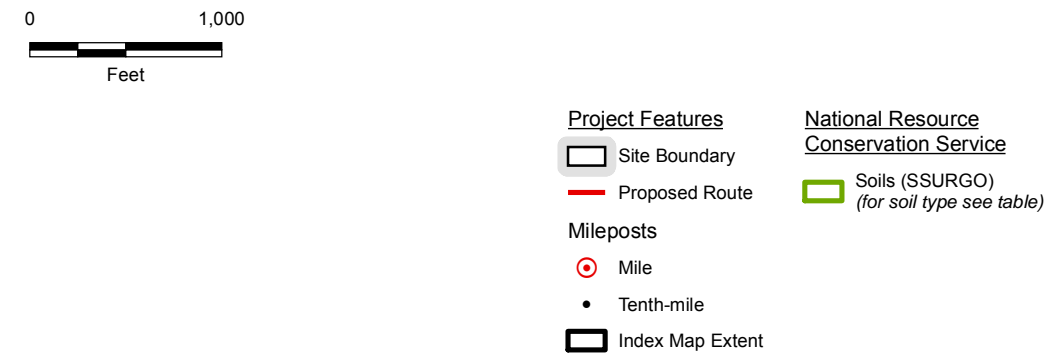
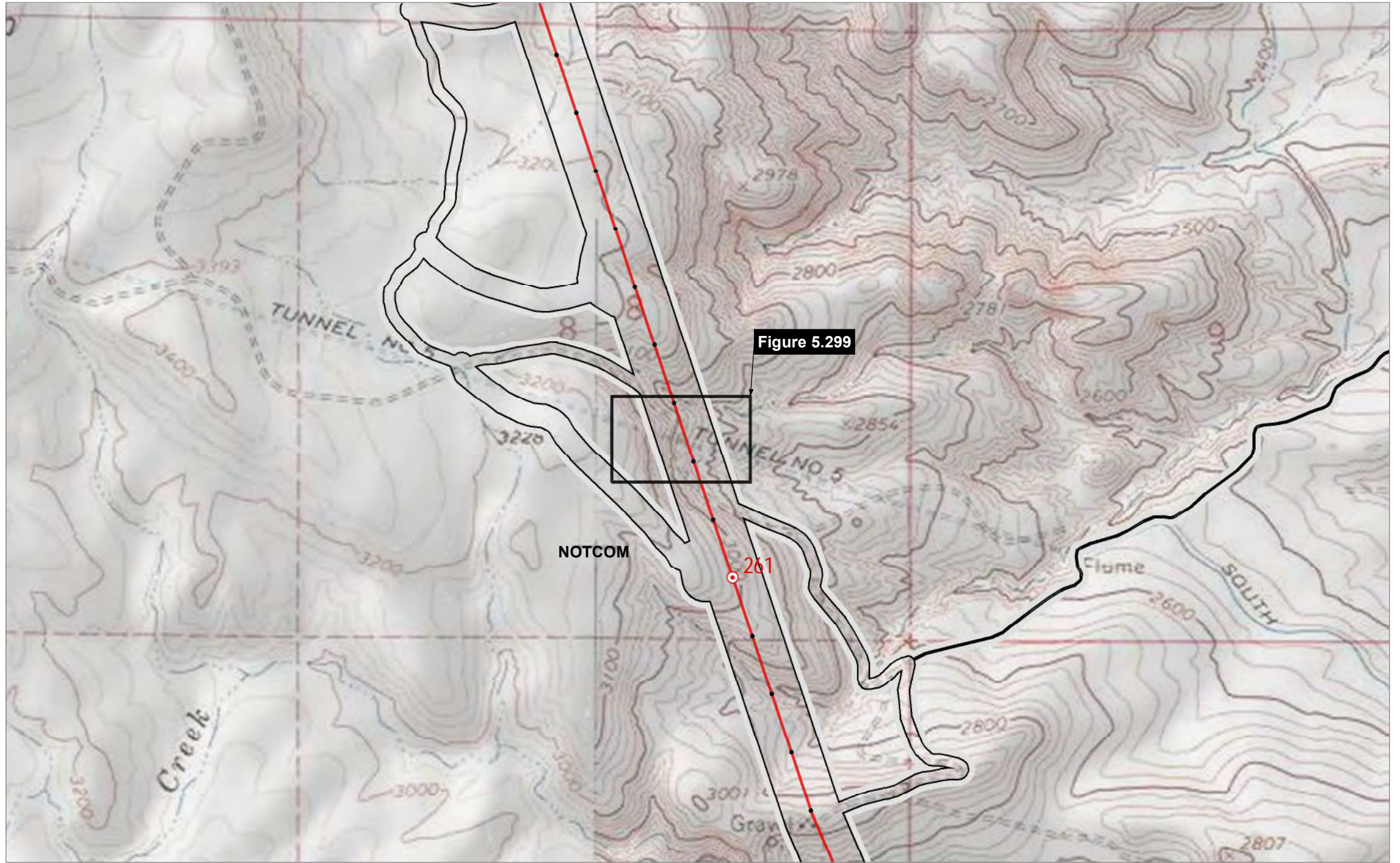
Boardman to Hemingway
 Transmission Line Project
 Application for Site Certificate

Figure A-4.83
Wetland and Other Waters
Delineation Report
Soil Map
 Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
 Image Source: National Agricultural Imagery Program 2016

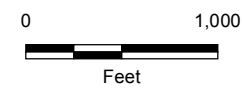
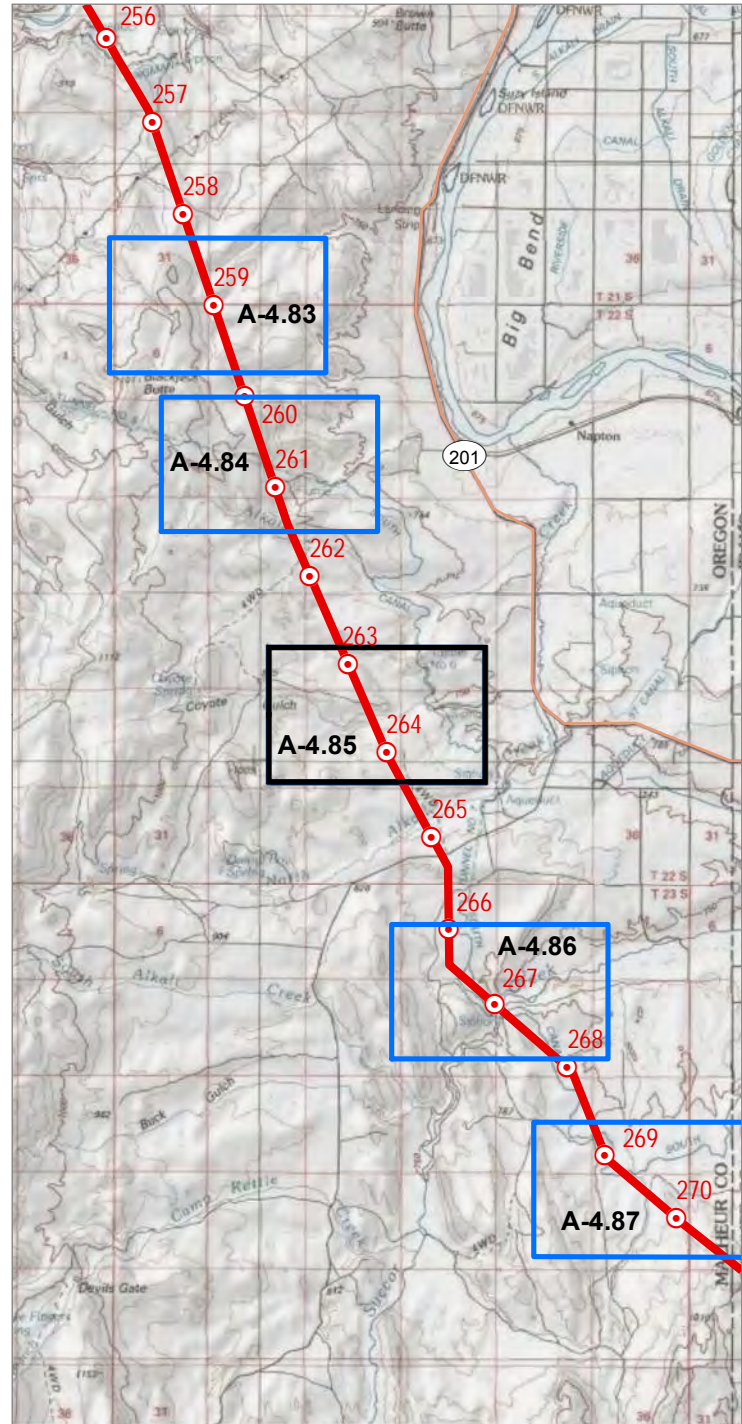
Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011



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Boardman to Hemingway
 Transmission Line Project
 Application for Site Certificate

Figure A-4.84
Wetland and Other Waters
Delineation Report
Soil Map
 Malheur County



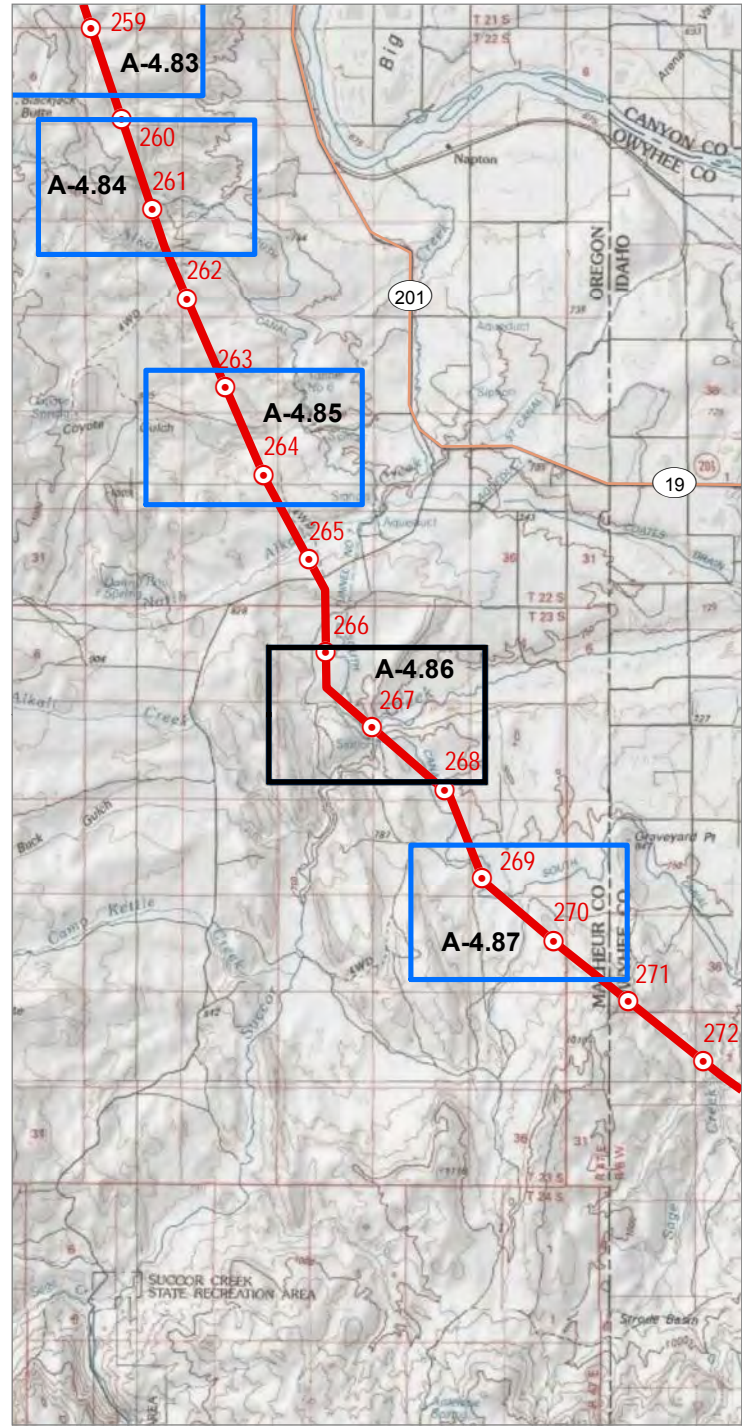
- Project Features**
- Site Boundary
 - Proposed Route
- Mileposts**
- Mile
 - Tenth-mile
 - Index Map Extent
- National Resource Conservation Service**
- Soils (SSURGO) (for soil type see table)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

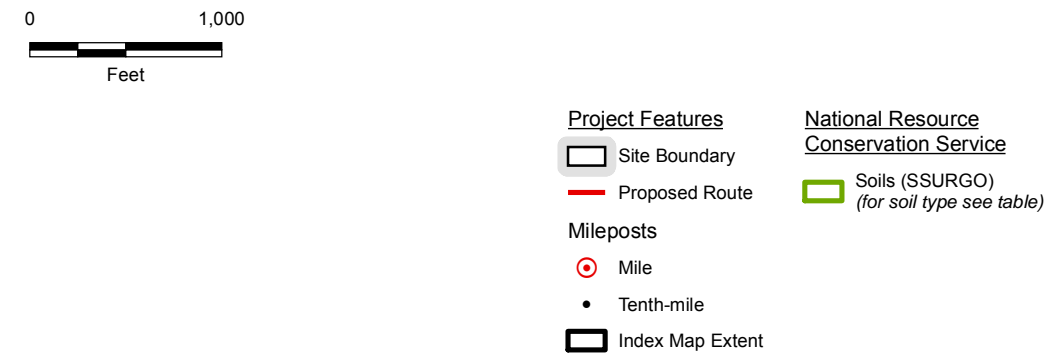
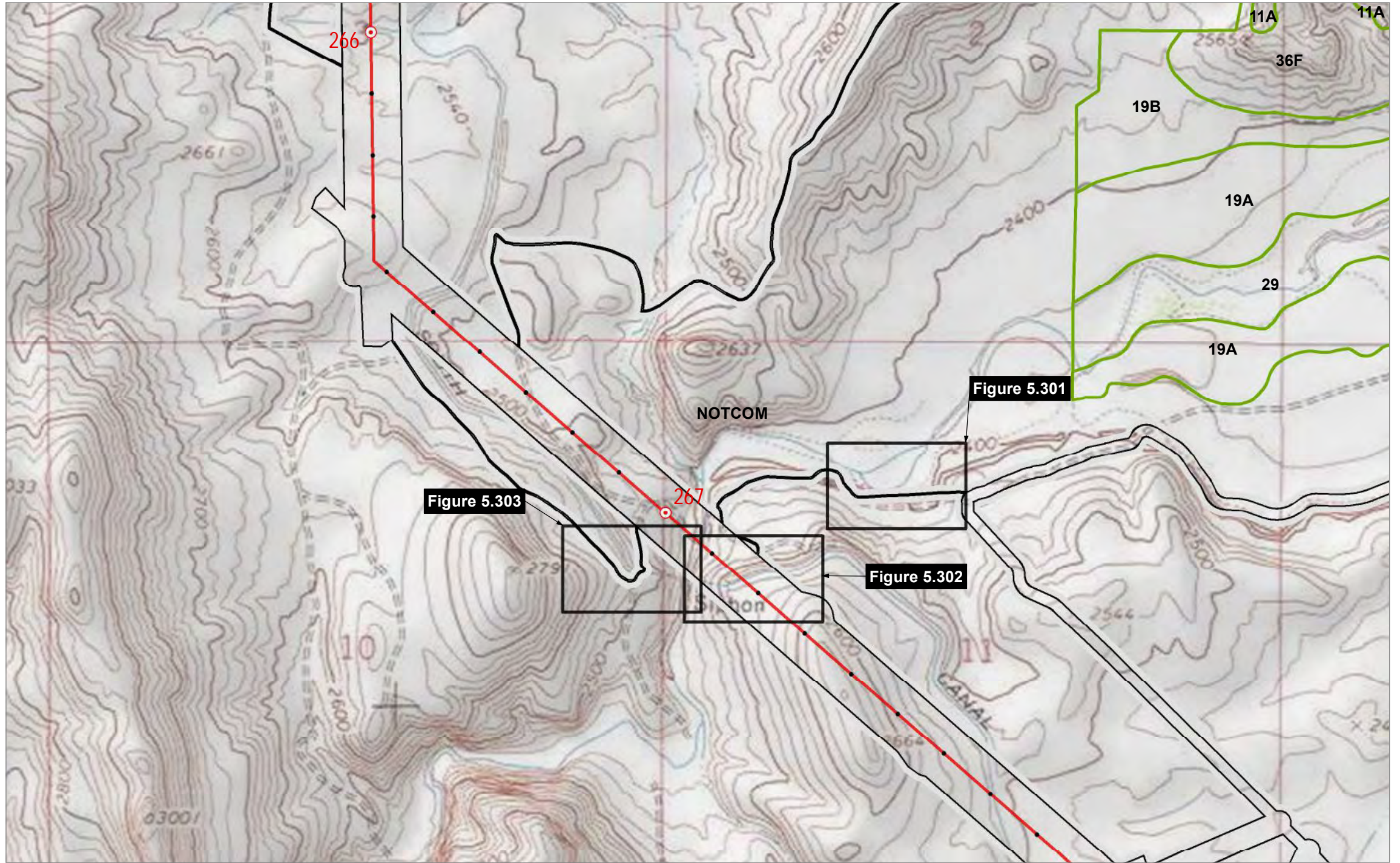
Figure A-4.85
Wetland and Other Waters
Delineation Report
Soil Map
Malheur County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016
Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
 Image Source: National Agricultural Imagery Program 2016

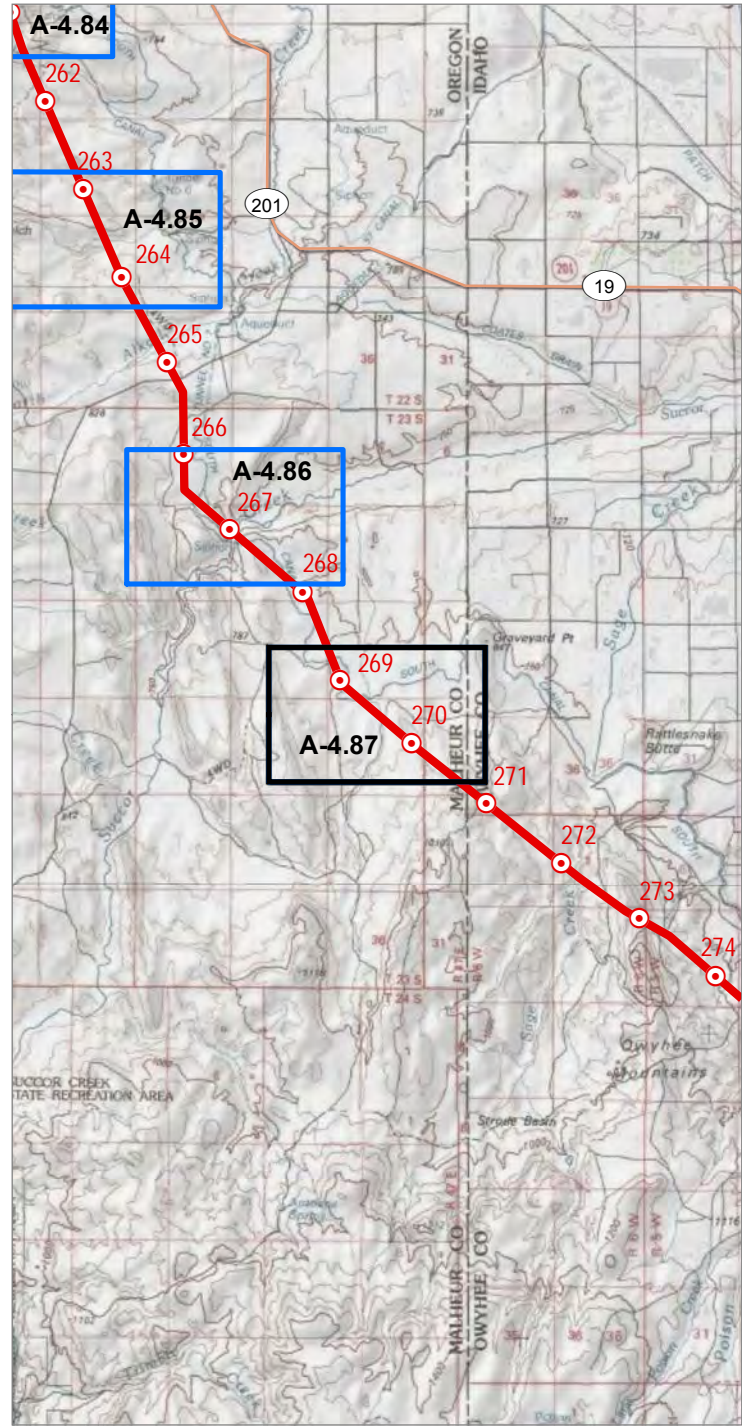
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 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011



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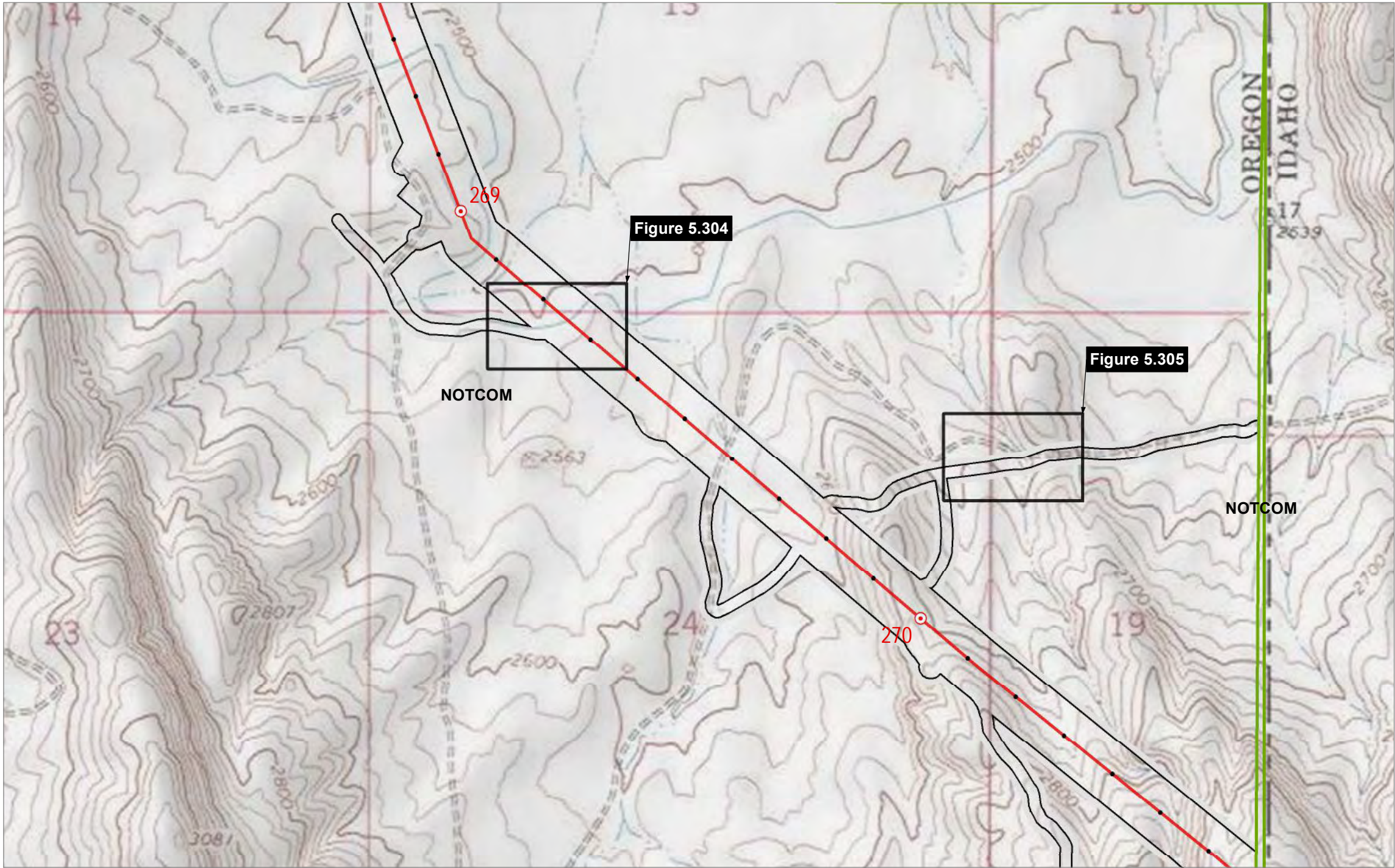
Boardman to Hemingway
 Transmission Line Project
 Application for Site Certificate

Figure A-4.86
Wetland and Other Waters
Delineation Report
Soil Map
 Malheur County



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
 Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
 Image Source: National Agricultural Imagery Program 2016

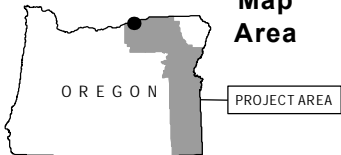
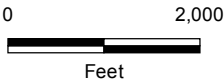
Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
 Projection: Lambert Conformal Conic
 Datum: NAD 1983 2011



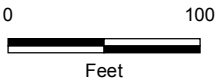
IDAHO POWER
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Boardman to Hemingway
 Transmission Line Project
 Application for Site Certificate

Figure A-4.87
Wetland and Other Waters
Delineation Report
Soil Map
 Malheur County



Map
Area



Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area
- Field Delineated Wetland
- Soil Plot

Photo Type & Direction

- Wetland (Photo ID)

Other Features

- Other Major Roads



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

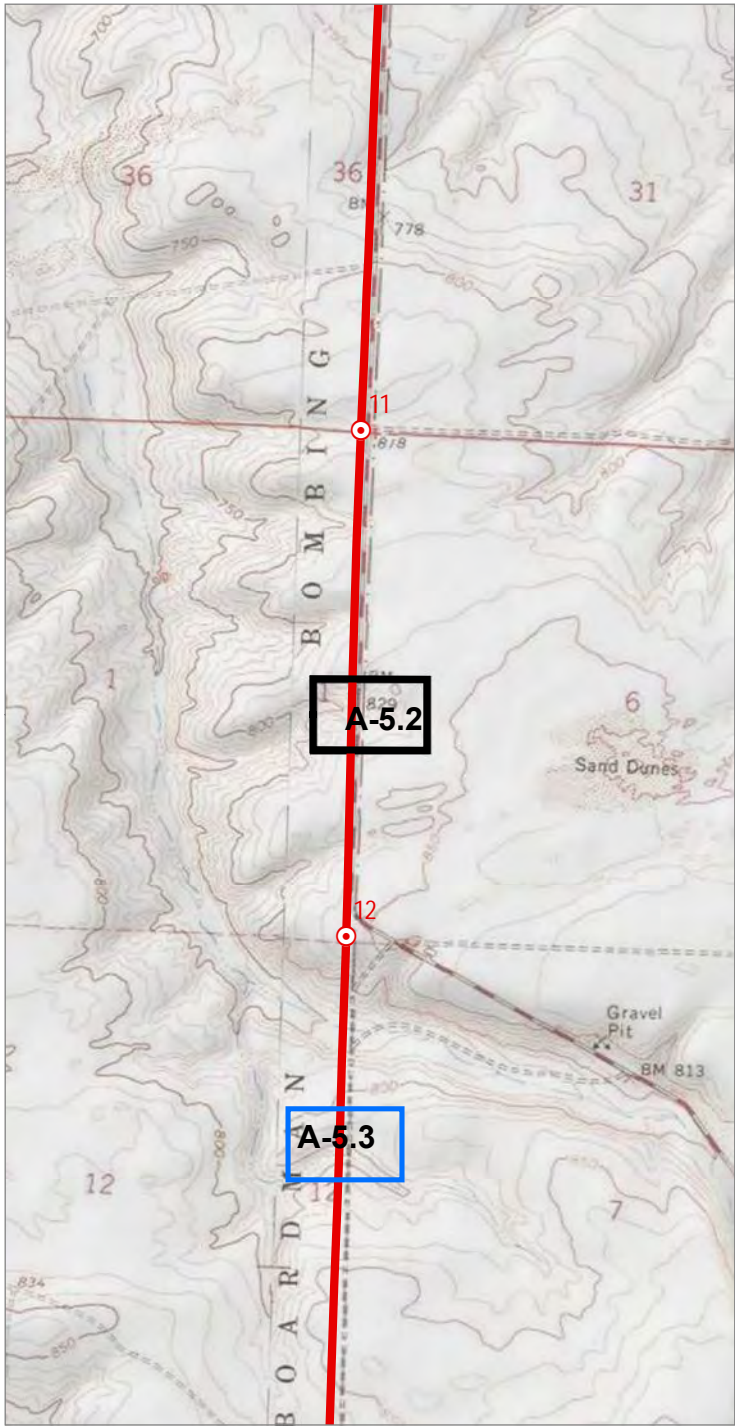
Figure A-5.1
Wetland and Other Waters
Delineation Report
Detail Maps
Morrow County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

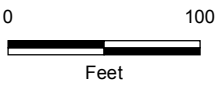
Notes:
1. Elevation contour lines are not available at this time and will be added at a later date.
2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Int'l
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
1. Elevation contour lines are not available at this time and will be added at a later date.
2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

- Site Boundary
- Proposed Route
- Alternative

Mileposts

- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

- Upland verification (Photo ID)

Other Features

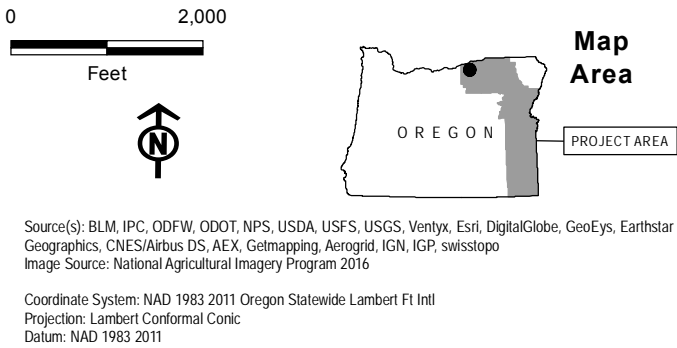
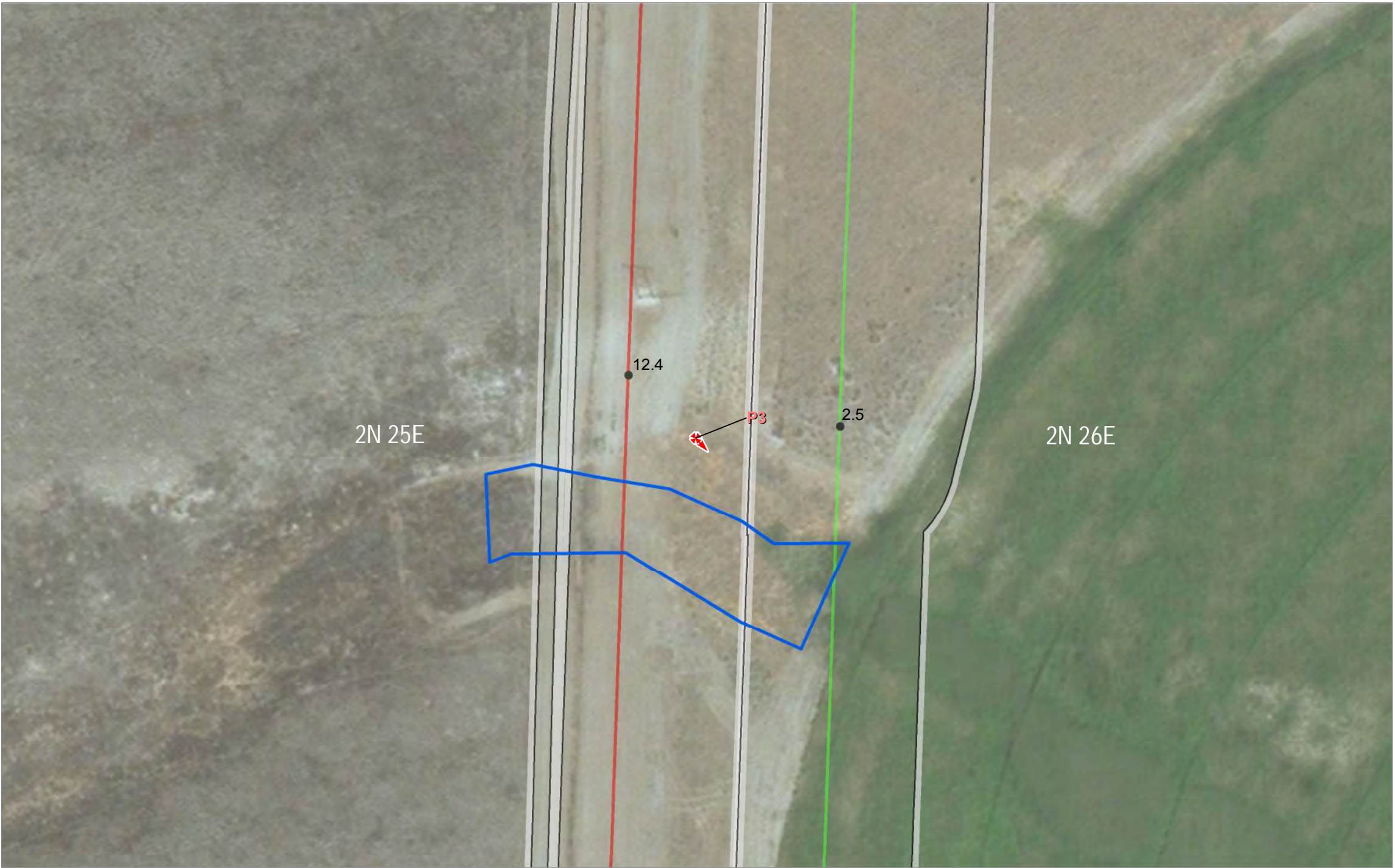
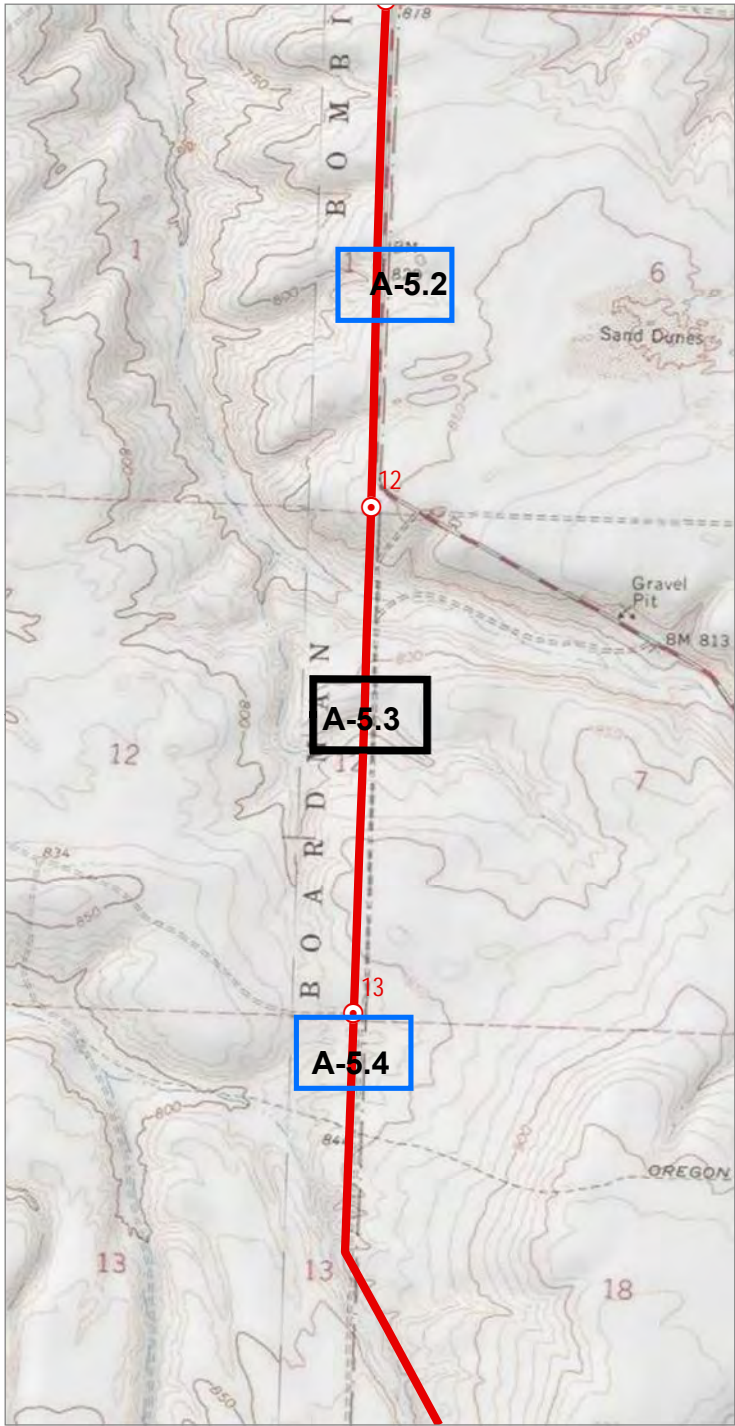
- Other Major Roads



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

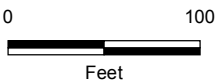
Figure A-5.2
Wetland and Other Waters
Delineation Report
Detail Maps
Morrow County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Notes:

1. Elevation contour lines are not available at this time and will be added at a later date.
2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

- Site Boundary
- Proposed Route
- Alternative

Mileposts

- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

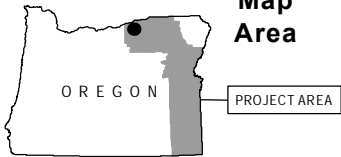
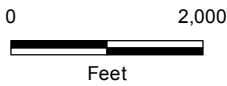
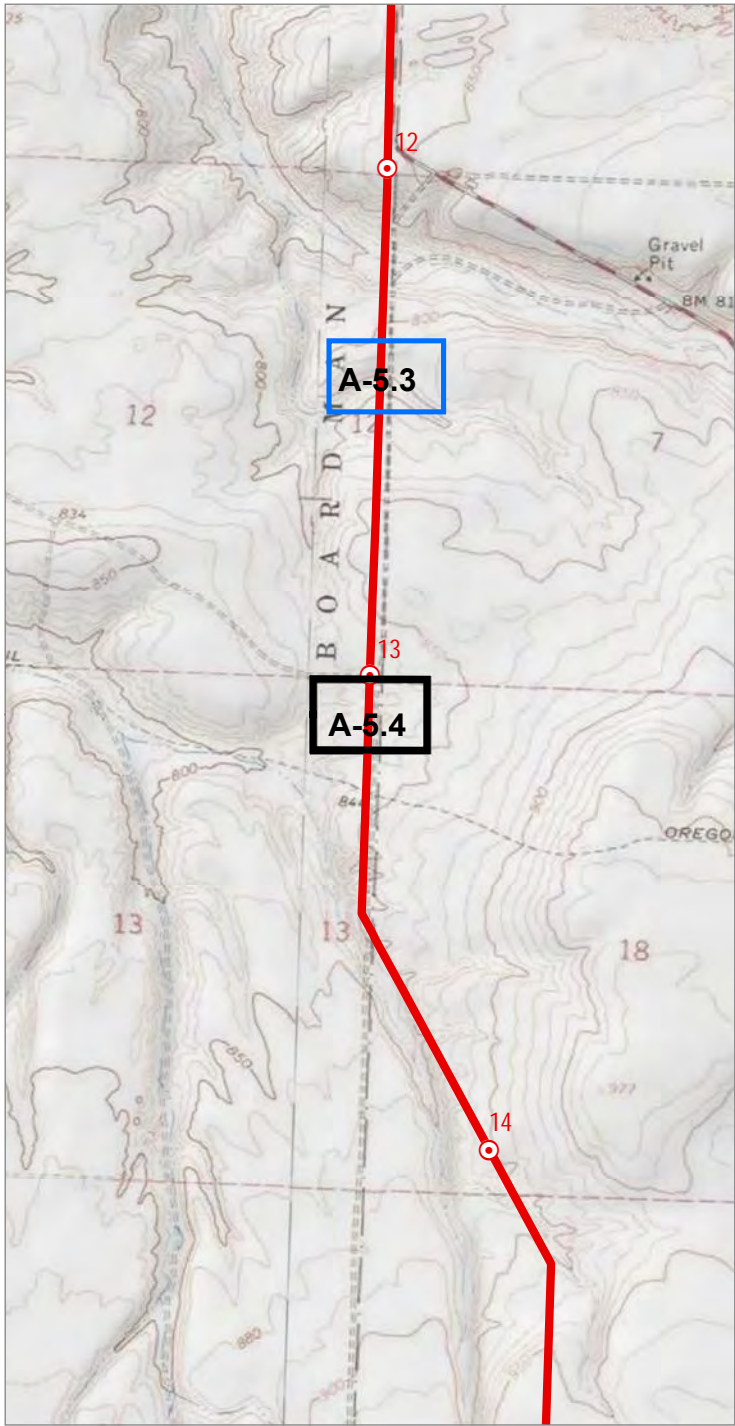
- Upland swale (Photo ID)



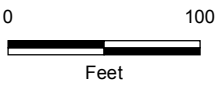
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.3
Wetland and Other Waters
Delineation Report
Detail Maps
Morrow County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Map
Area



Project Features

- Site Boundary
- Proposed Route
- Alternative

Mileposts

- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

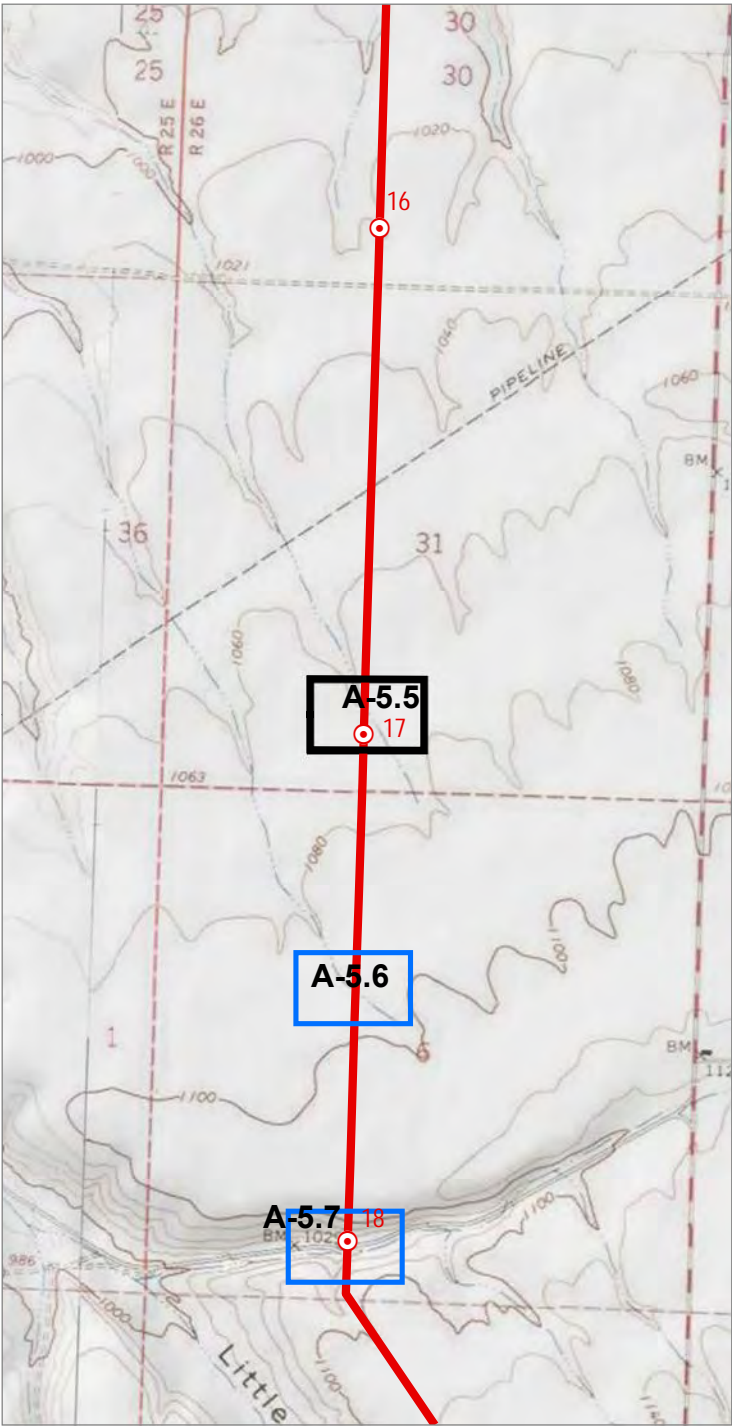
- Upland swale (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.4
Wetland and Other Waters
Delineation Report
Detail Maps
Morrow County

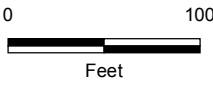
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
1. Elevation contour lines are not available at this time and will be added at a later date.
2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

- Site Boundary
- Proposed Route

Mileposts

- Mile
- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

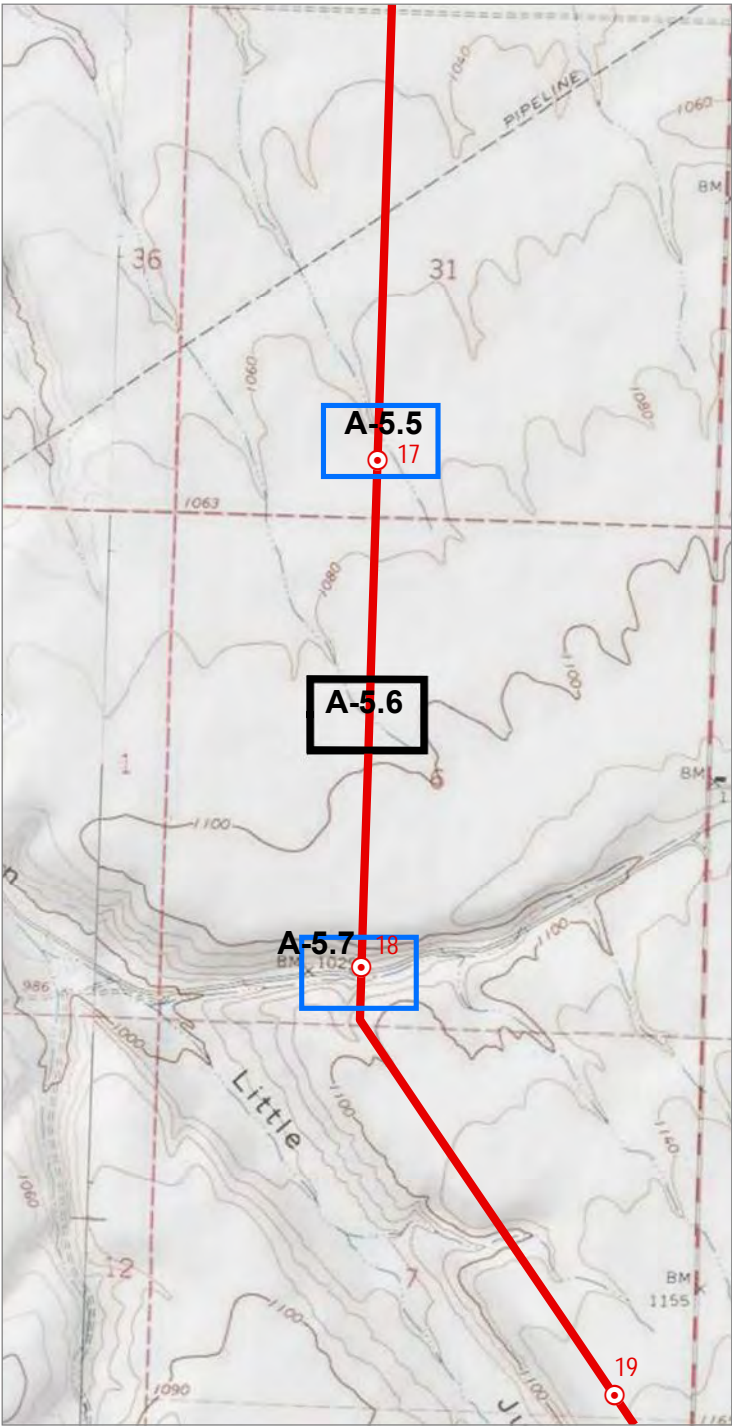
- NHD verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.5
Wetland and Other Waters
Delineation Report
Detail Maps
Morrow County

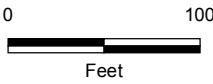
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

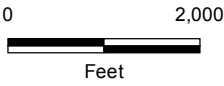
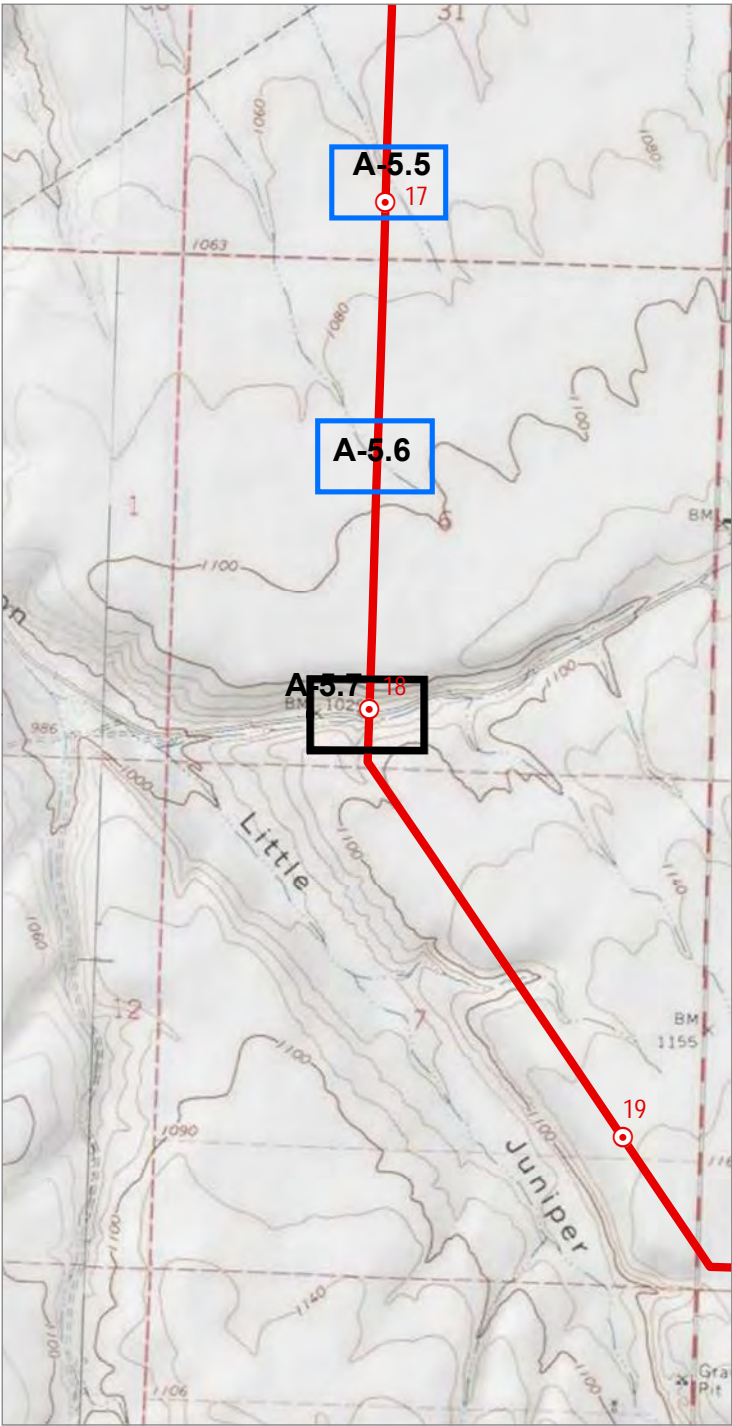
- NHD verification (Photo ID)



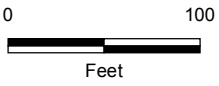
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.6
Wetland and Other Waters
Delineation Report
Detail Maps
Morrow County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Map
Area



Project Features

- Site Boundary
- Proposed Route

Mileposts

- Mile

Study Area

- Study Area

Photo Type & Direction

- NHD verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

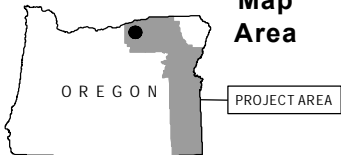
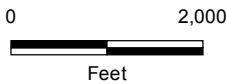
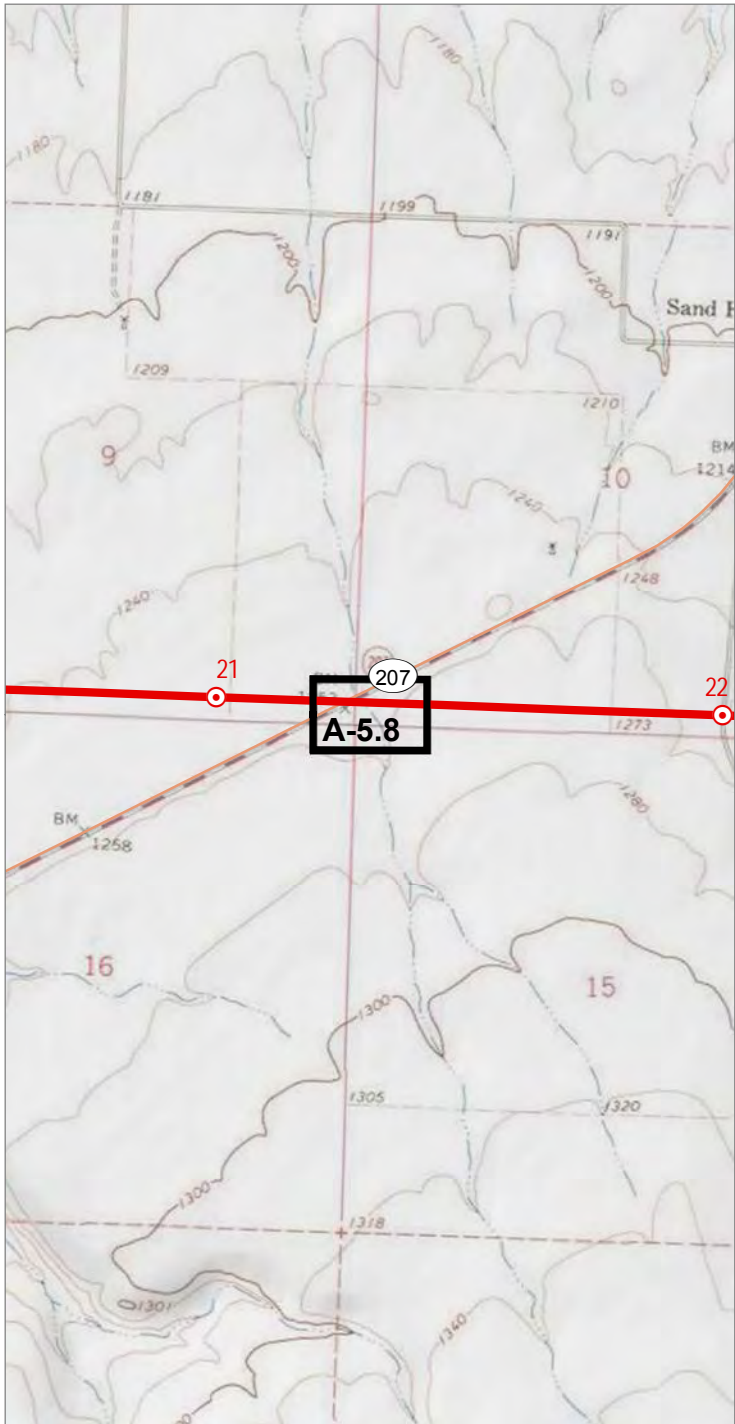
Figure A-5.7
Wetland and Other Waters
Delineation Report
Detail Maps
Morrow County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.

* All delineated wetlands and other waters are considered to extend outside
of the study areas unless otherwise noted. Delineated wetlands and other
waters that are completely contained within the study areas are noted in
the figure legend by their feature names.

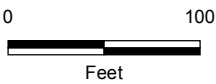


Map
Area

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

- NHD verification (Photo ID)

Other Features

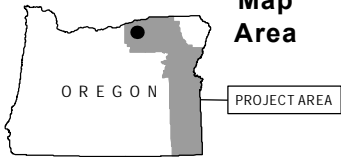
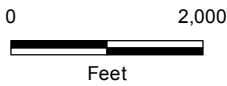
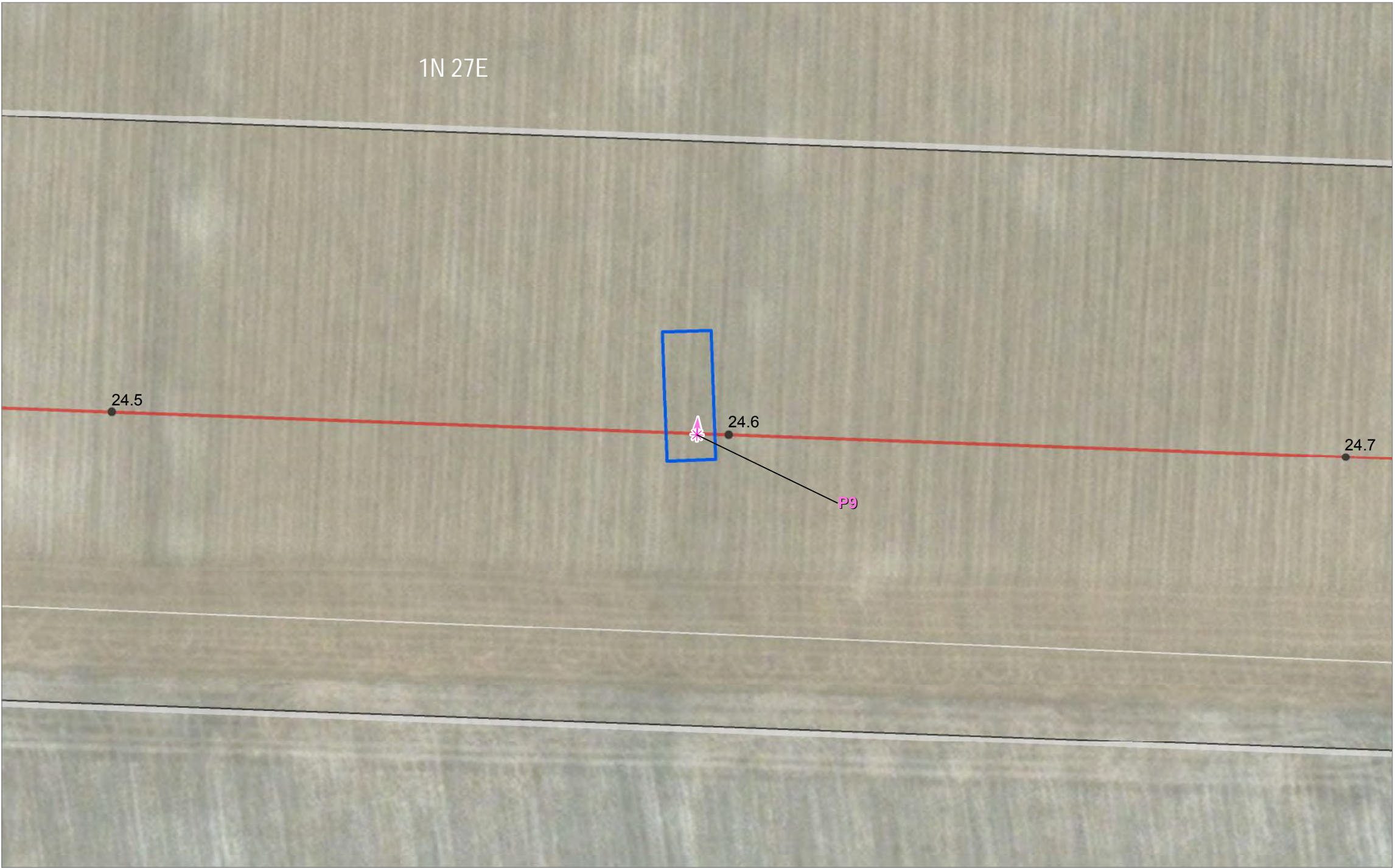
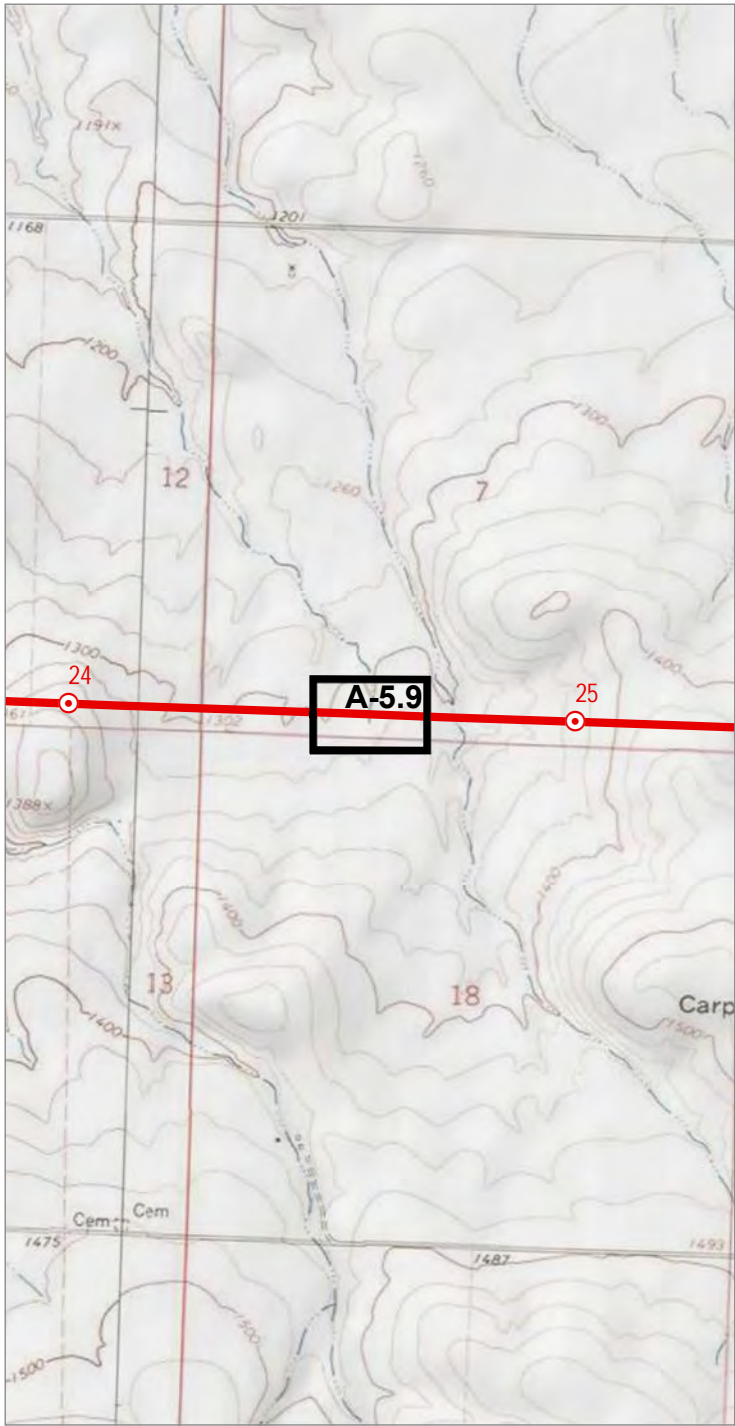
- Other Major Roads



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.8
Wetland and Other Waters
Delineation Report
Detail Maps
Morrow County

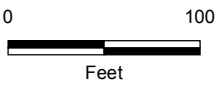
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

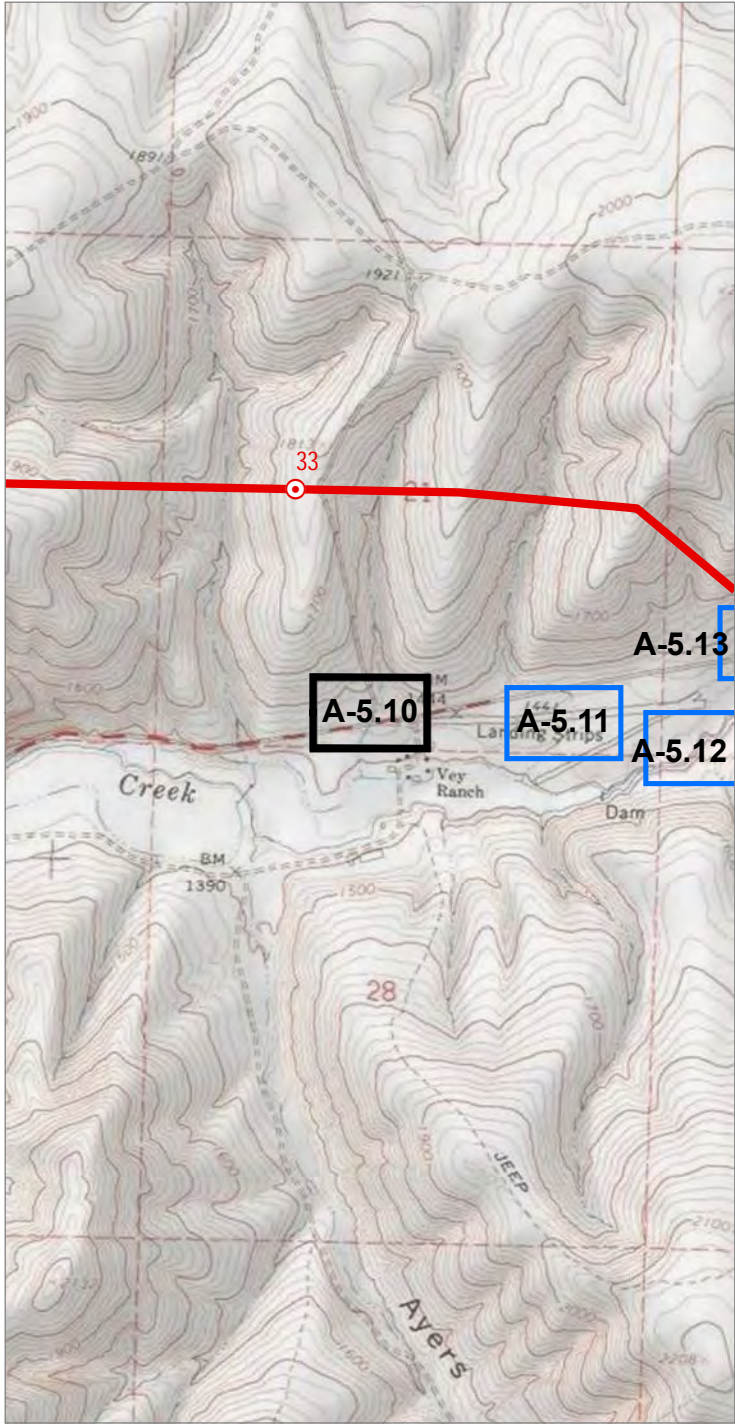
- NHD verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.9
Wetland and Other Waters
Delineation Report
Detail Maps
Morrow County

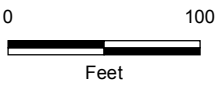
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Project Features

Site Boundary

Study Area

Study Area

Photo Type & Direction

NHD verification (Photo ID)

Other Features

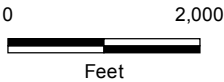
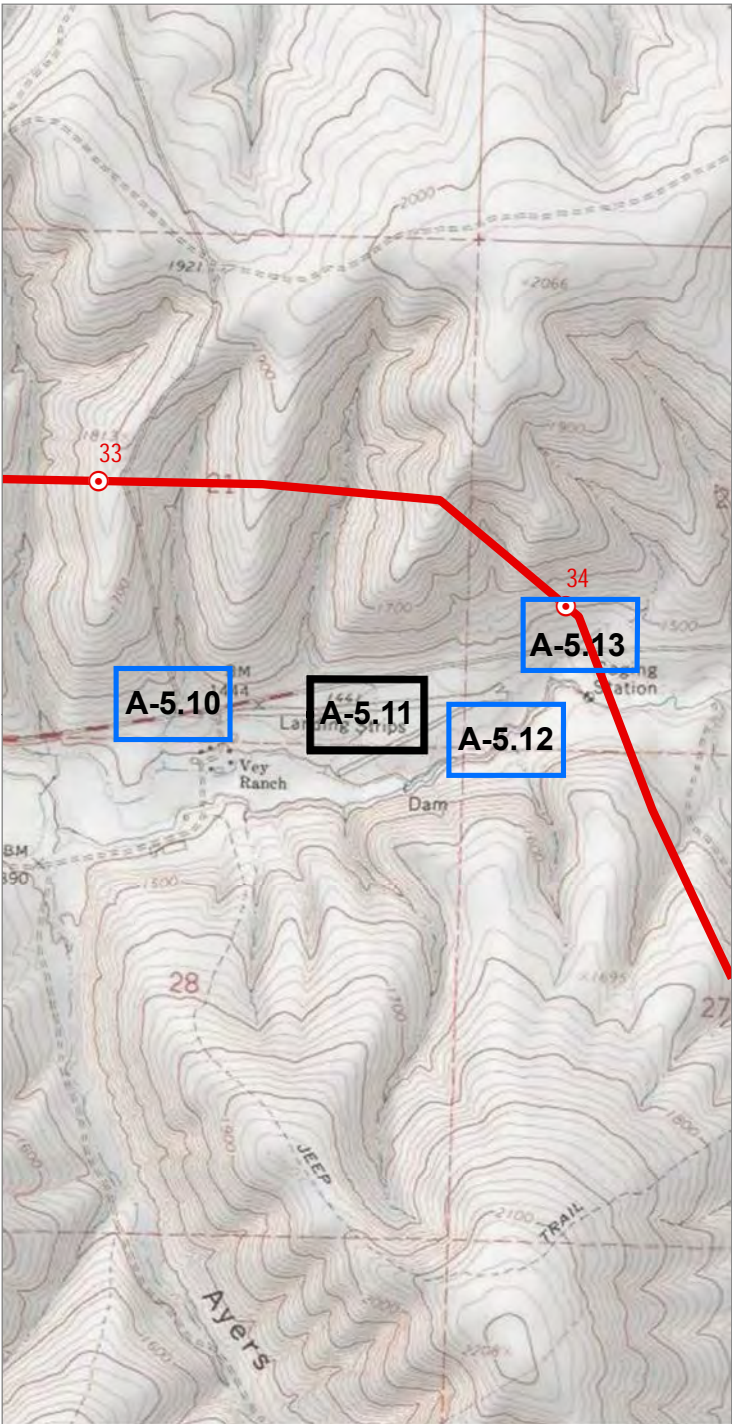
Other Major Roads



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.10
Wetland and Other Waters
Delineation Report
Detail Maps
Morrow County

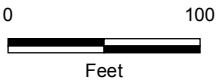
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Project Features

Site Boundary

Study Area

Study Area

Photo Type & Direction

NHD verification (Photo ID)

Other Features

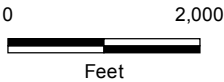
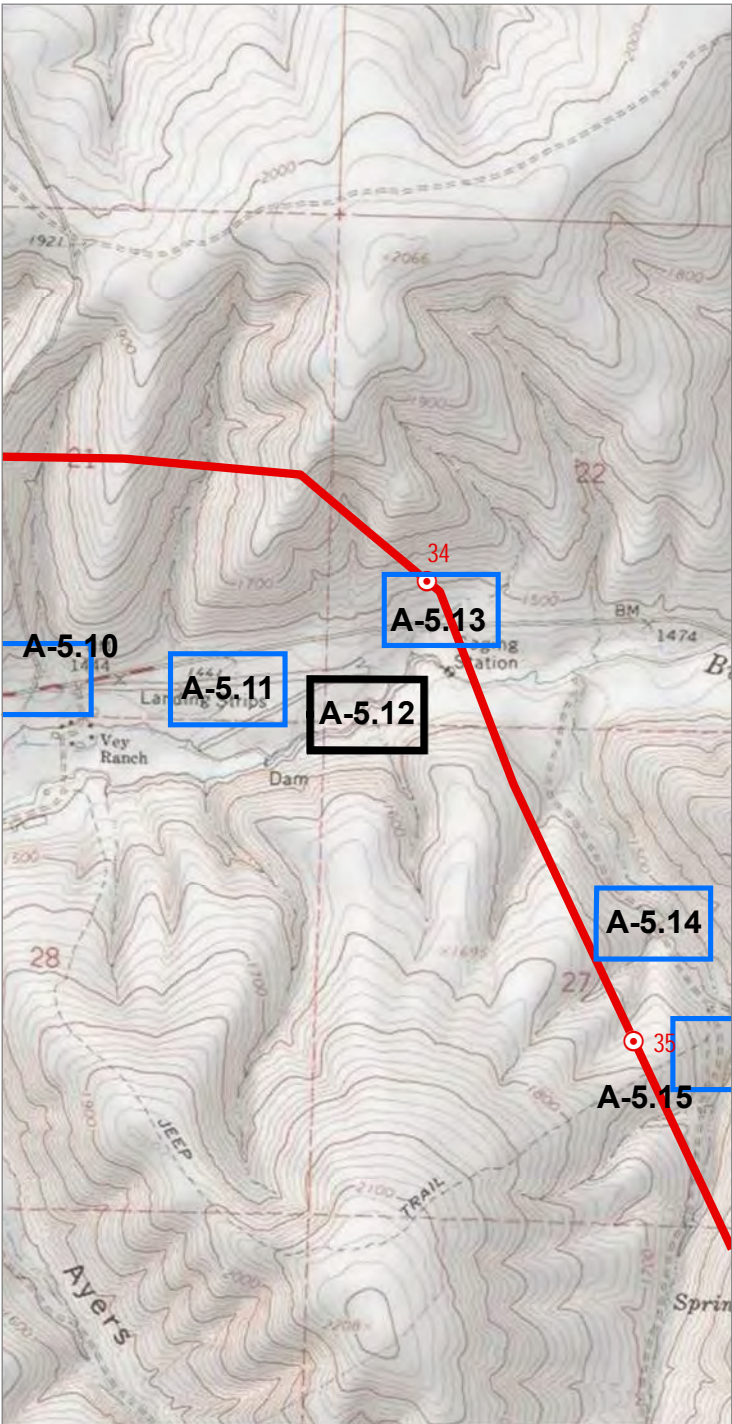
Other Major Roads



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.11
Wetland and Other Waters
Delineation Report
Detail Maps
Morrow County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



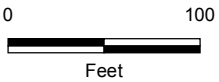
Map
Area

PROJECT AREA

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices
and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

Site Boundary

Study Area

Study Area

Field Delineated Stream

Photo Type & Direction

NHD verification (Photo ID)

Stream (Photo ID)

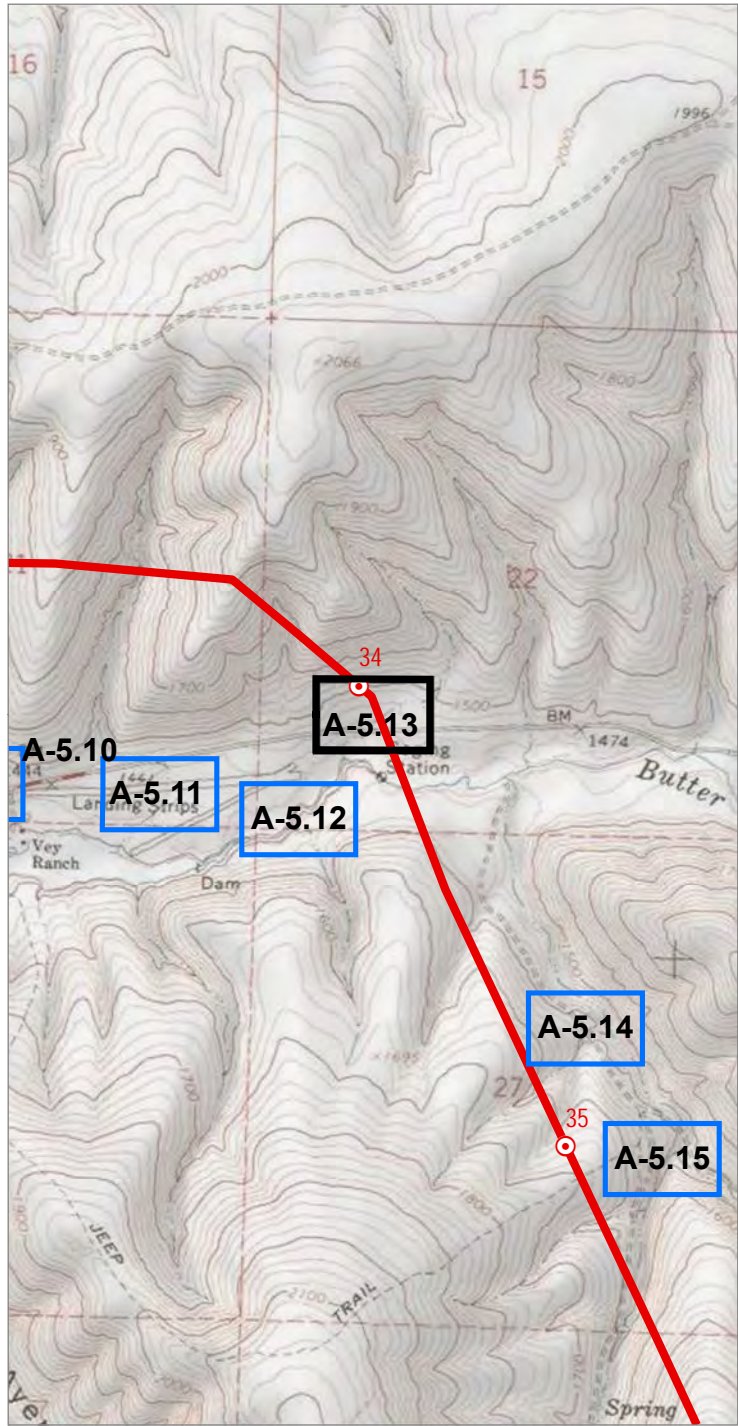
Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.12
Wetland and Other Waters
Delineation Report
Detail Maps
Morrow County

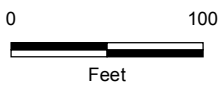
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of the study areas unless otherwise noted. Delineated wetlands and other
waters that are completely contained within the study areas are noted in
the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Int'l
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

- Site Boundary
- Proposed Route

Mileposts

- Mile
- Tenth-mile

Study Area

- Study Area
- Field Delineated Stream

Photo Type & Direction

- NHD verification (Photo ID)
- Stream (Photo ID)
- Flow Direction

Other Features

- Other Major Roads

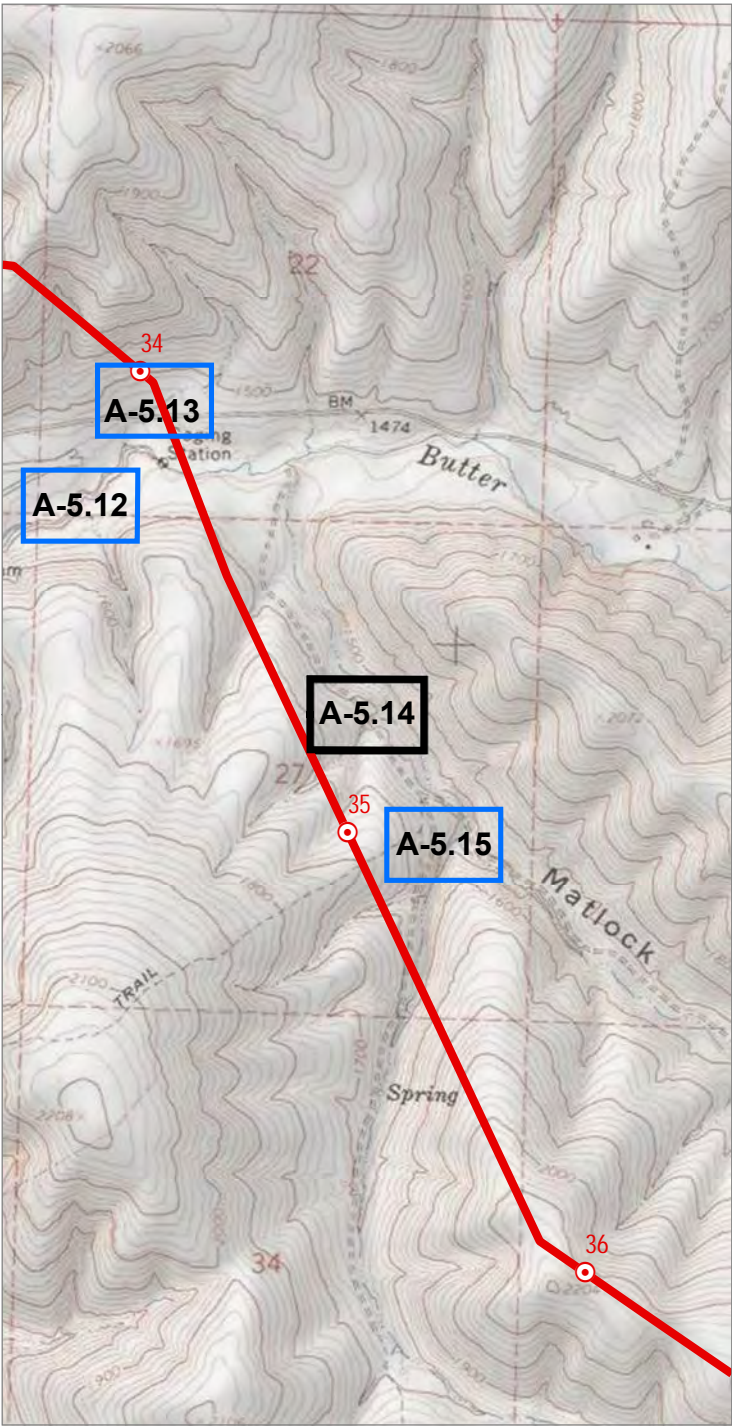
MO_SW_STRM_001 is completely contained within the Study Area



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.13
Wetland and Other Waters
Delineation Report
Detail Maps
Morrow County

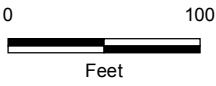
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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

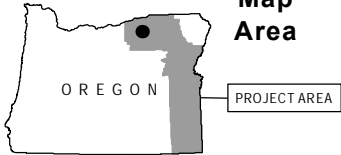
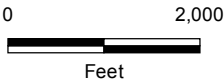
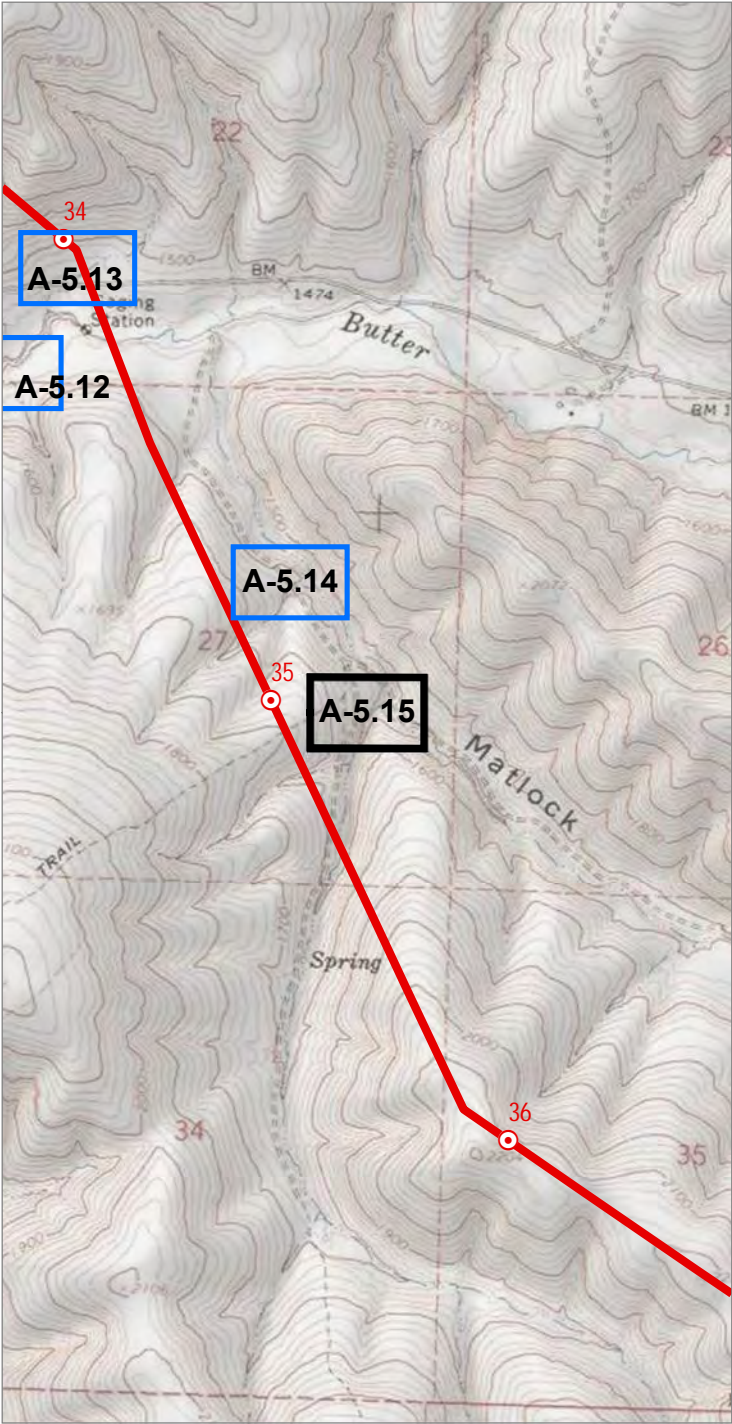
Notes:
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2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



- Project Features**
- Site Boundary
- Study Area**
- Study Area
 - Field Delineated Stream
- Photo Type & Direction**
- Stream (Photo ID)
 - Flow Direction

MO_SW_STRM_301 is completely contained within the Study Area

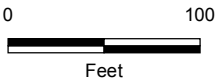
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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Project Features

Site Boundary

Study Area

Study Area

Soil Plot

Photo Type & Direction

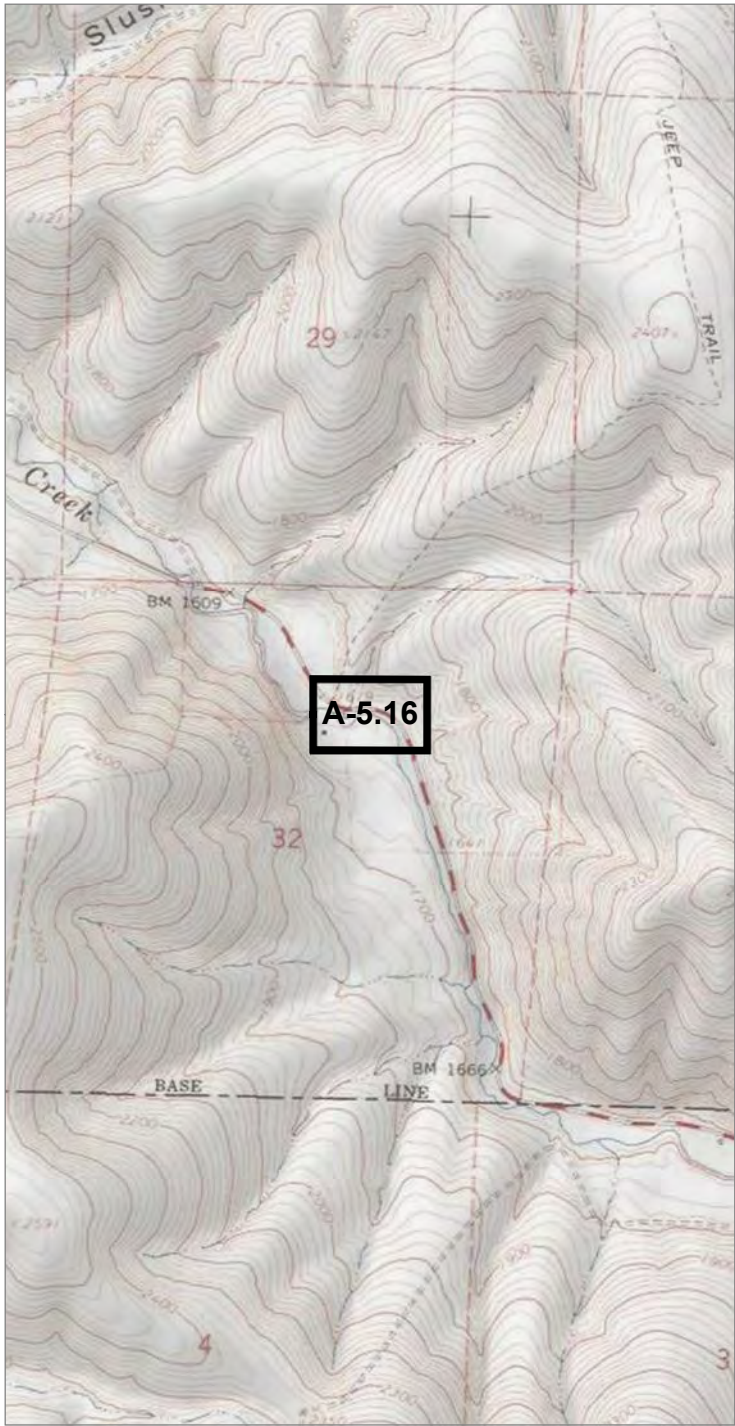
NWI verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.15
Wetland and Other Waters
Delineation Report
Detail Maps
Morrow County

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0 2,000
Feet

Map Area

OREGON

PROJECT AREA

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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0 100
Feet

Project Features

- Site Boundary
- Bridge

Study Area

- Study Area
- Field Delineated Stream

Photo Type & Direction

- Stream (Photo ID)

Other Features

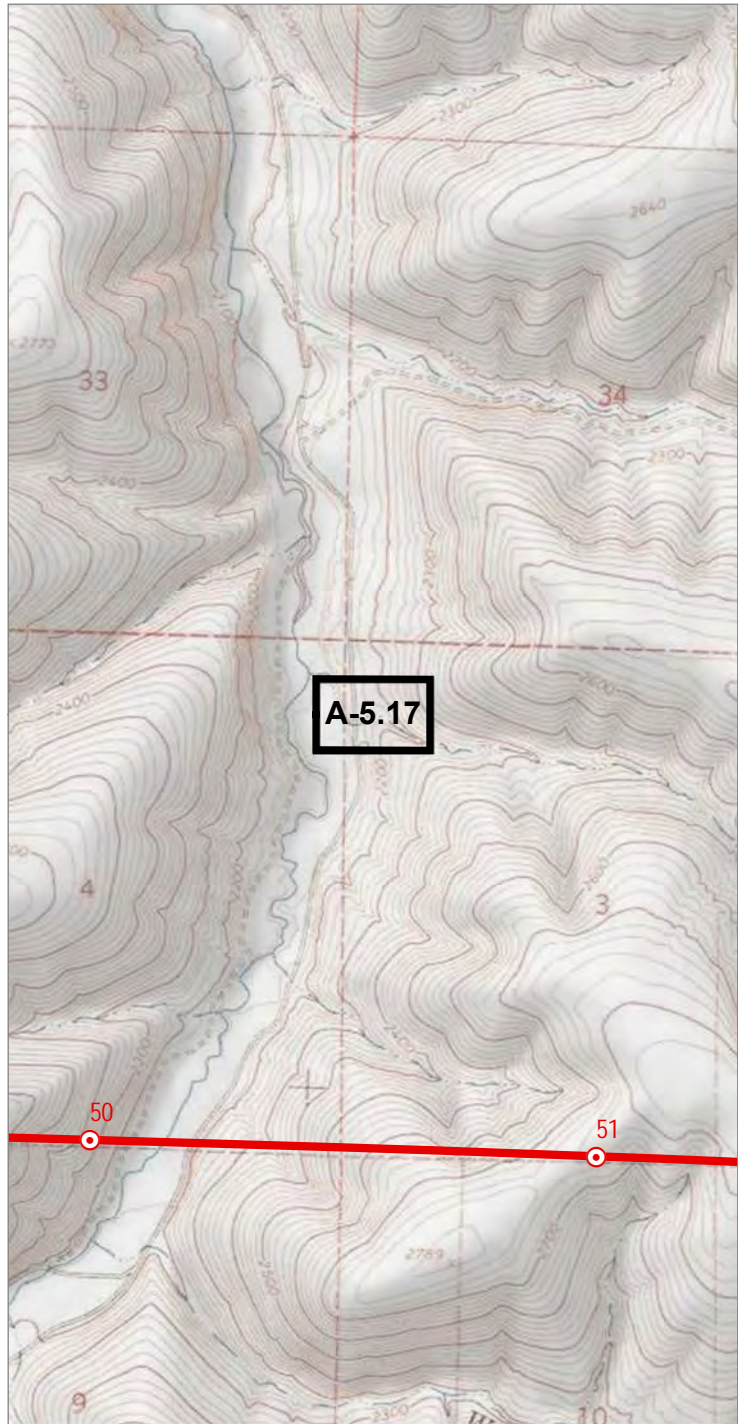
- Flow Direction
- Other Major Roads

IDAHO POWER
An IDACORP Company

Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.16
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

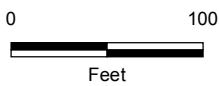
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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Int'l
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



- Project Features**
- Site Boundary
- Study Area**
- Study Area
 - Field Delineated Stream
- Photo Type & Direction**
- Stream (Photo ID)
 - Flow Direction

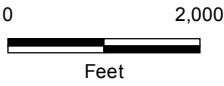
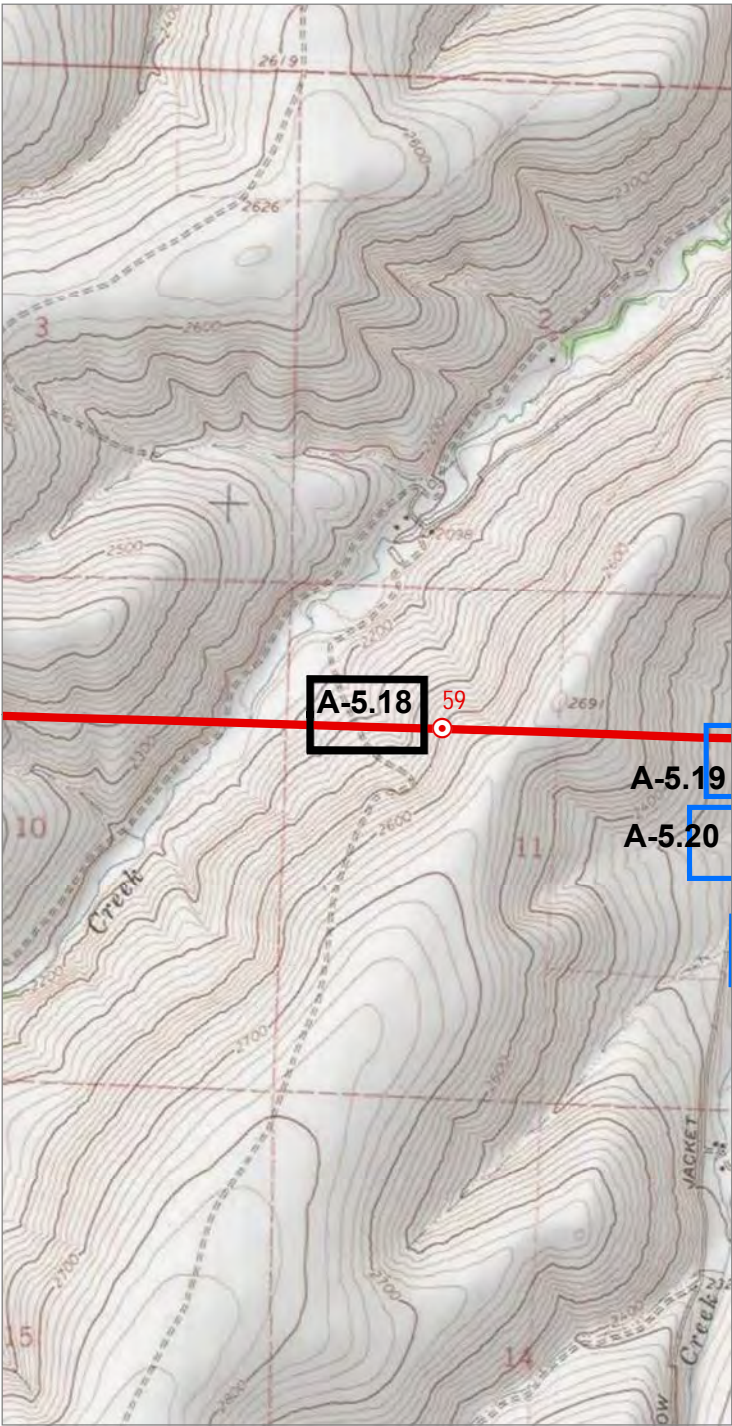
UM_SW_STRM_007 is completely contained within the Study Area



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.17
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

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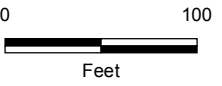
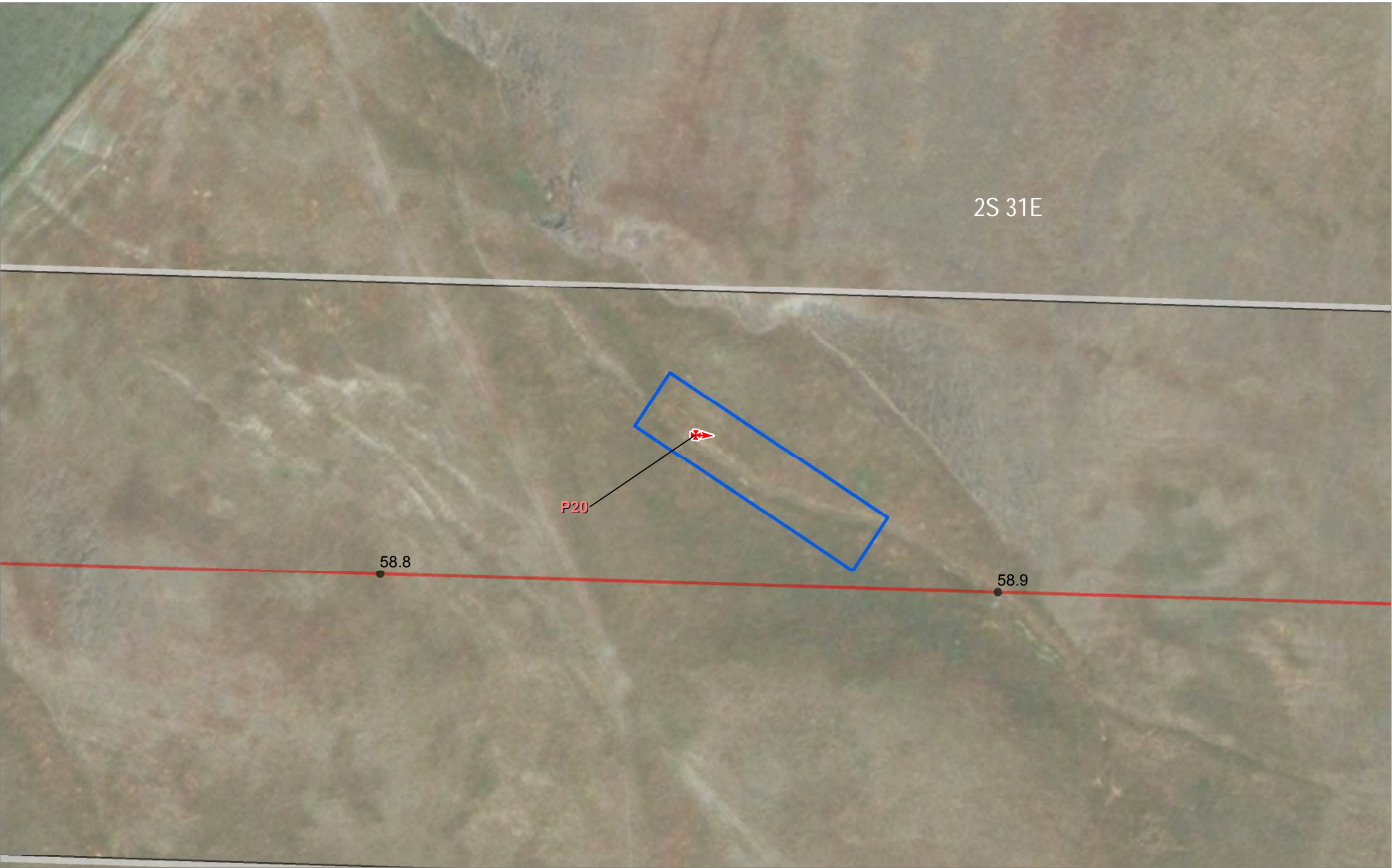


Map
Area

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

Site Boundary

Proposed Route

Mileposts

Tenth-mile

Study Area

Study Area

Photo Type & Direction

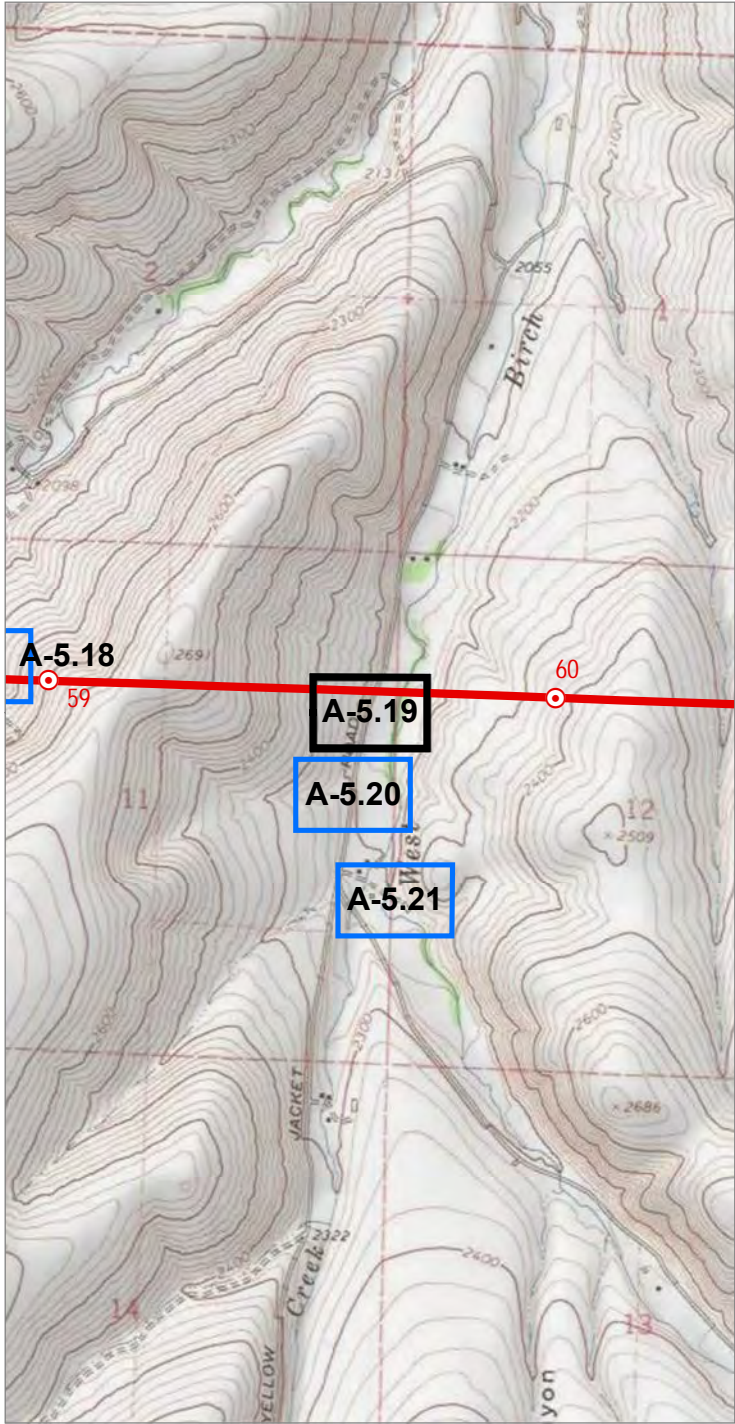
Upland swale (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.18
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

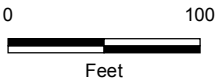
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of the study areas unless otherwise noted. Delineated wetlands and other
waters that are completely contained within the study areas are noted in
the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Int'l
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
1. Elevation contour lines are not available at this time and will be added at a later date.
2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

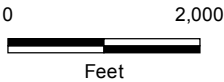
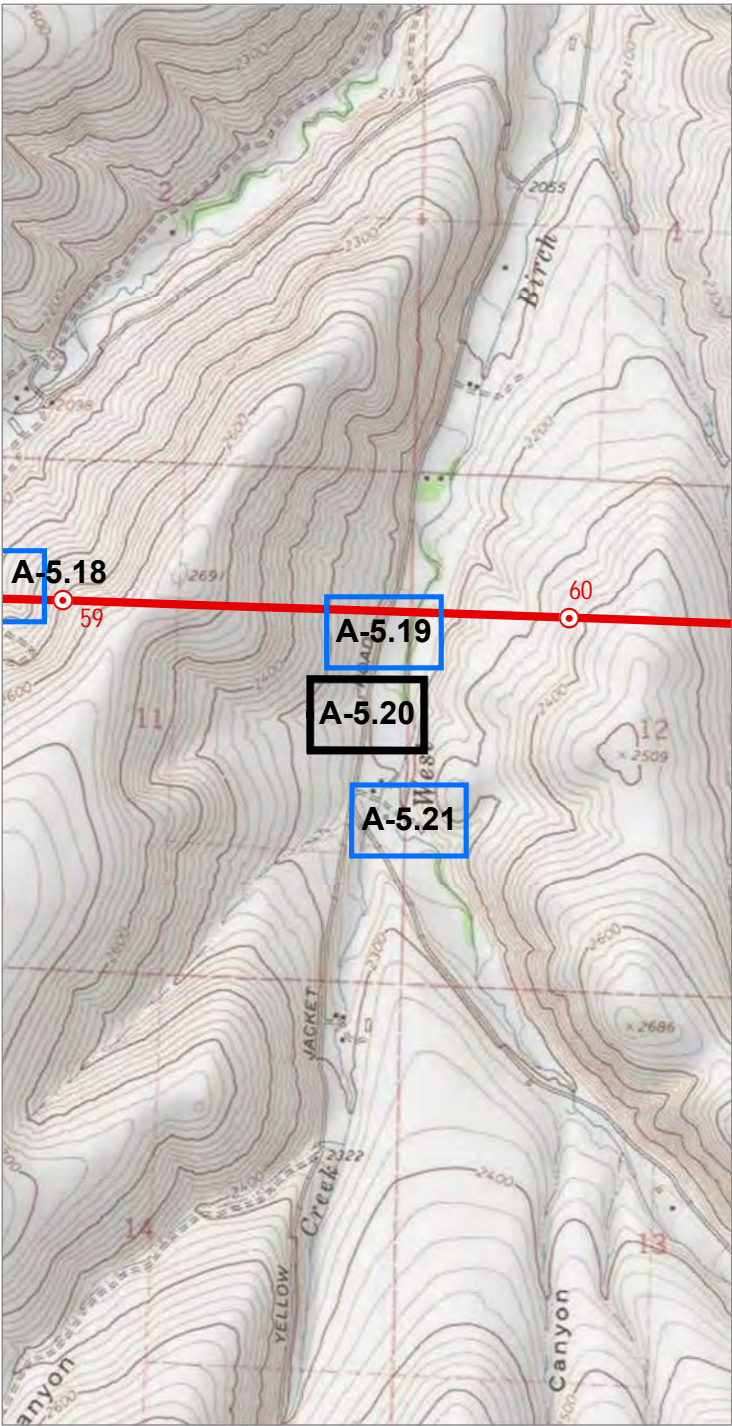
- Hydric soil verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.19
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

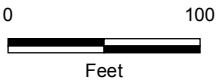
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

Site Boundary

Study Area

Study Area

Photo Type & Direction

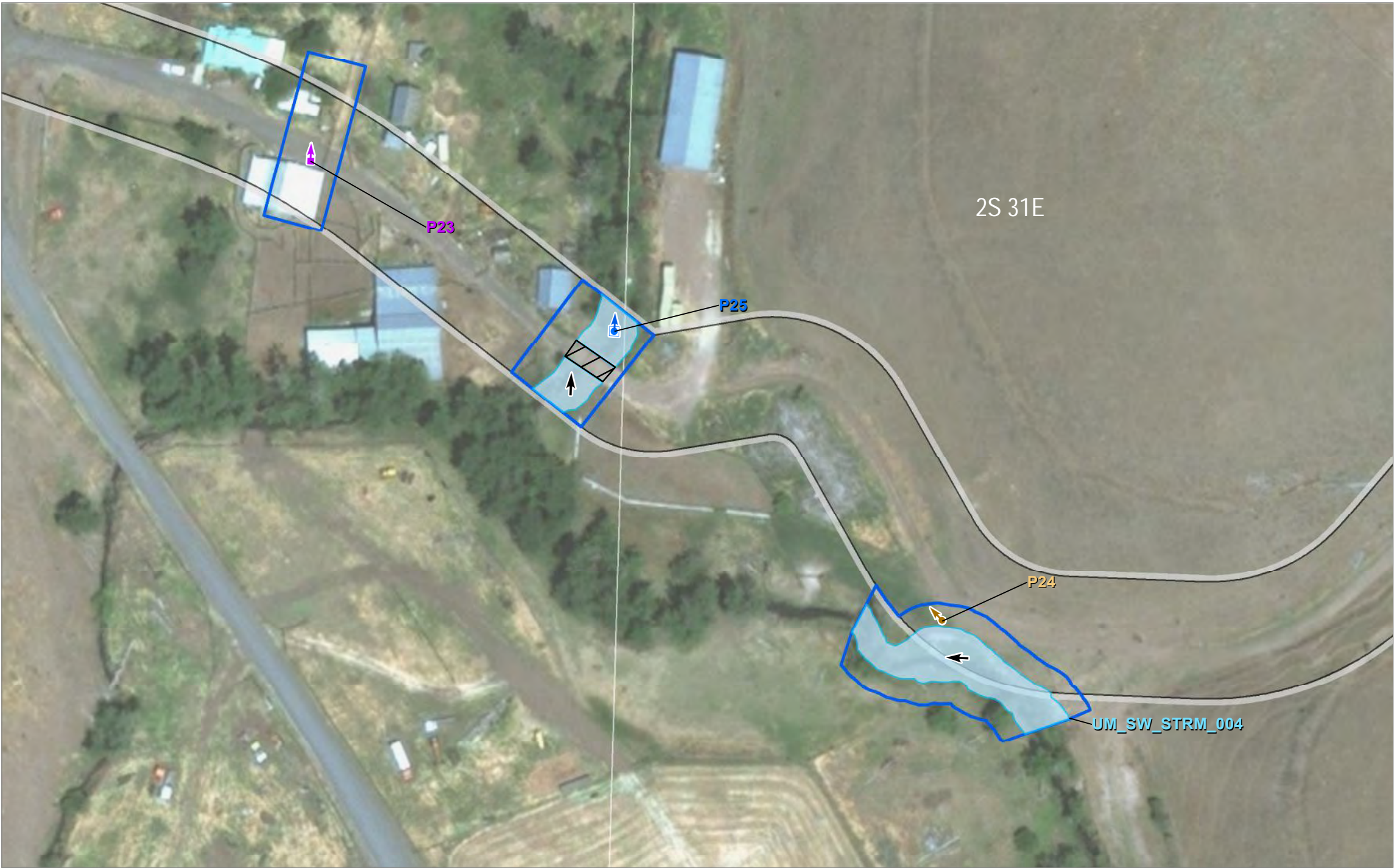
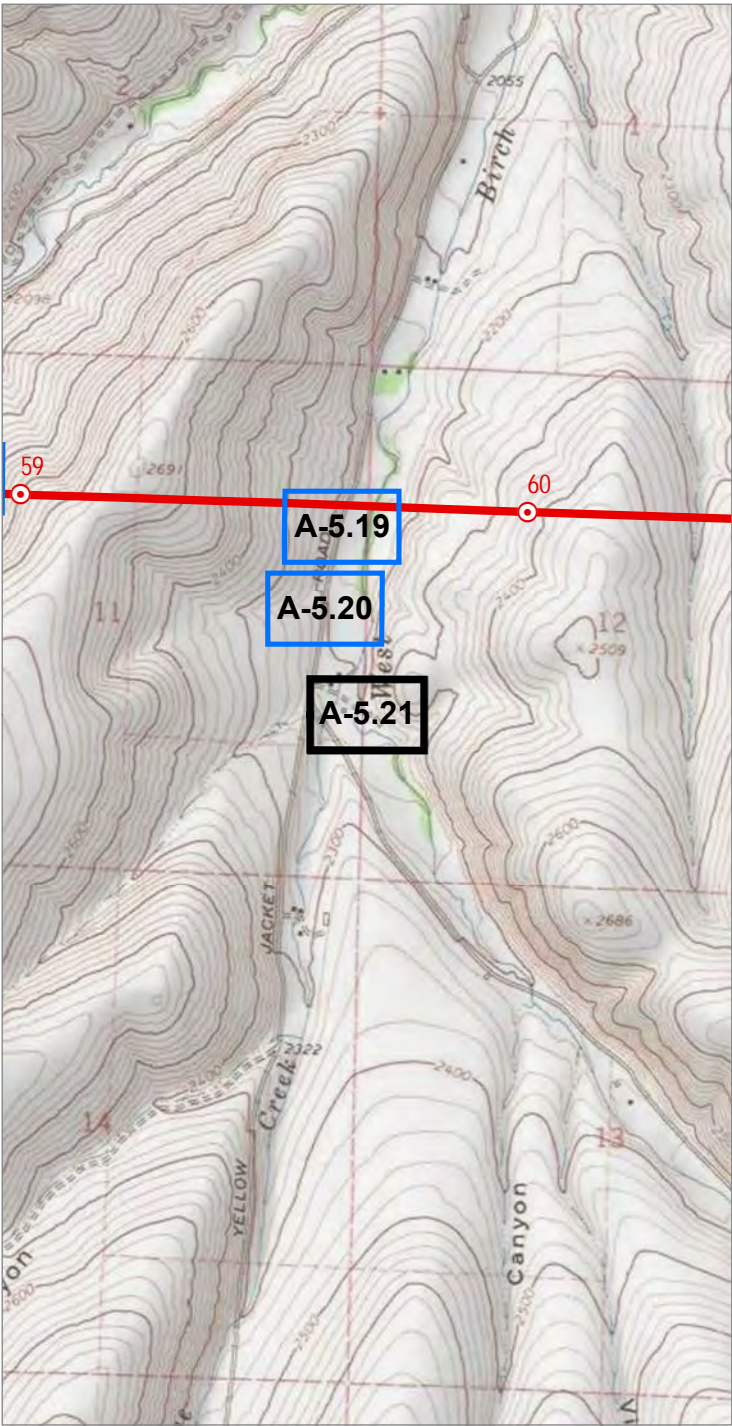
Hydric soil verification
(Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.20
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

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0 2,000
Feet



Map
Area

0 100
Feet

Project Features

Site Boundary

Bridge

Study Area

Study Area

Field Delineated Stream

Photo Type & Direction

Hydric soil verification
(Photo ID)

NWI verification (Photo ID)

Stream (Photo ID)

Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

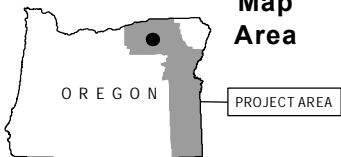
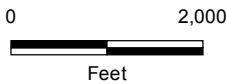
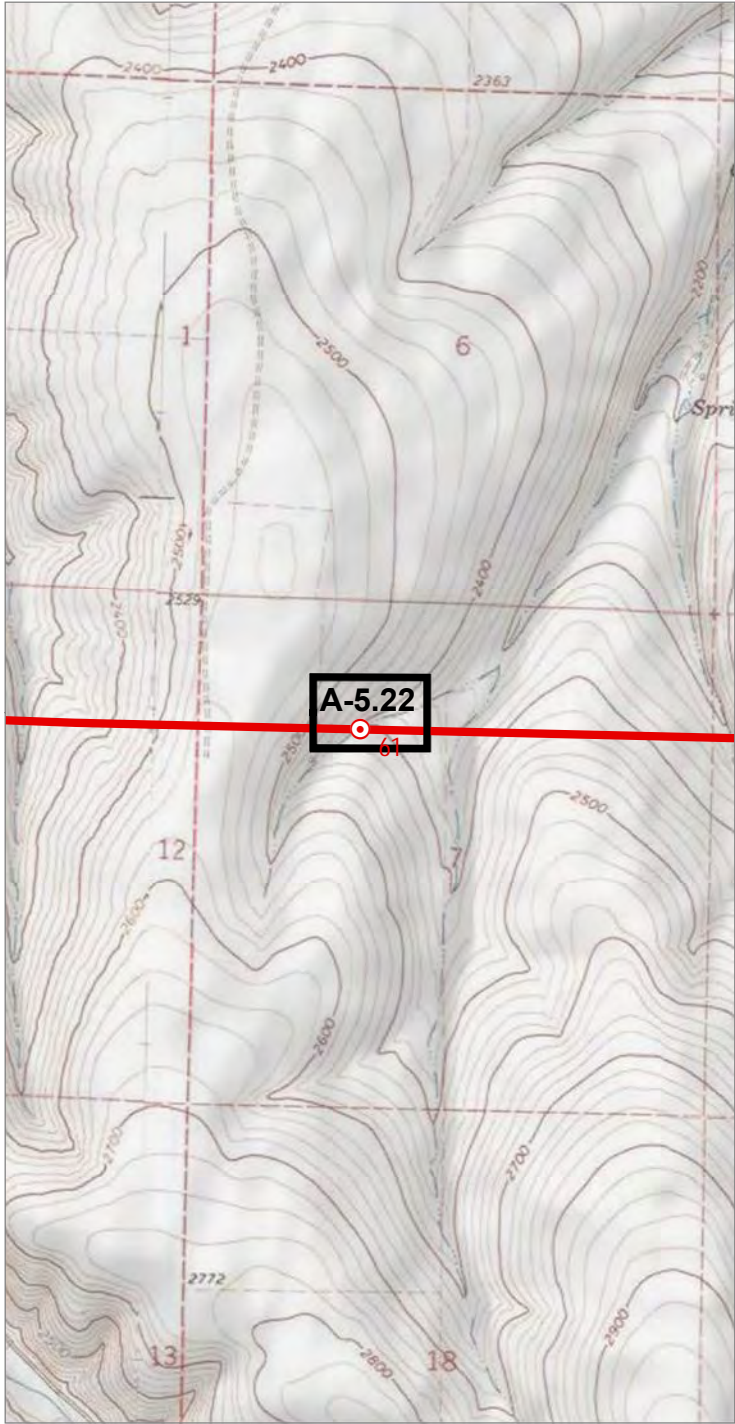
Figure A-5.21
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.

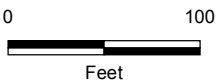
Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Map
Area



Project Features

- Site Boundary
- Proposed Route

Mileposts

- Mile
- Tenth-mile

Study Area

- Study Area
- Field Delineated Stream

Photo Type & Direction

- Stream (Photo ID)
- Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

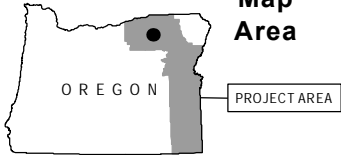
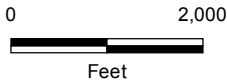
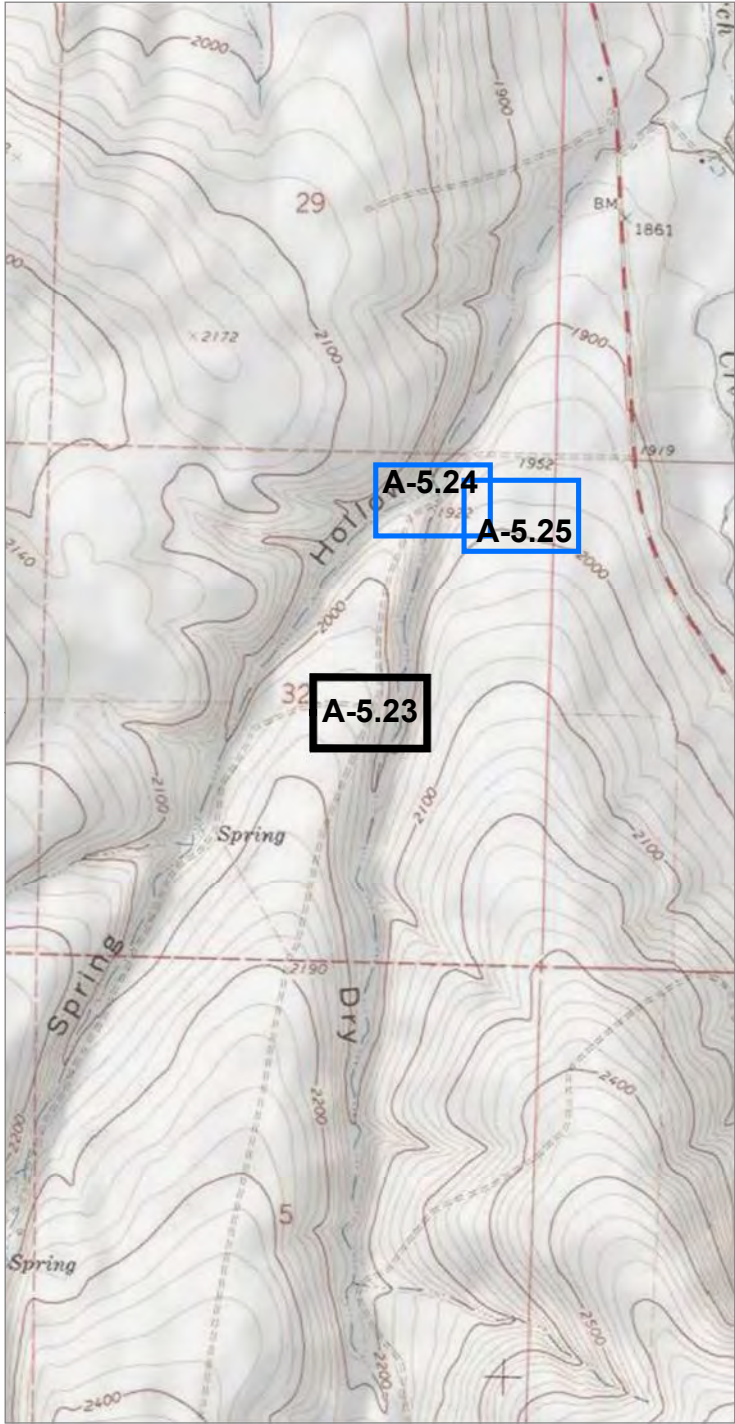
Figure A-5.22
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Int'l
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

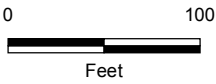
Notes:
1. Elevation contour lines are not available at this time and will be added at a later date.
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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Int'l
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

Site Boundary

Study Area

Study Area

Photo Type & Direction

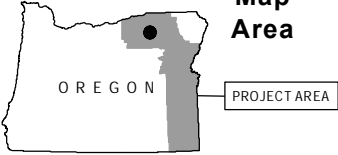
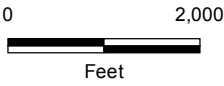
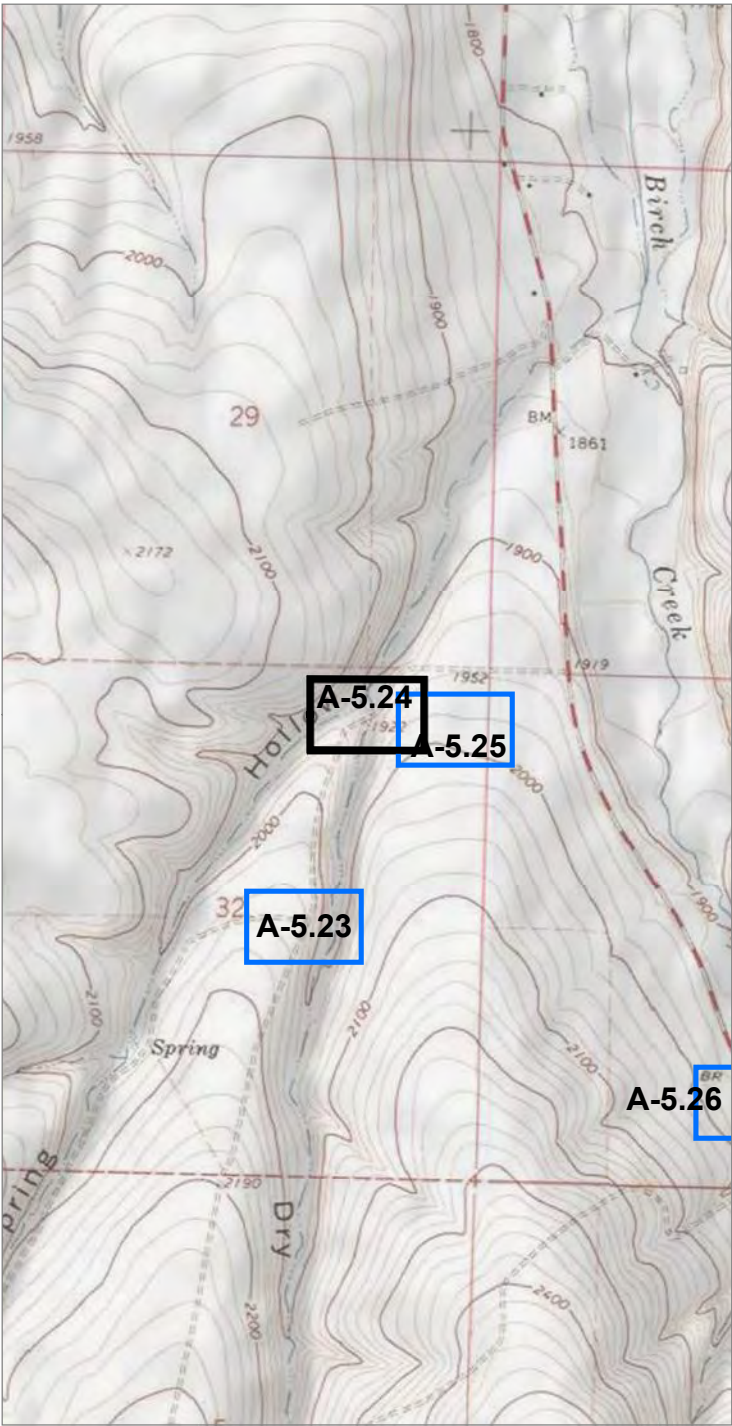
Hydric soil verification
(Photo ID)



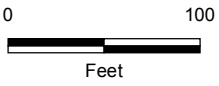
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.23
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

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Map Area



Project Features

Site Boundary

Study Area

Study Area

Field Delineated Stream

Photo Type & Direction

Stream (Photo ID)

Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

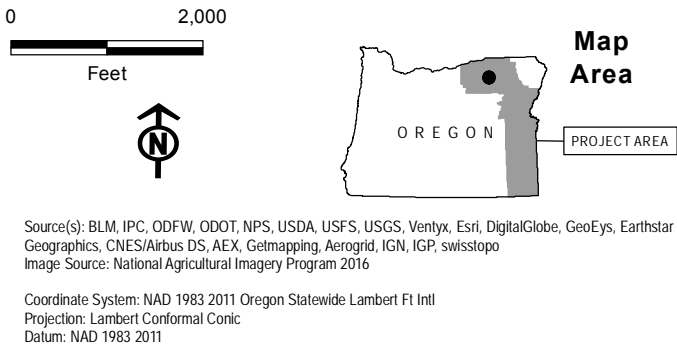
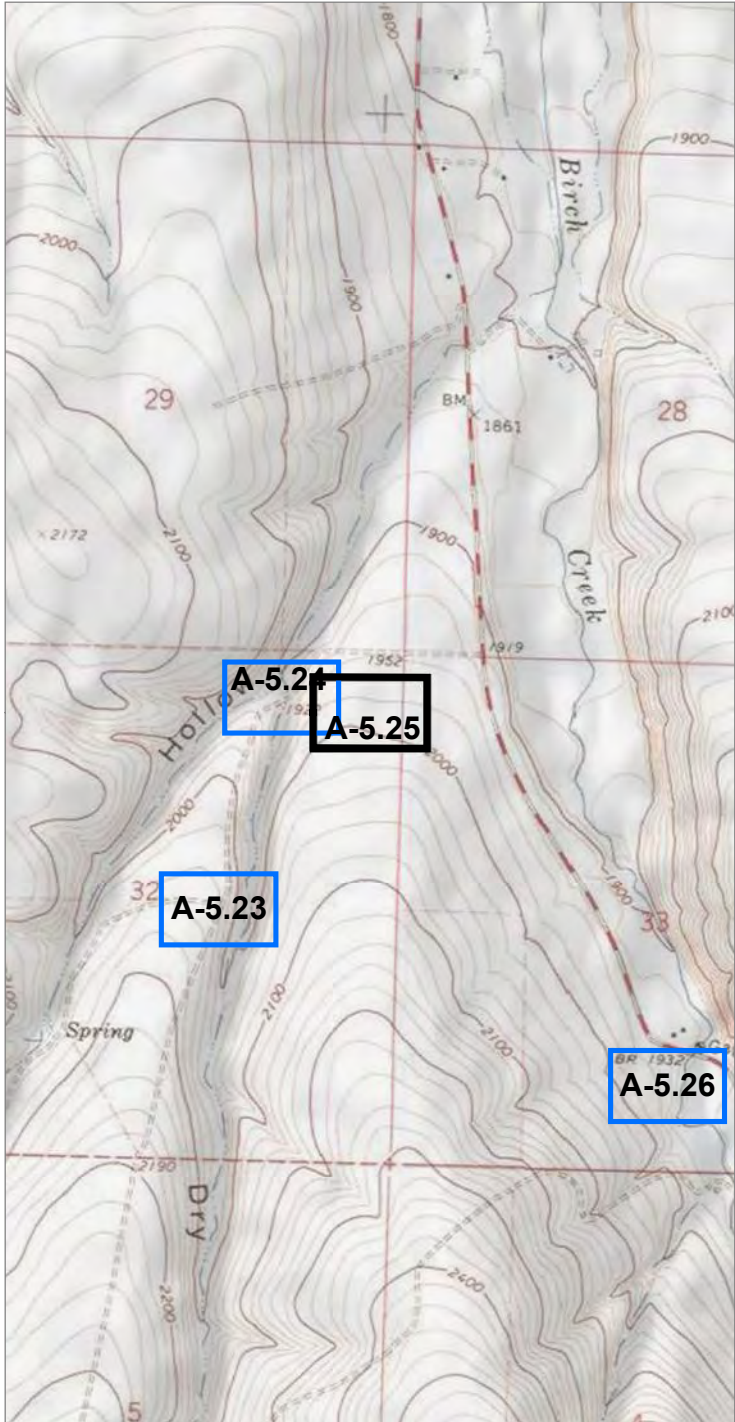
Figure A-5.24
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Project Features

- Site Boundary
- Soil Plot

Photo Type & Direction

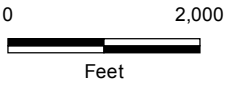
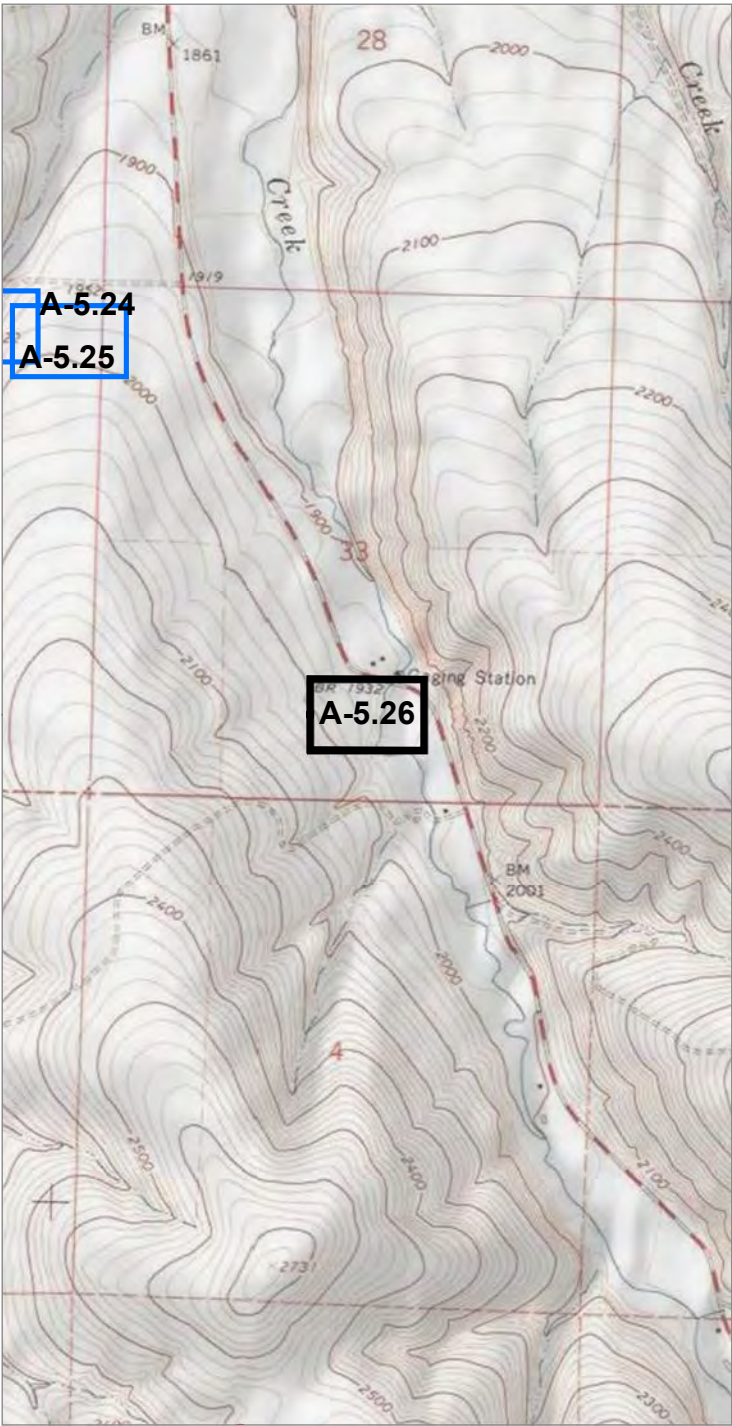
- Hydric soil verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.25
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

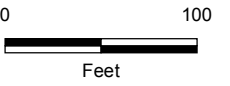
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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Project Features

Site Boundary

Study Area

Study Area

Soil Plot

Photo Type & Direction

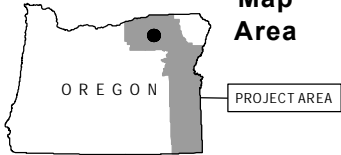
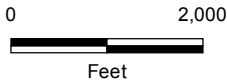
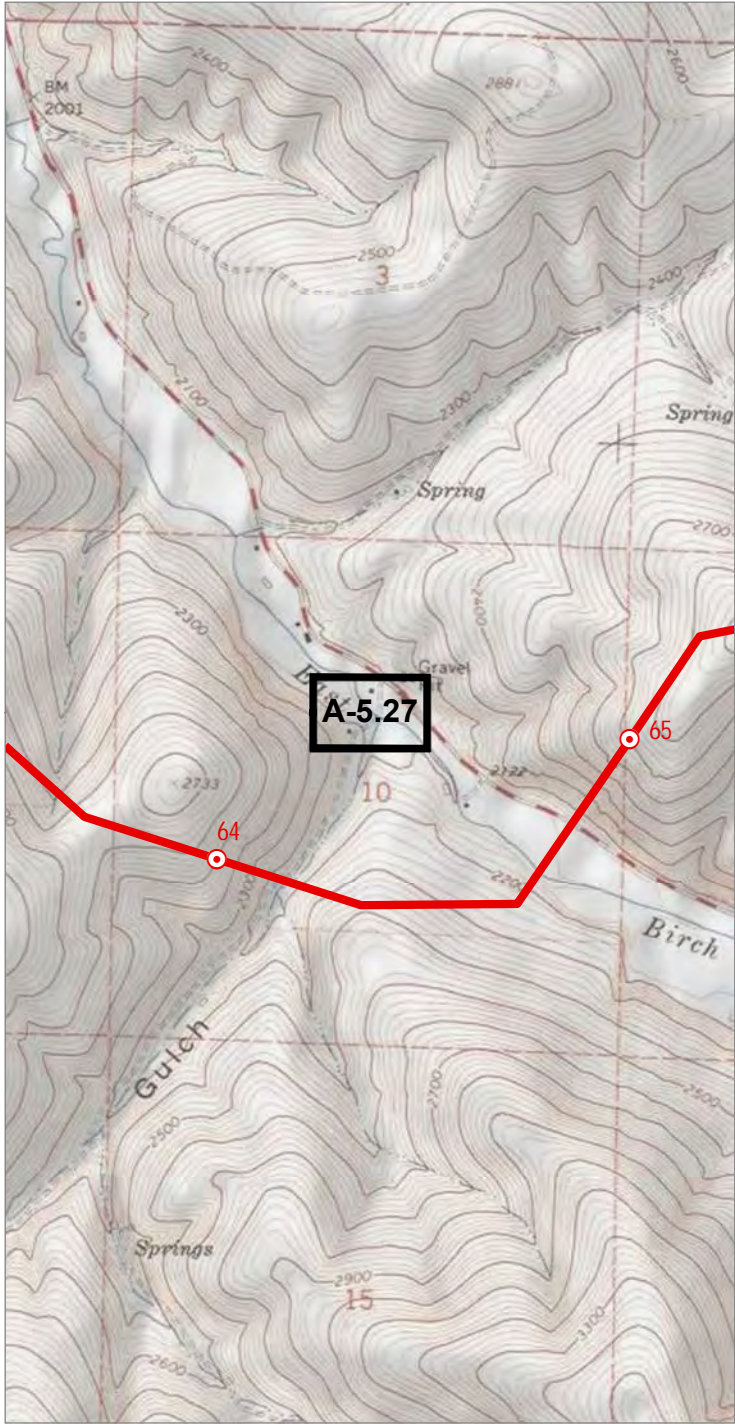
Hydric soil verification
(Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.26
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

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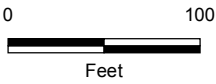
Map
Area

PROJECT AREA

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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Project Features

- Site Boundary
- Bridge

Study Area

- Study Area
- Field Delineated Stream

Photo Type & Direction

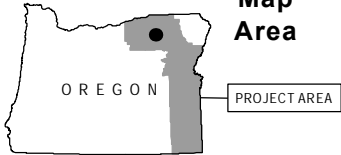
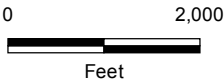
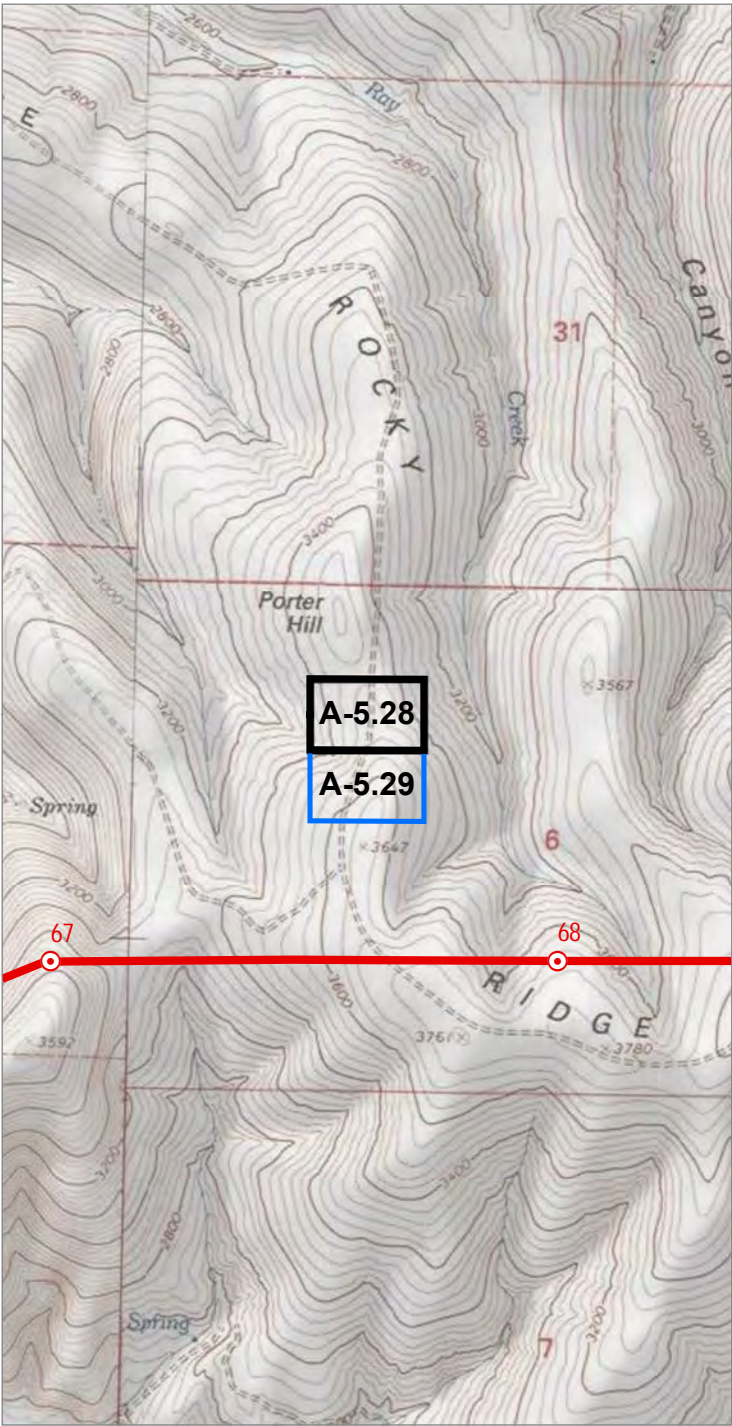
- Stream (Photo ID)
- Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.27
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

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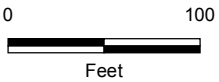
Map
Area

PROJECT AREA

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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Project Features

Site Boundary

Study Area

Study Area

Field Delineated Stream

Photo Type & Direction

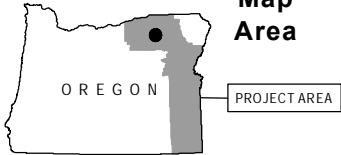
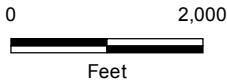
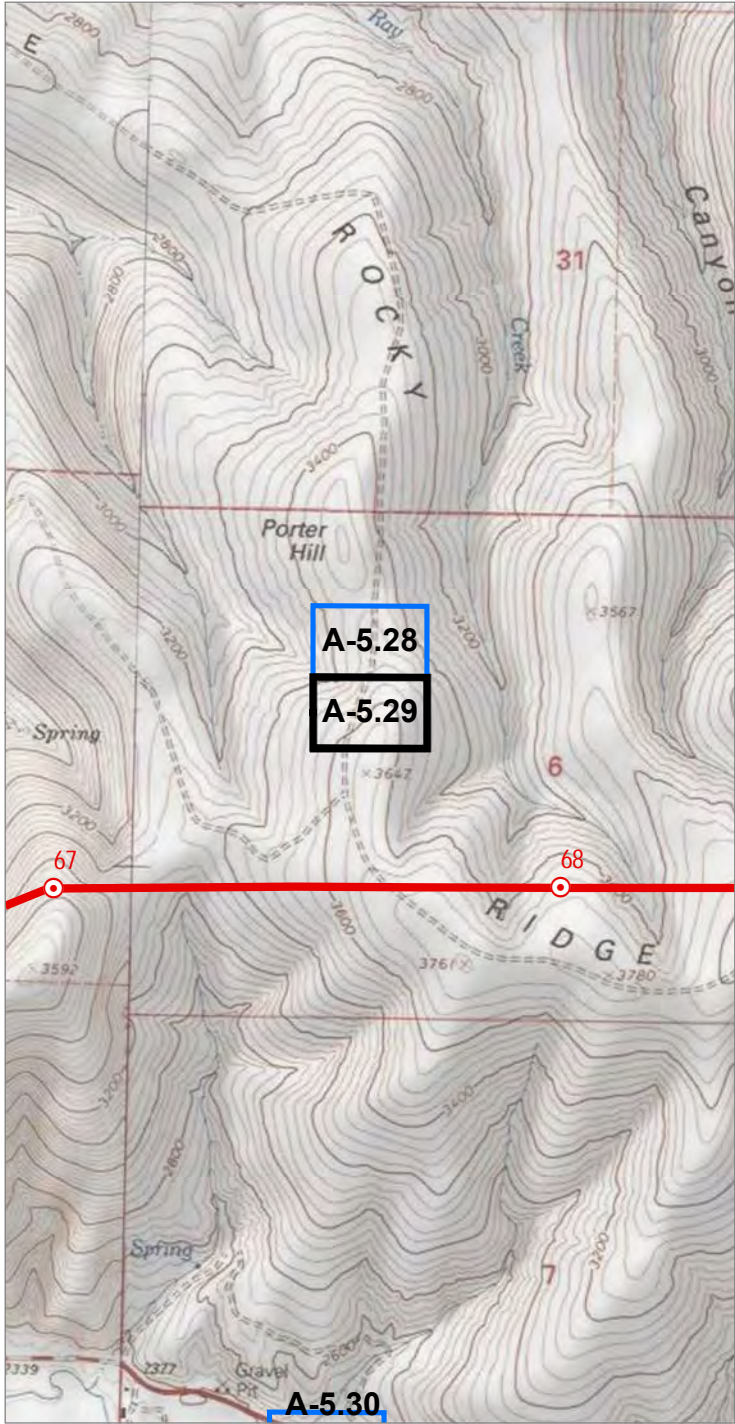
Stream (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.28
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

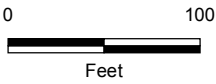
* All delineated wetlands and other waters are considered to extend outside
of the study areas unless otherwise noted. Delineated wetlands and other
waters that are completely contained within the study areas are noted in
the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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Project Features

Site Boundary

Study Area

Study Area

Field Delineated Stream

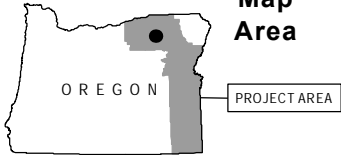
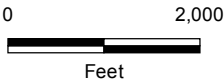
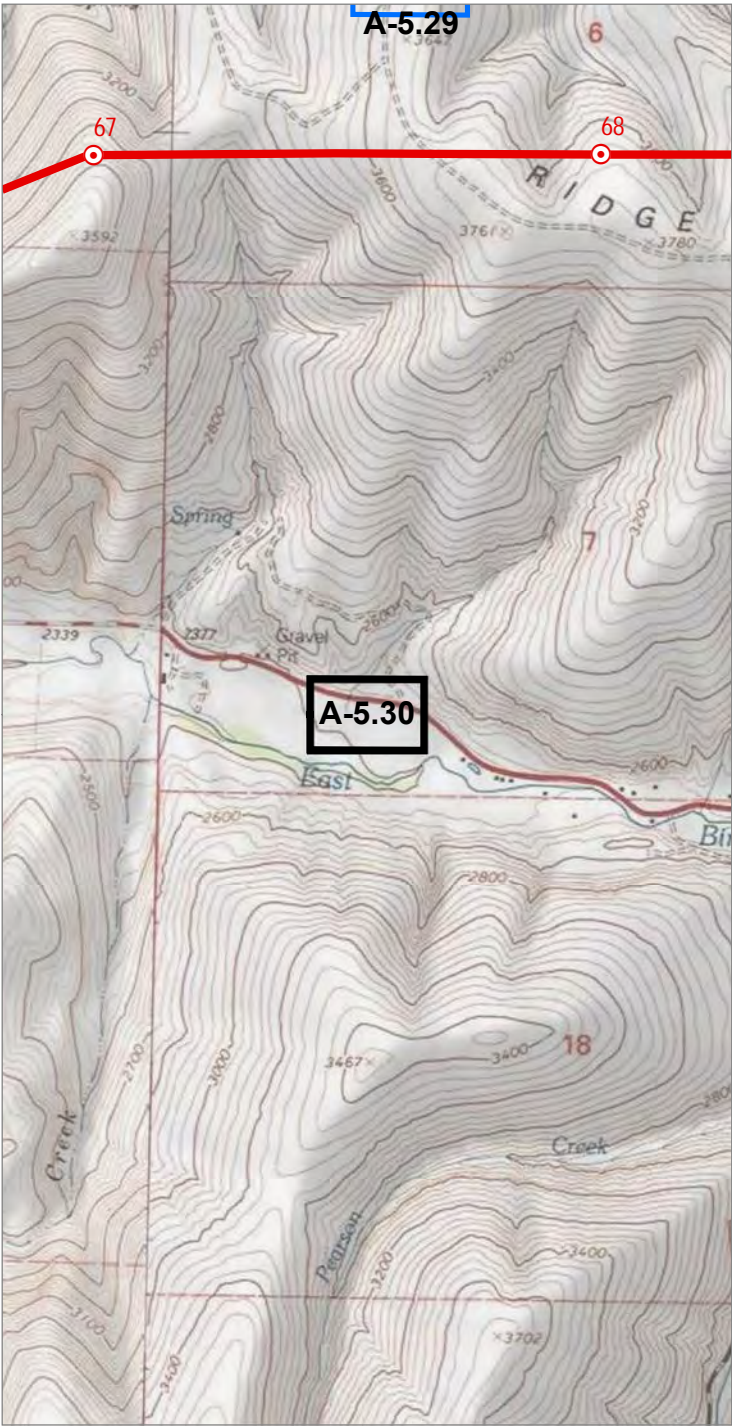
Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.29
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

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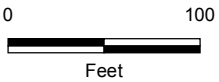
Map
Area

PROJECT AREA

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
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Datum: NAD 1983 2011

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Project Features

Site Boundary

Study Area

Study Area

Field Delineated Stream

Photo Type & Direction

Stream (Photo ID)

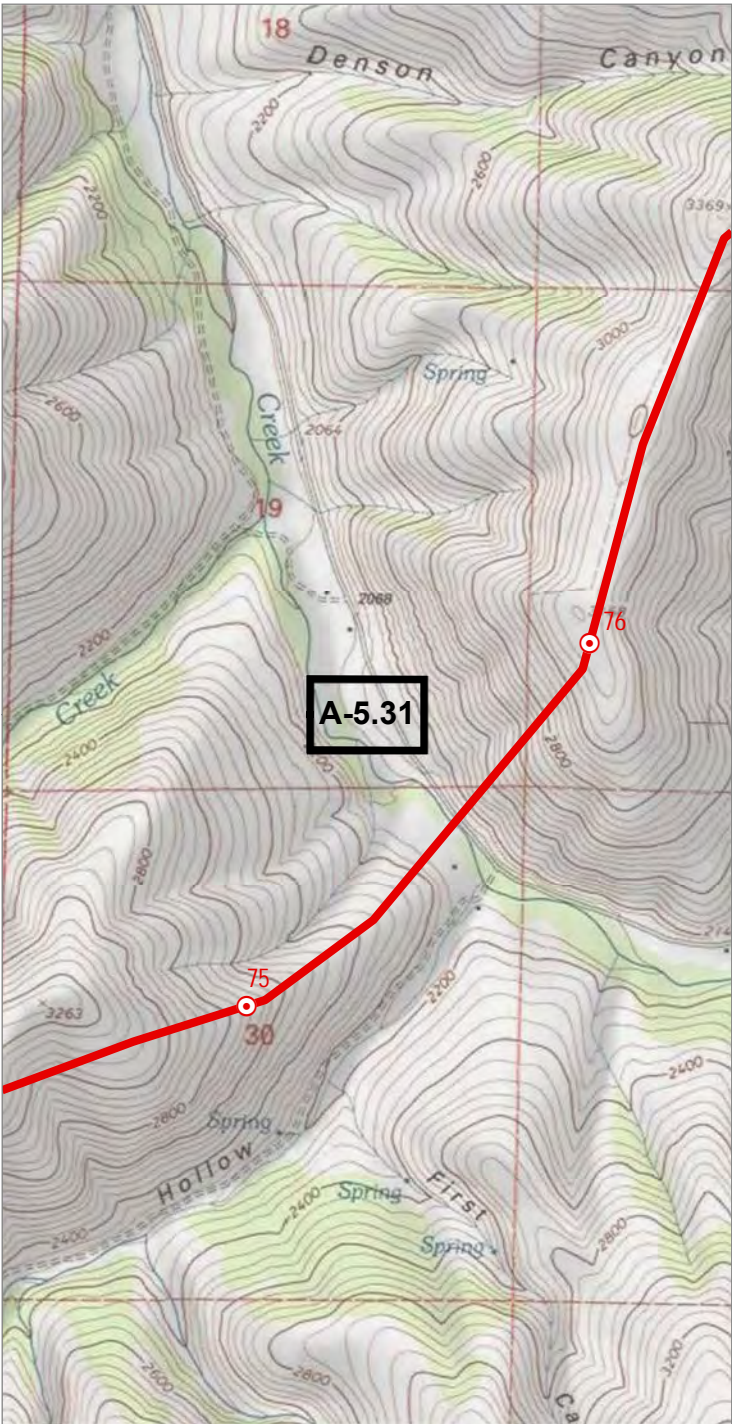
Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.30
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

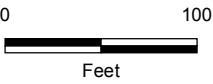
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

Site Boundary

Study Area

Study Area

Photo Type & Direction

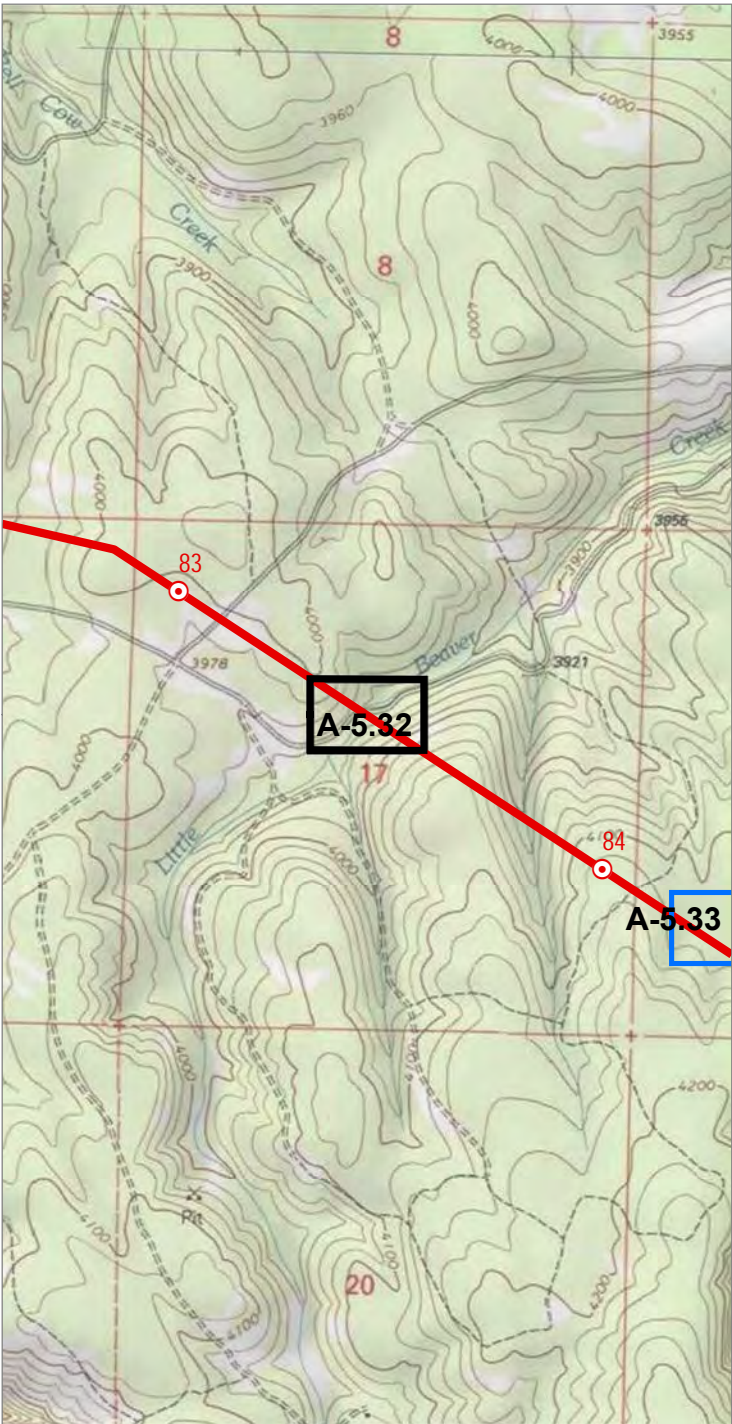
Hydric soil verification
(Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.31
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

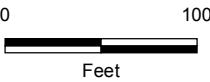
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
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Datum: NAD 1983 2011

Notes:
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2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area
- Field Delineated Stream
- Field Delineated Wetland
- Soil Plot

Photo Type & Direction

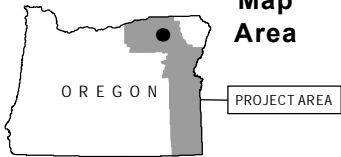
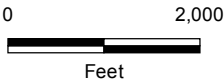
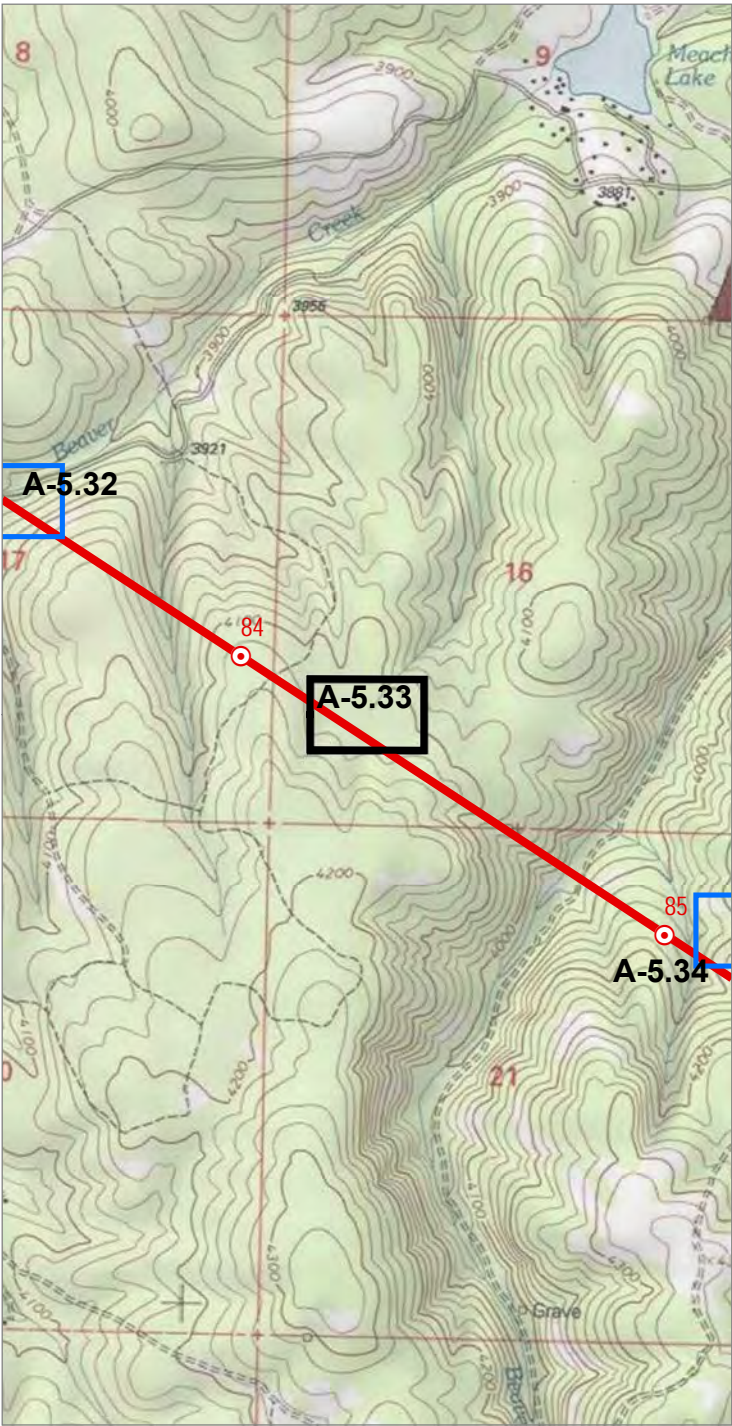
- Stream (Photo ID)
- Wetland (Photo ID)
- Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.32
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

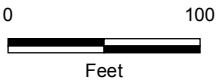
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

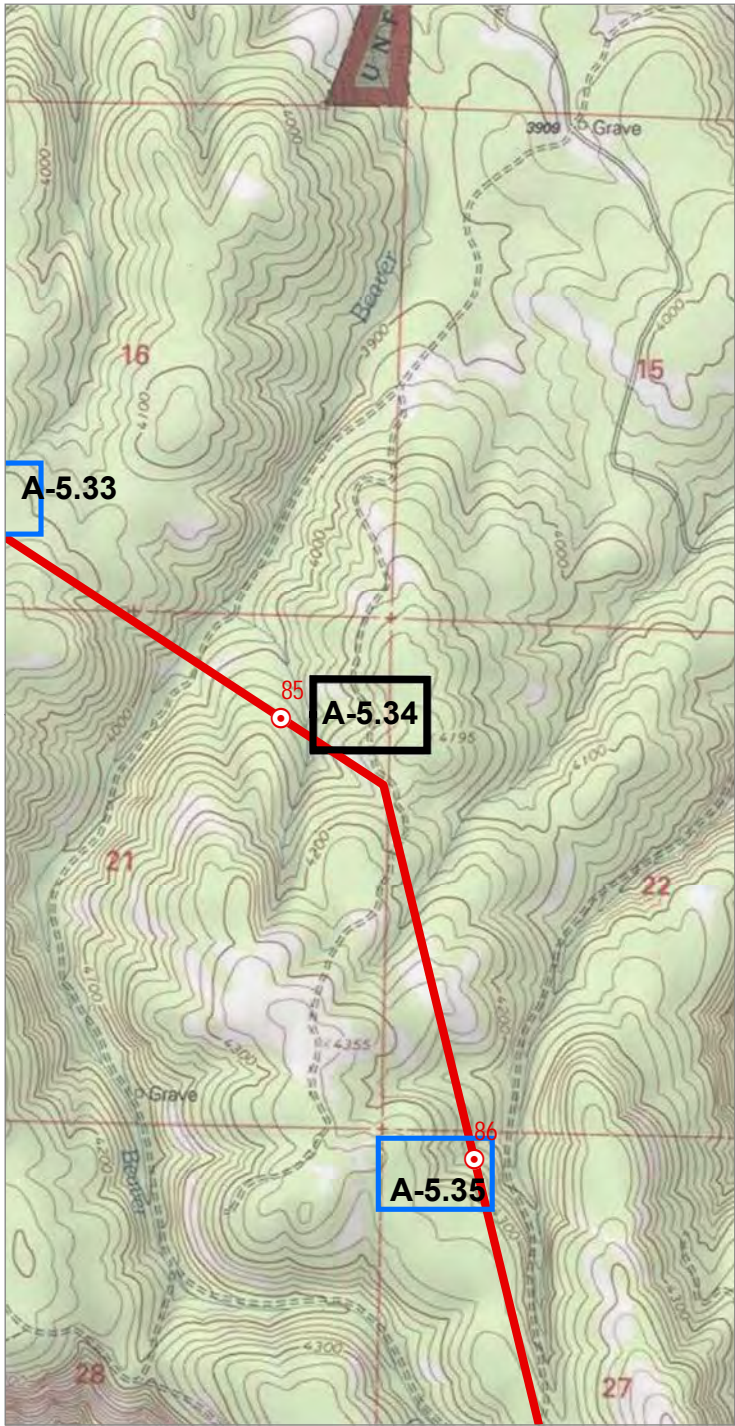
- NHD verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.33
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

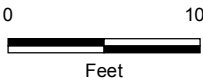
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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Int'l
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

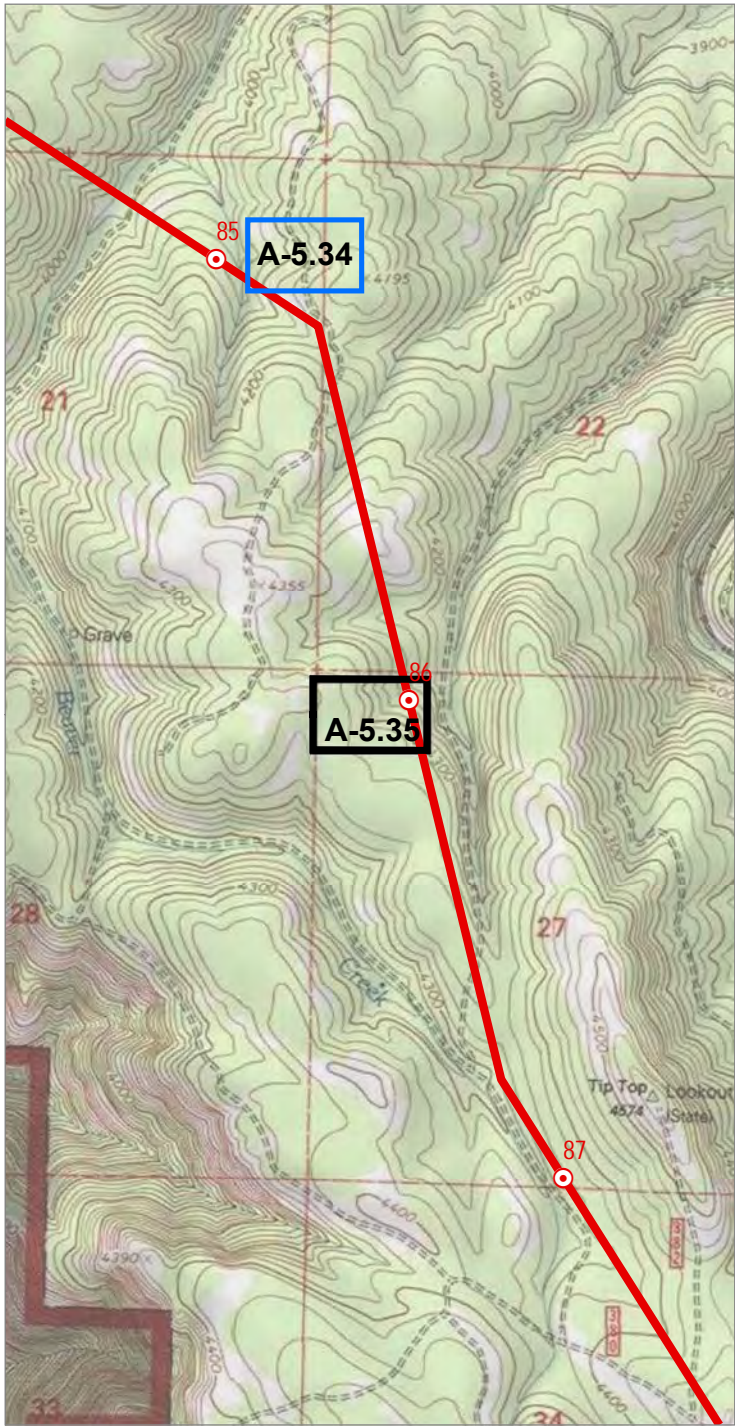
- NHD verification (Photo ID)



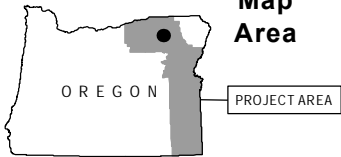
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.34
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

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0 2,000
Feet



Map
Area

0 100
Feet

Project Features

- Site Boundary
- Proposed Route

Mileposts

- Mile
- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

- NHD verification (Photo ID)

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

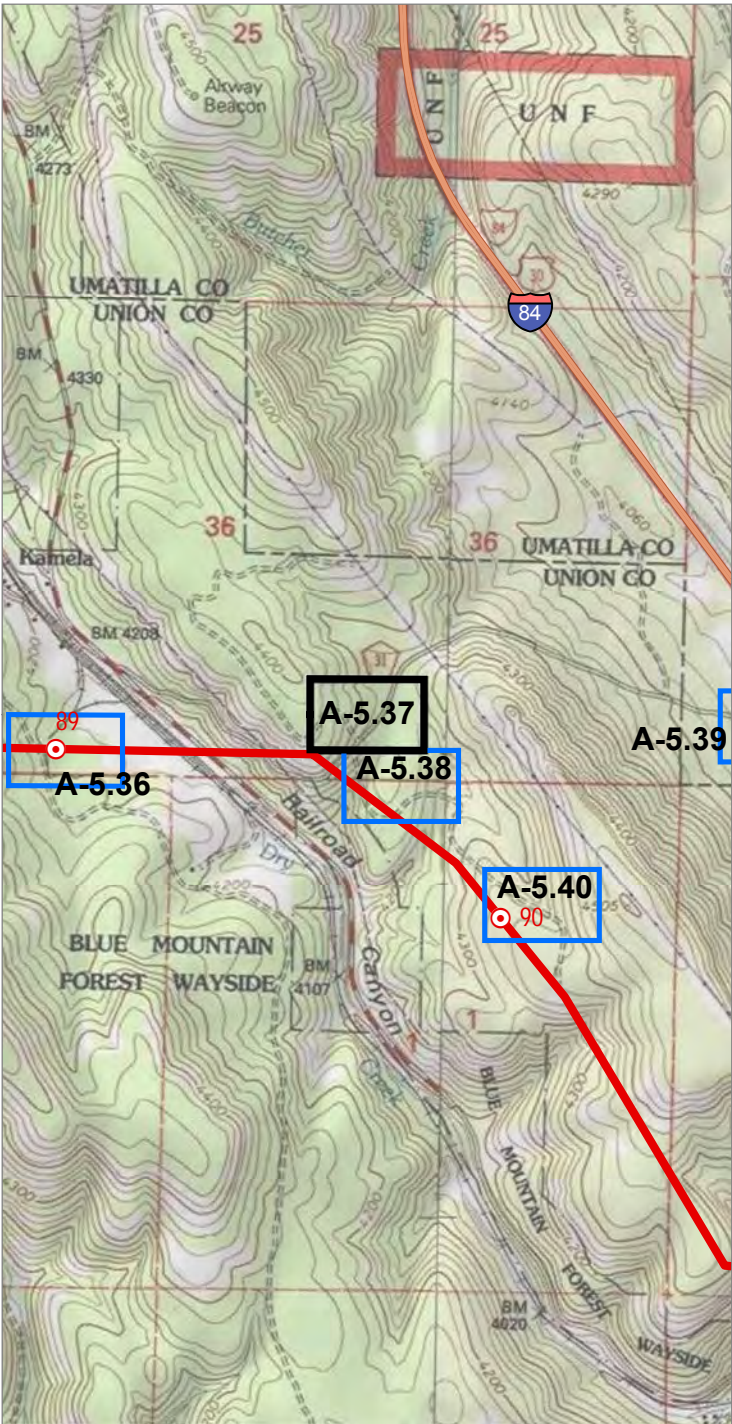
Notes:
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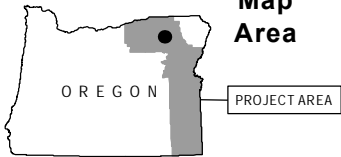
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.35
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

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0 2,000
Feet



Map
Area

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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0 100
Feet

Project Features

Site Boundary

Study Area

Study Area

Photo Type & Direction

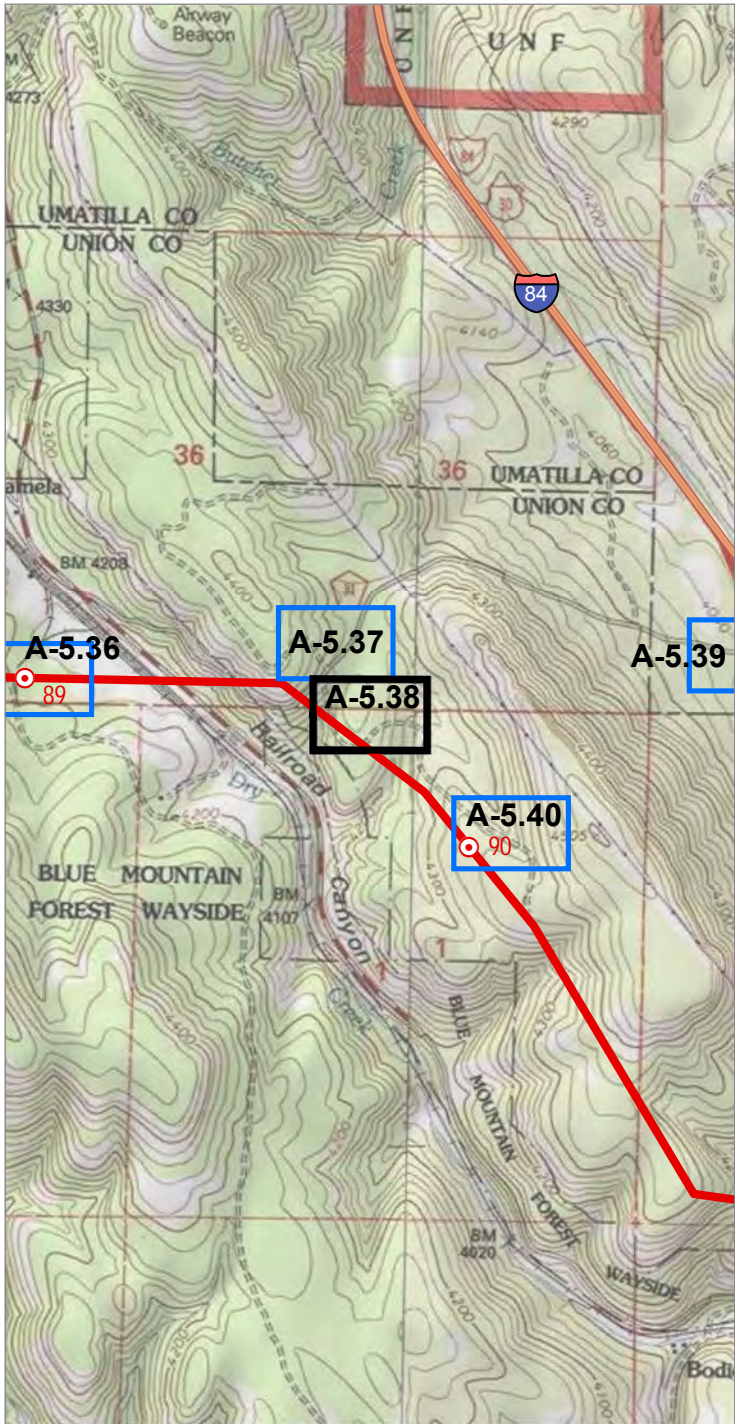
NHD verification (Photo ID)



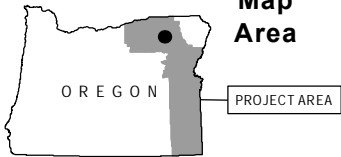
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.37
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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0 2,000
Feet



Map
Area

0 100
Feet

Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

- NHD verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

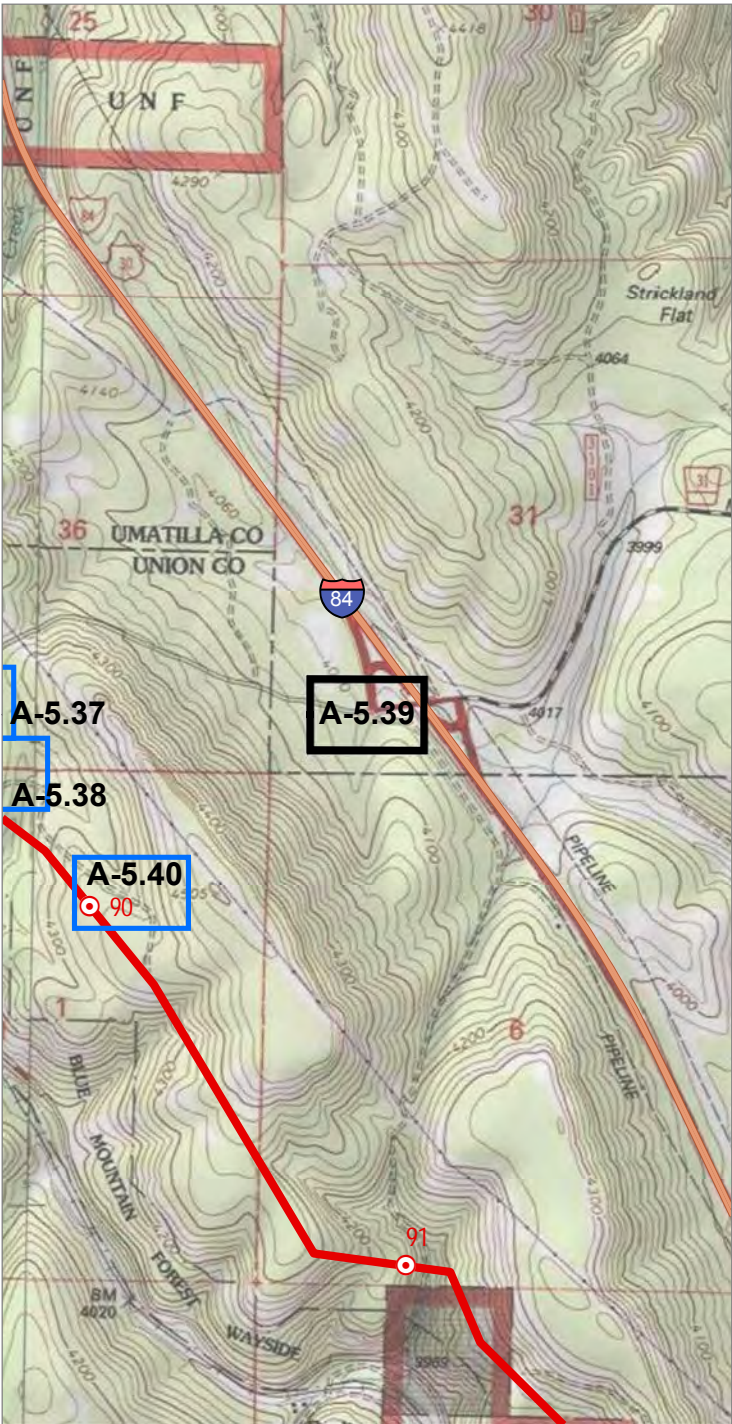
Figure A-5.38
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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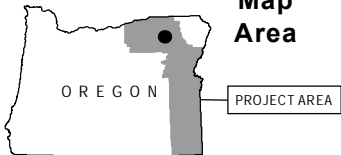
Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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0 2,000
Feet



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

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0 100
Feet

Study Area

- Study Area
- Field Delineated Stream

Photo Type & Direction

- Stream (Photo ID)
- Flow Direction

Other Features

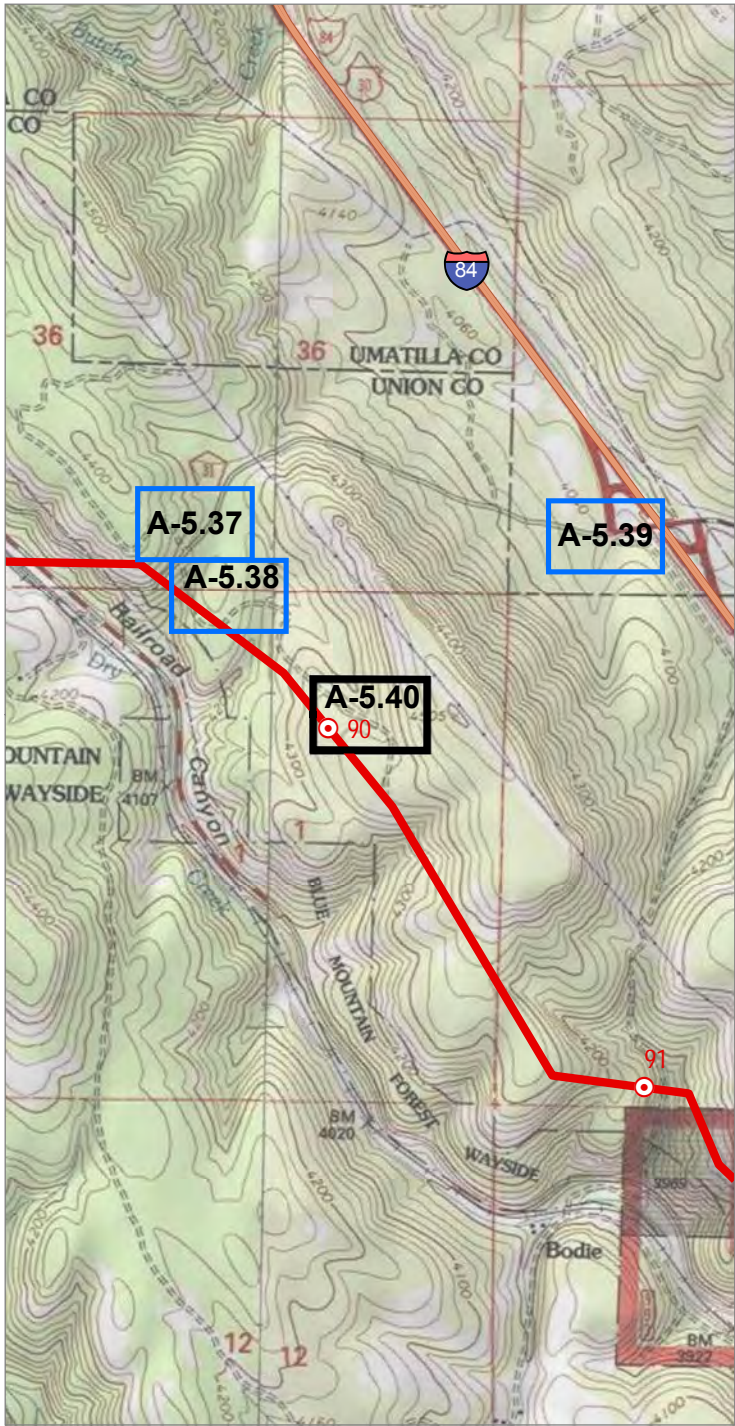
- Interstates or Highways



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.39
Wetland and Other Waters
Delineation Report
Detail Maps
Umatilla County

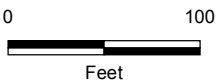
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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
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Project Features

- Site Boundary
- Proposed Route

Mileposts

- Mile

Study Area

- Study Area

Photo Type & Direction

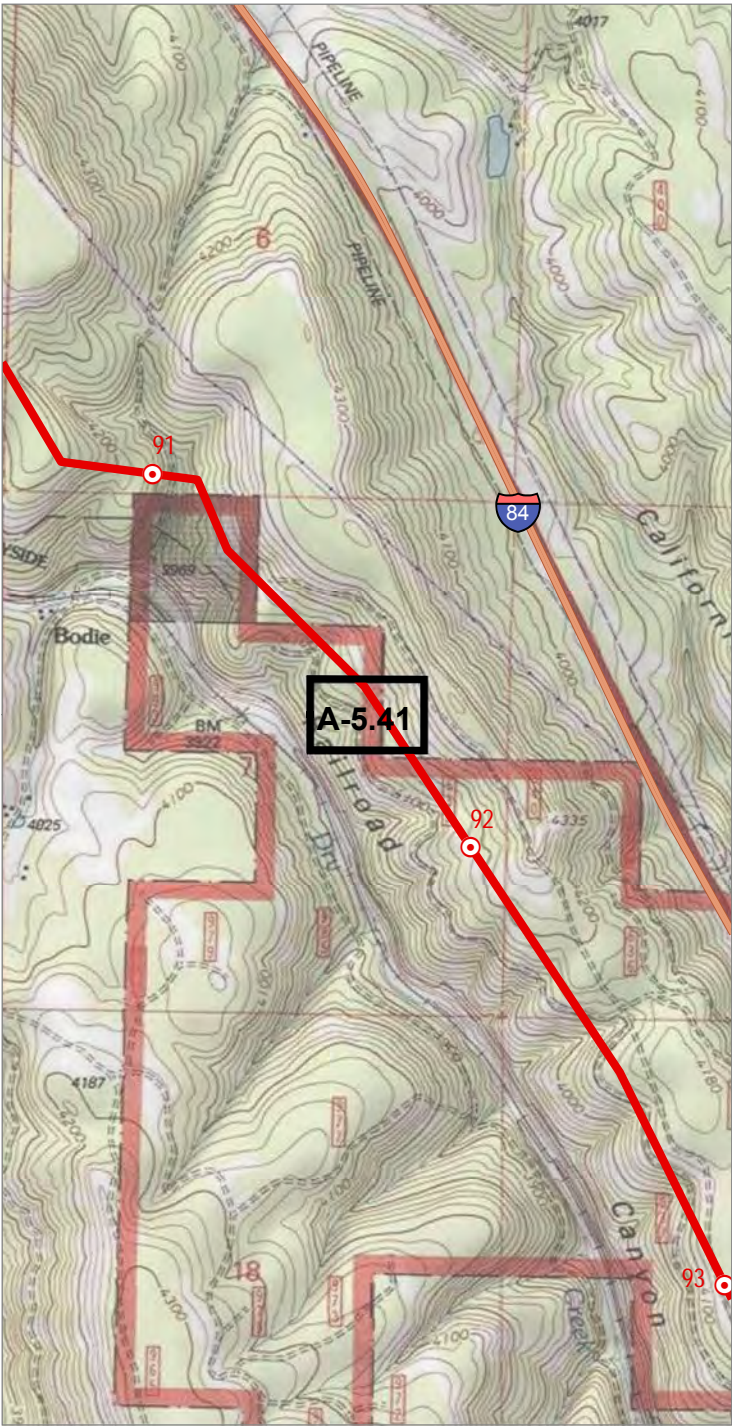
- NHD verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.40
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

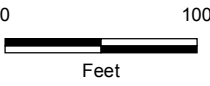
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Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

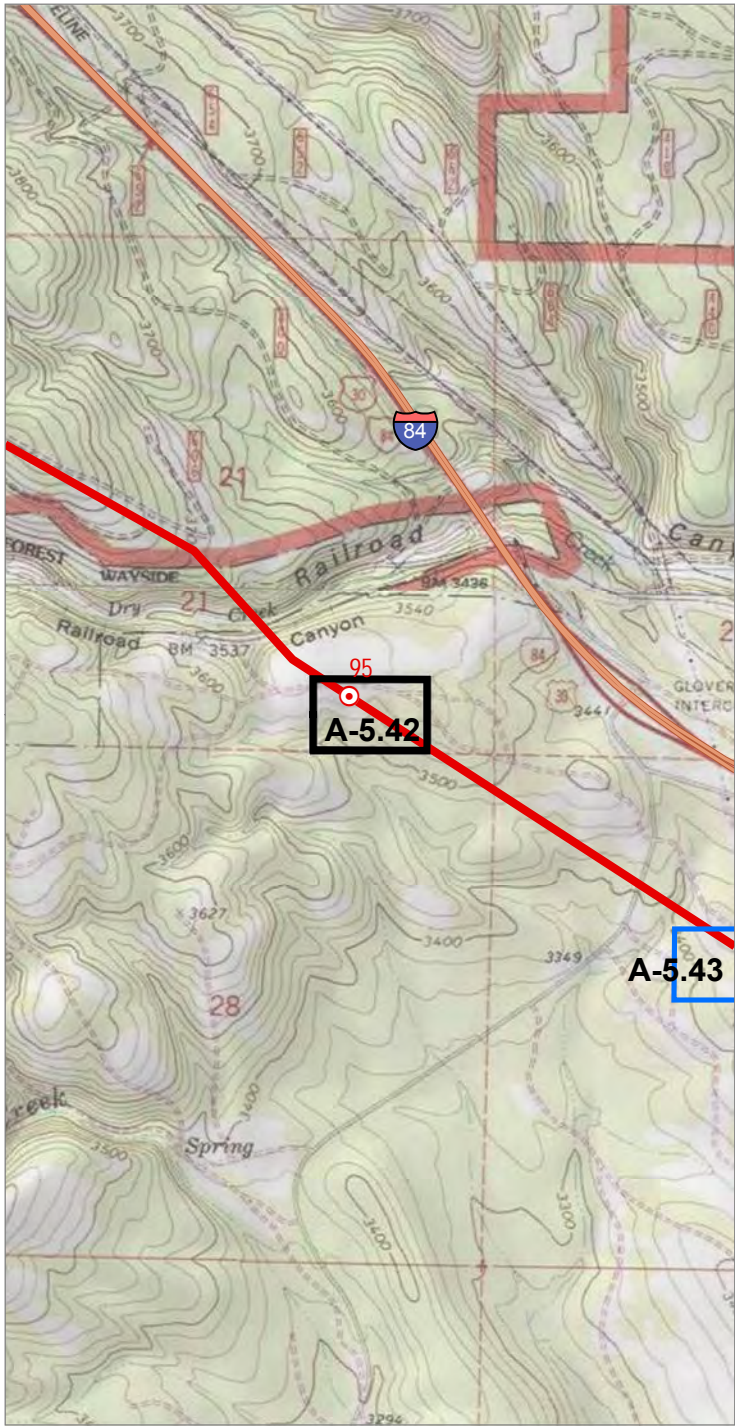
- NHD verification (Photo ID)



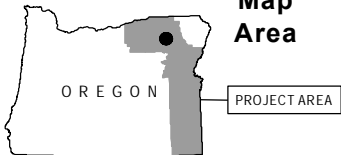
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.41
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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0 2,000
Feet



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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0 100
Feet

Project Features

- Site Boundary
- Proposed Route

Mileposts

- Mile
- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

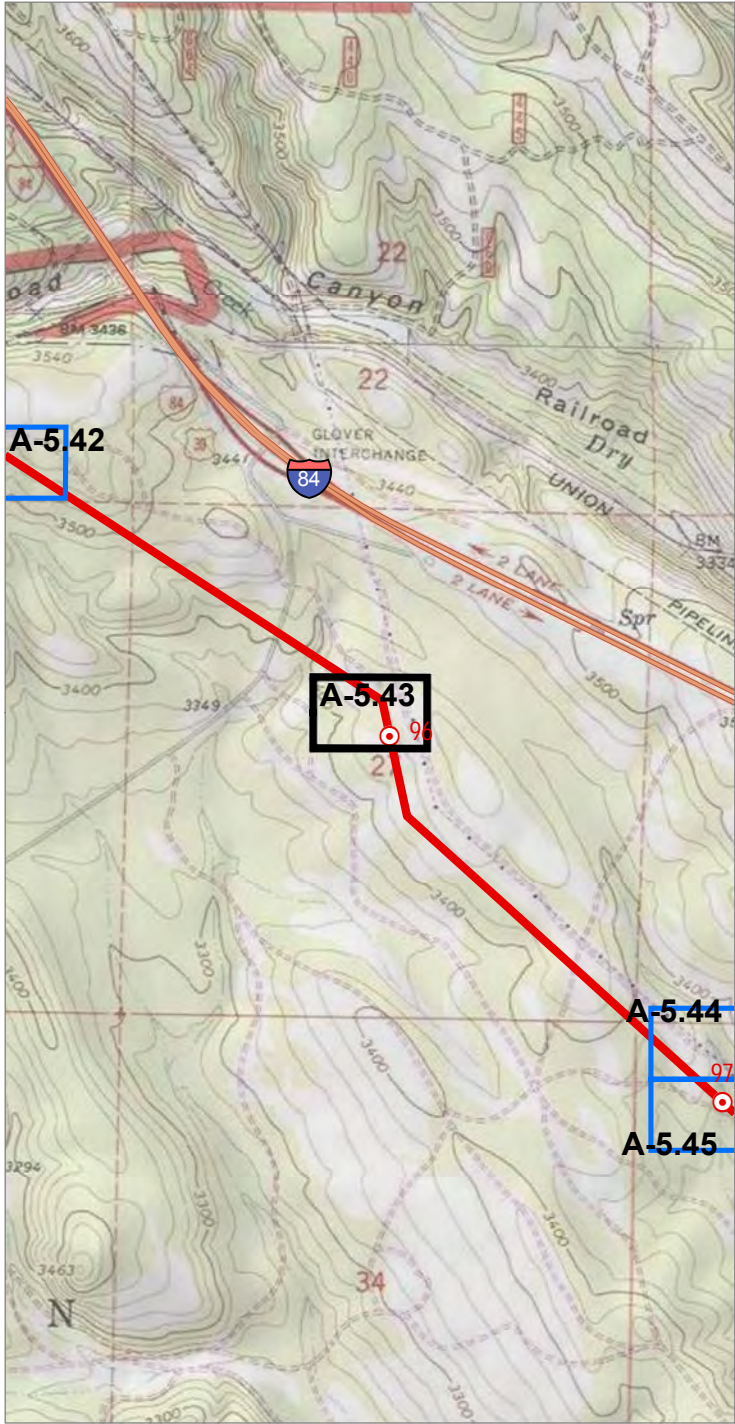
- NHD verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.42
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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0 2,000
Feet

Map Area

OREGON

PROJECT AREA

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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0 100
Feet

Project Features

- Site Boundary
- Proposed Route

Mileposts

- Mile
- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

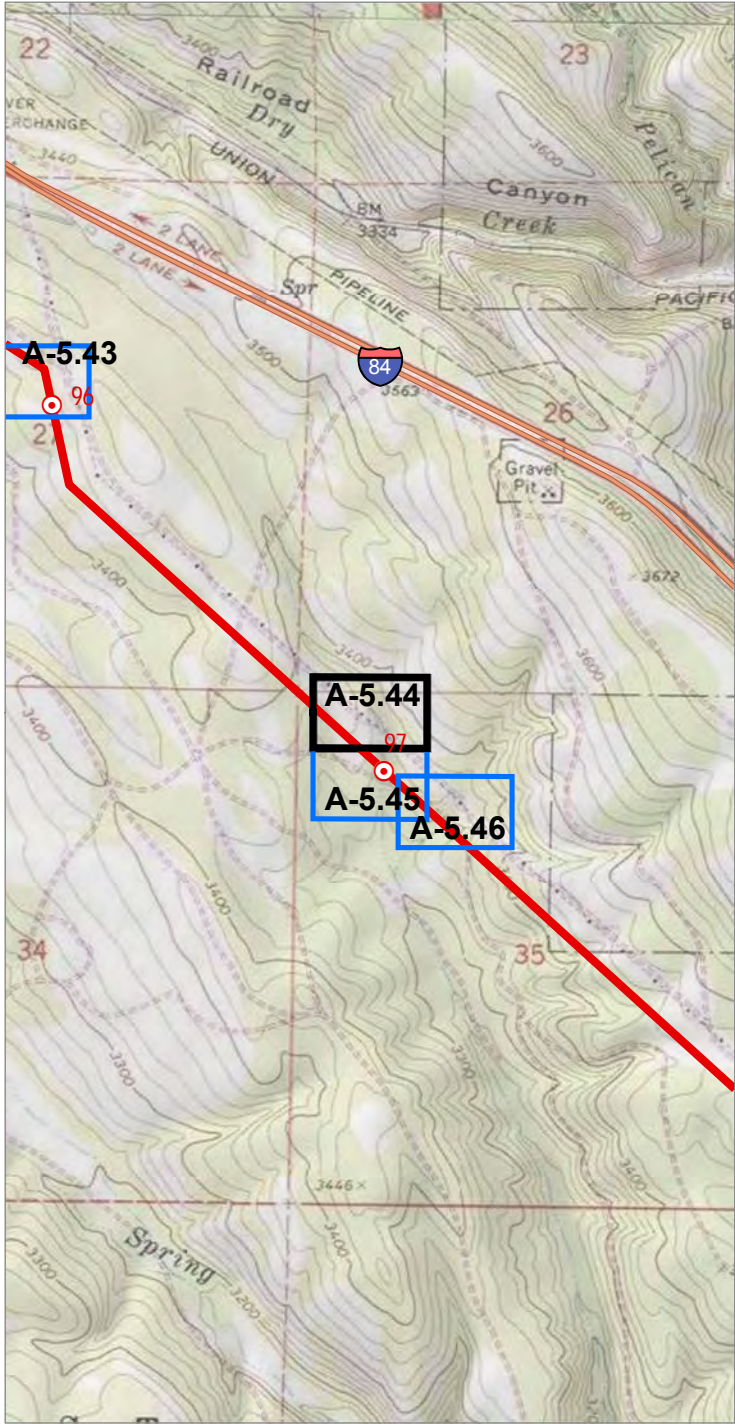
- NHD verification (Photo ID)

IDAHO POWER
An iDACORP Company

Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.43
**Wetland and Other Waters
Delineation Report
Detail Maps
Union County**

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

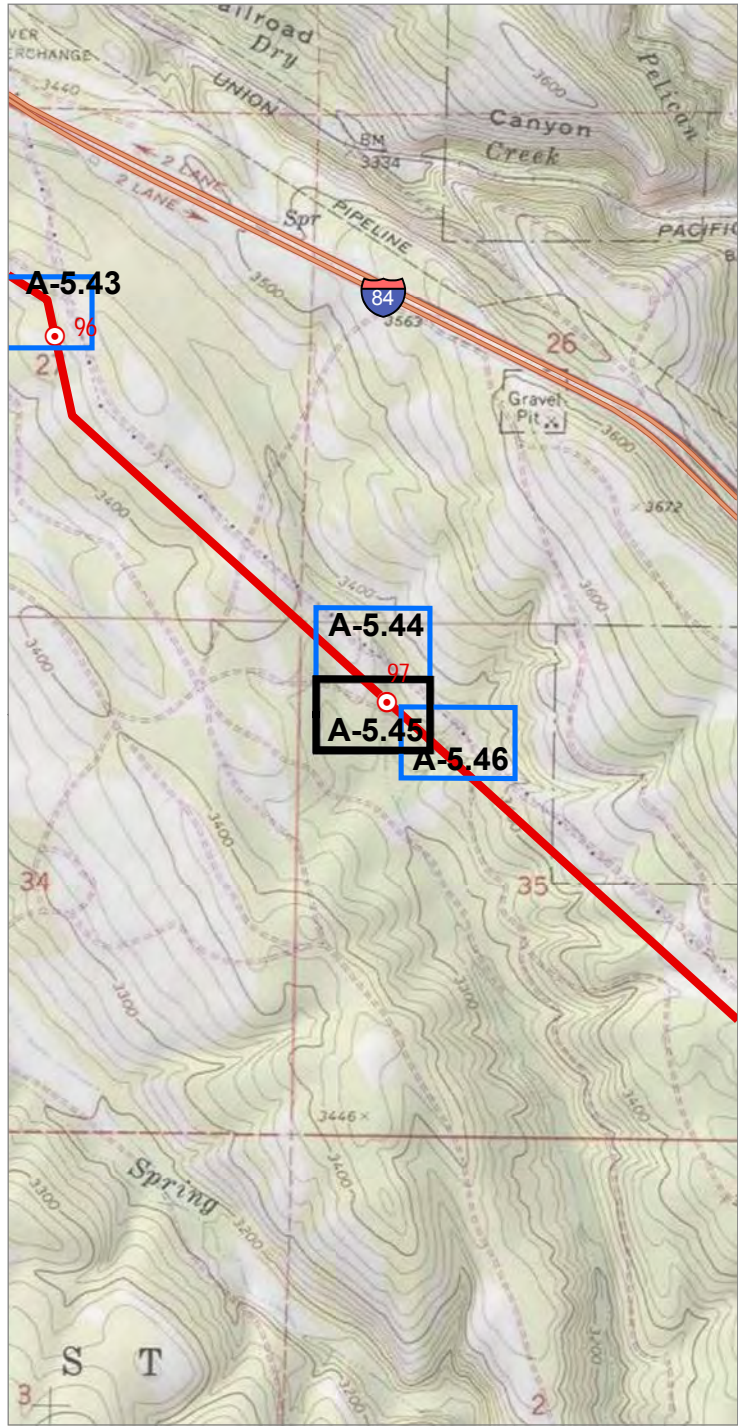
Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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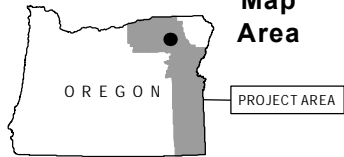
- Project Features**
- Site Boundary
 - Proposed Route
- Mileposts**
- Tenth-mile
- Study Area**
- Study Area
 - Field Delineated Stream

- Photo Type & Direction**
- Stream (Photo ID)
 - Flow Direction

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0 2,000
Feet



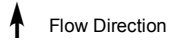
Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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0 100
Feet



Project Features

- Site Boundary
- Proposed Route

Mileposts

- Mile
- Tenth-mile
- Culvert

Study Area

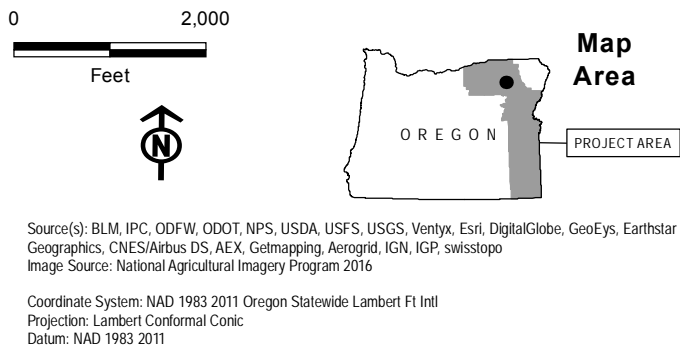
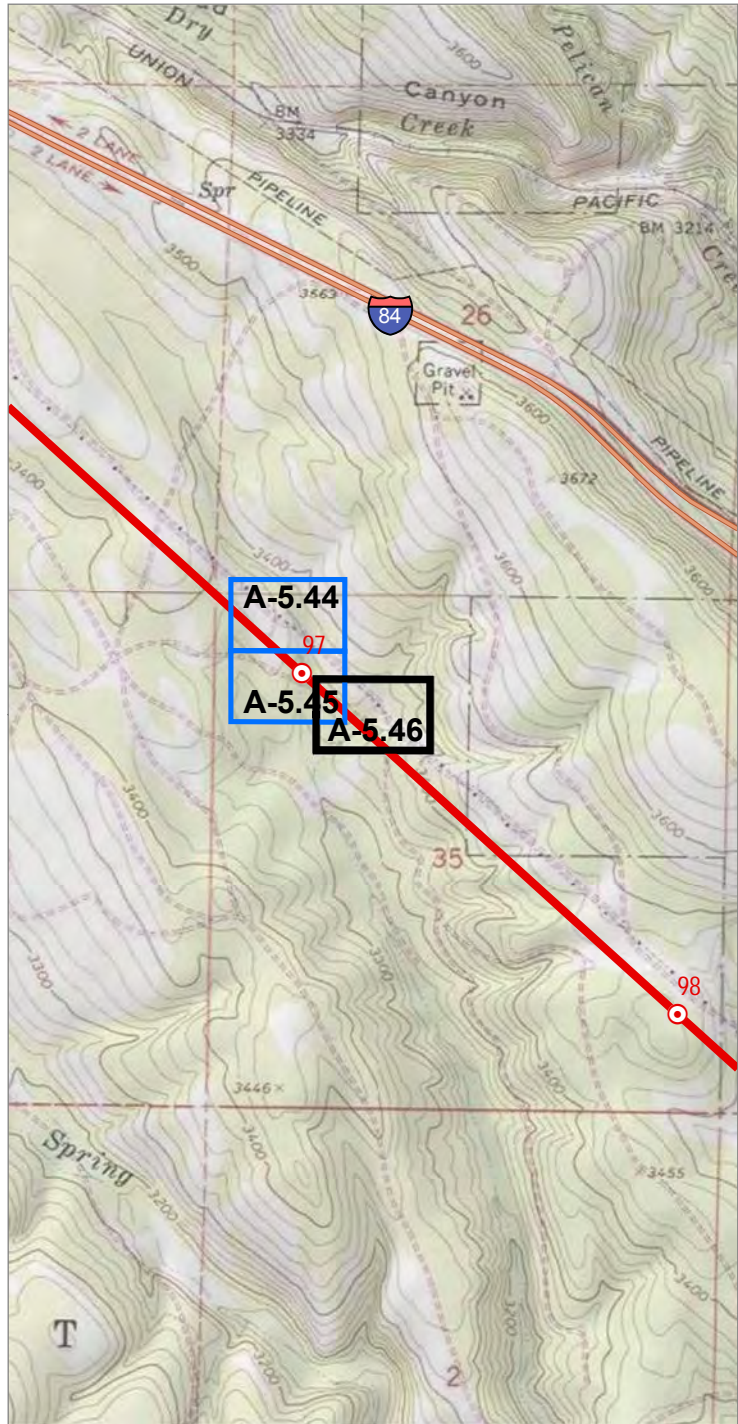
- Study Area
- Field Delineated Stream



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

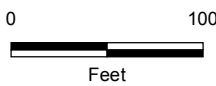
Figure A-5.45 Wetland and Other Waters Delineation Report Detail Maps Union County

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- Project Features**
- Site Boundary
 - Proposed Route
- Mileposts**
- Tenth-mile
- Study Area**
- Study Area
 - Field Delineated Stream

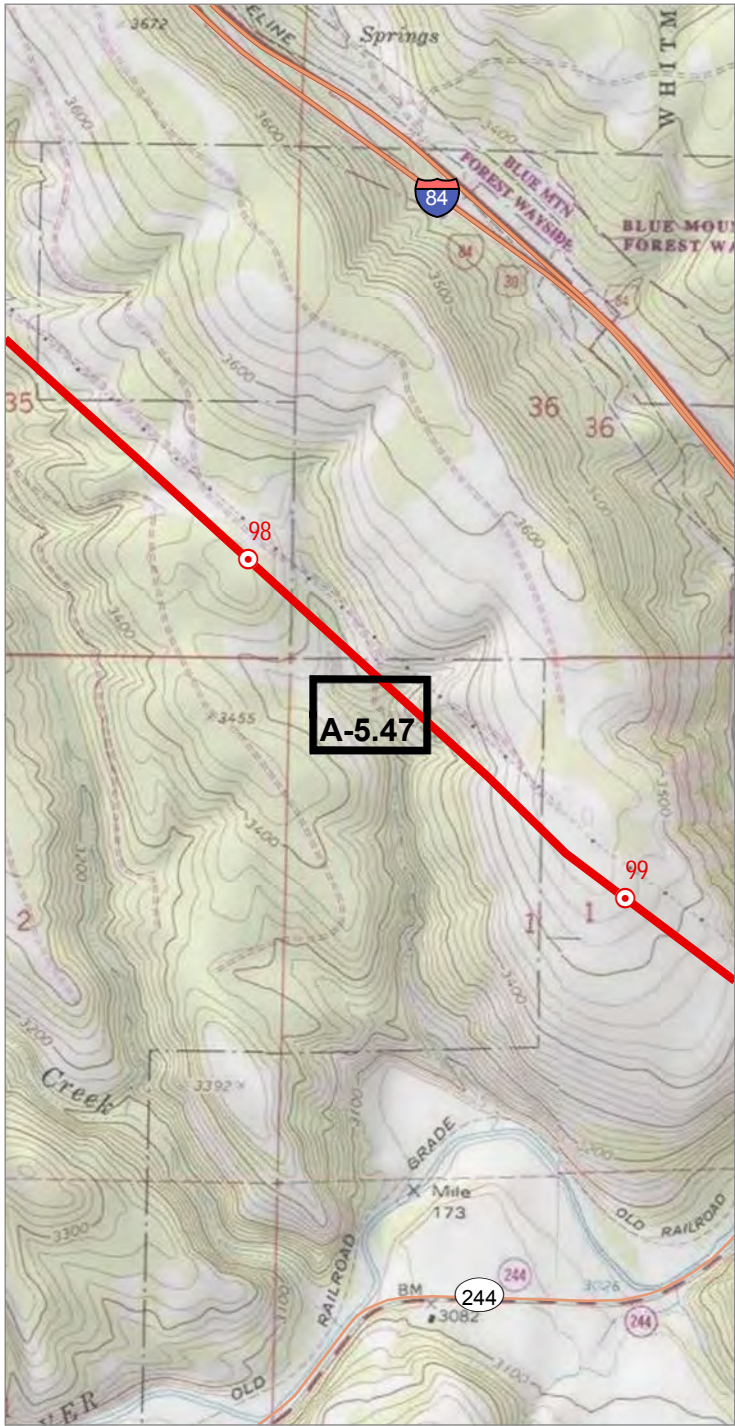
- Photo Type & Direction**
- Stream (Photo ID)
 - Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.46
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

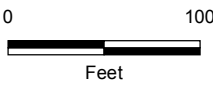
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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area
- Field Delineated Stream

Photo Type & Direction

- Stream (Photo ID)

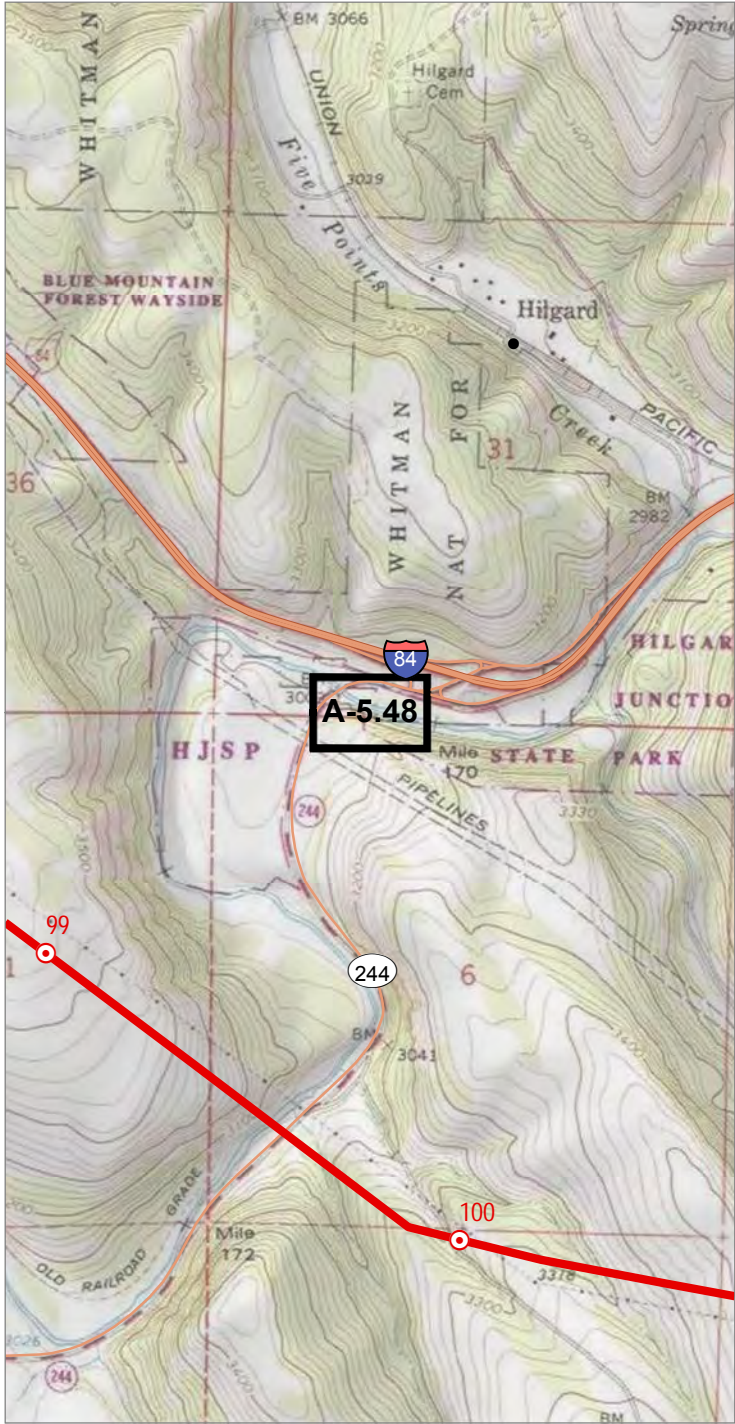
- Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.47
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

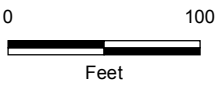
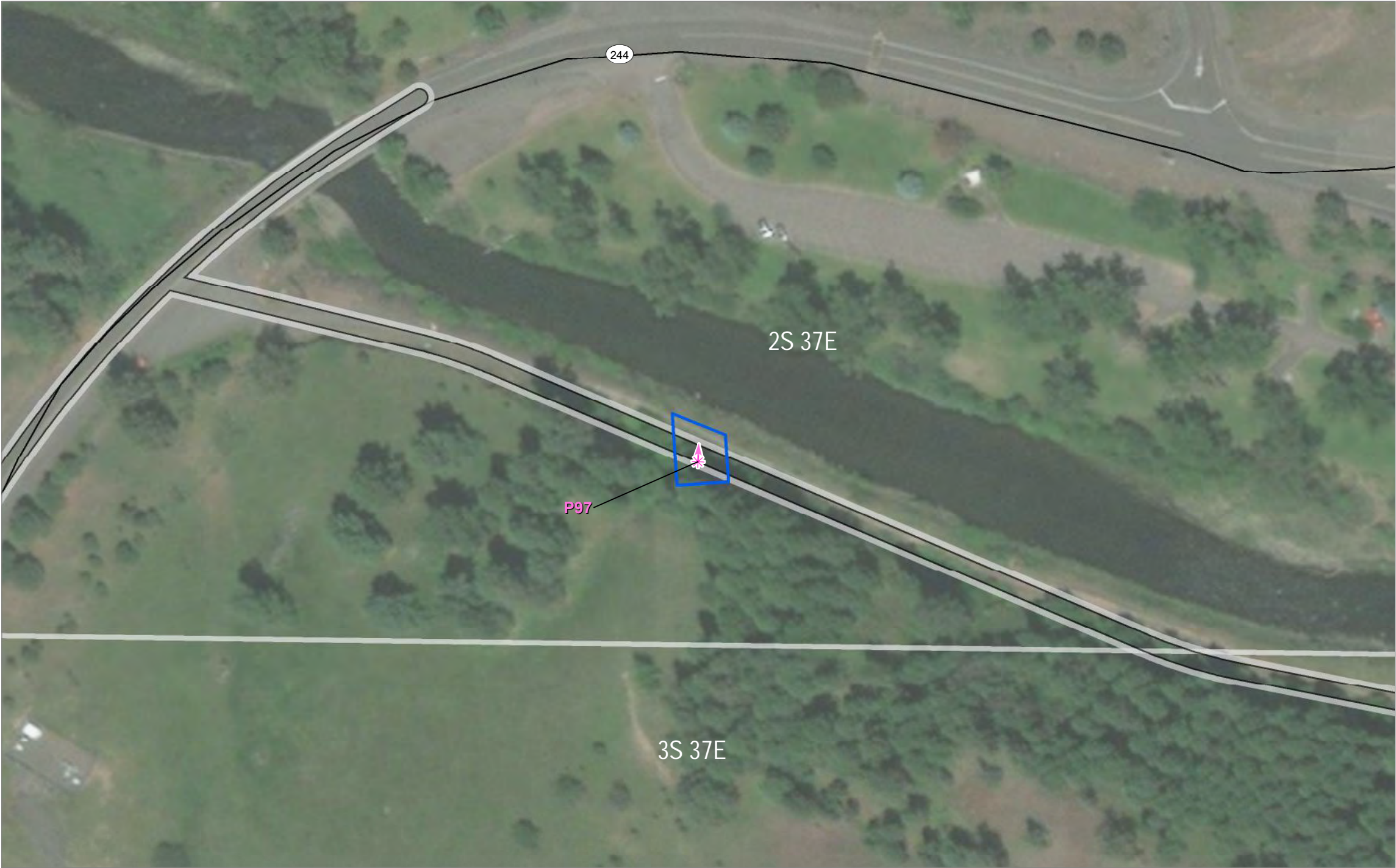
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Study Area

Study Area

Photo Type & Direction

NHD verification (Photo ID)

Other Features

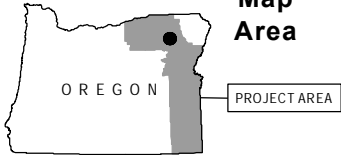
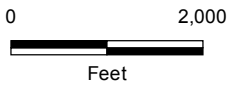
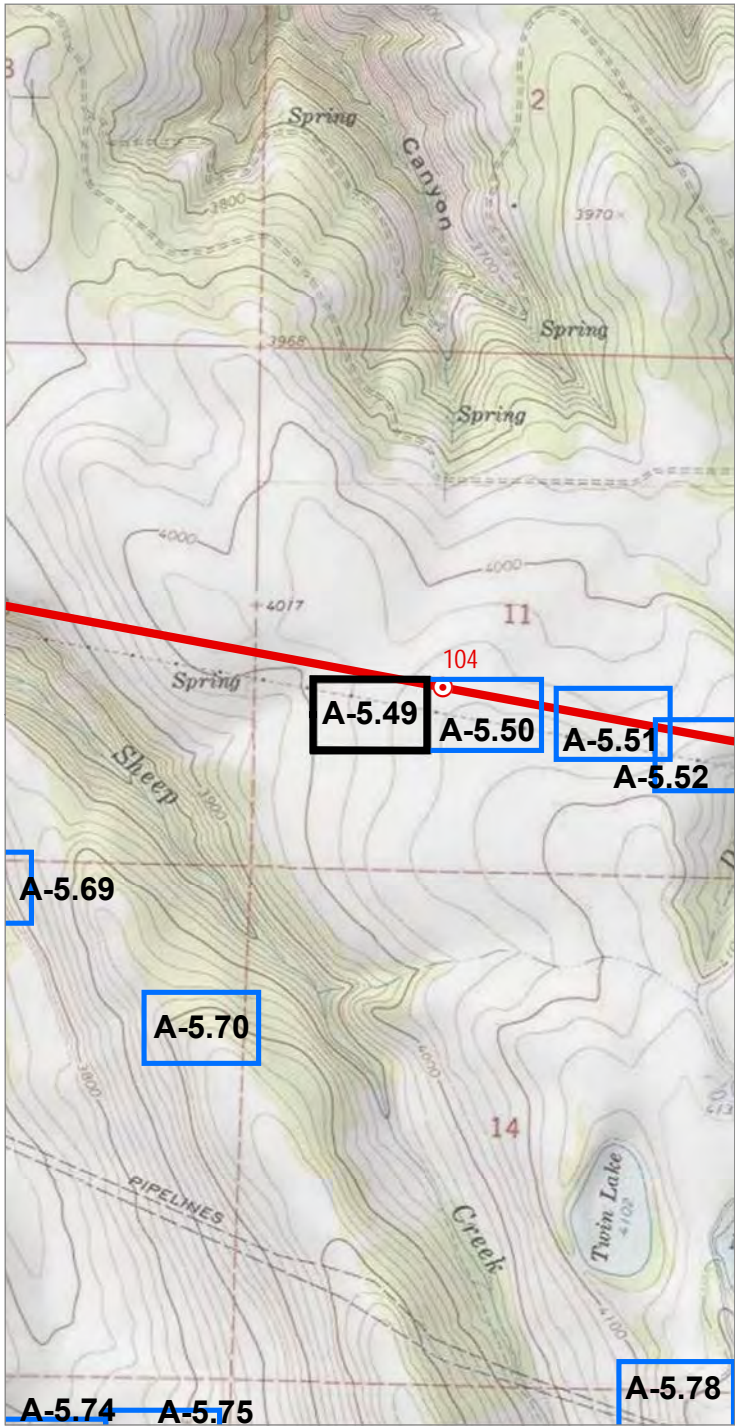
Other Major Roads



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.48
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

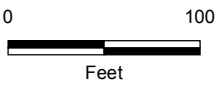
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Project Features

- Site Boundary
- Proposed Route

Study Area

- Study Area
- Field Delineated Wetland
- Soil Plot

Photo Type & Direction

- Wetland (Photo ID)

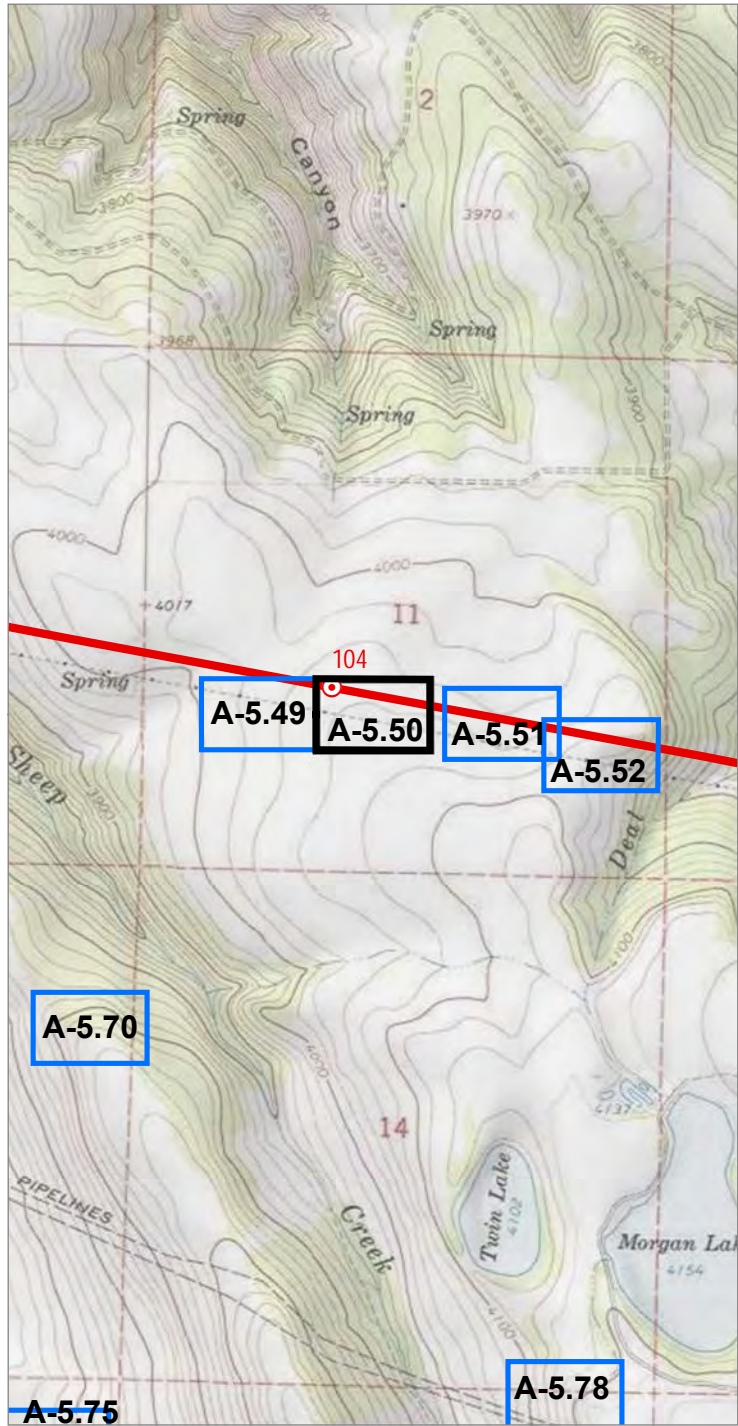


Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.49 Wetland and Other Waters Delineation Report Detail Maps Union County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.

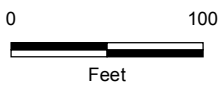
UN_MC_W_018 is completely contained within the Study Area



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Project Features

- Site Boundary
- Proposed Route

Mileposts

- Mile
- Tenth-mile

Study Area

- Study Area
- Field Delineated Wetland
- Soil Plot

Photo Type & Direction

- Hydric soil verification (Photo ID)

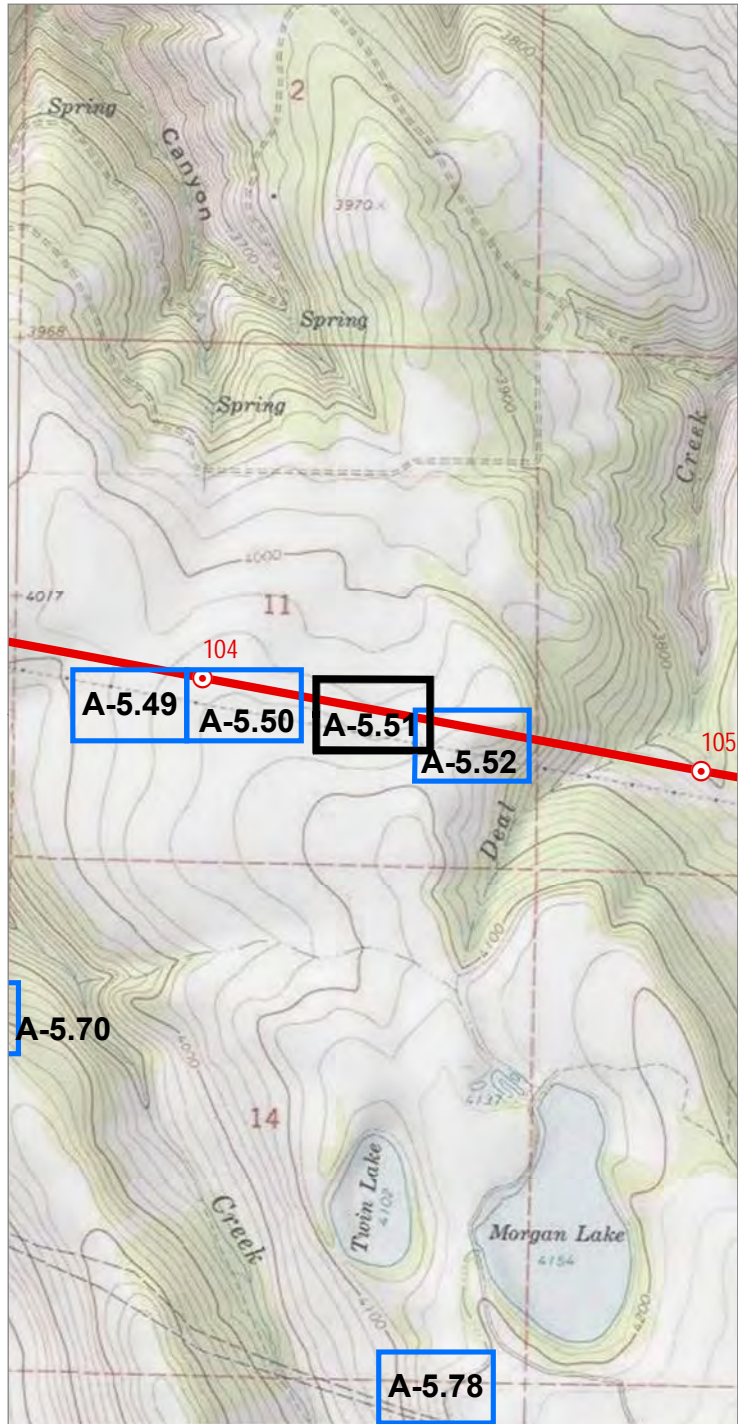
UN_MC_W_018 is completely contained within the Study Area



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.50 Wetland and Other Waters Delineation Report Detail Maps Union County

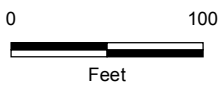
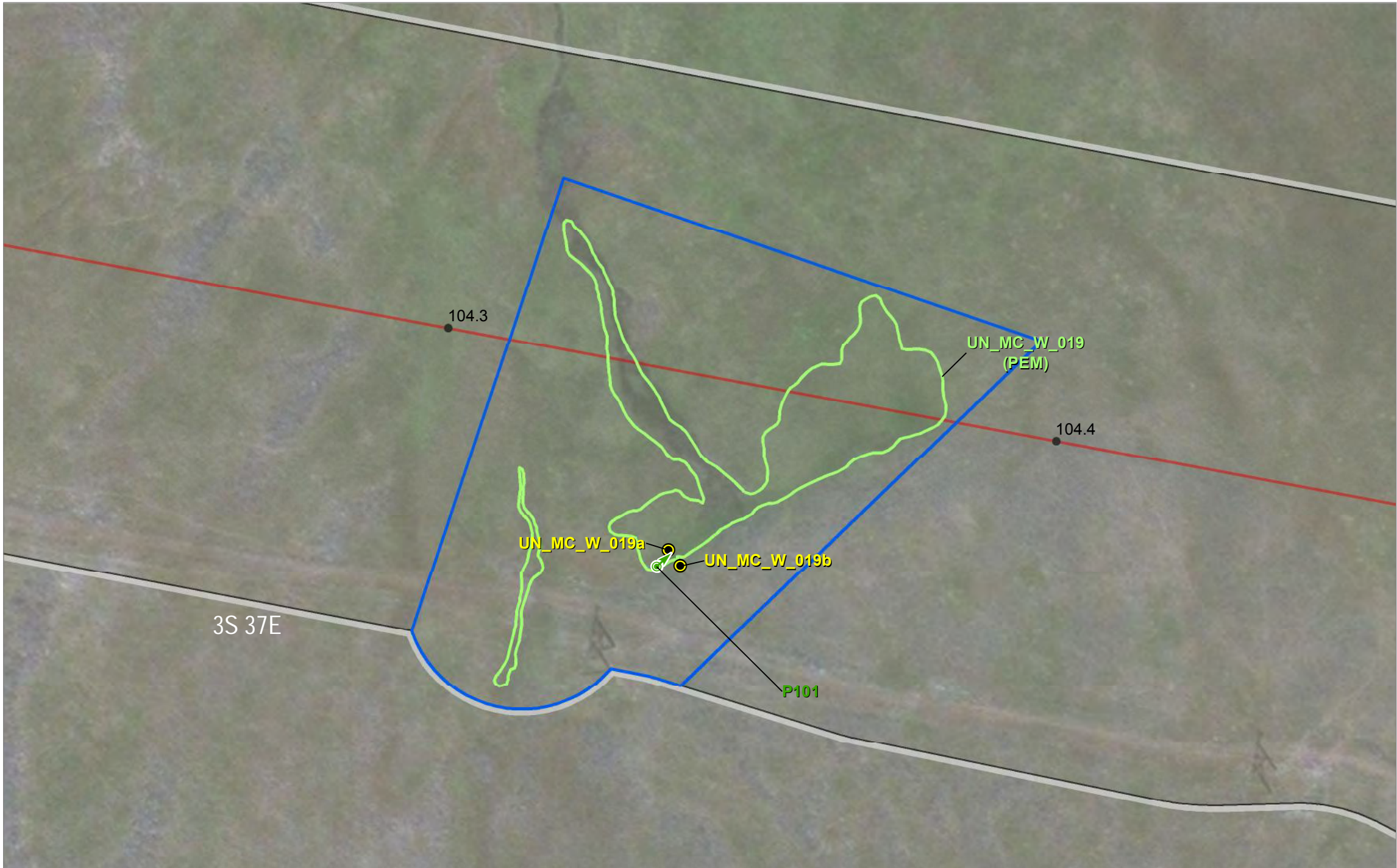
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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area
- Field Delineated Wetland
- Soil Plot

Photo Type & Direction

- Wetland (Photo ID)

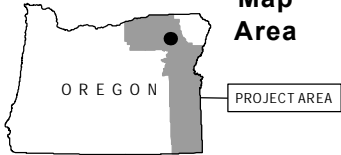
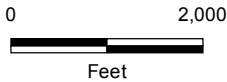
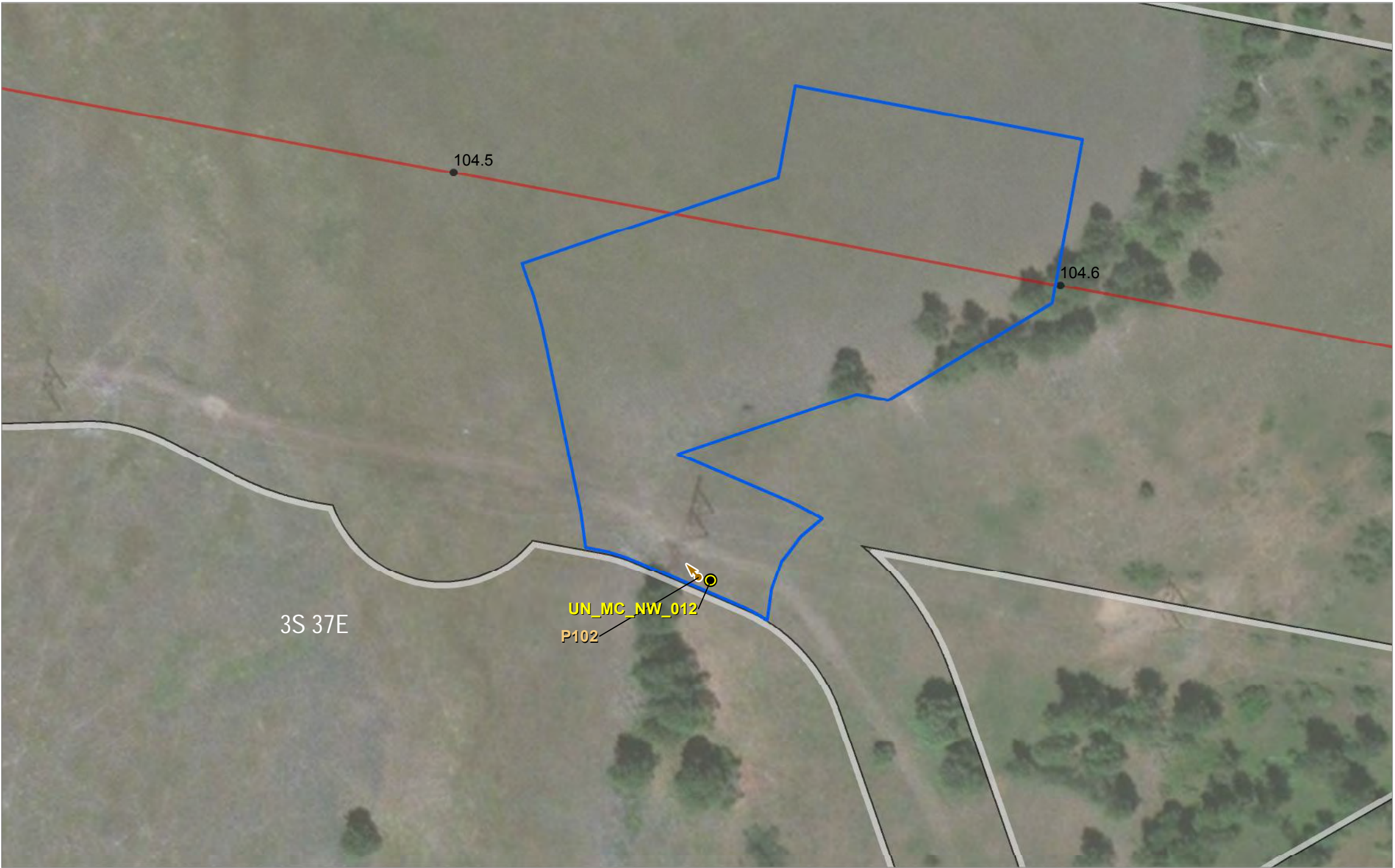
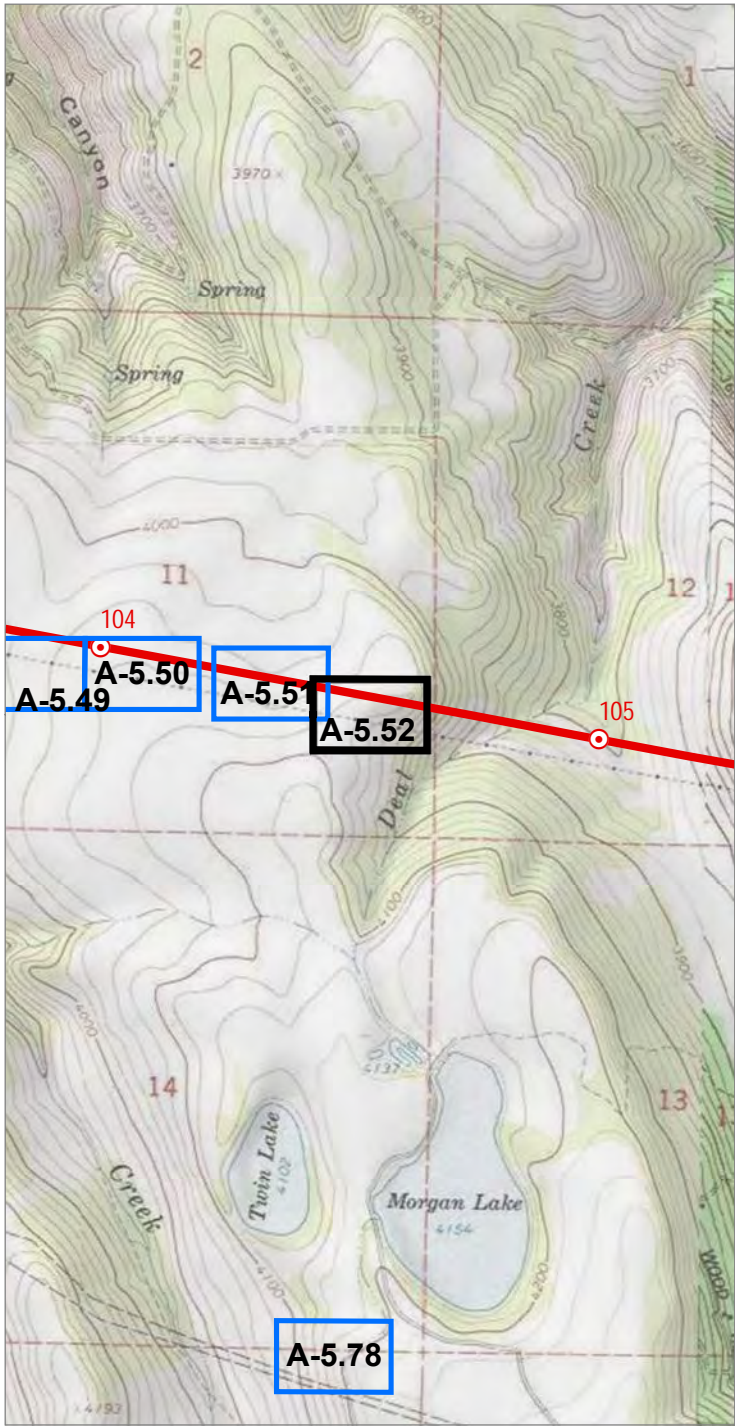
UN_MC_W_019 is completely contained within the Study Area



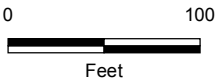
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.51
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Map
Area



Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area
- Soil Plot

Photo Type & Direction

- Hydric soil verification (Photo ID)

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

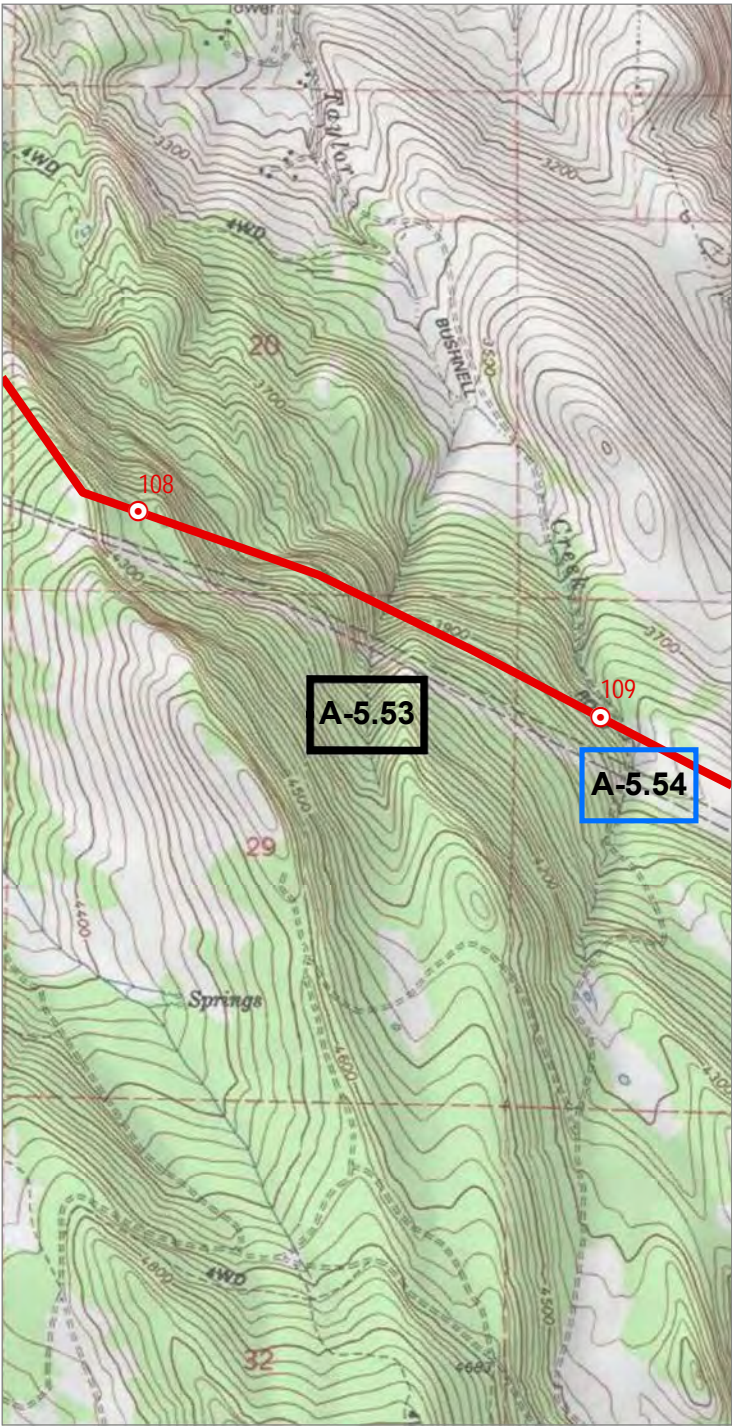
Notes:
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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.52
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

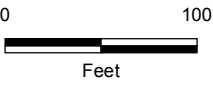
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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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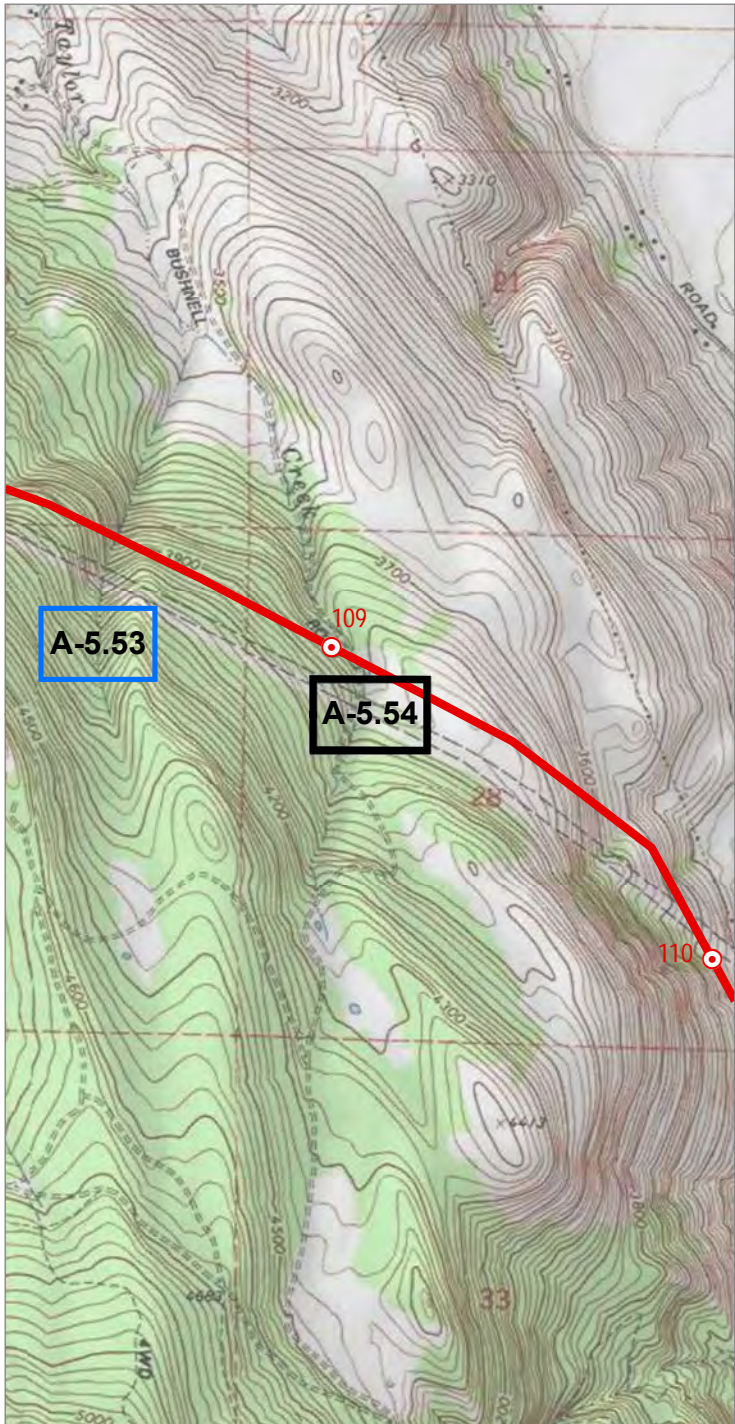
- Project Features**
- Site Boundary
- Study Area**
- Study Area
- Photo Type & Direction**
- NHD verification (Photo ID)



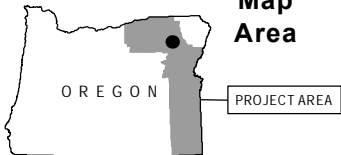
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.53
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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0 2,000
Feet



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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0 100
Feet

Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area

Photo Type & Direction

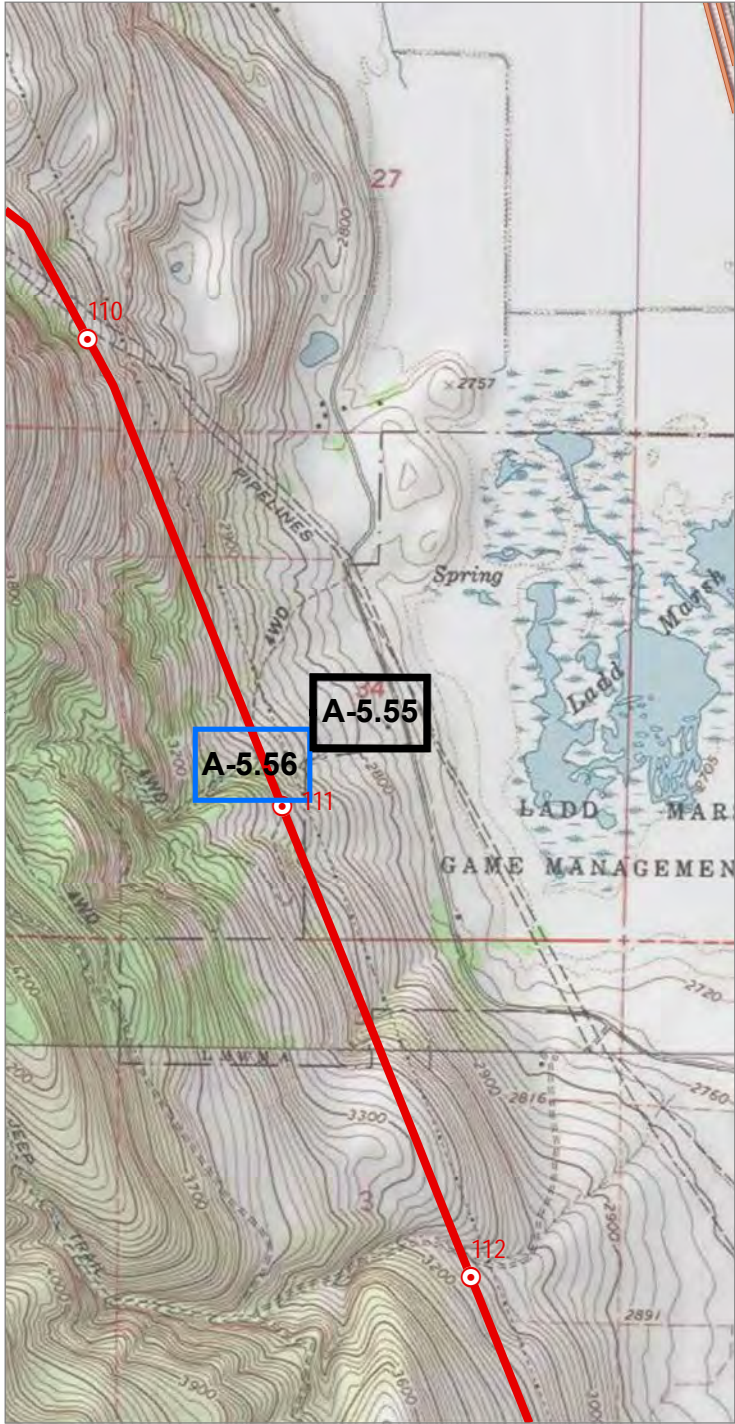
- NHD verification (Photo ID)



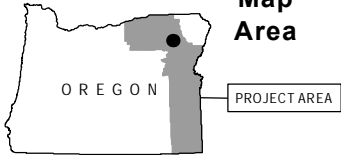
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.54
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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0 2,000
Feet



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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0 100
Feet

Study Area



-  Study Area
-  Soil Plot

Photo Type & Direction

-  NWI verification (Photo ID)

Other Features

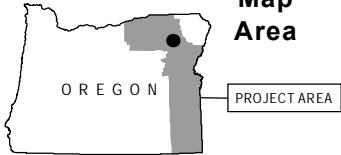
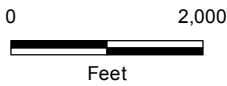
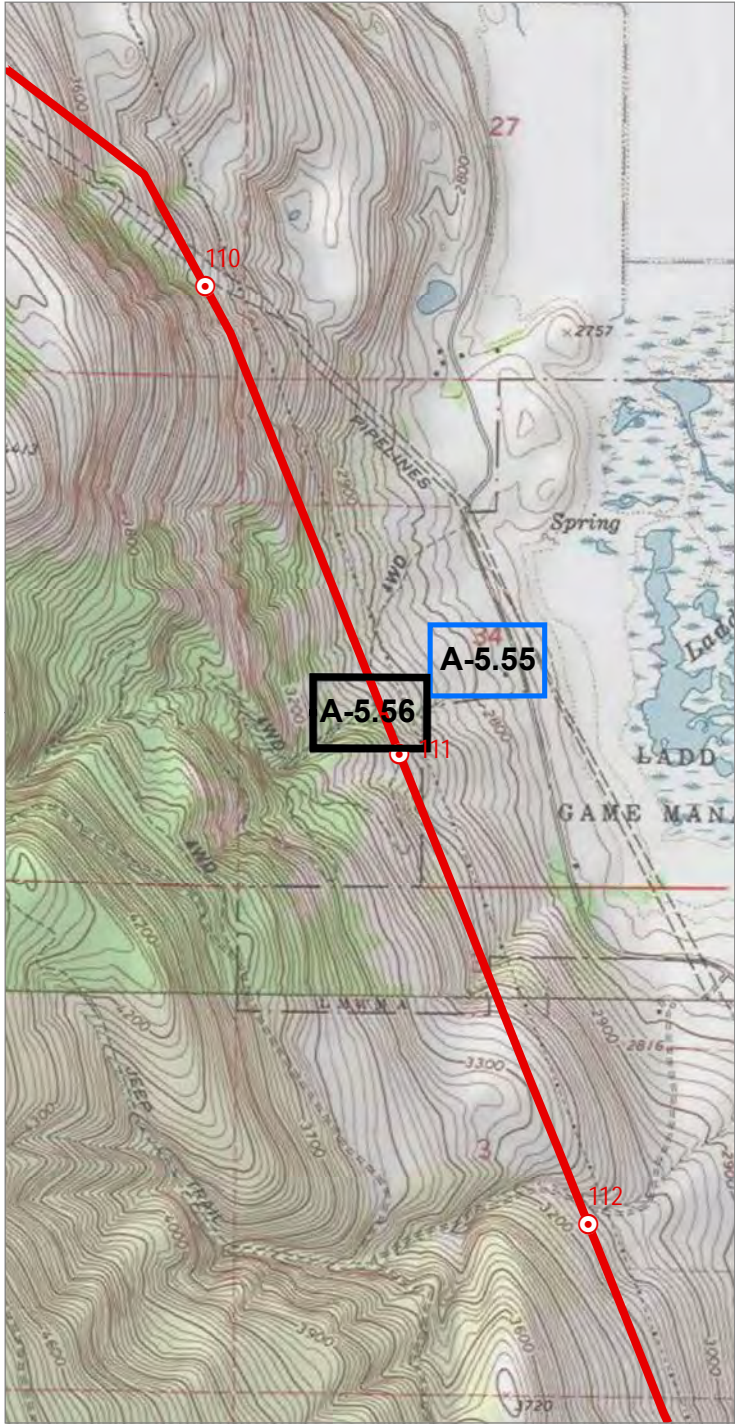
-  Other Major Roads



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.55
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

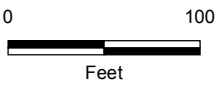
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Int'l
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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Project Features

- Site Boundary
- Proposed Route
- Mileposts
 - Tenth-mile
 - Culvert

Study Area

- Study Area
- Field Delineated Stream

Photo Type & Direction

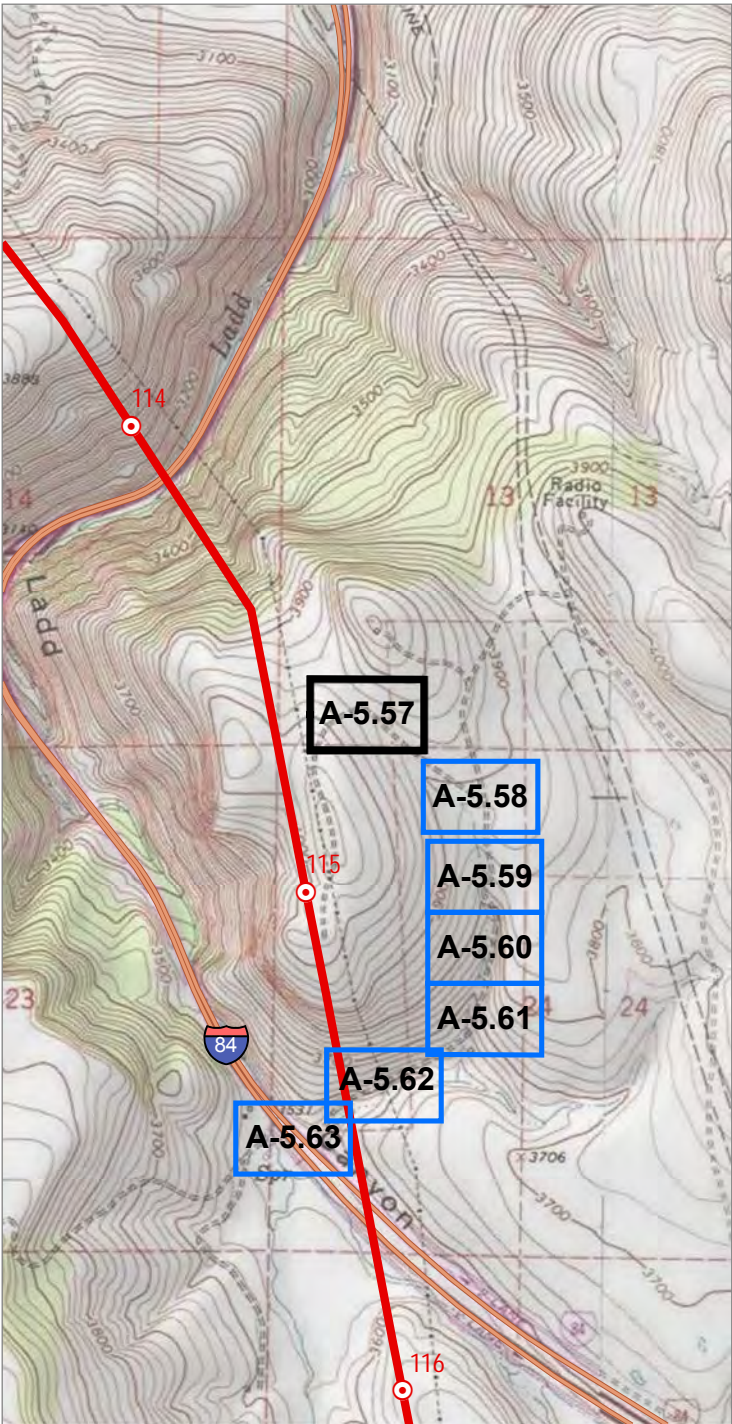
- Stream (Photo ID)
- Flow Direction



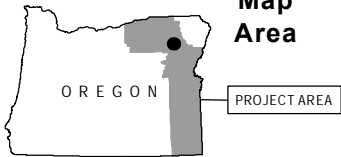
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.56
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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0 2,000
Feet



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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0 100
Feet

Project Features

Site Boundary

Study Area

Study Area

Photo Type & Direction

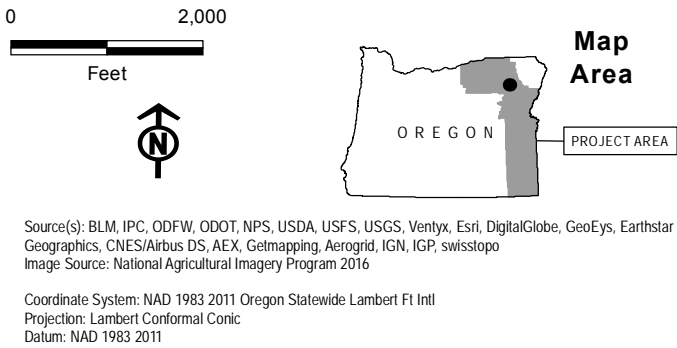
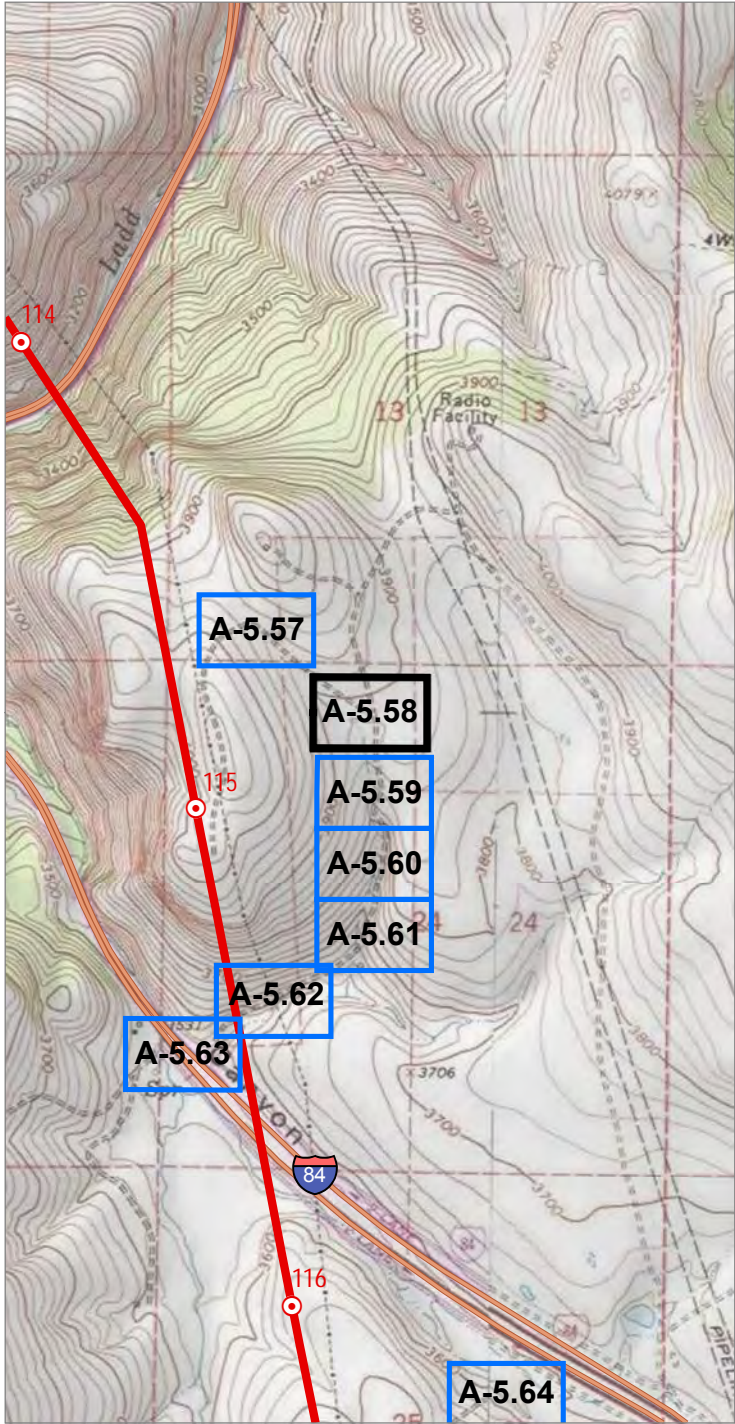
Hydric soil verification
(Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.57
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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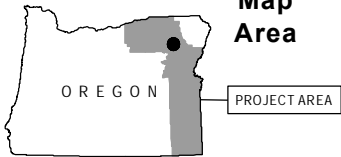
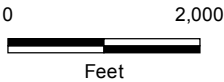
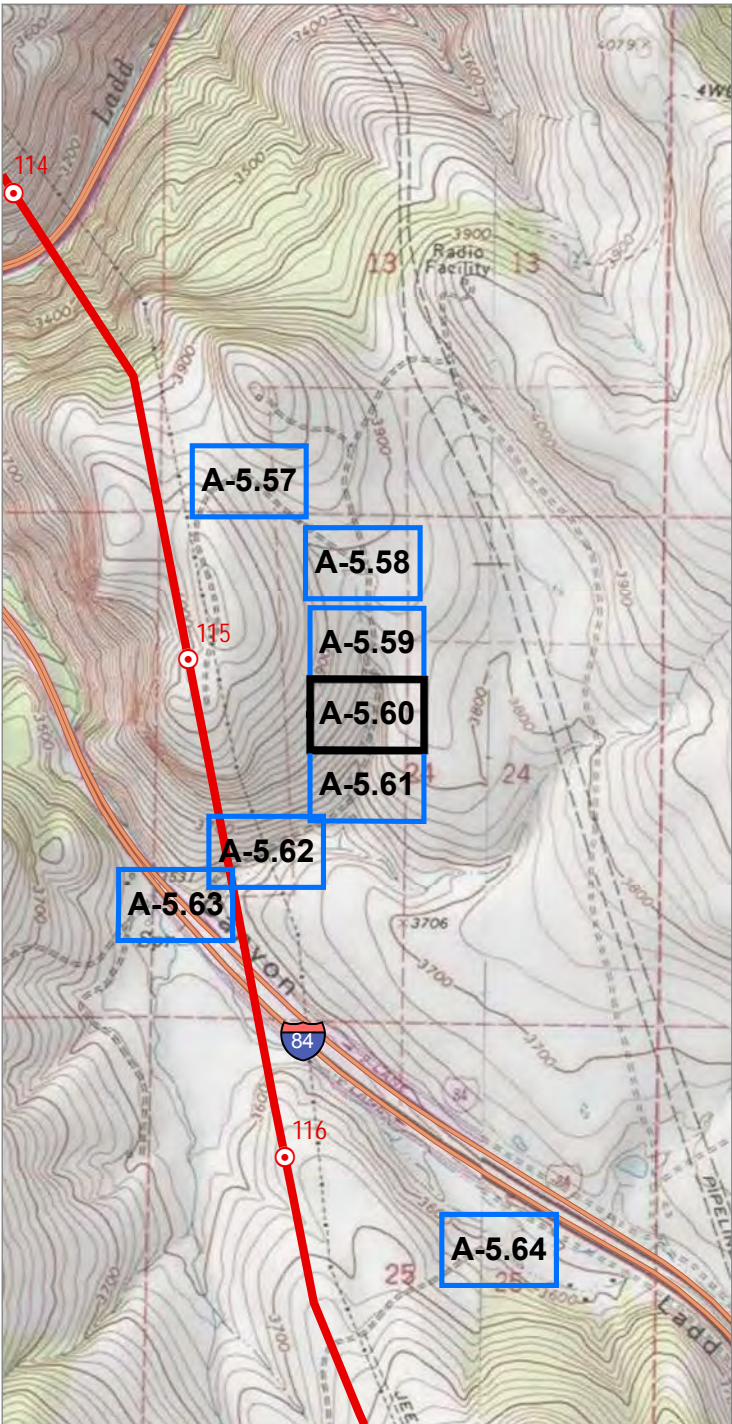
- Study Area**
- Study Area
 - Soil Plot
- Photo Type & Direction**
- Hydric soil verification (Photo ID)

IDAHO POWER
An IDACORP Company

Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.58
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

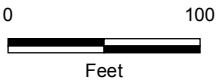
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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Int'l
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Study Area

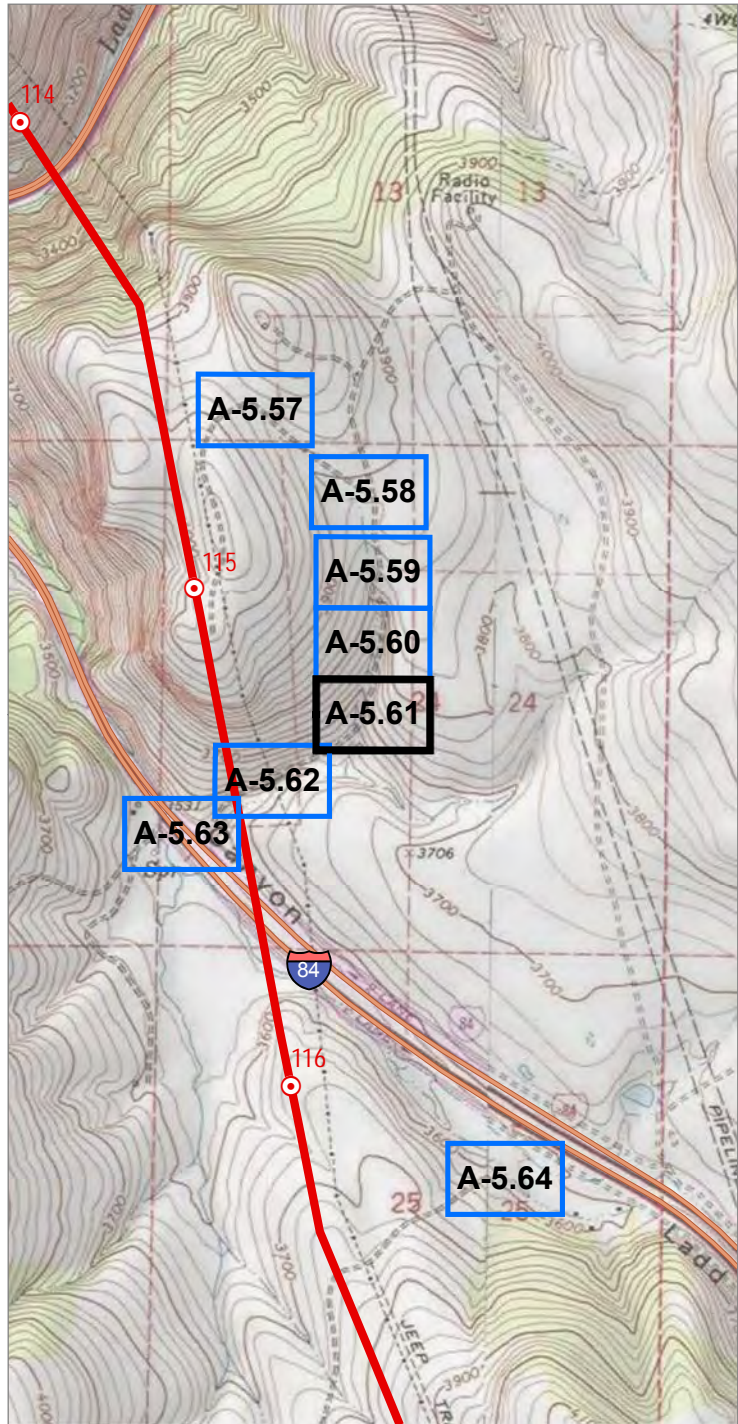
- Study Area
- Field Delineated Stream
- Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.60
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

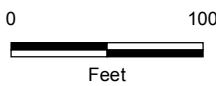
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



- Culvert
- Study Area
- Study Area
- Field Delineated Stream
- Field Delineated Wetland
- Soil Plot
- Photo Type & Direction
- Stream (Photo ID)
- Wetland (Photo ID)
- Flow Direction

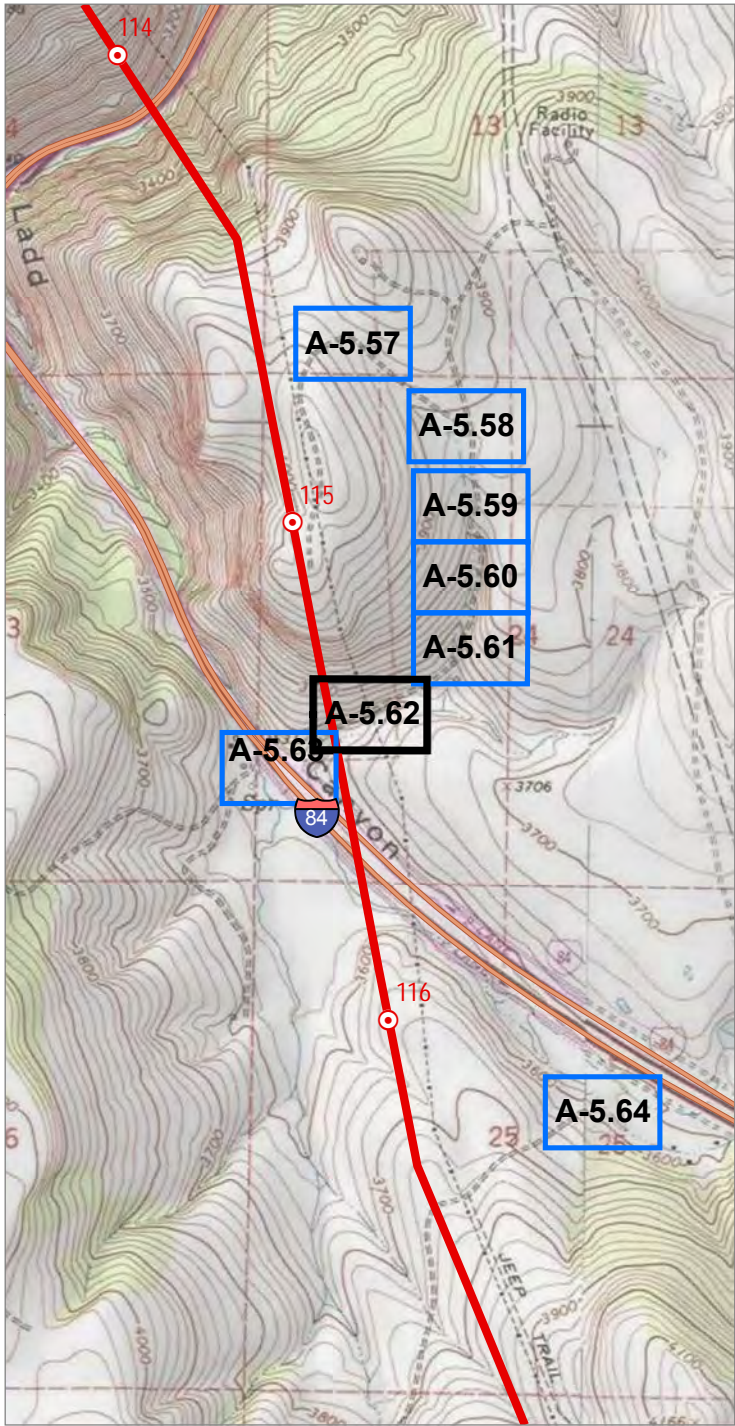
UN_MC_W_001 is completely contained within the Study Area



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.61
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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0 2,000
Feet

Map Area

OREGON

PROJECT AREA

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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- Project Features**
- Site Boundary
 - Proposed Route
- Mileposts**
- Tenth-mile
- Study Area**
- Study Area
 - Field Delineated Stream
 - Soil Plot

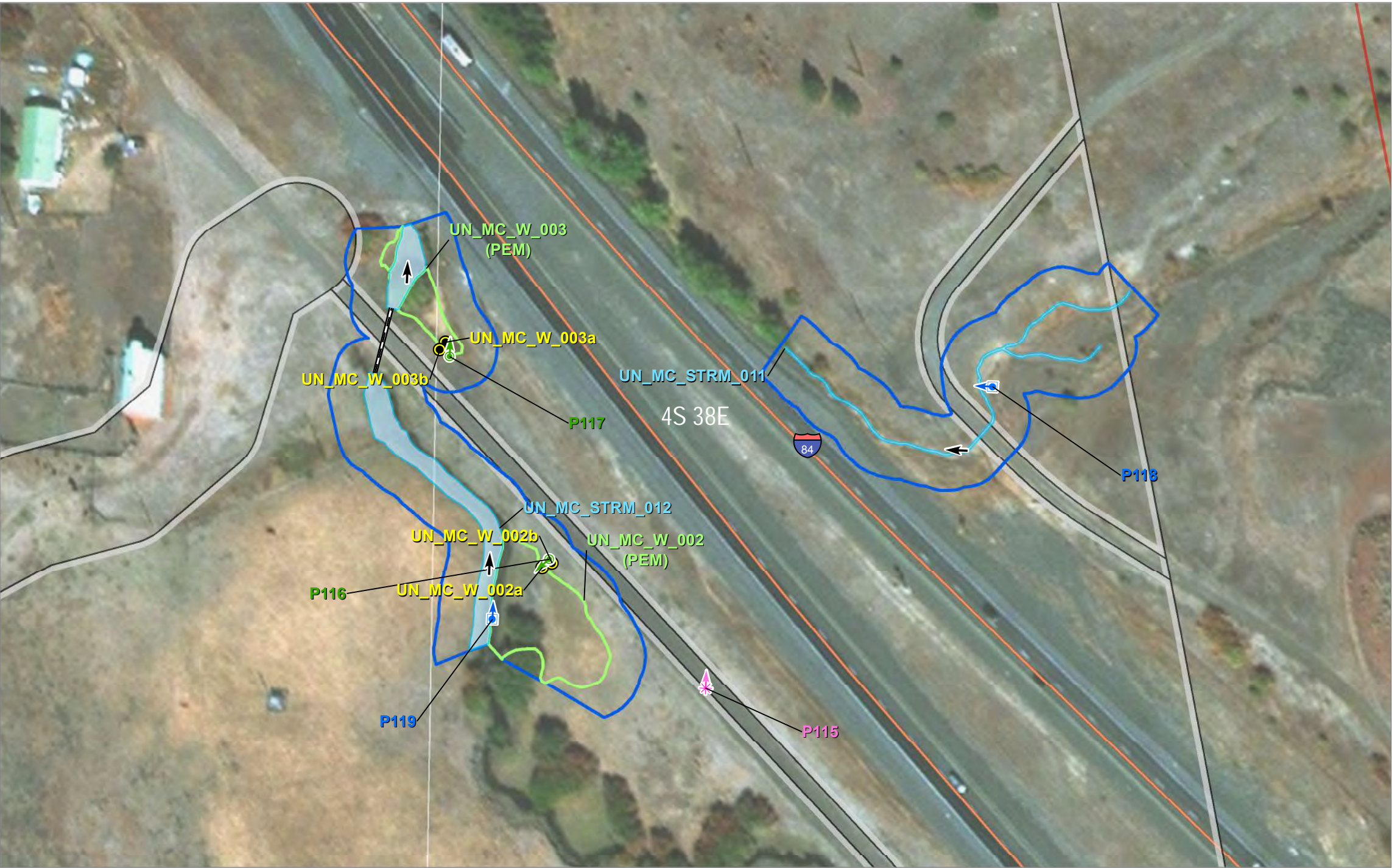
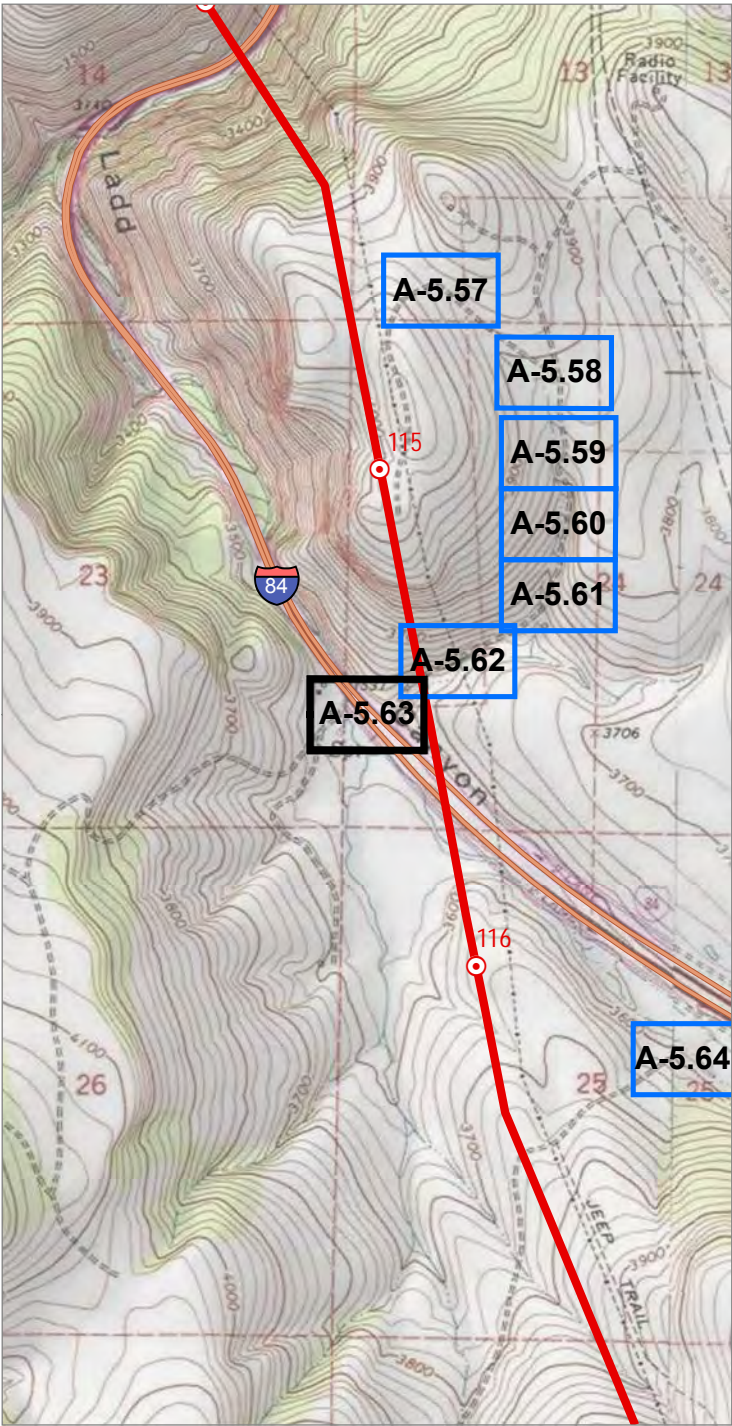
- Photo Type & Direction**
- NWI verification (Photo ID)
 - Stream (Photo ID)
 - Flow Direction

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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.62
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

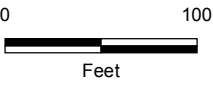
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
1. Elevation contour lines are not available at this time and will be added at a later date.
2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

- Site Boundary
- Proposed Route
- Culvert

Study Area

- Study Area
- Field Delineated Stream
- Field Delineated Wetland
- Soil Plot

Photo Type & Direction

- NHD verification (Photo ID)
- Stream (Photo ID)
- Wetland (Photo ID)
- Flow Direction

Other Features

- Interstates or Highways

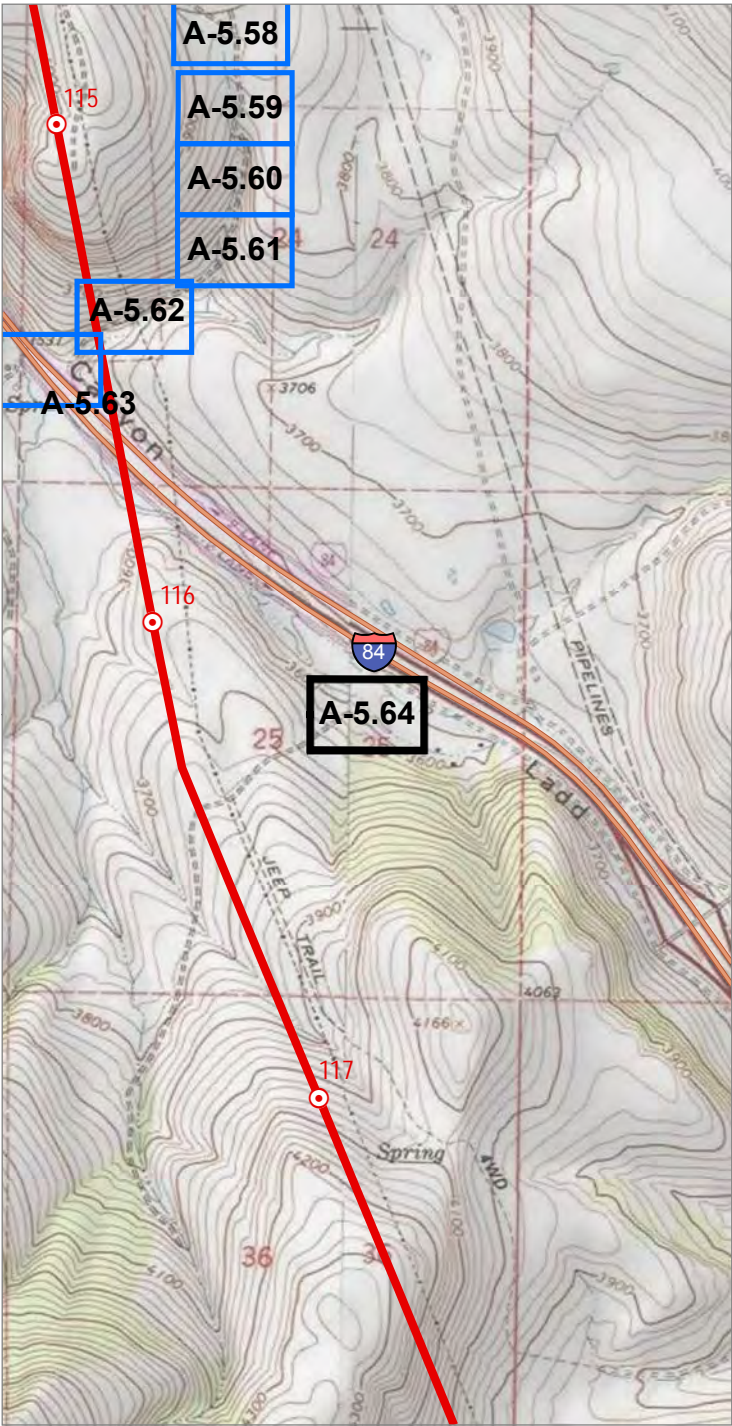
UN_MC_W_003 is completely contained within the Study Area



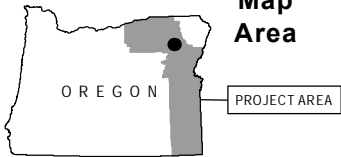
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.63
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



0 2,000
Feet



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



0 100
Feet

Project Features

- Site Boundary
- Culvert

Study Area

- Study Area
- Field Delineated Stream
- Field Delineated Wetland
- Soil Plot

Photo Type & Direction

- Stream (Photo ID)
- Upland swale (Photo ID)
- Wetland (Photo ID)
- Flow Direction

Other Features

- Interstates or Highways

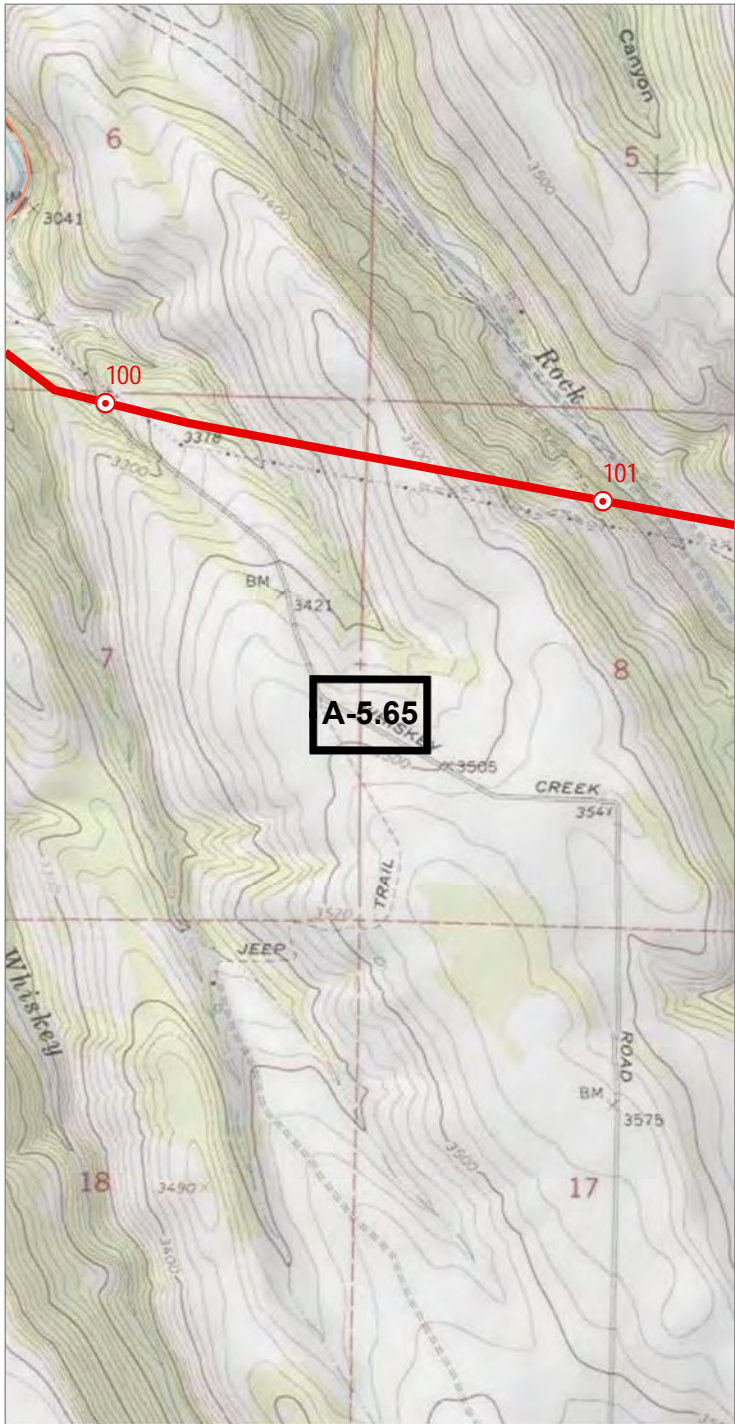
UN_MC_W_302, UN_MC_W_303 are completely contained within the Study Area



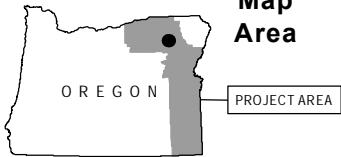
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.64
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



0 2,000
Feet



Map
Area

PROJECT AREA

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:

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0 100
Feet

Project Features

Site Boundary

Alternative

Mileposts

Mile

Tenth-mile

Culvert

Study Area

Study Area

Field Delineated Stream

Soil Plot

Photo Type & Direction

Hydric soil verification
(Photo ID)

Stream (Photo ID)

Flow Direction

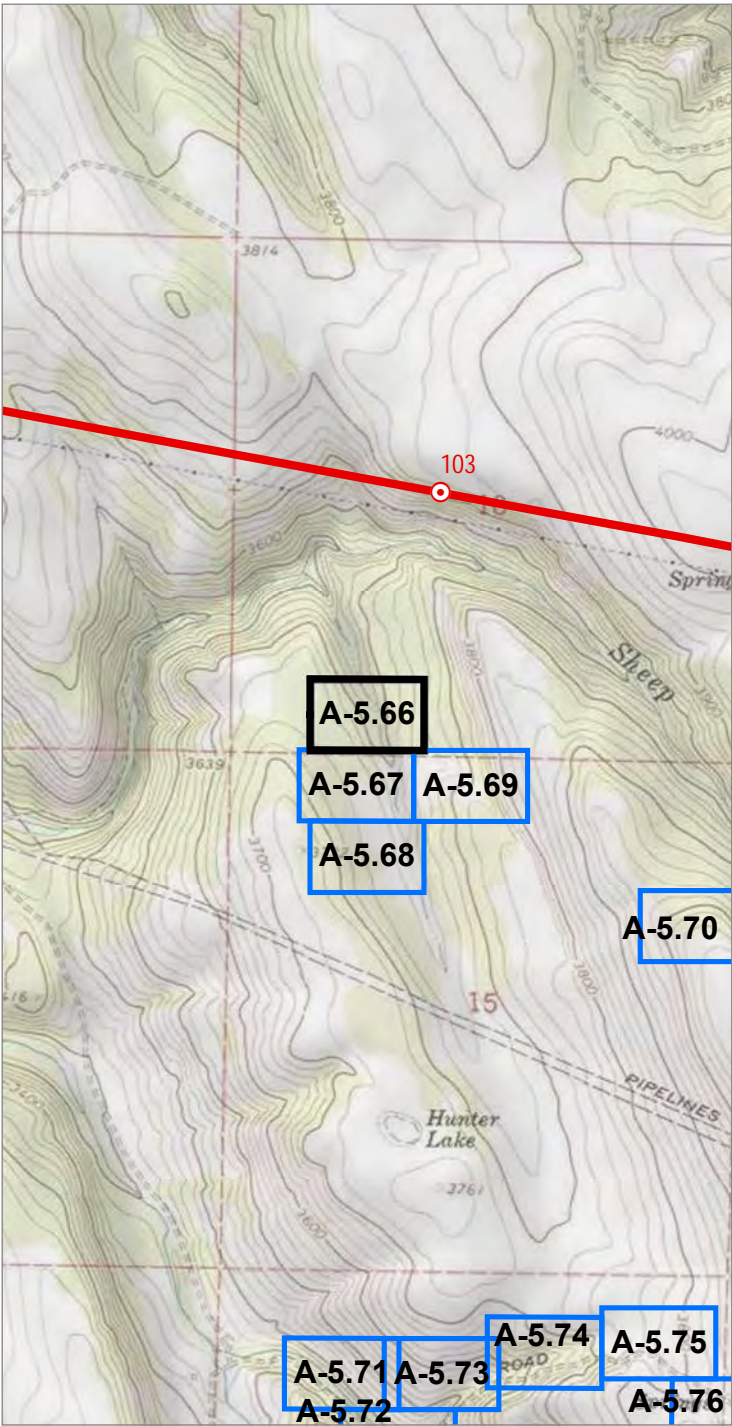


Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.65

**Wetland and Other Waters
Delineation Report
Detail Maps
Union County**

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



0 2,000
Feet

Map Area

OREGON

PROJECT AREA

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.

- Project Features**
- Site Boundary
- Study Area**
- Study Area
 - Field Delineated Stream
 - Field Delineated Wetland
 - Flow Direction

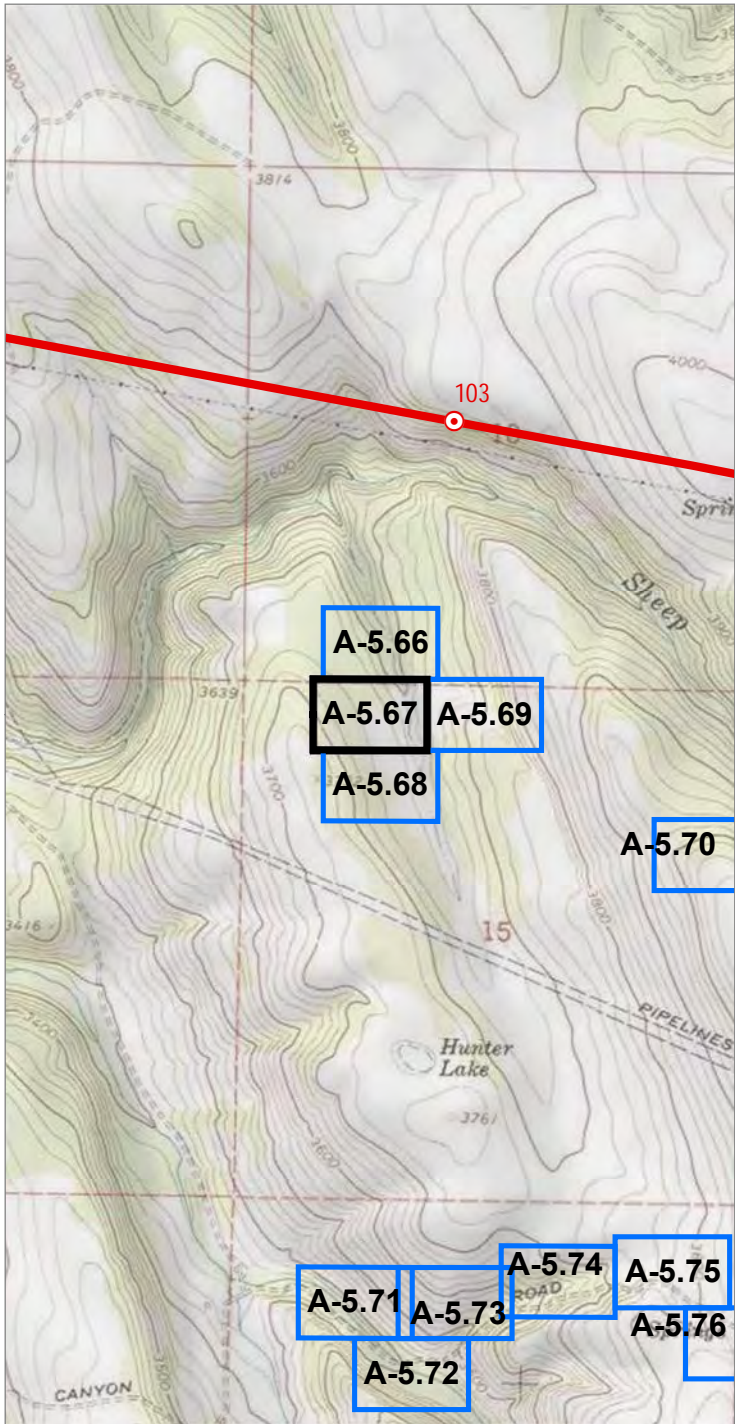
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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.66
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

UN_ML_W_015 is completely contained within the Study Area

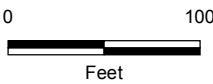
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Project Features

- Site Boundary
- Alternative
- Mileposts
- Tenth-mile

Study Area

- Study Area
- Field Delineated Stream
- Field Delineated Wetland

Photo Type & Direction

- Stream (Photo ID)

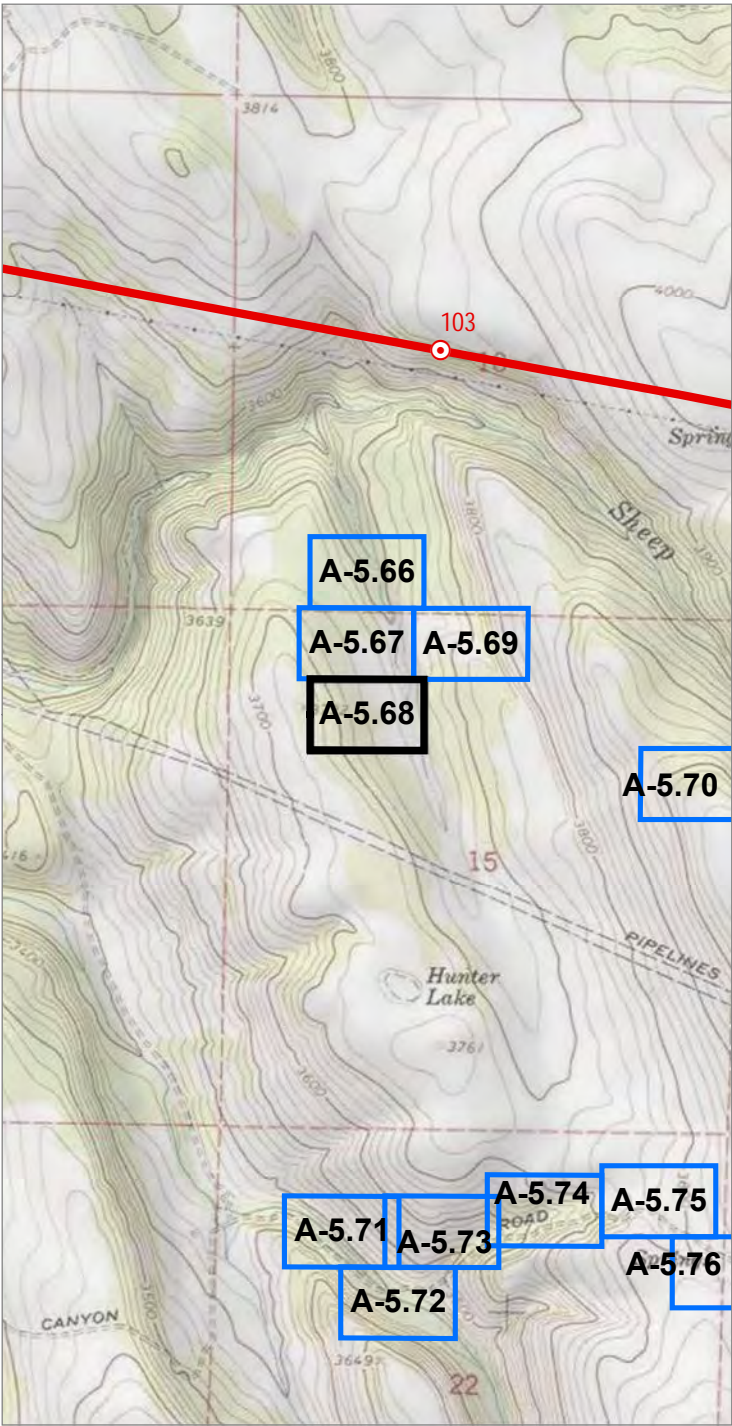
UN_ML_W_015 is completely contained within the Study Area



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.67
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.

Project Features

Site Boundary

Study Area

Study Area

Field Delineated Wetland

Soil Plot

Photo Type & Direction

Wetland (Photo ID)

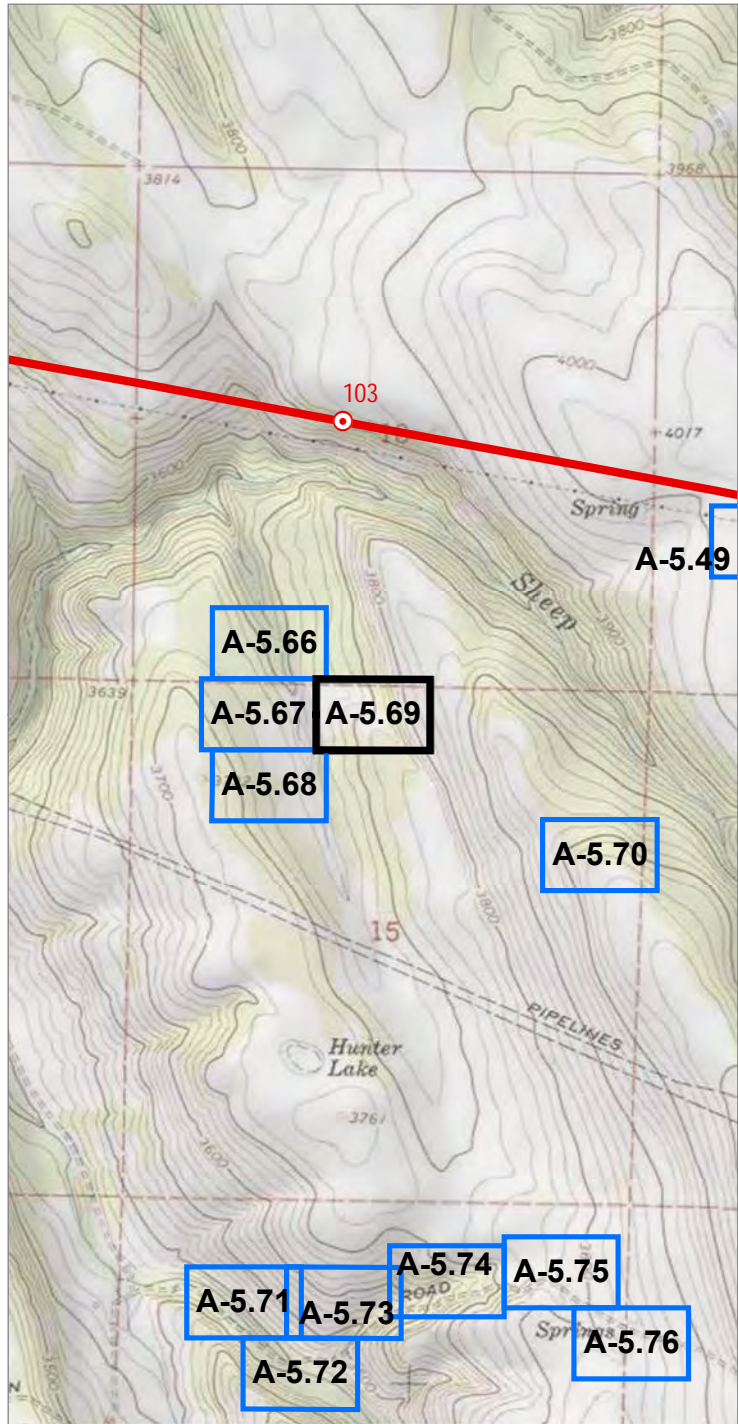


Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.68
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.

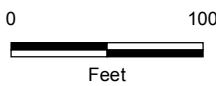
UN_ML_W_015 is completely contained within the Study Area



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Project Features

Site Boundary

Alternative

Mileposts

Tenth-mile

Study Area

Study Area

Field Delineated Wetland

Soil Plot

Photo Type & Direction

Wetland (Photo ID)

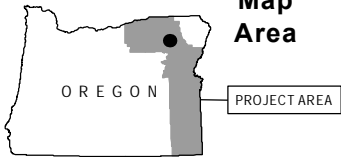
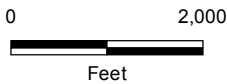
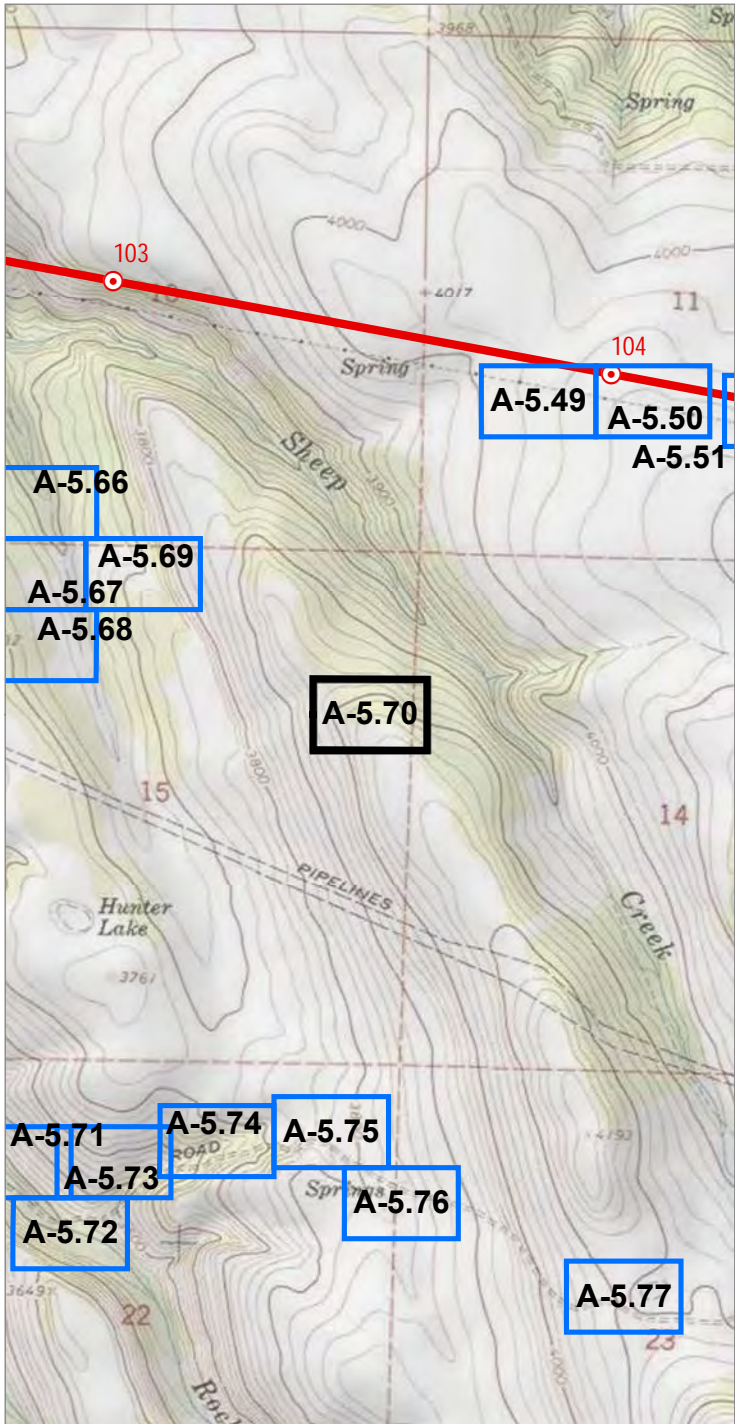
UN_ML_W_016 is completely contained within the Study Area



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.69 Wetland and Other Waters Delineation Report Detail Maps Union County

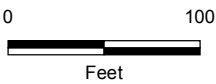
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Project Features

- Site Boundary
- Alternative

Mileposts

- Tenth-mile

Study Area

- Study Area
- Soil Plot

Photo Type & Direction

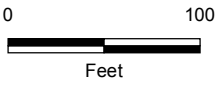
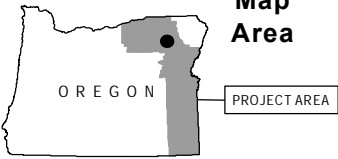
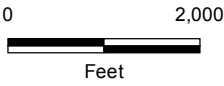
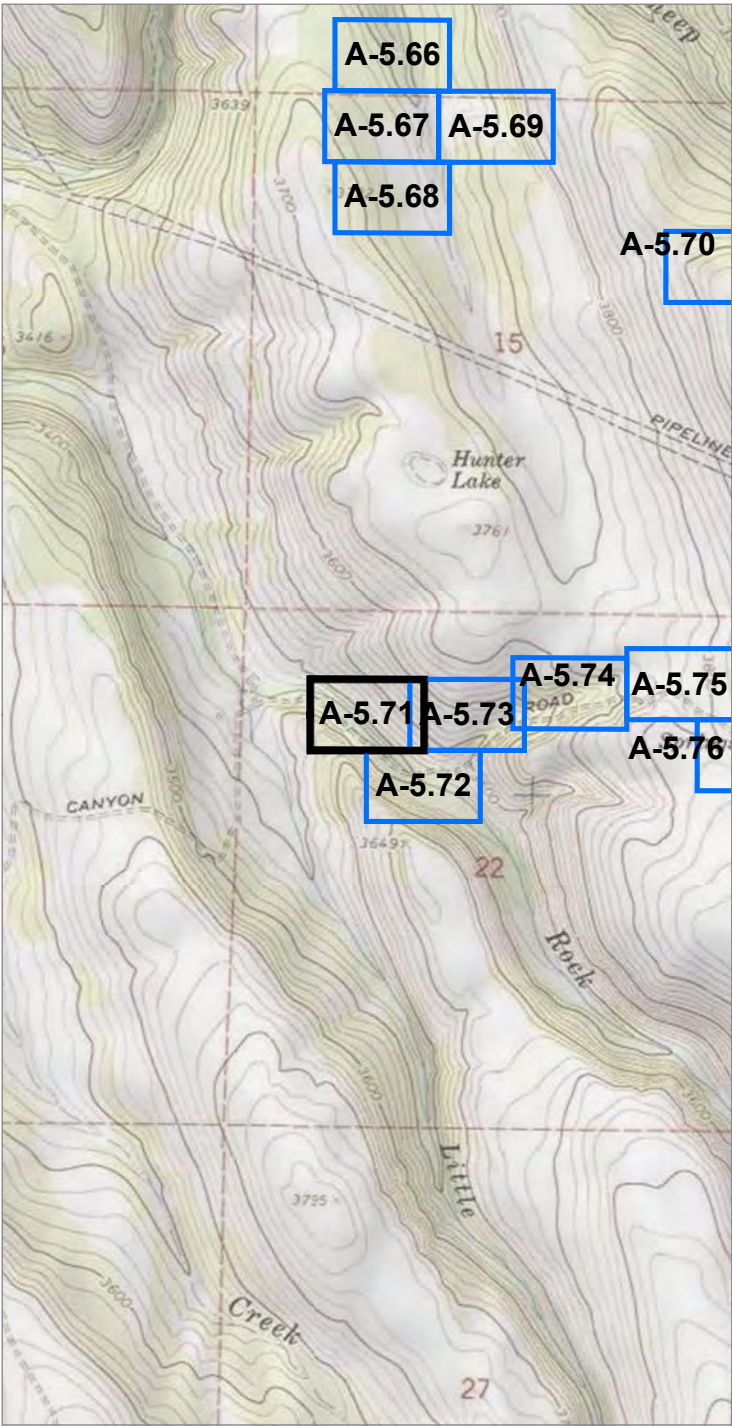
- Hydric soil verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.70
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Study Area

- Study Area
- Field Delineated Stream
- Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

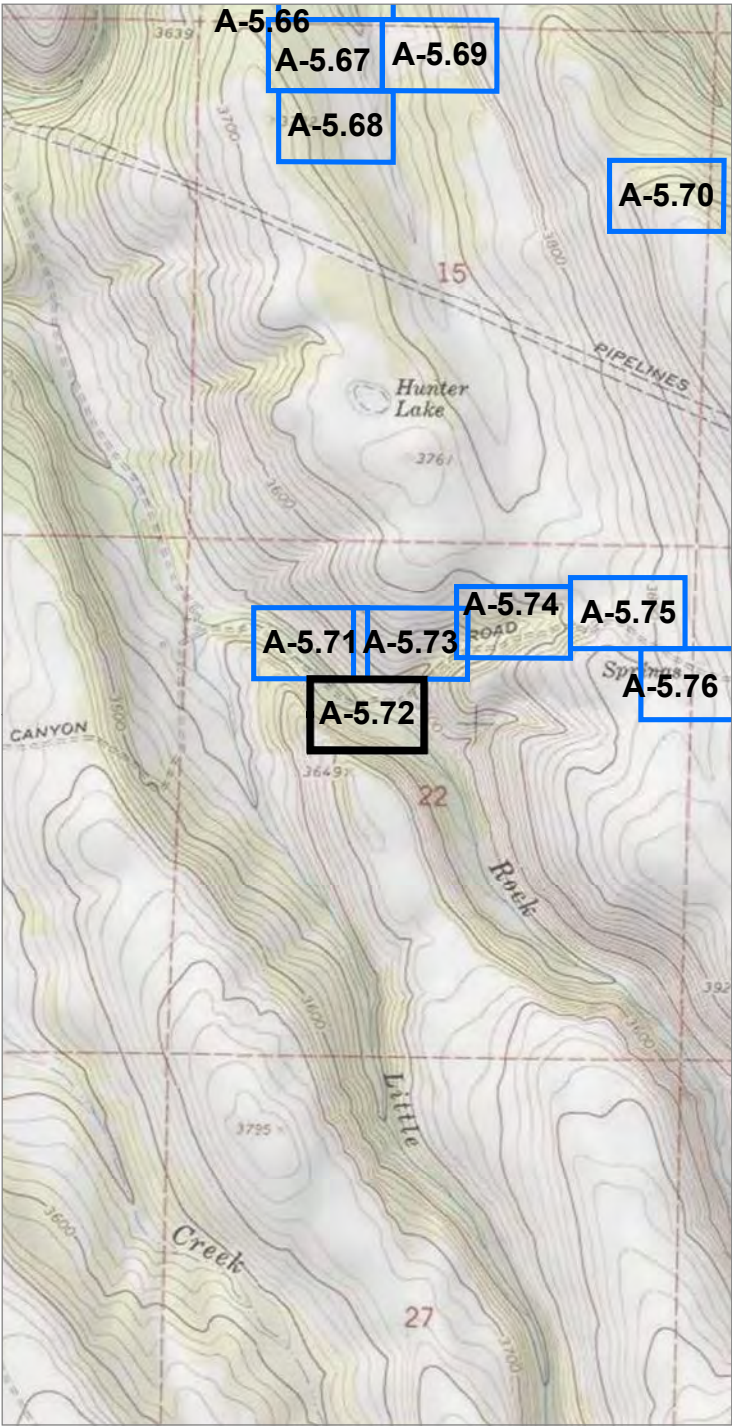
Figure A-5.71
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.

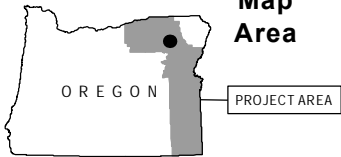
Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Int'l
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
1. Elevation contour lines are not available at this time and will be added at a later date.
2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



0 2,000
Feet



Map
Area

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



0 100
Feet

Study Area

- Study Area
- Field Delineated Stream

Photo Type & Direction

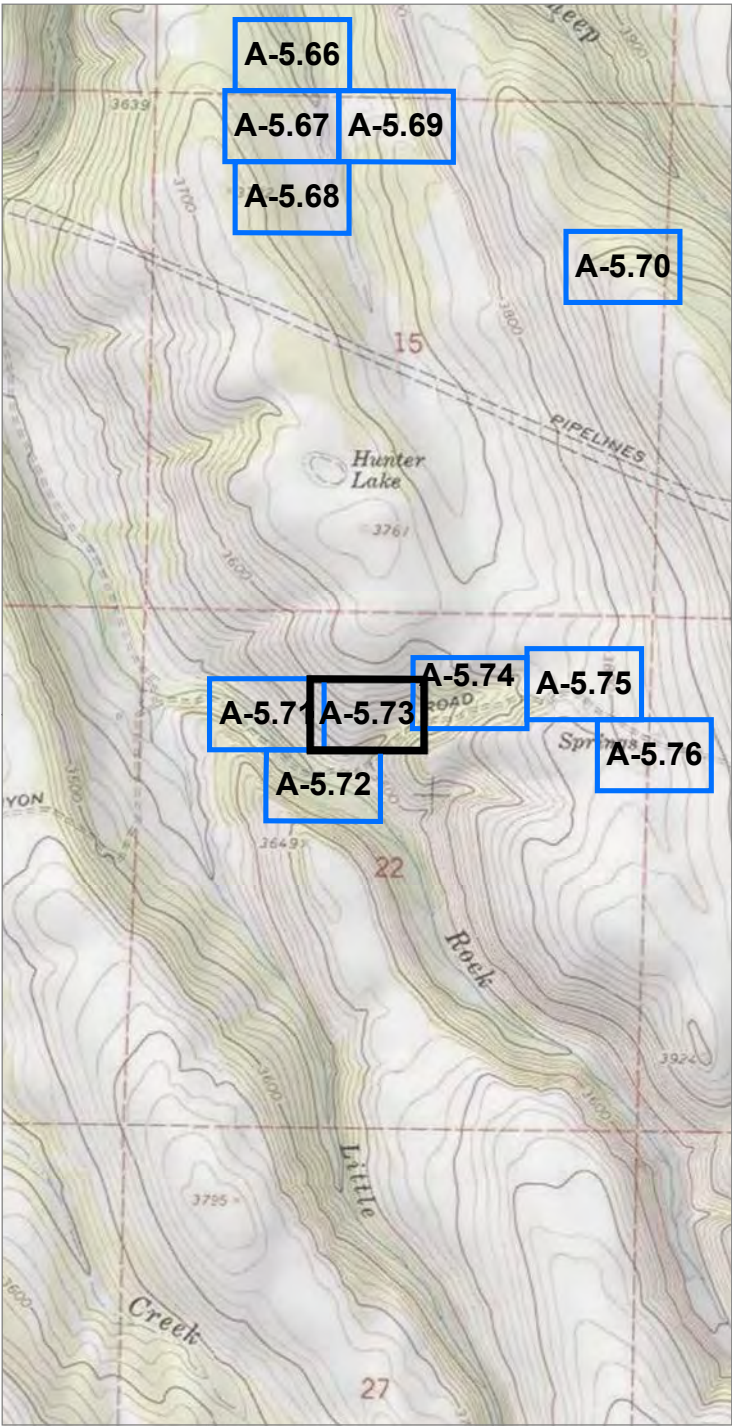
- Stream (Photo ID)
- Flow Direction



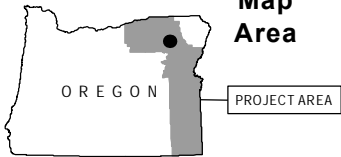
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.72
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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0 2,000
Feet



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
1. Elevation contour lines are not available at this time and will be added at a later date.
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



0 100
Feet

Study Area

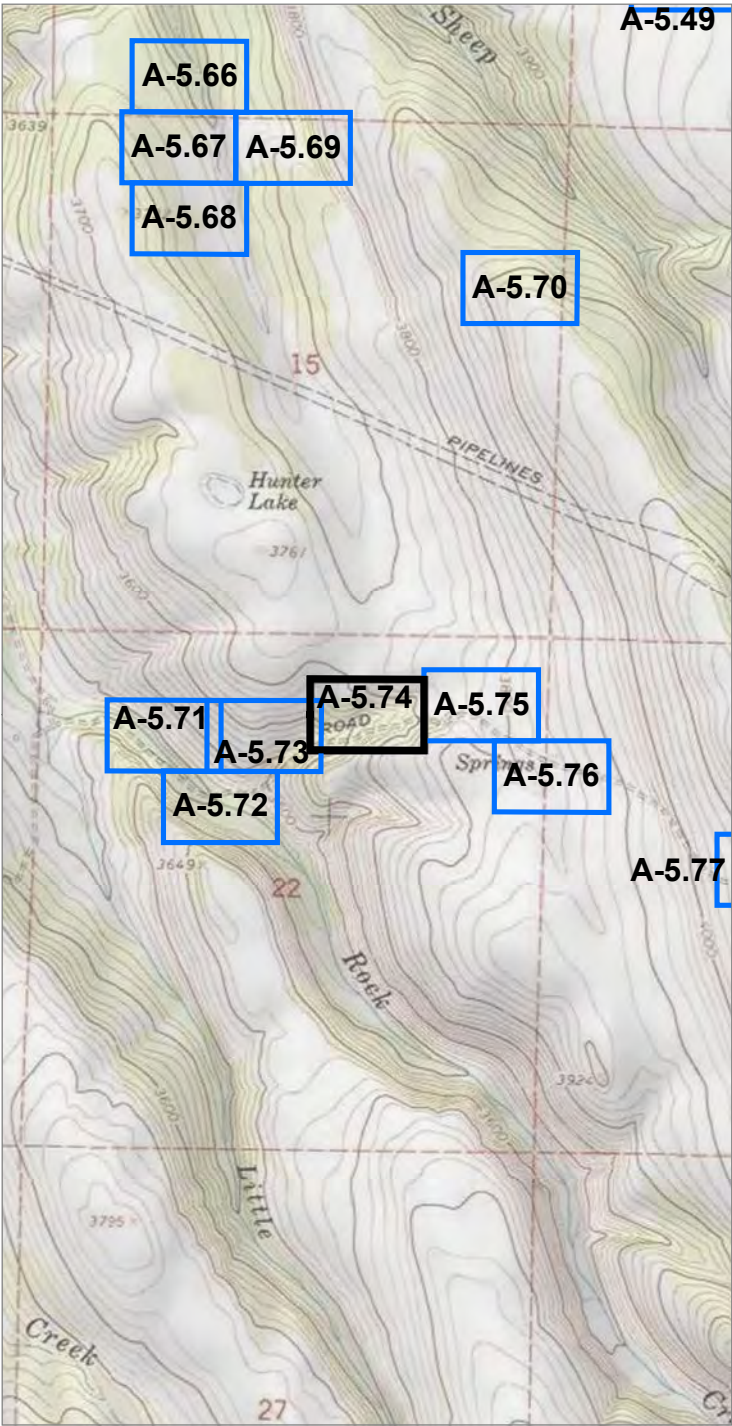
- Study Area
- Field Delineated Stream
- Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.73
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

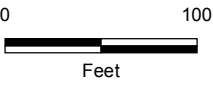
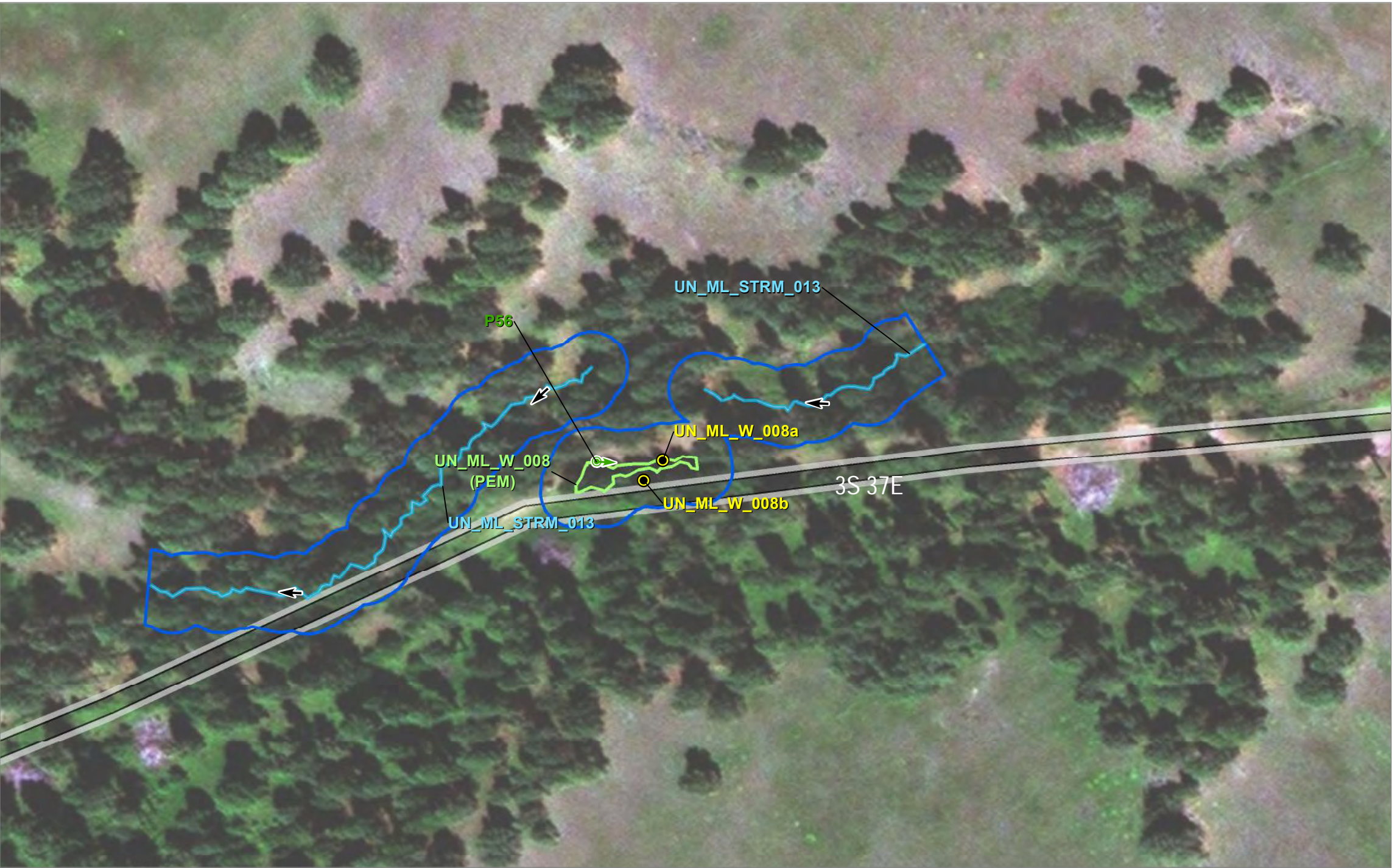
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Int'l
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



Study Area

- Study Area
- Field Delineated Stream
- Field Delineated Wetland
- Soil Plot

Photo Type & Direction

- Wetland (Photo ID)
- Flow Direction

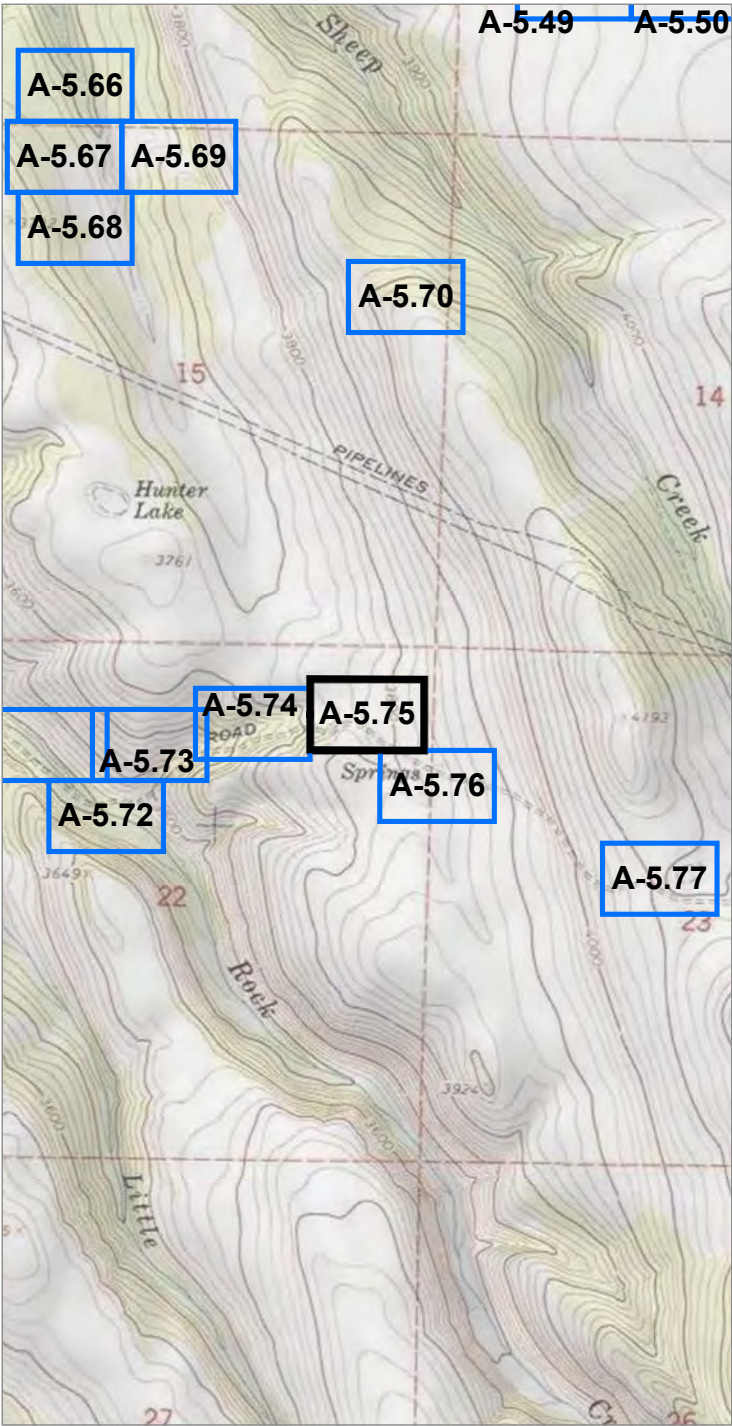
UN_ML_W_008 is completely contained within the Study Area



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.74
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

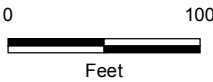
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



- Study Area**
- Study Area
 - Field Delineated Stream
 - Field Delineated Wetland
 - Soil Plot
- Photo Type & Direction**
- Stream (Photo ID)
 - Wetland (Photo ID)
- Flow Direction

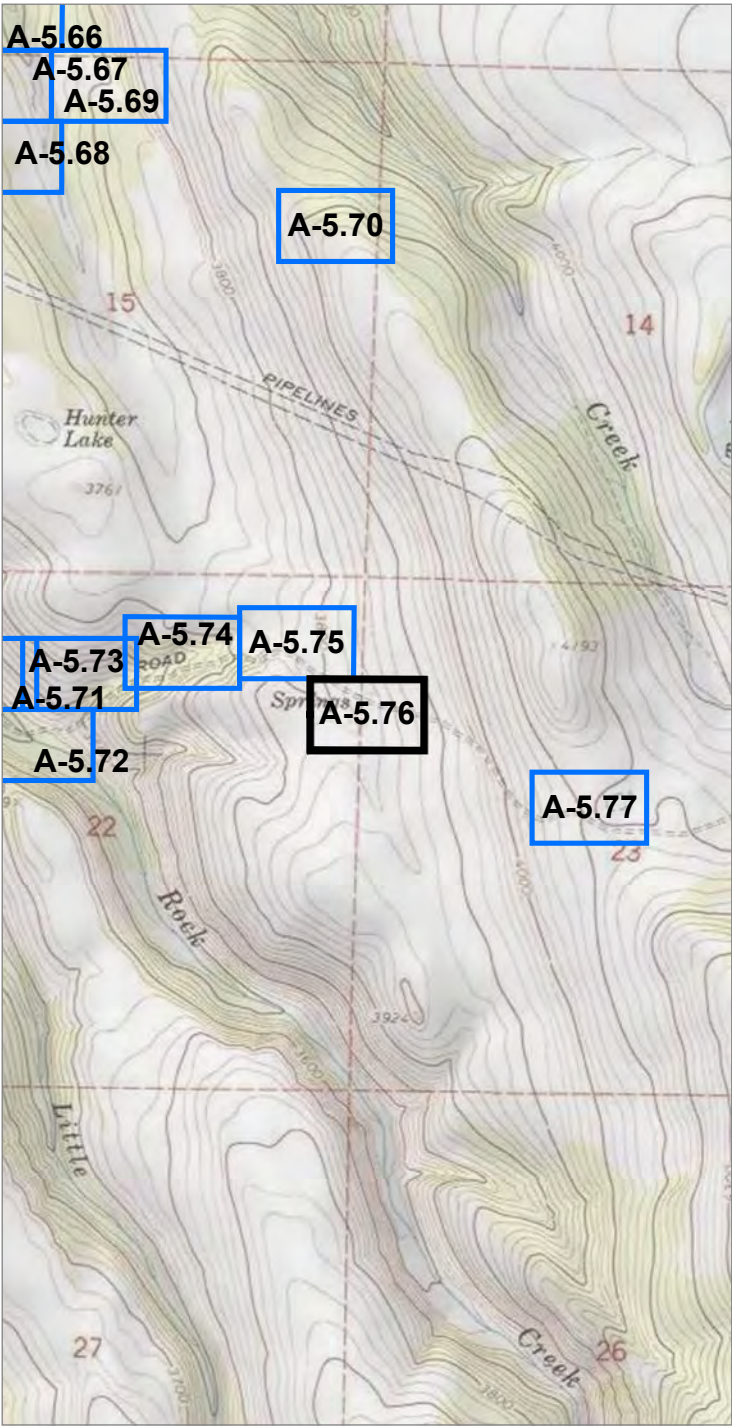
IDAHO POWER
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Transmission Line Project
Application for Site Certificate

Figure A-5.75
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

UN_ML_W_006, UN_ML_STRM_030 are completely contained within the Study Area

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

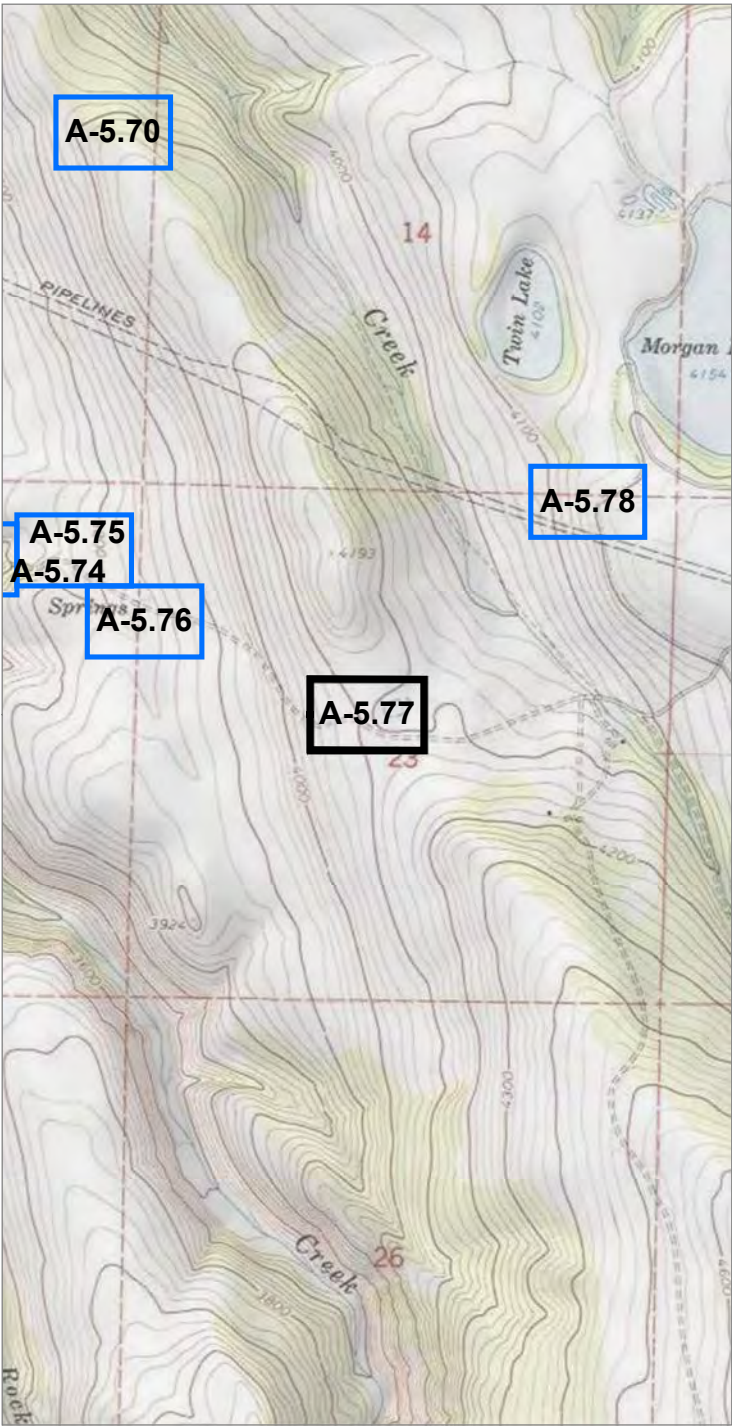
Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
1. Elevation contour lines are not available at this time and will be added at a later date.
2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.

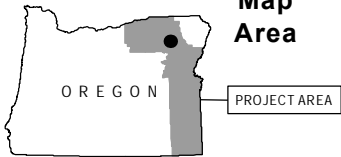


UN_ML_STRM_030 is completely contained within the Study Area

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



0 2,000
Feet



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
1. Elevation contour lines are not available at this time and will be added at a later date.
2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



0 100
Feet

Project Features

Site Boundary

Study Area

Study Area

Field Delineated Wetland

Soil Plot

Photo Type & Direction

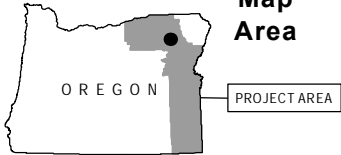
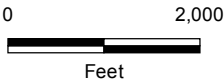
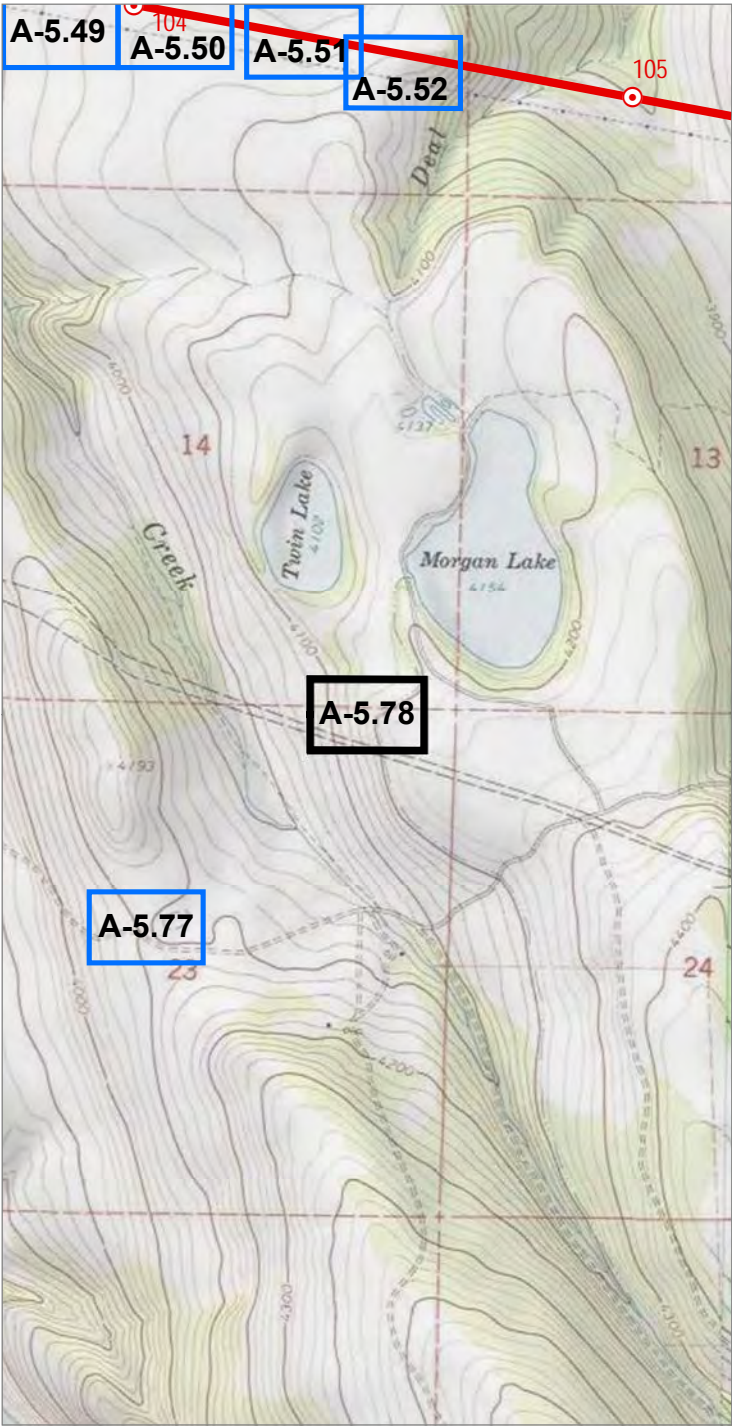
Wetland (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.77
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.

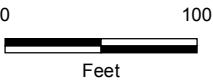


Map
Area

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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Project Features

- Site Boundary
- Alternative

Mileposts

- Tenth-mile

Study Area

- Study Area
- Soil Plot

Photo Type & Direction

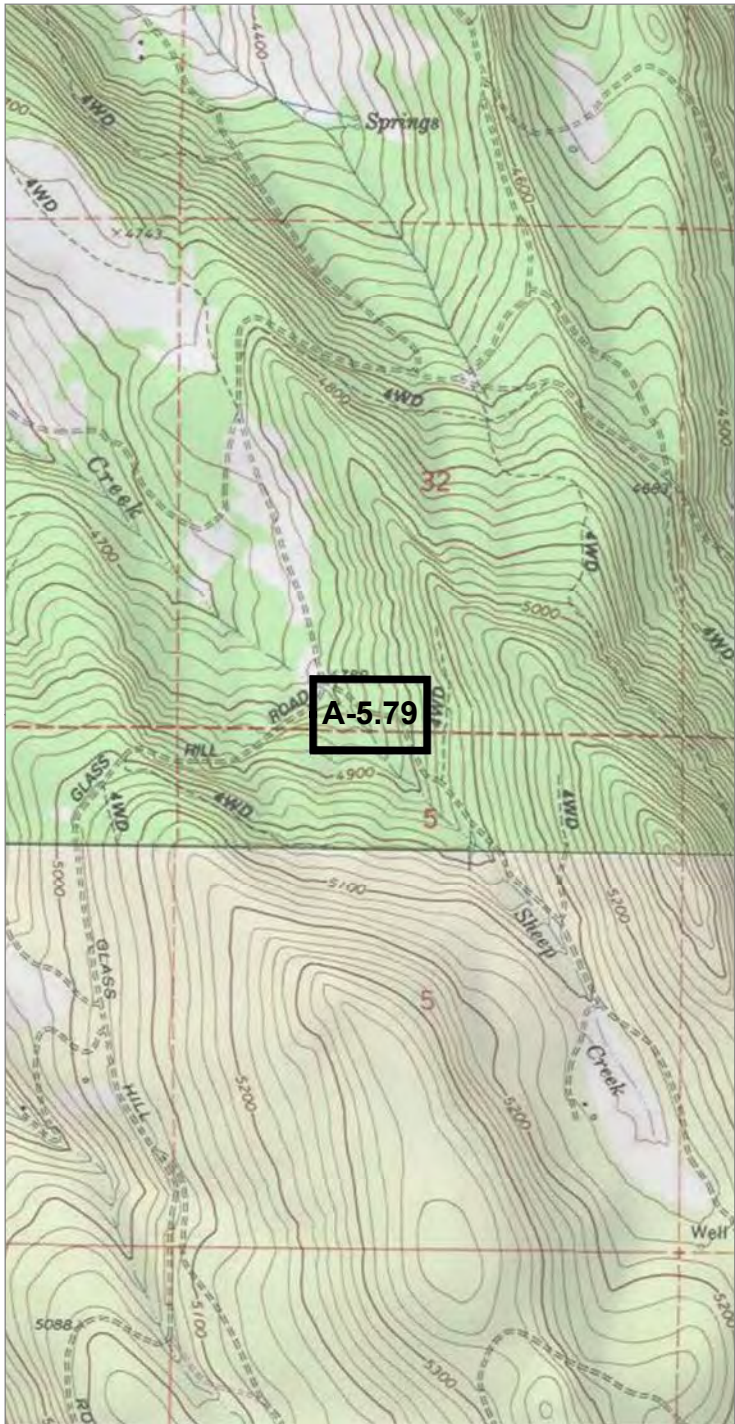
- Hydric soil verification (Photo ID)



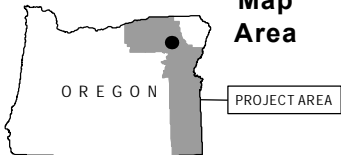
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.78
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



0 2,000
Feet



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.

0 100
Feet

Project Features

Site Boundary

Study Area

Study Area

Soil Plot

Photo Type & Direction

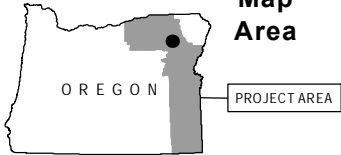
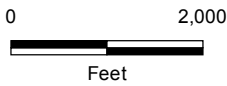
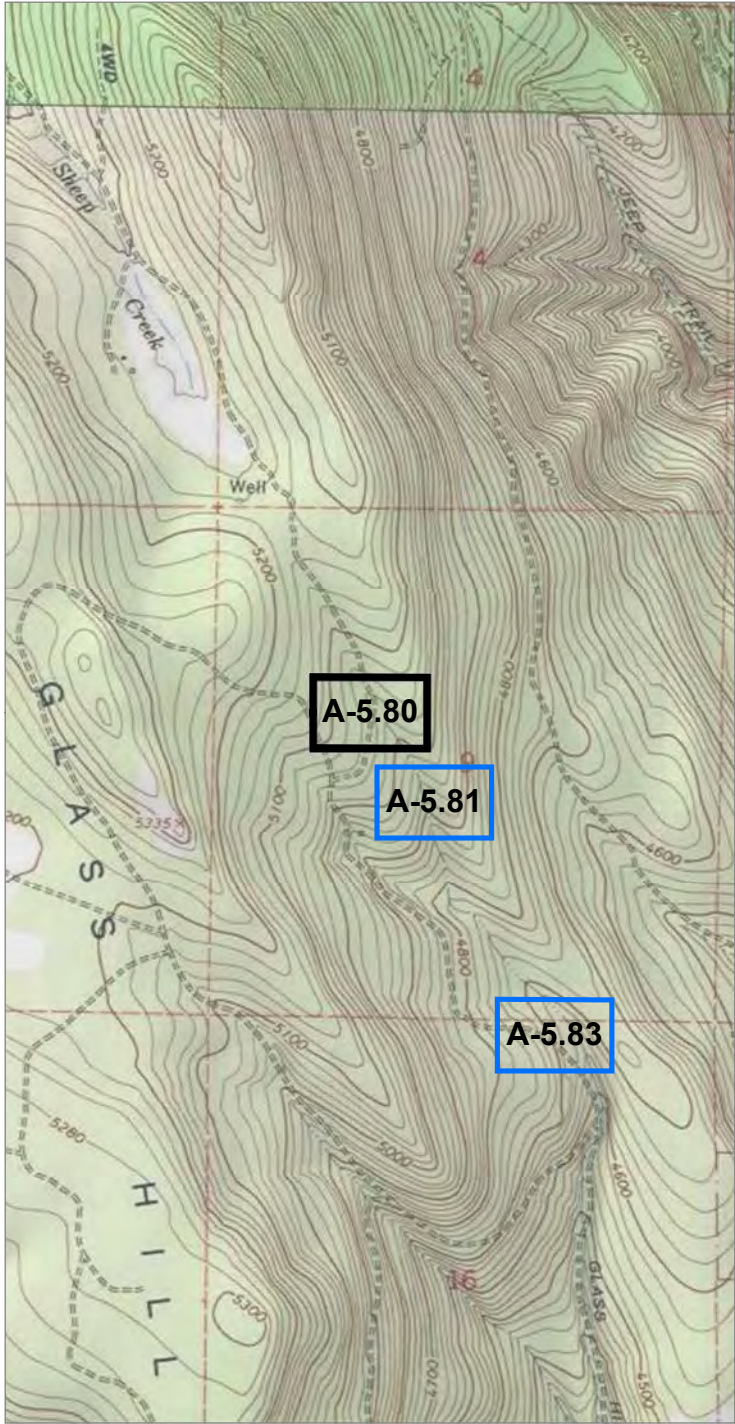
Hydric soil verification
(Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.79
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

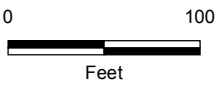
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Project Features

- Site Boundary
- Alternative

Mileposts

- Tenth-mile

Study Area

- Study Area
- Soil Plot

Photo Type & Direction

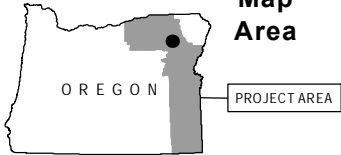
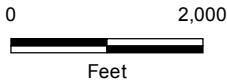
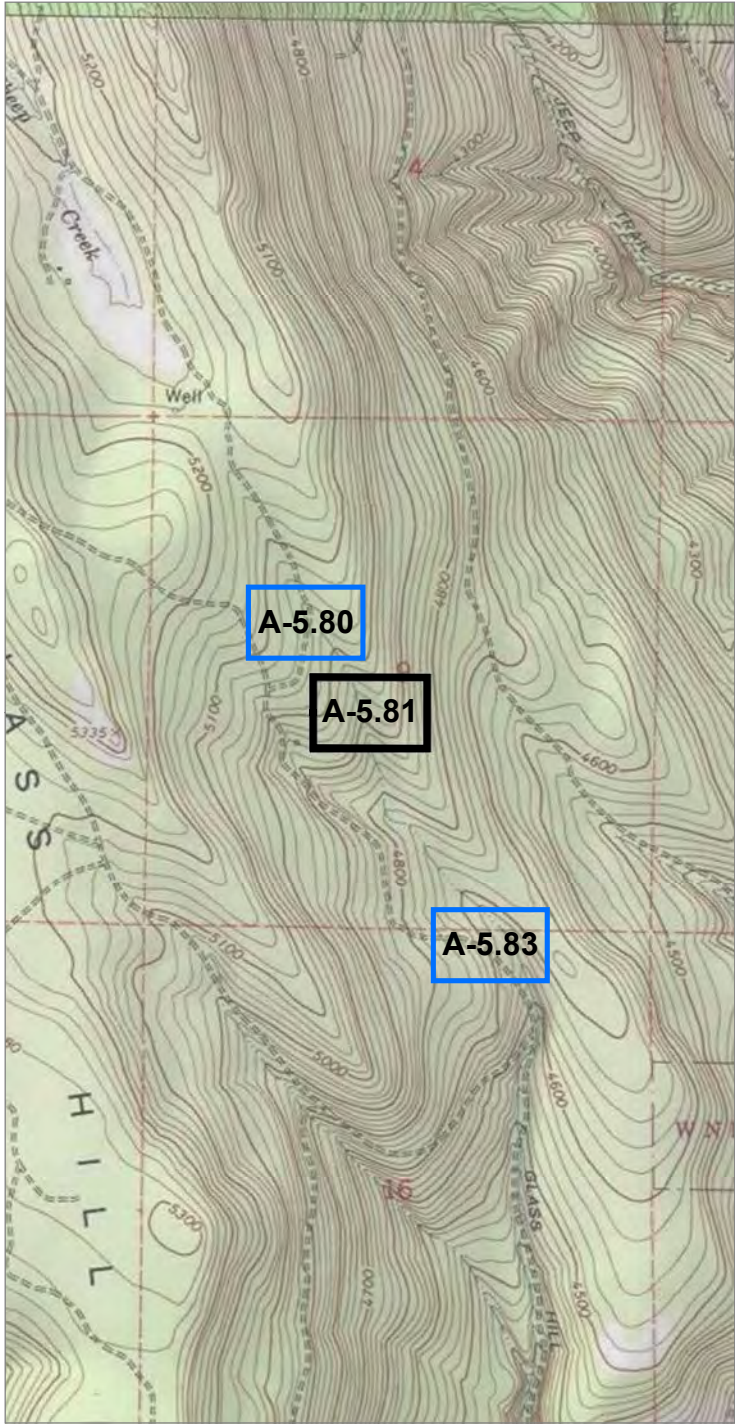
- Hydric soil verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.80
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

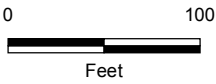
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Int'l
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Project Features

Site Boundary

Alternative

Mileposts

Tenth-mile

Study Area

Study Area

Photo Type & Direction

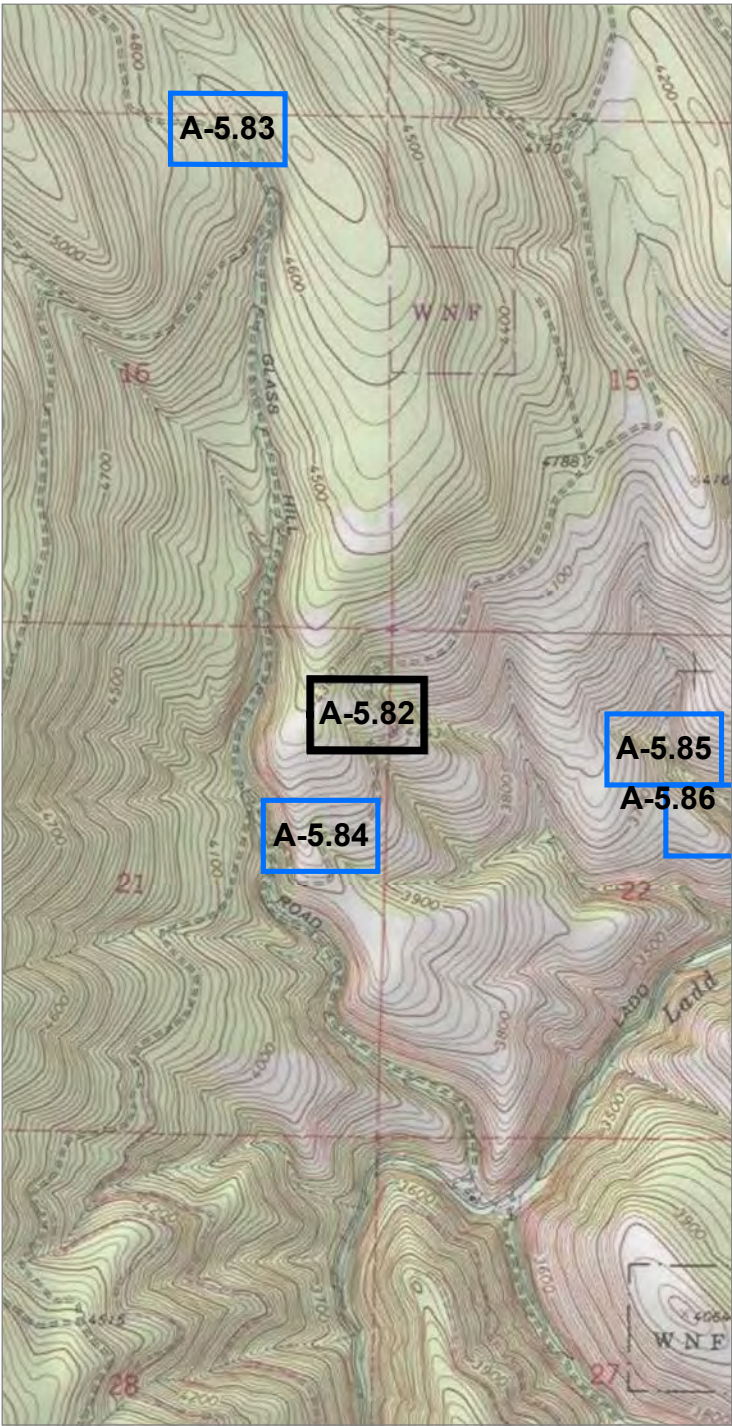
Hydric soil verification
(Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.81
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
1. Elevation contour lines are not available at this time and will be added at a later date.
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.

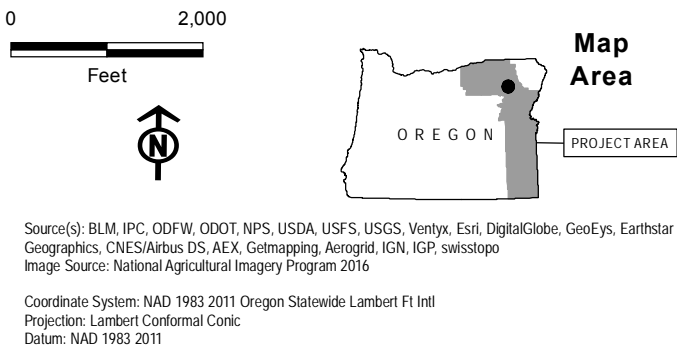
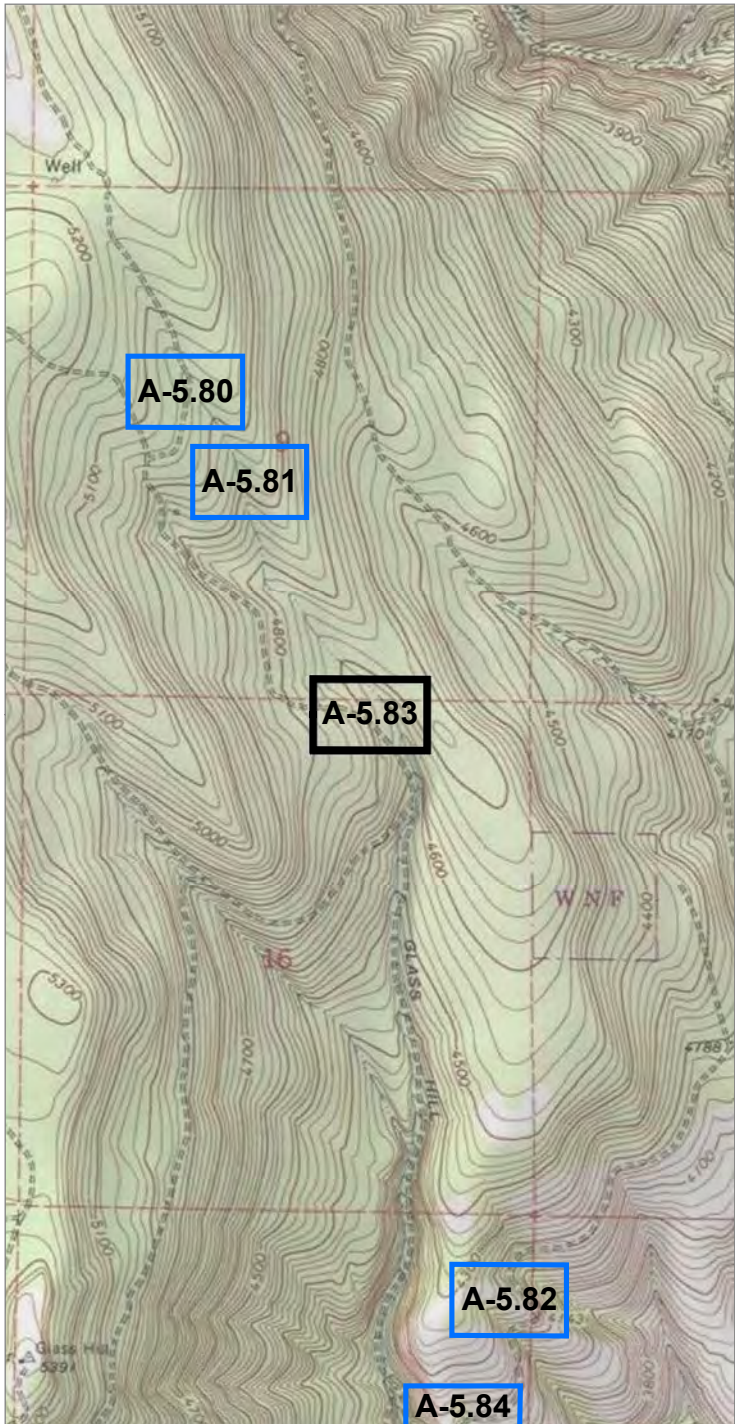
- Project Features**
- Site Boundary
 - Alternative
- Mileposts**
- Tenth-mile
- Study Area**
- Study Area
- Photo Type & Direction**
- NHD verification (Photo ID)
 - Upland swale (Photo ID)

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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.82
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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Notes:

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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.

Project Features

- Site Boundary
- Alternative
- Mileposts
 - Tenth-mile
 - Culvert

Study Area

- Study Area
- Field Delineated Stream
- Soil Plot

Photo Type & Direction

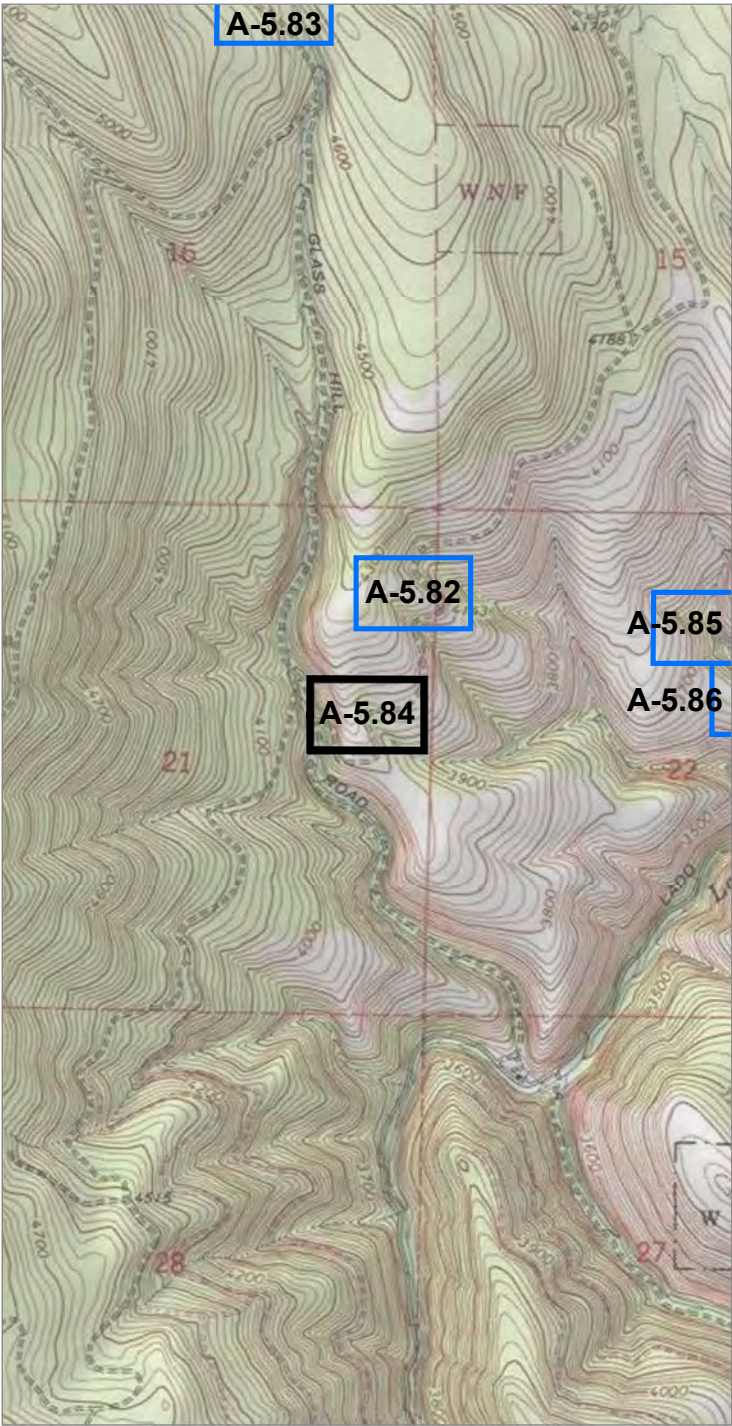
- Hydric soil verification (Photo ID)
- Stream (Photo ID)
- Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.83
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

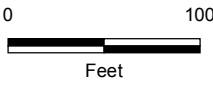
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Project Features

Site Boundary

Alternative

Mileposts

Tenth-mile

Study Area

Study Area

Photo Type & Direction

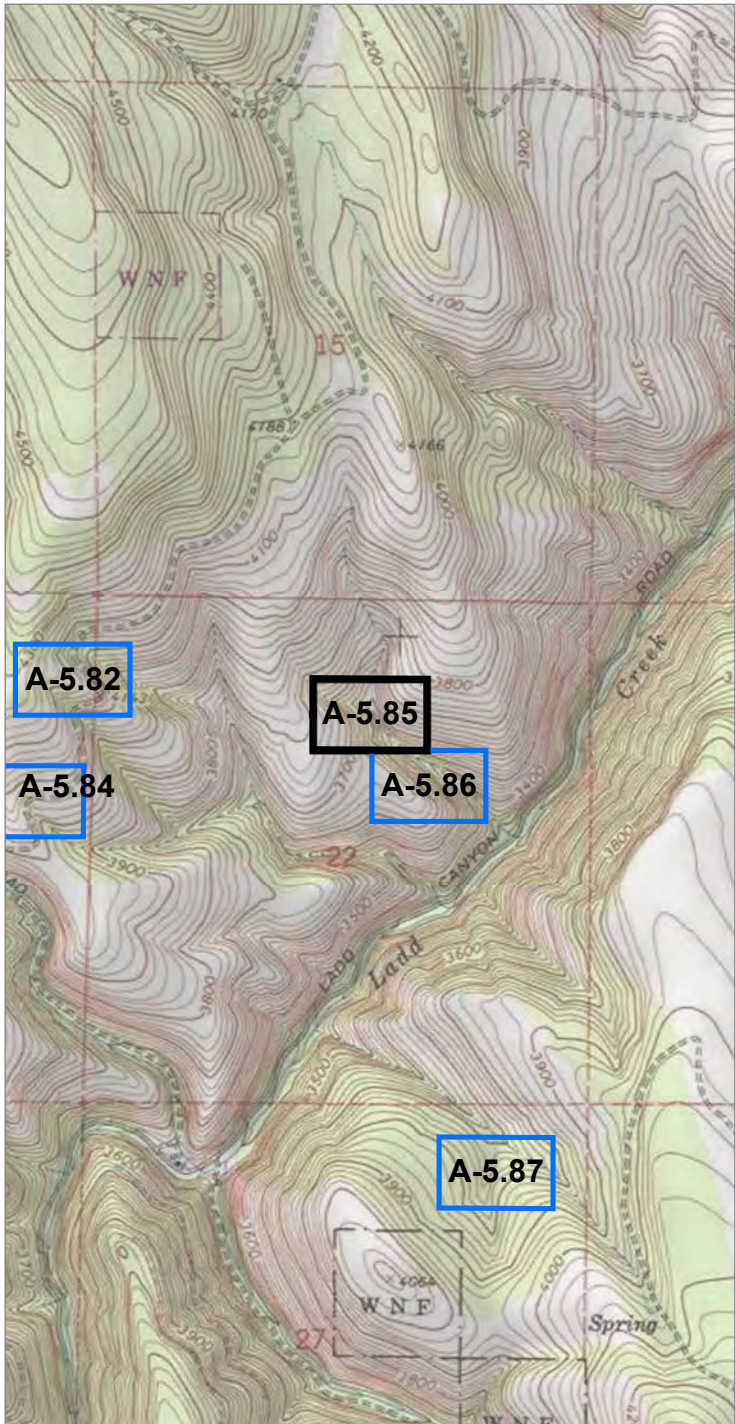
NHD verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.84
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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0 2,000
Feet

Map Area

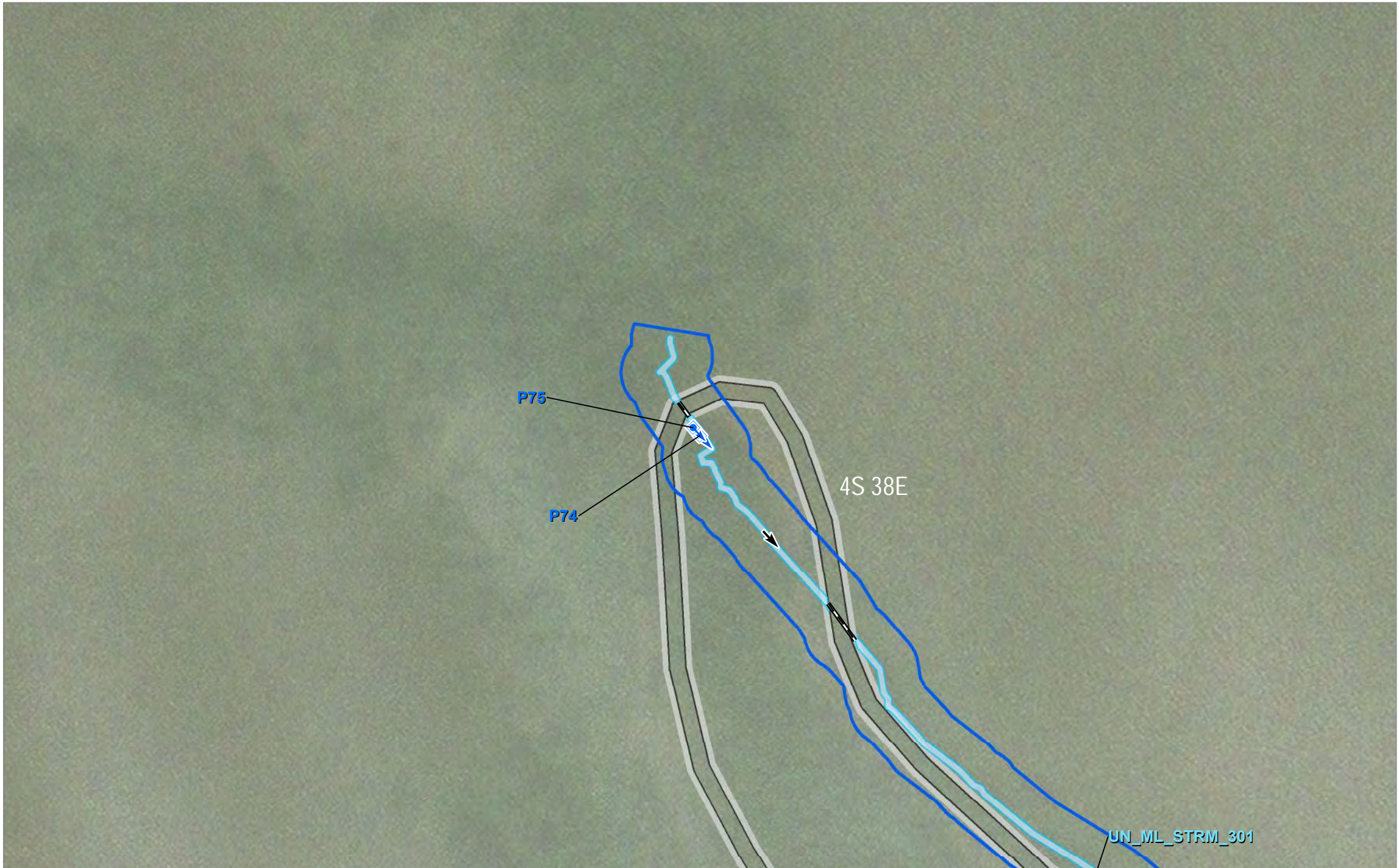
OREGON

PROJECT AREA

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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0 100
Feet

— Culvert

Study Area

Study Area

Field Delineated Stream

Photo Type & Direction

Stream (Photo ID)

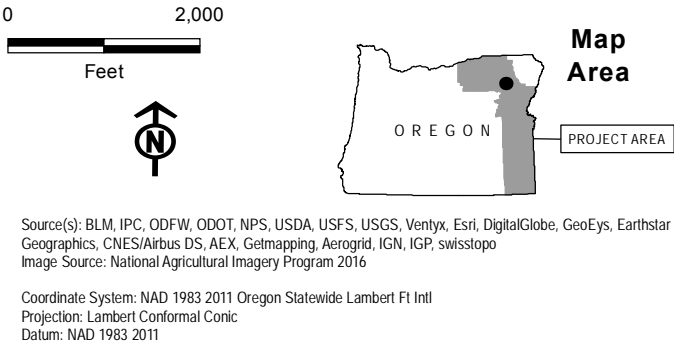
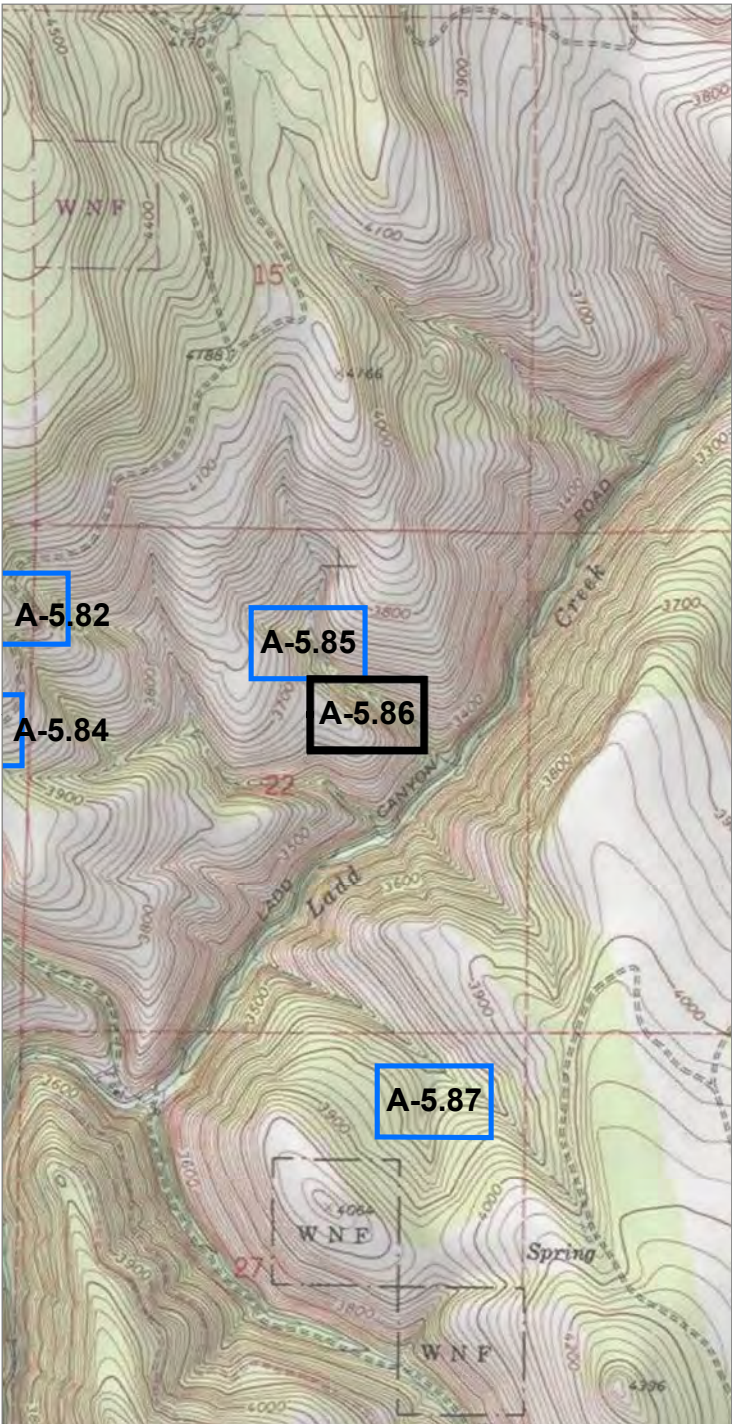
Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

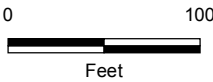
Figure A-5.85
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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Notes:

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Study Area

Study Area

Field Delineated Stream

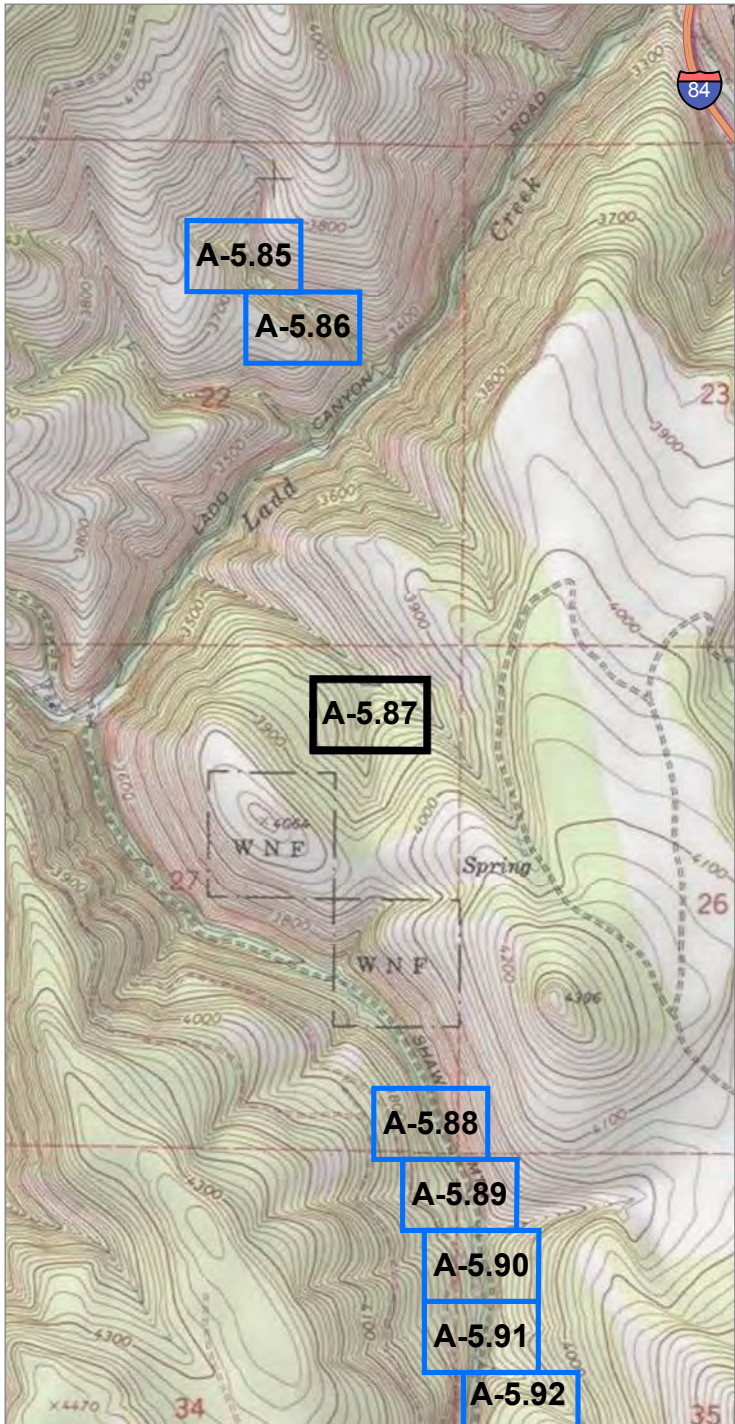
Flow Direction

IDAHO POWER
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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.86
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

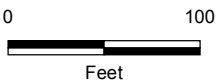
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Project Features

Site Boundary

Study Area

Study Area

Photo Type & Direction

NHD verification (Photo ID)

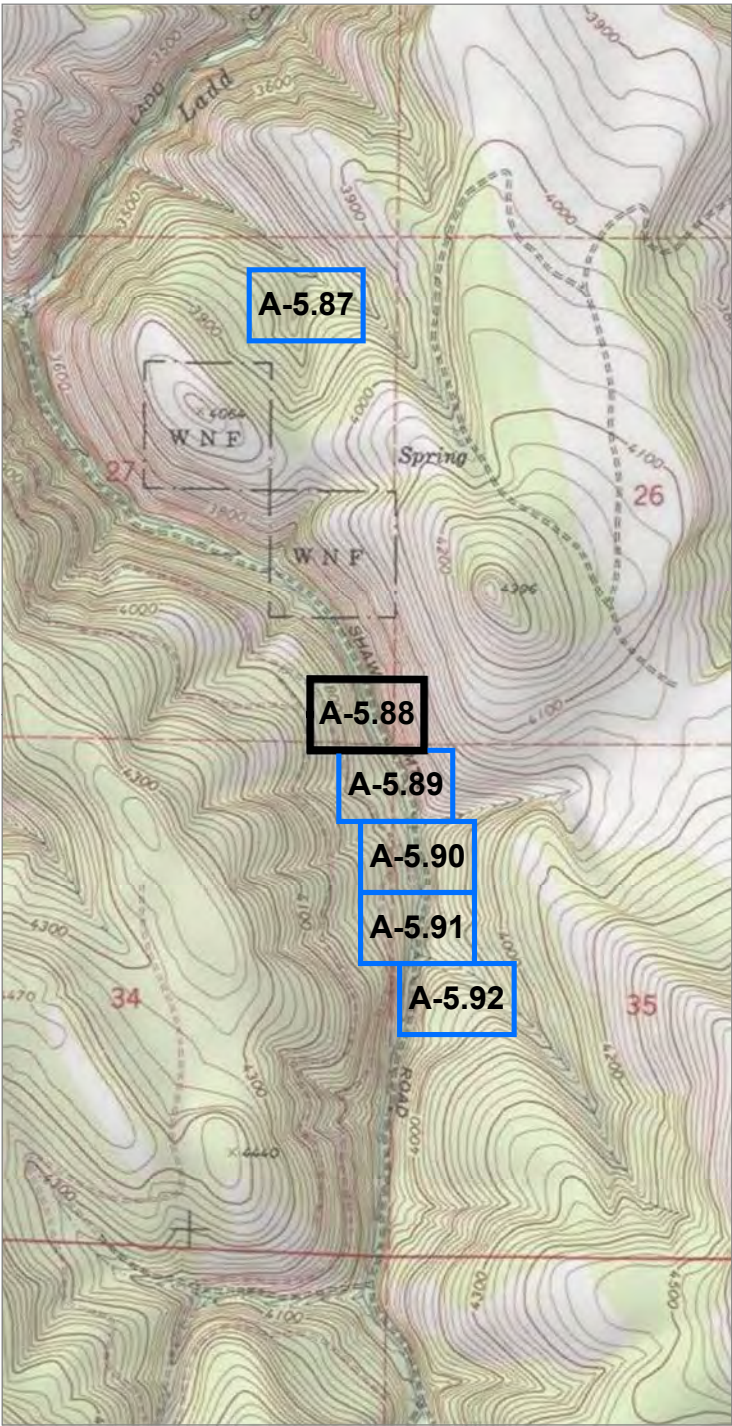
Upland swale (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.87
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.

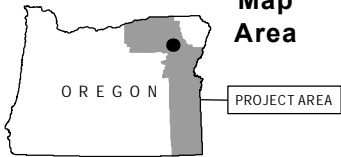
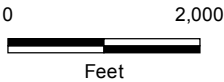
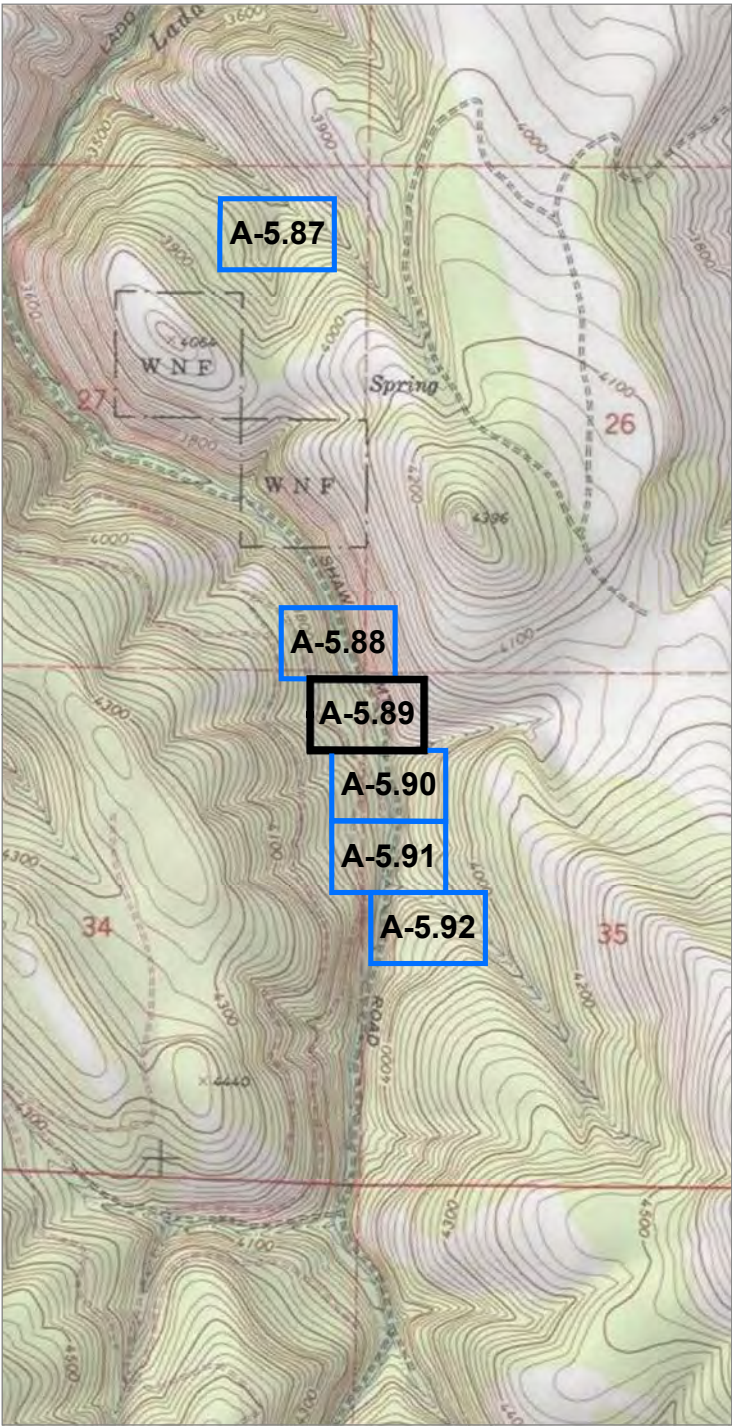


IDAHO POWER
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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.88
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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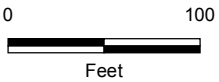
Map
Area

PROJECT AREA

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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Study Area

- Study Area
- Field Delineated Stream

Photo Type & Direction

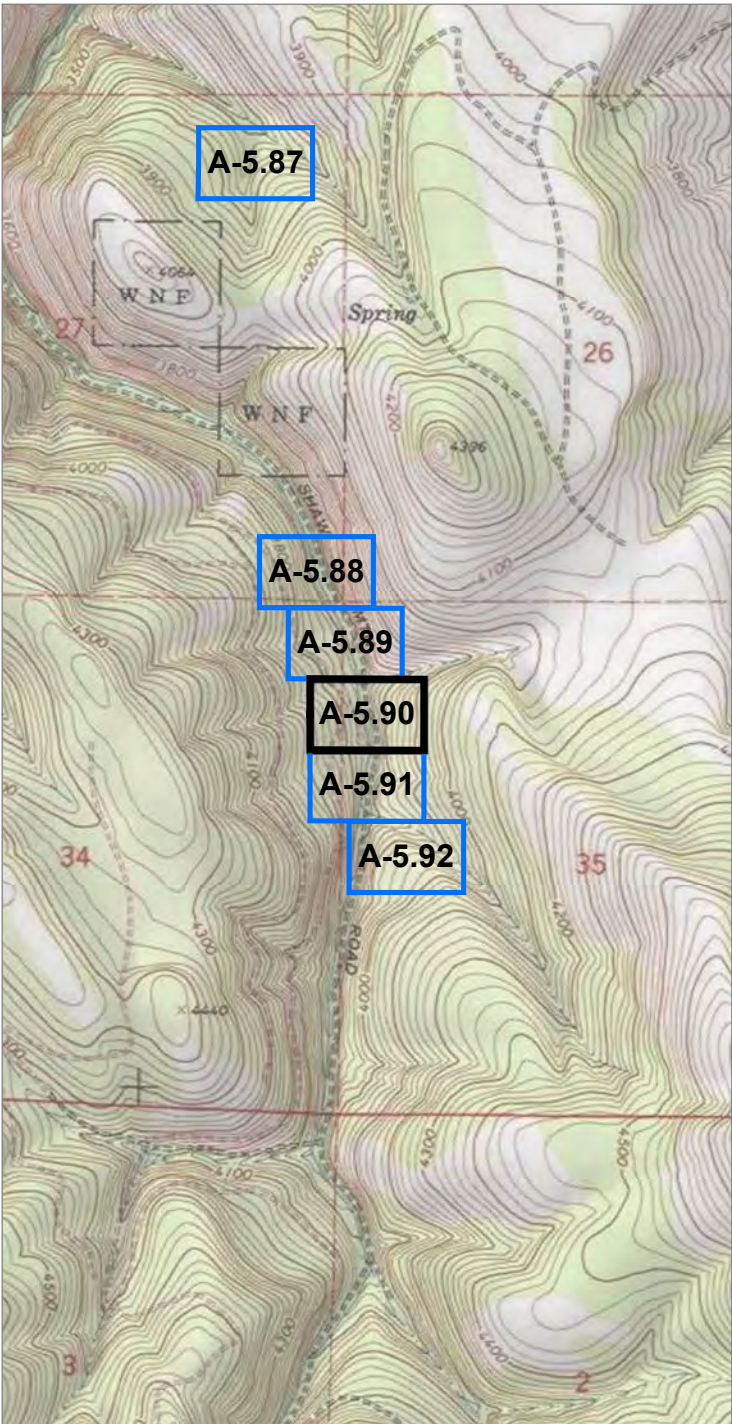
- Stream (Photo ID)
- Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.89
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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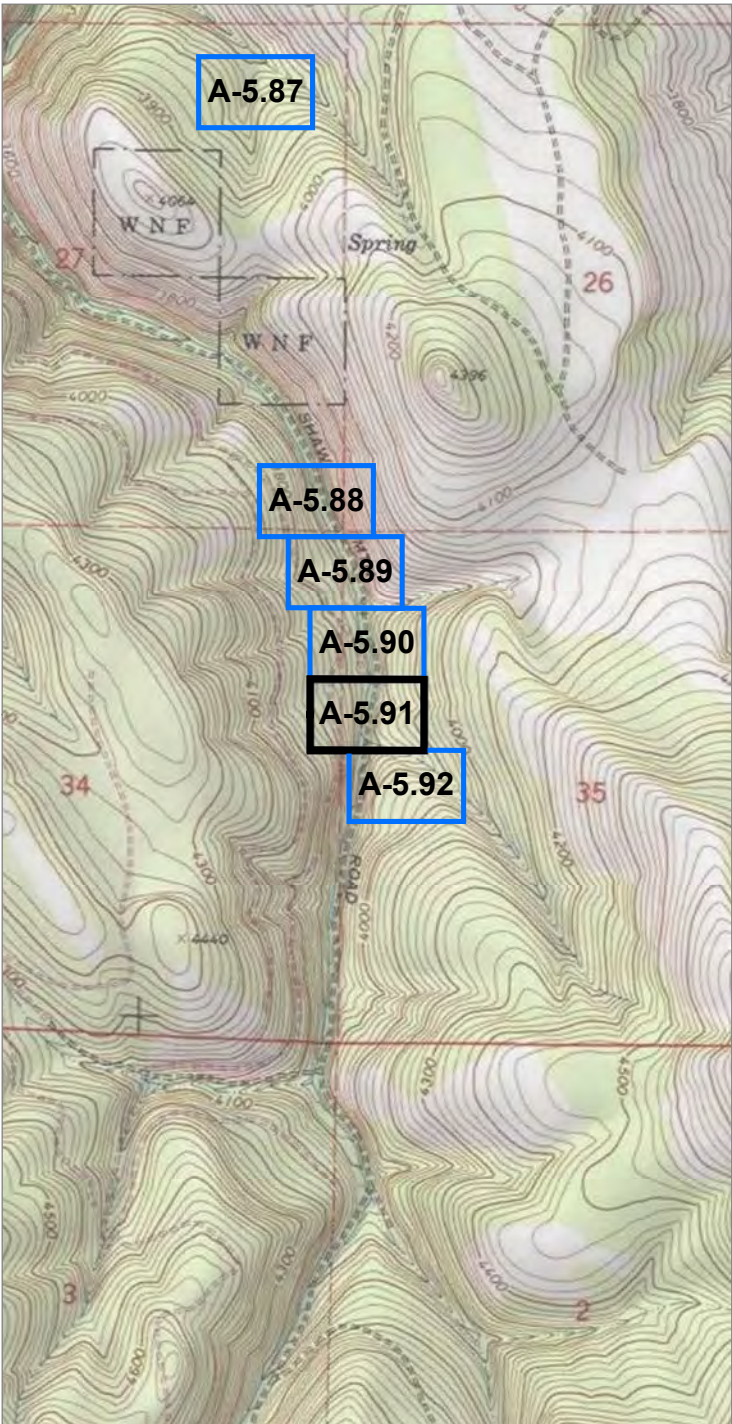


Study Area
Study Area
Field Delineated Stream
Flow Direction

IDAHO POWER
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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.90
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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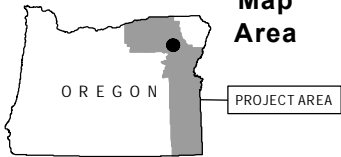
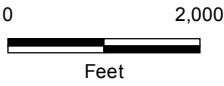
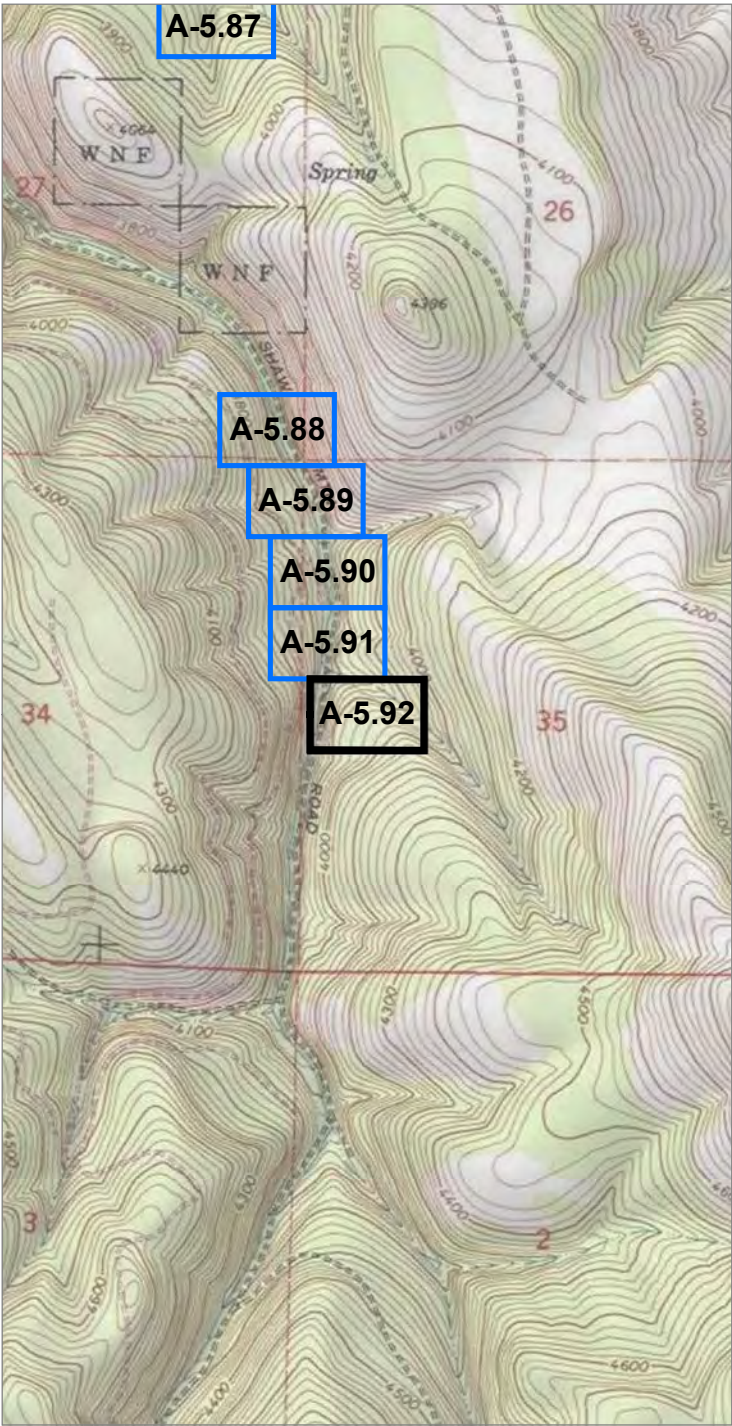
- Culvert
- Study Area
- Study Area
- Field Delineated Stream
- Photo Type & Direction
- Stream (Photo ID)
- Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.91 Wetland and Other Waters Delineation Report Detail Maps Union County

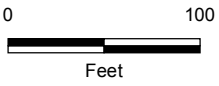
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

Notes:
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3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.



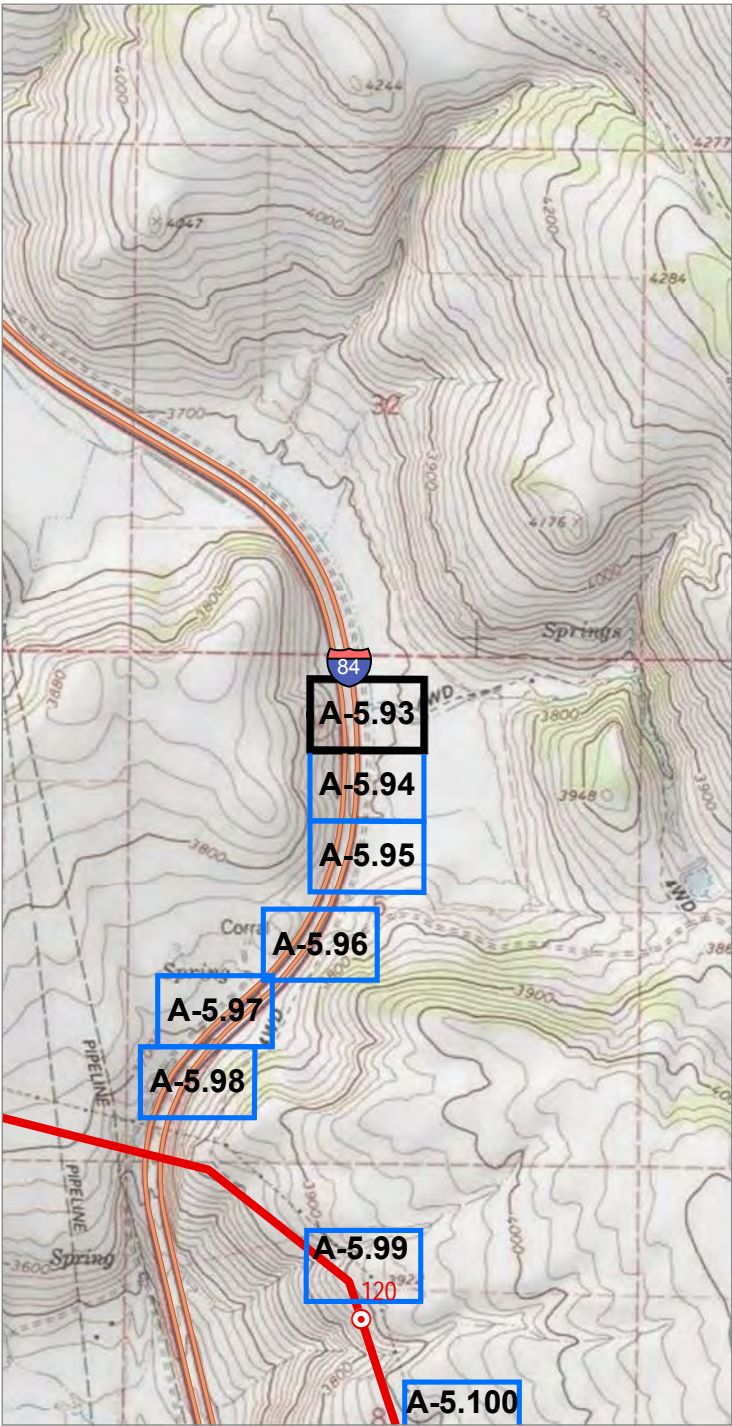
- Study Area**
- Study Area
 - Field Delineated Stream
 - Soil Plot
- Photo Type & Direction**
- Hydric soil verification (Photo ID)

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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.92
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

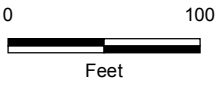
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Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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Study Area

- Study Area
- Field Delineated Wetland
- Soil Plot

Photo Type & Direction

- Wetland (Photo ID)

Other Features

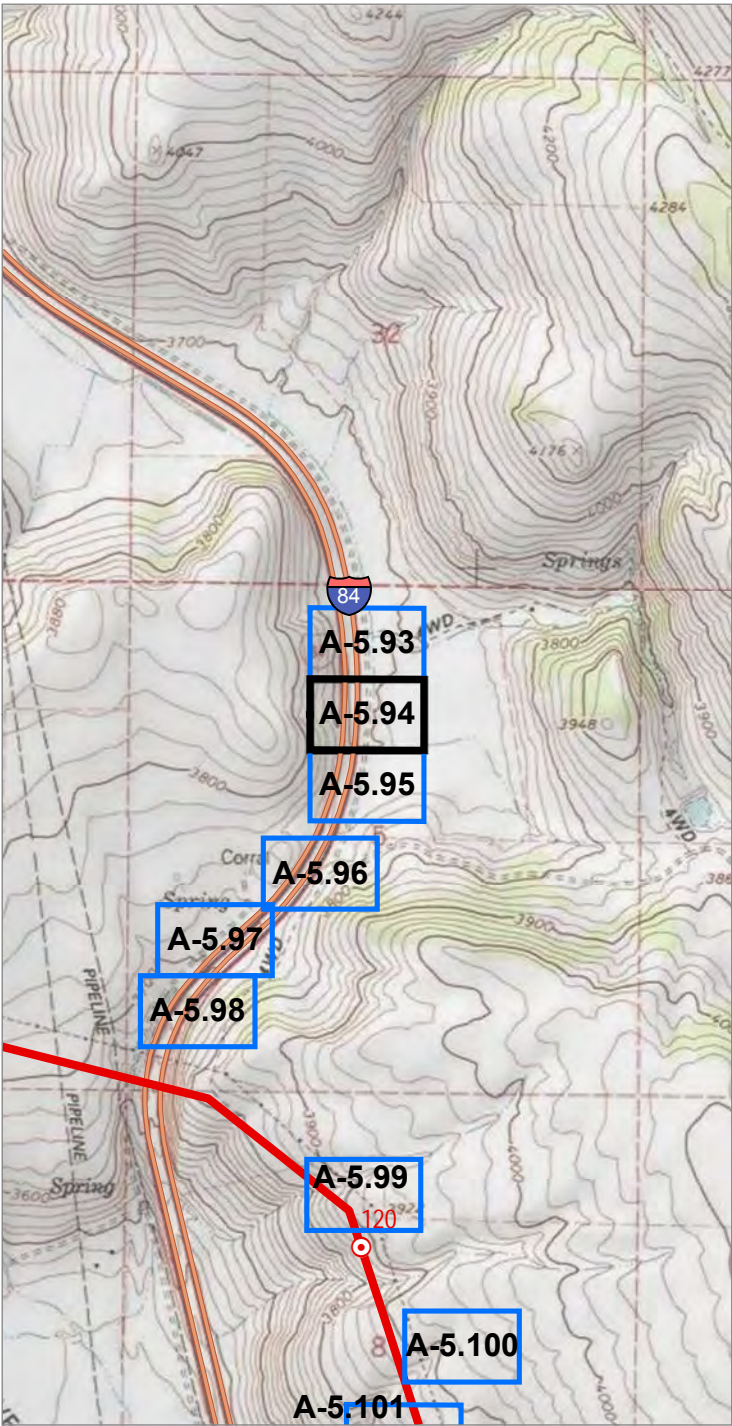
- Interstates or Highways



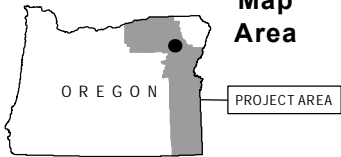
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.93
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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0 2,000
Feet



Map
Area

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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0 100
Feet

Study Area

- Study Area
- Field Delineated Stream
- Field Delineated Wetland

Photo Type & Direction

- Stream (Photo ID)
- Flow Direction

Other Features

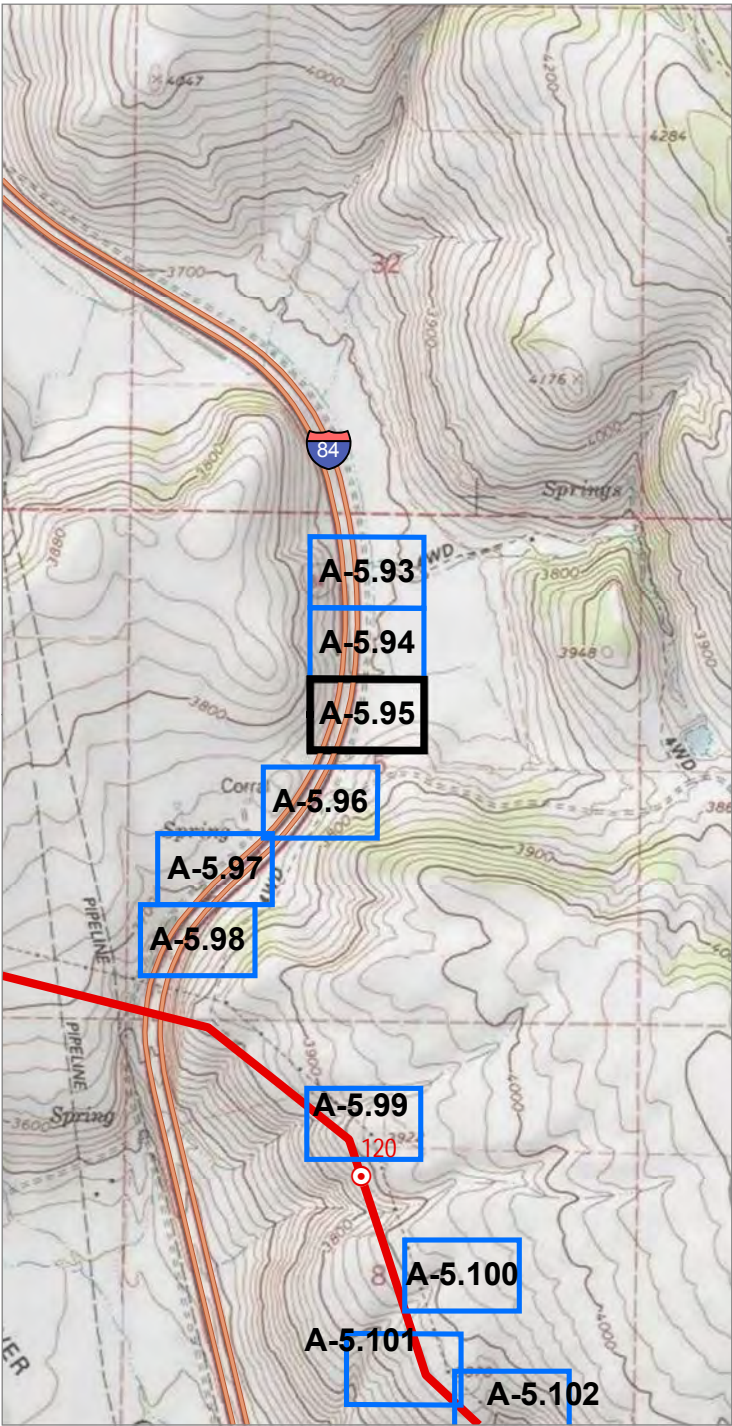
- Interstates or Highways



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.94
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

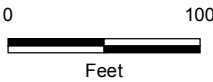
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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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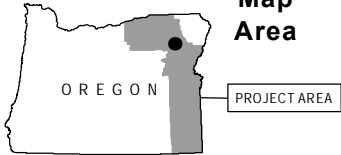
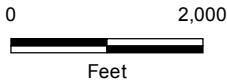
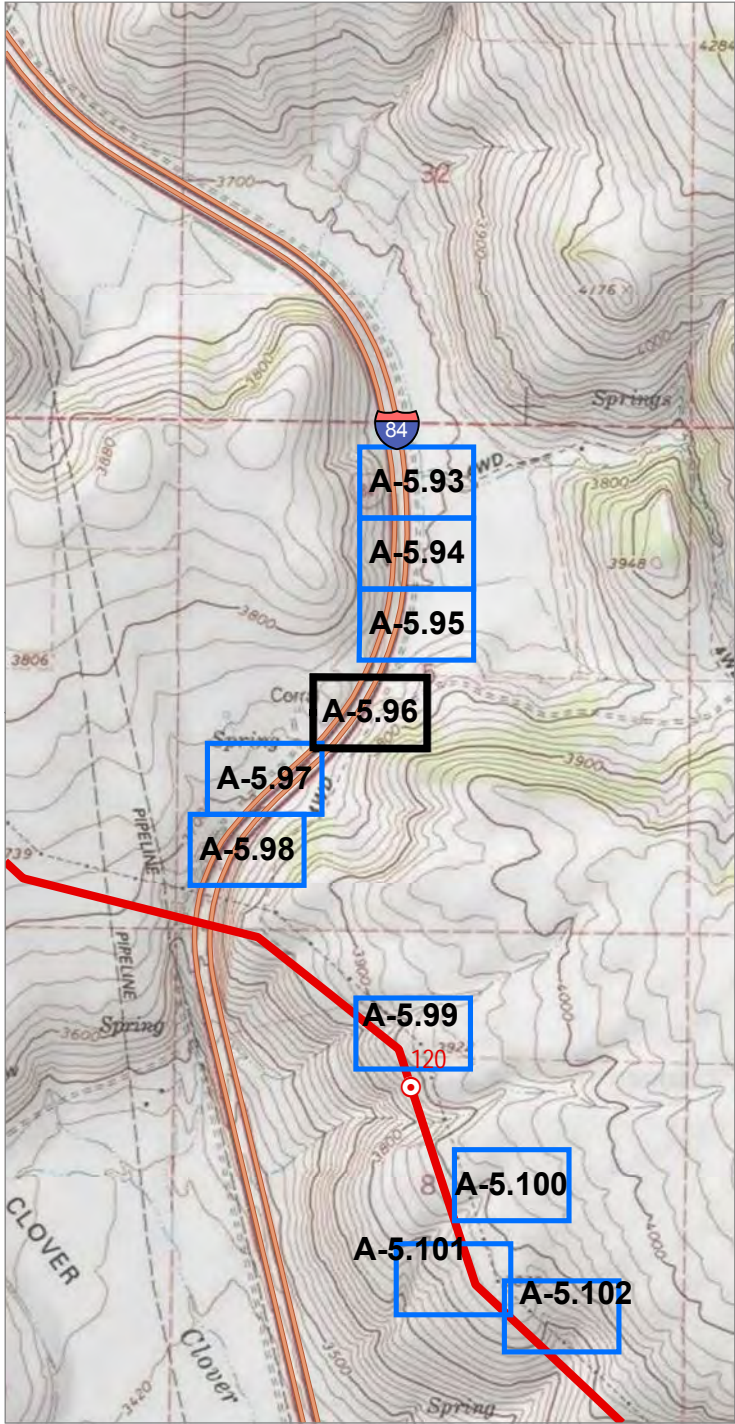
- Study Area**
- Study Area
 - Field Delineated Stream
 - Field Delineated Wetland
 - Soil Plot
- Photo Type & Direction**
- Stream (Photo ID)
 - Wetland (Photo ID)
- Other Features**
- Interstates or Highways
- Flow Direction**
- Flow Direction

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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.95
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

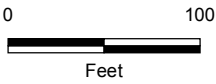
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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
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Project Features

Site Boundary

Study Area

Study Area

Soil Plot

Photo Type & Direction

Hydric soil verification (Photo ID)

Other Features

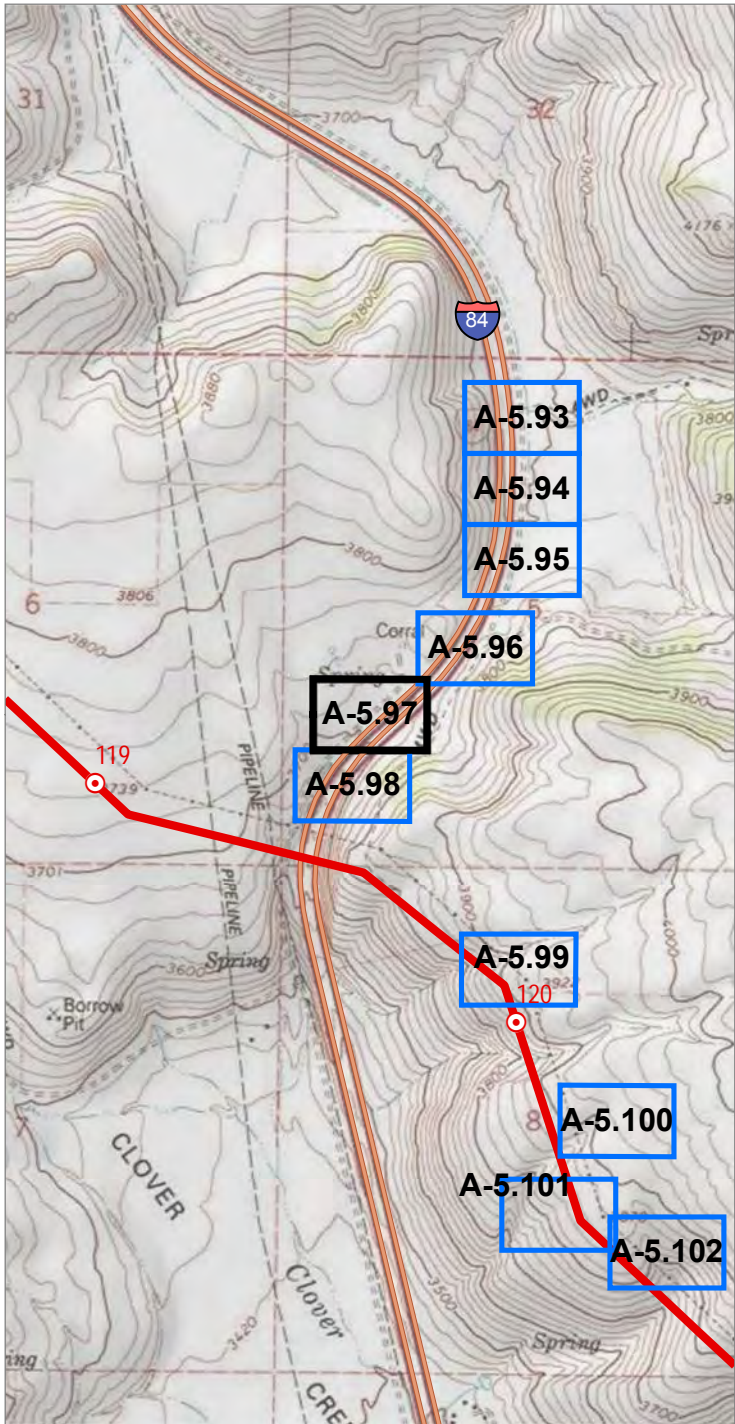
Interstates or Highways



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.96
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

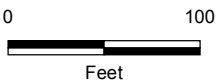
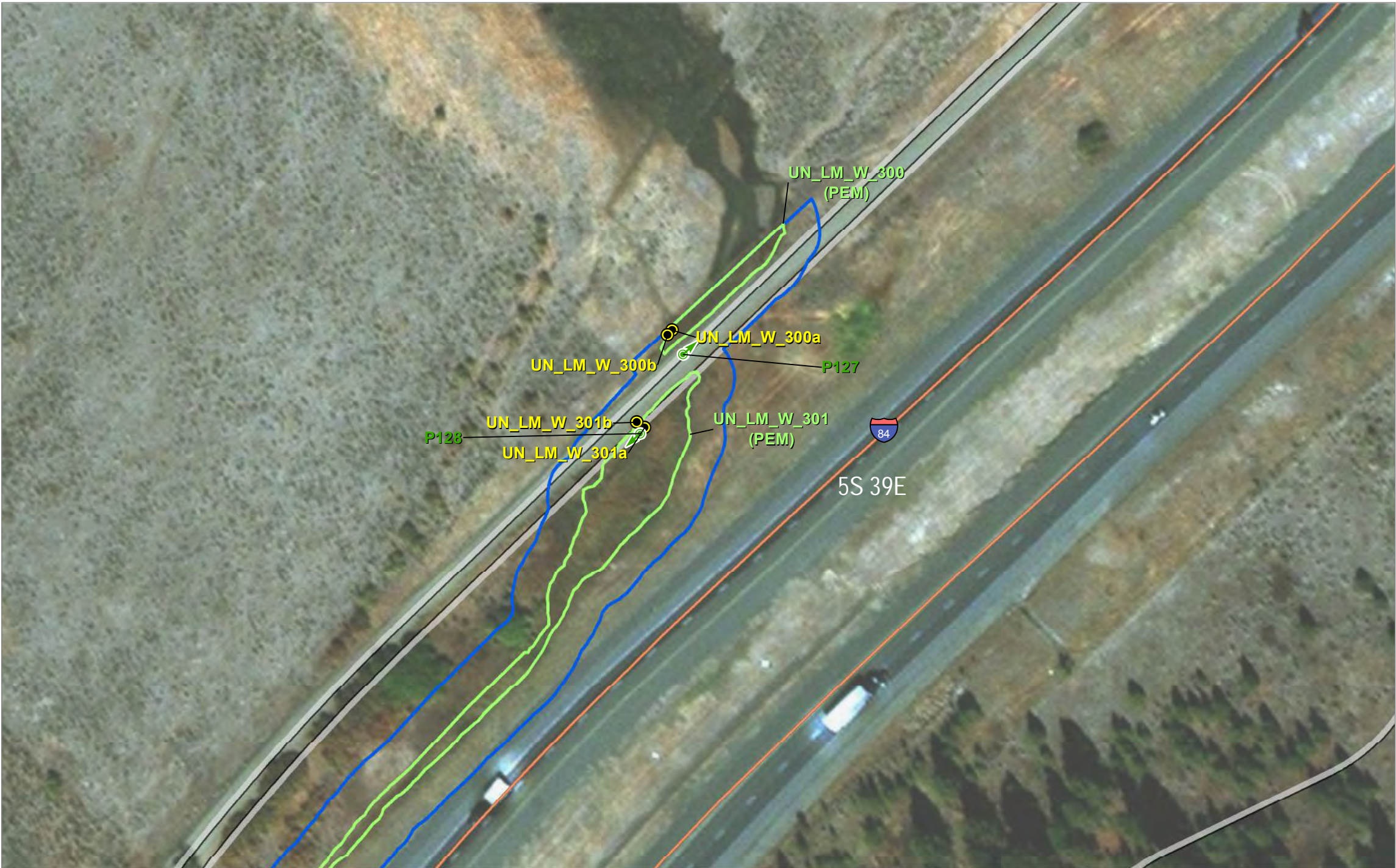
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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
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- Project Features**
- Site Boundary
- Study Area**
- Study Area
 - Field Delineated Wetland
 - Soil Plot
- Photo Type & Direction**
- Wetland (Photo ID)
- Other Features**
- Interstates or Highways

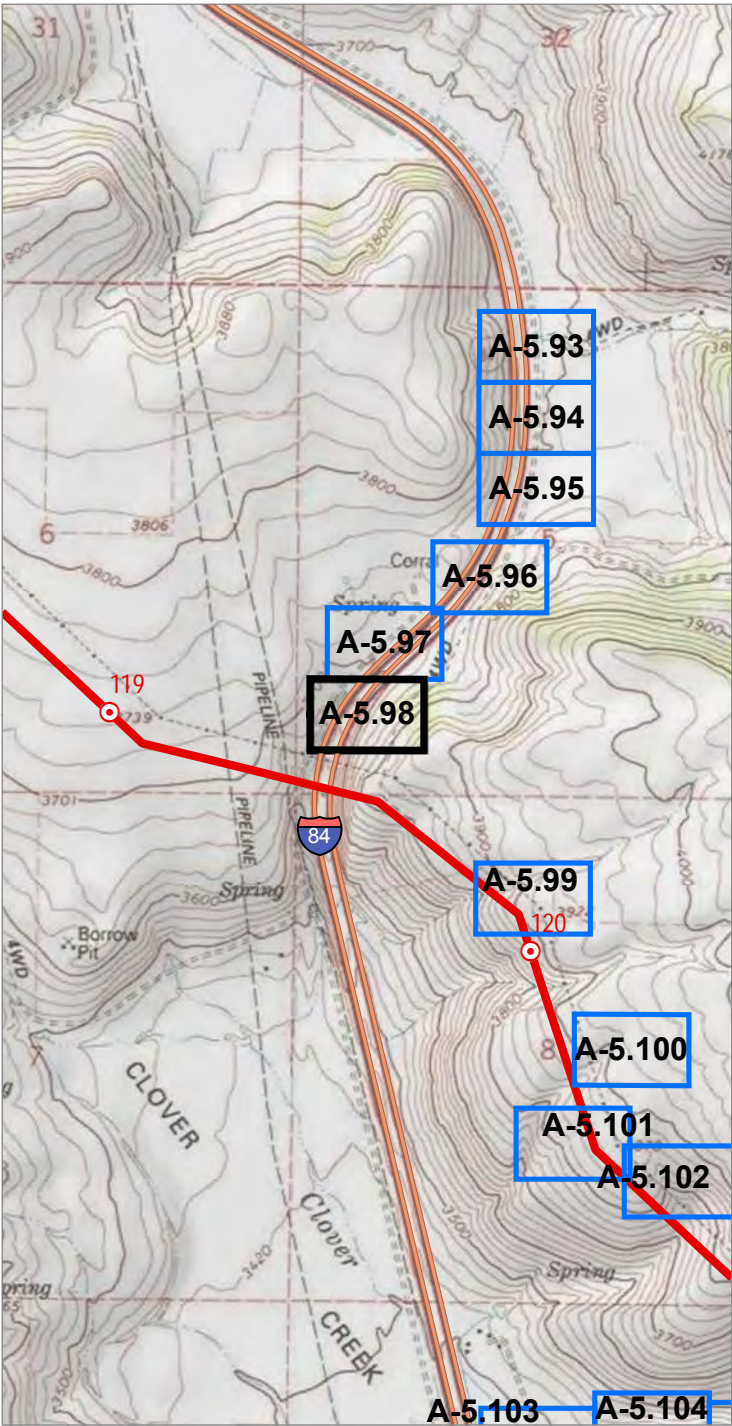
UN_LM_W_301 is completely contained within the Study Area

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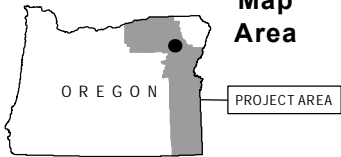
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.97
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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0 2,000
Feet



Map
Area

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
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0 100
Feet

Project Features

Site Boundary

Study Area

Study Area

Field Delineated Stream

Field Delineated Wetland

Soil Plot

Photo Type & Direction

Hydric soil verification
(Photo ID)

Stream (Photo ID)

Wetland (Photo ID)

Other Features

Interstates or Highways

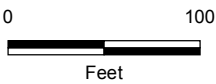
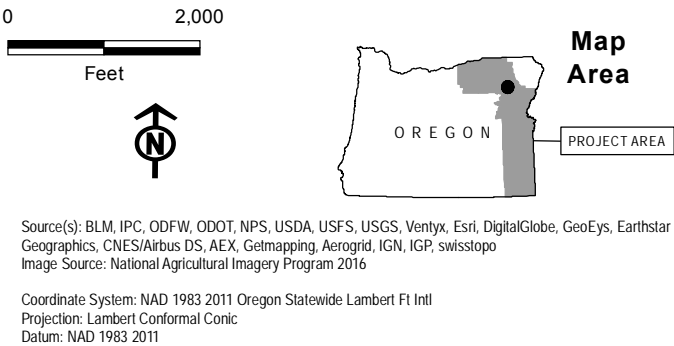
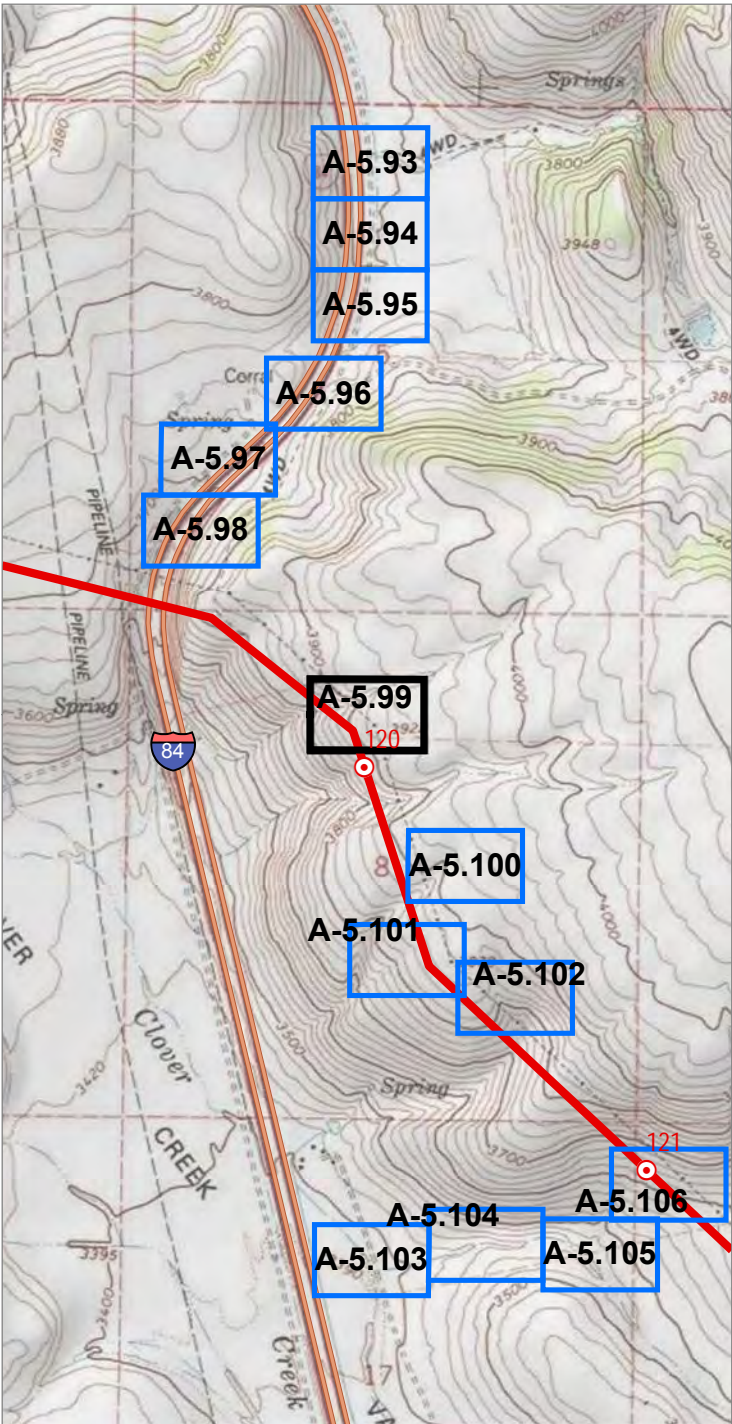
UN_LM_W_301, UN_LM_W_302 are completely contained within the Study Area



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.98
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

* All delineated wetlands and other waters are considered to extend outside
of the study areas unless otherwise noted. Delineated wetlands and other
waters that are completely contained within the study areas are noted in
the figure legend by their feature names.



Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area
- Soil Plot

Photo Type & Direction

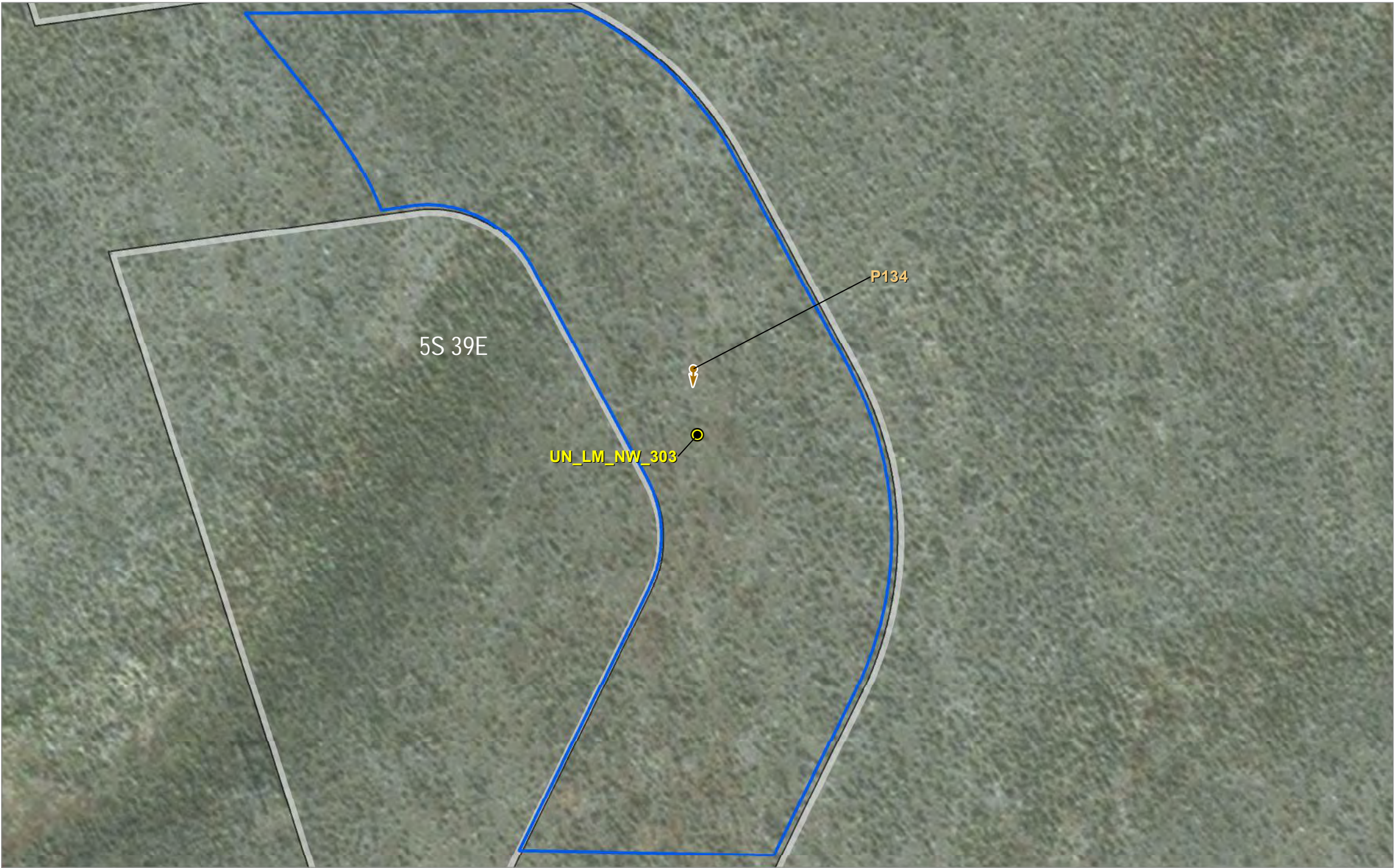
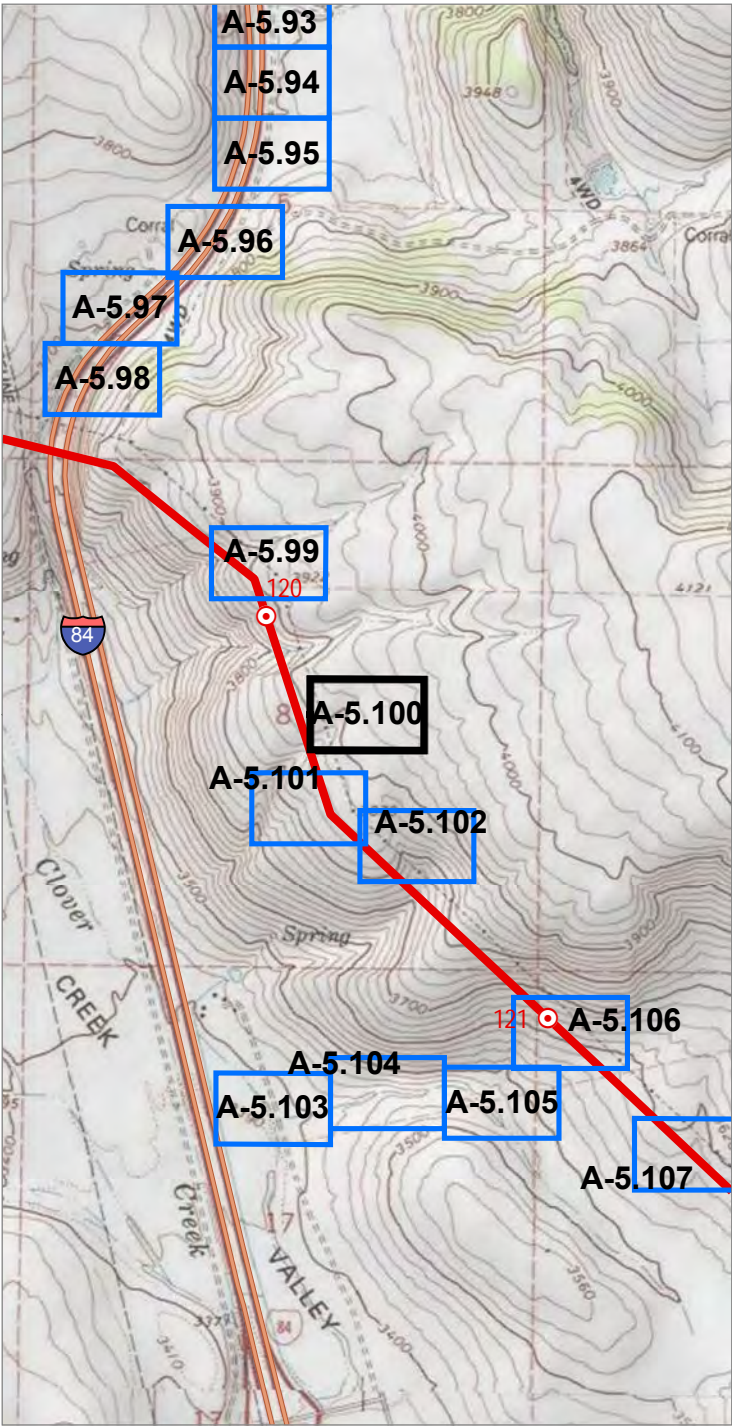
- Hydric soil verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.99
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Int'l
Projection: Lambert Conformal Conic
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Project Features

Site Boundary

Study Area

Study Area

Soil Plot

Photo Type & Direction

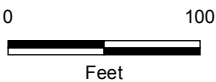
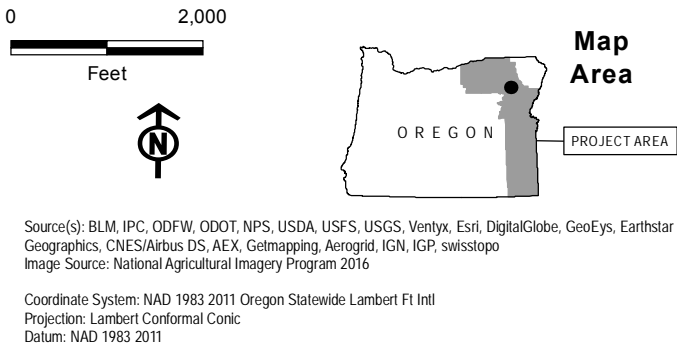
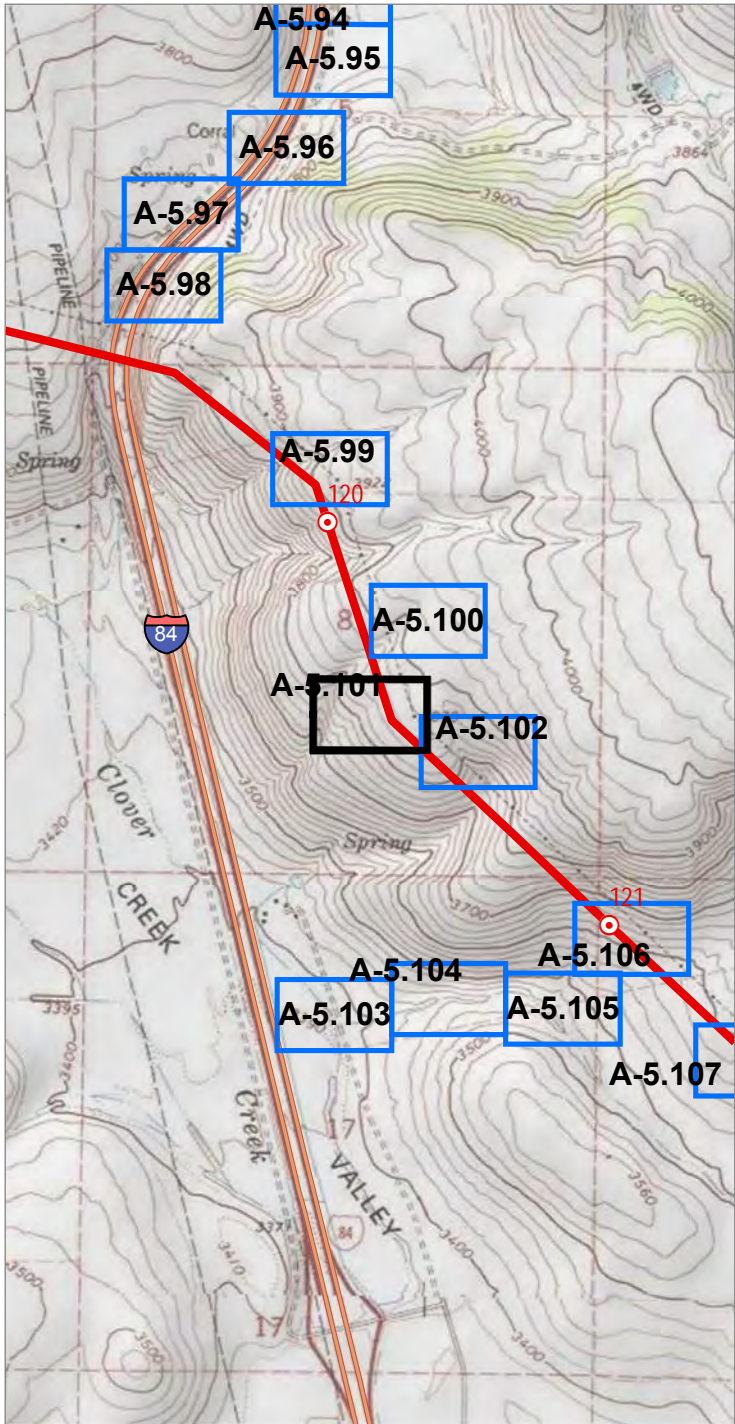
Hydric soil verification
(Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.100
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area
- Soil Plot

Photo Type & Direction

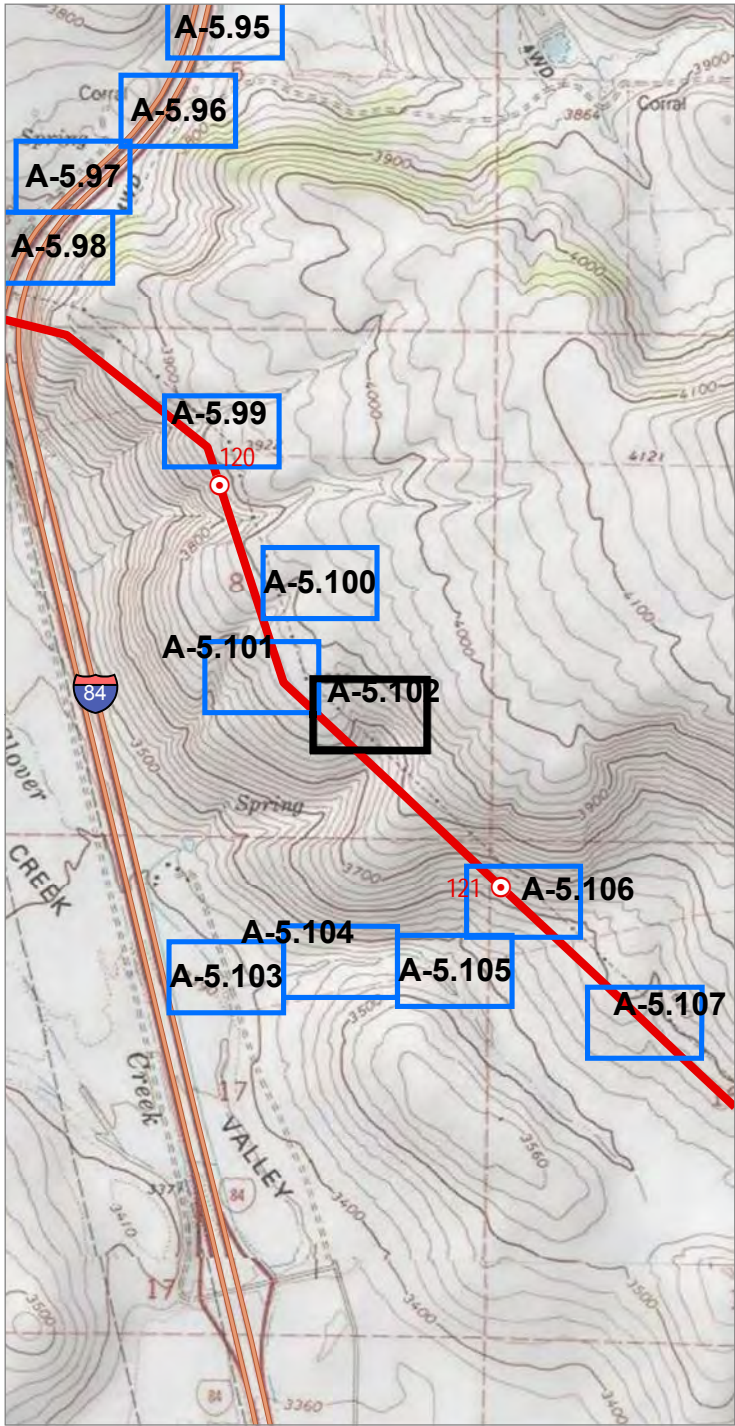
- Hydric soil verification (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.101
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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0 2,000
Feet

Map Area

OREGON
PROJECT AREA

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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0 100
Feet

Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area
- Field Delineated Stream

Photo Type & Direction

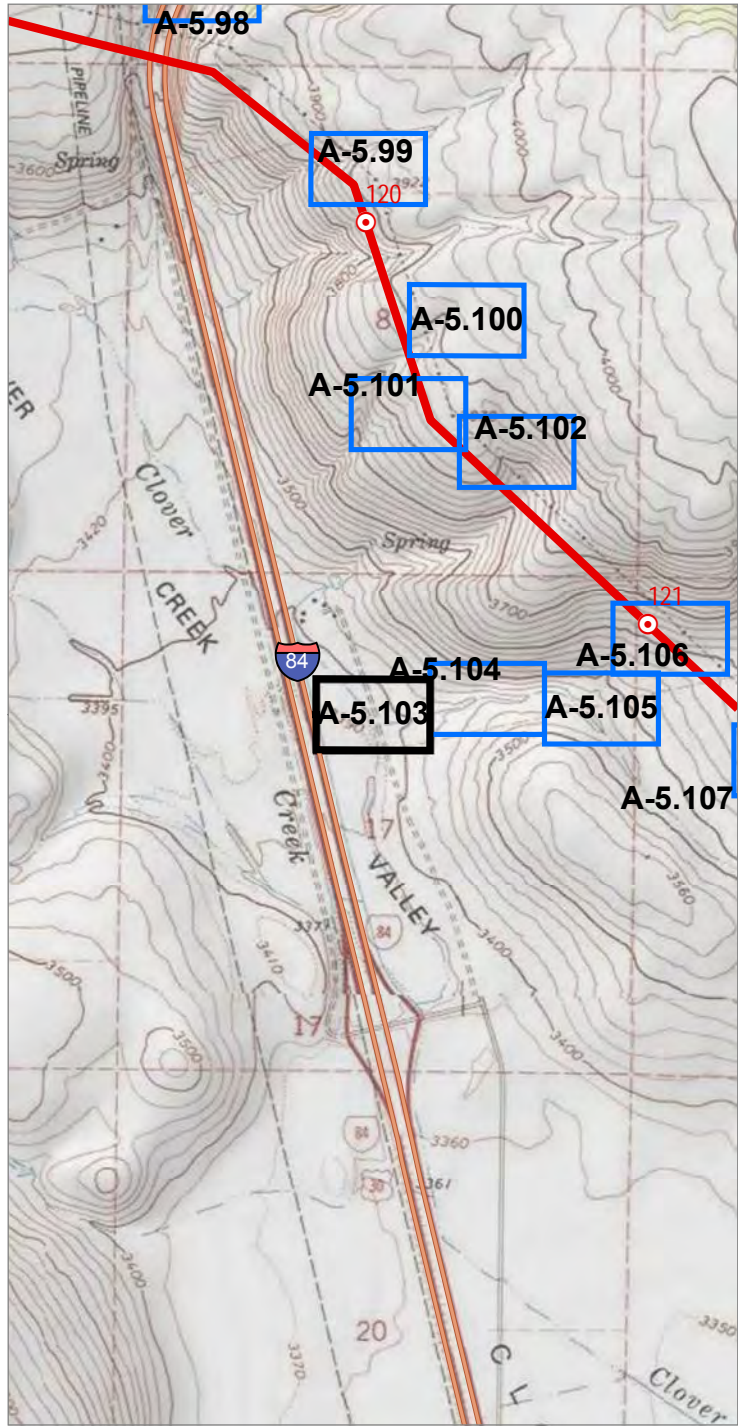
- Stream (Photo ID)
- Flow Direction

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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.102
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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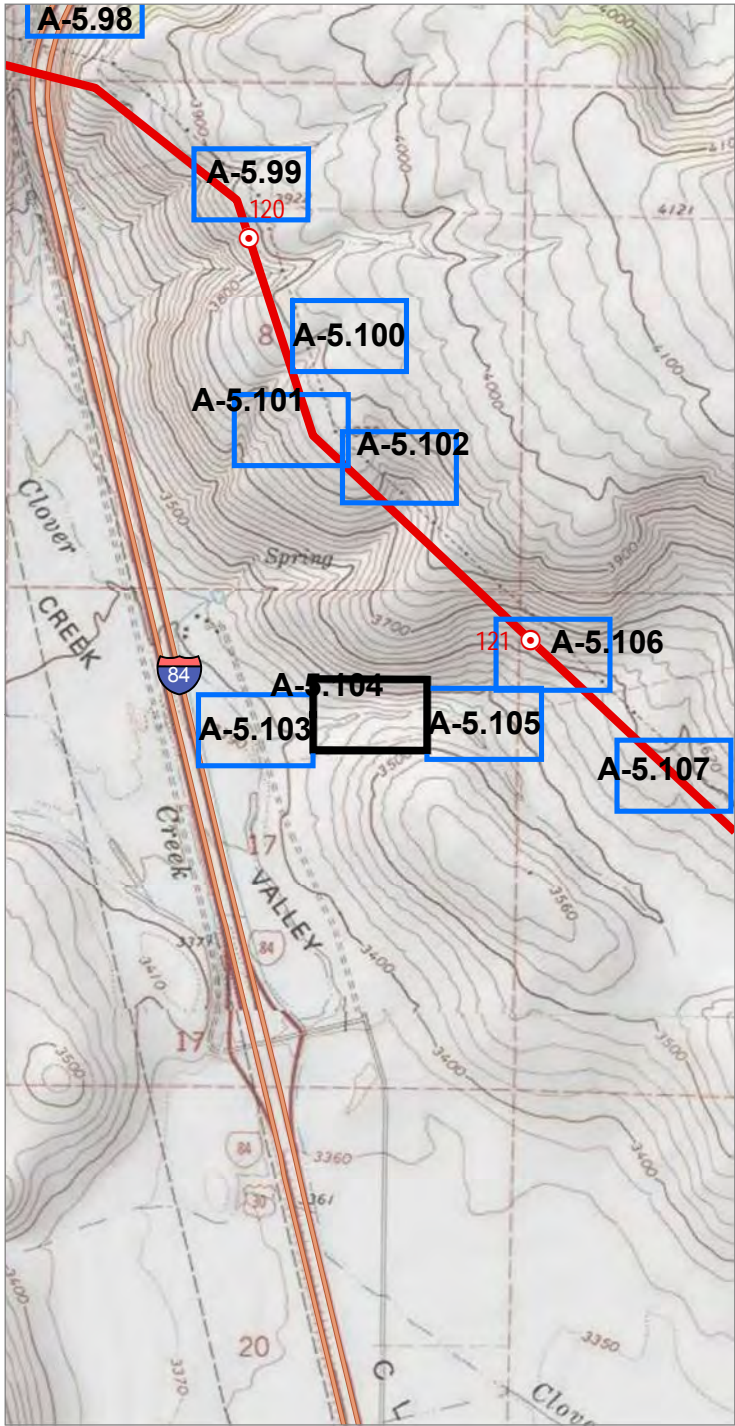


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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.103
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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Project Features

Site Boundary

Study Area

Study Area

Field Delineated Stream

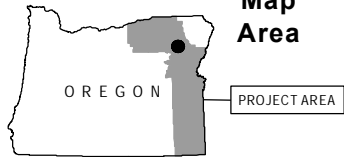
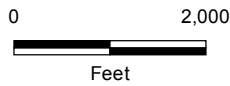
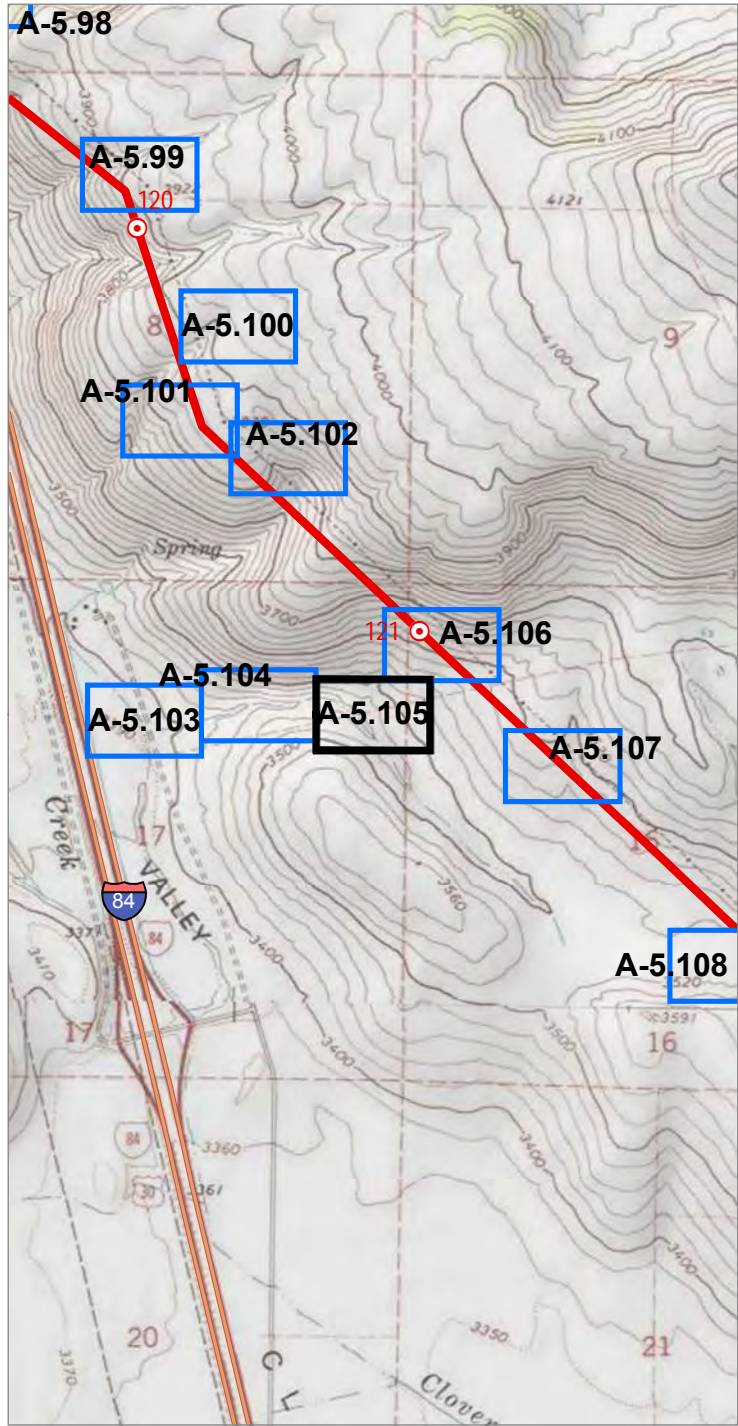
Flow Direction



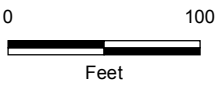
Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.104
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

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Map
Area



Project Features

Site Boundary

Study Area

Study Area

Field Delineated Stream

Soil Plot

Photo Type & Direction

Hydric soil verification
(Photo ID)

Stream (Photo ID)

Flow Direction



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

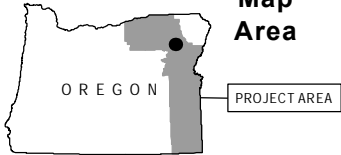
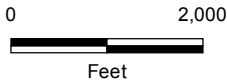
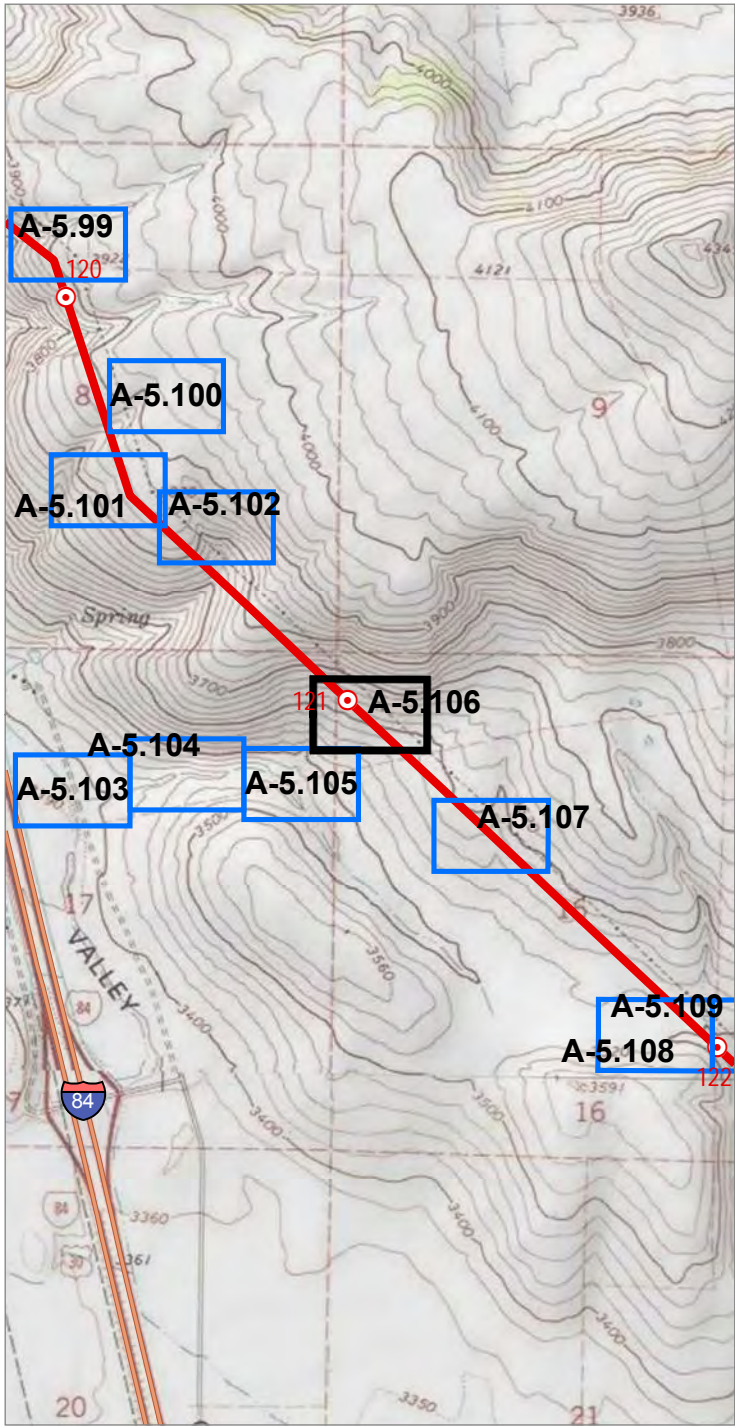
Figure A-5.105
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar
Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

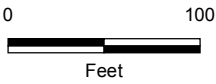
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2. Access information was compiled from tax lot data and right of entry consent obtained from Land Services, Inc.
3. Wetland and stream channel boundary, plot, and bank location were collected using survey grade GPS devices
and post-processed to remove additional error. Mapped features are within +/- 1 meter of ground location.

* All delineated wetlands and other waters are considered to extend outside
of the study areas unless otherwise noted. Delineated wetlands and other
waters that are completely contained within the study areas are noted in
the figure legend by their feature names.



Map
Area



Project Features

- Site Boundary
- Proposed Route

Mileposts

- Mile
- Tenth-mile

Study Area

- Study Area
- Soil Plot

Photo Type & Direction

- Hydric soil verification (Photo ID)

Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Int'l
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

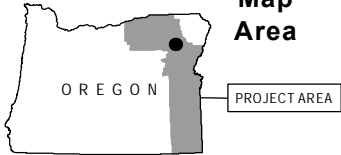
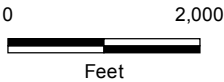
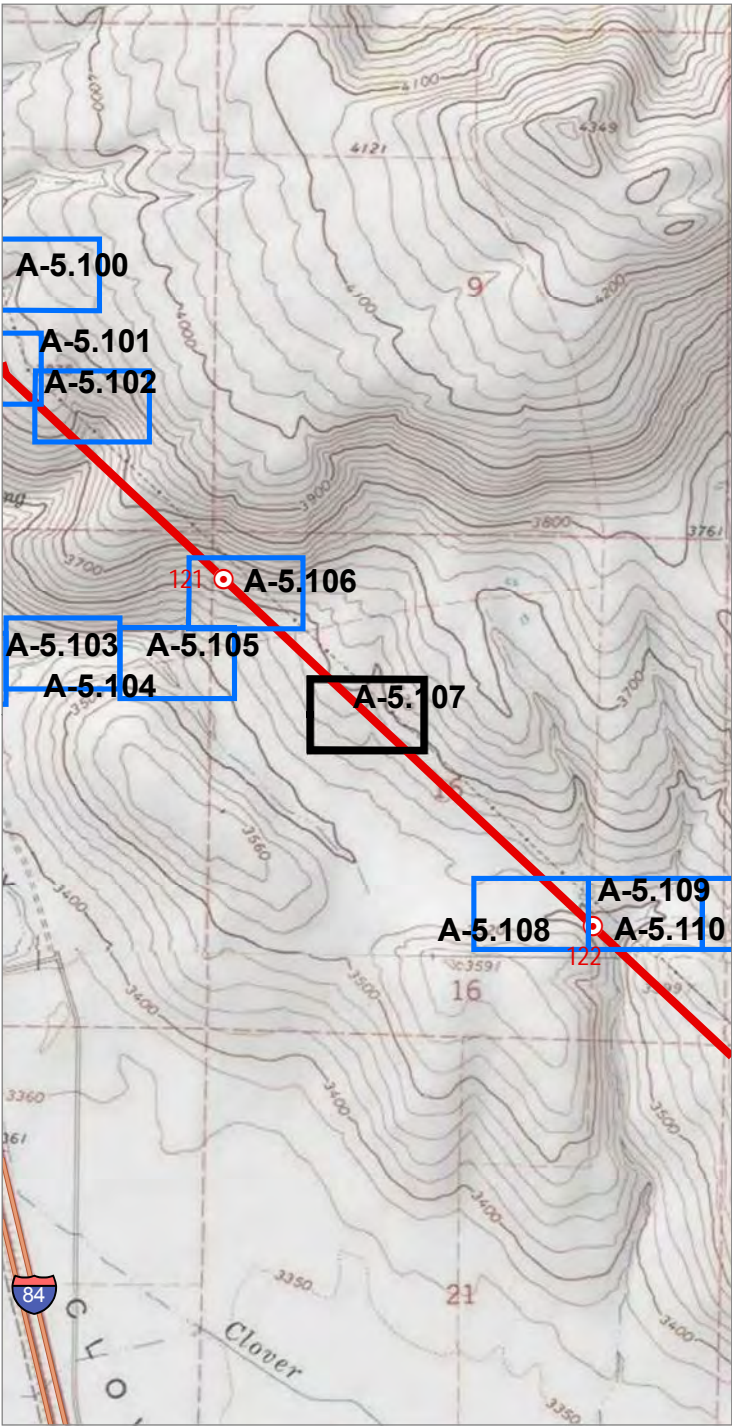
Notes:
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Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.106
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

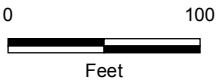
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Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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Project Features

Site Boundary

Proposed Route

Mileposts

Tenth-mile

Study Area

Study Area

Photo Type & Direction

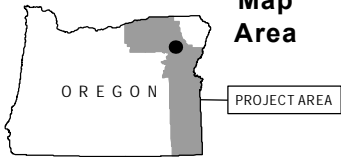
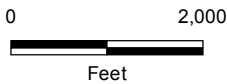
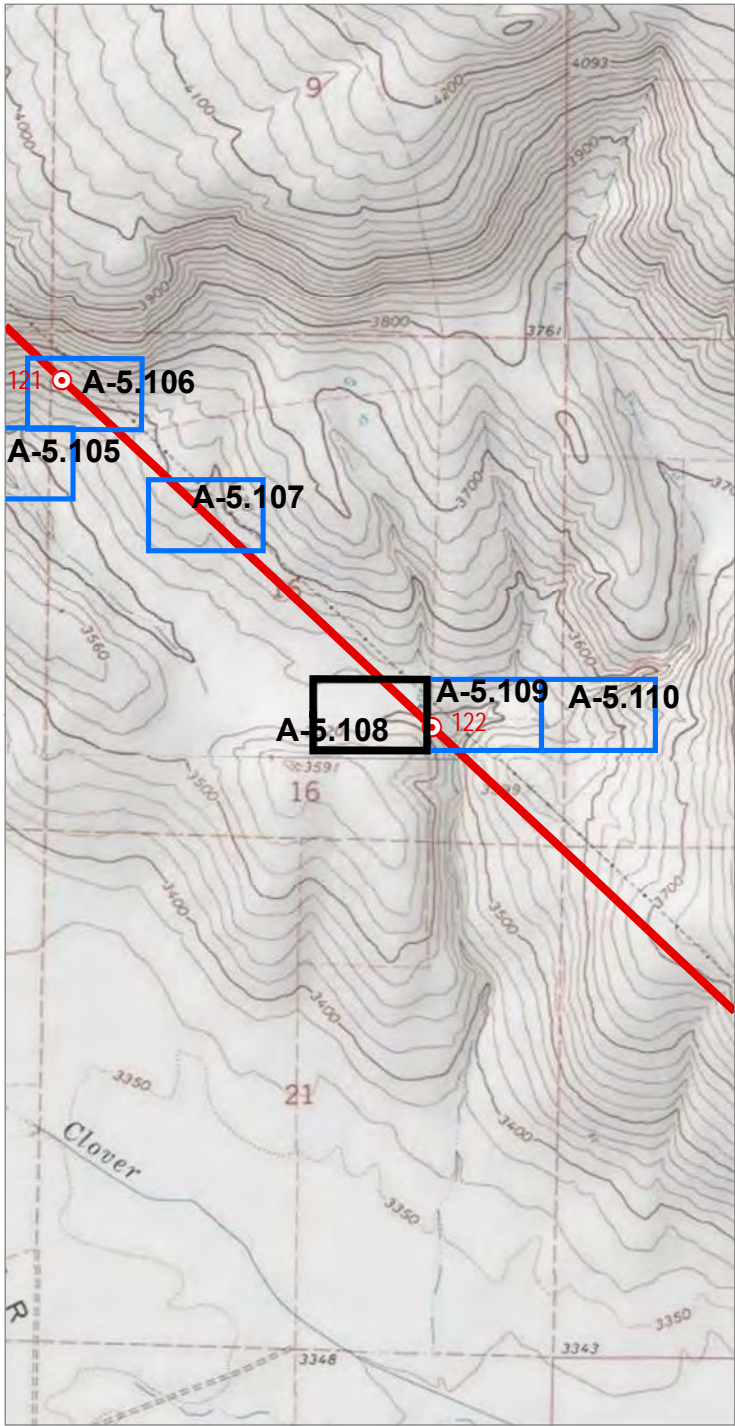
Upland swale (Photo ID)



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.107
Wetland and Other Waters
Delineation Report
Detail Maps
Union County

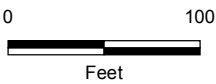
* All delineated wetlands and other waters are considered to extend outside of the study areas unless otherwise noted. Delineated wetlands and other waters that are completely contained within the study areas are noted in the figure legend by their feature names.



Source(s): BLM, IPC, ODFW, ODOT, NPS, USDA, USFS, USGS, Ventyx, Esri, DigitalGlobe, GeoEys, Earthstar Geographics, CNES/Airbus DS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo
Image Source: National Agricultural Imagery Program 2016

Coordinate System: NAD 1983 2011 Oregon Statewide Lambert Ft Intl
Projection: Lambert Conformal Conic
Datum: NAD 1983 2011

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Project Features

- Site Boundary
- Proposed Route

Mileposts

- Tenth-mile

Study Area

- Study Area
- Field Delineated Stream
- Field Delineated Wetland
- Soil Plot

Photo Type & Direction

- Hydric soil verification (Photo ID)
- Stream (Photo ID)
- Flow Direction

UN_LM_POND_300 is completely contained within the Study Area



Boardman to Hemingway
Transmission Line Project
Application for Site Certificate

Figure A-5.108 Wetland and Other Waters Delineation Report Detail Maps Union County

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