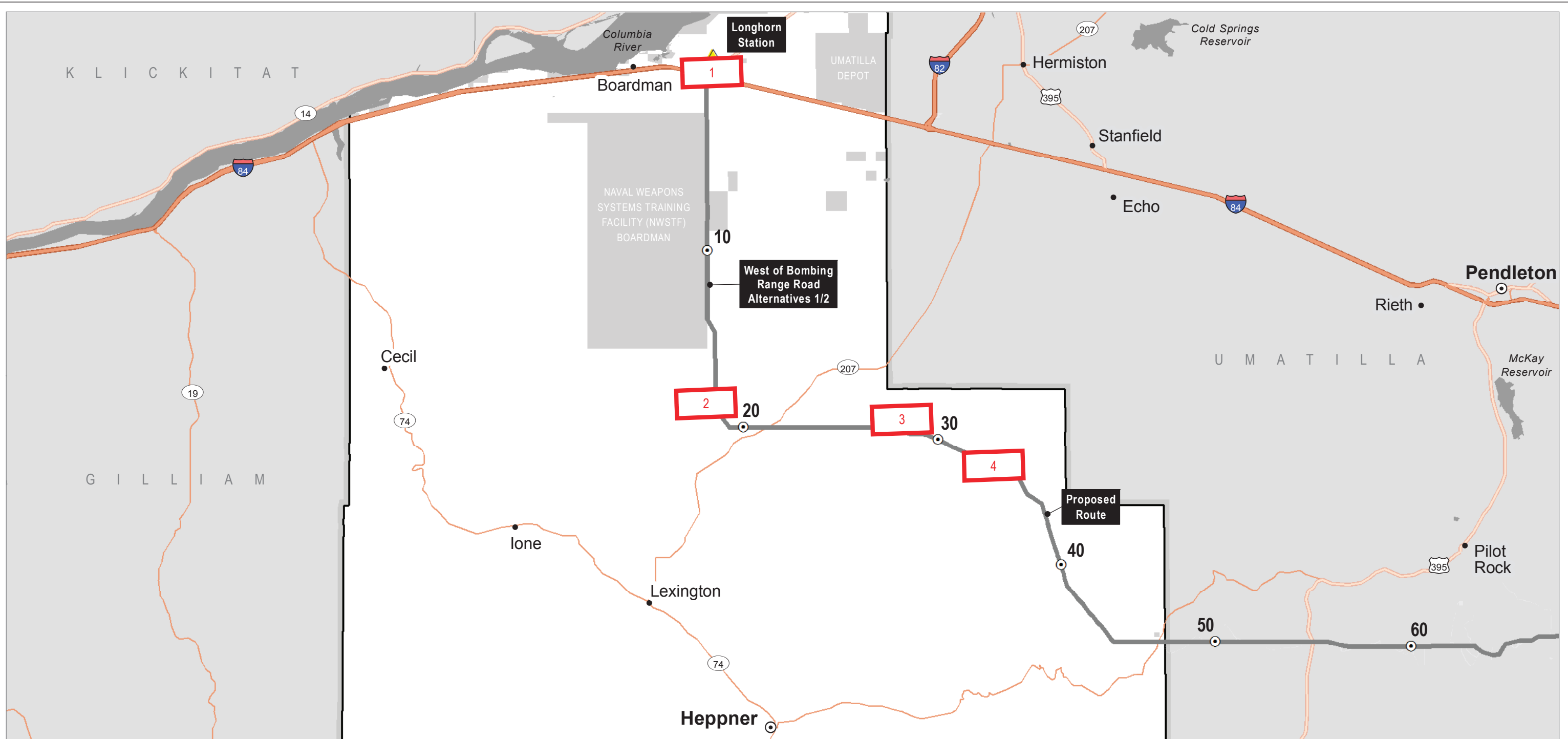


**ATTACHMENT X-5
AERIAL MAPS SHOWING NOISE SENSITIVE RECEPTORS
PREDICTED TO EXCEED AMBIENT DEGRADATION STANDARD**

Table of Contents

B2HAPP Attachment X-5 Maps - All NSRs and NSR Exceedances	2
1 Extracted pages from B2HAPPD0c3-41 ASC 24_Exhibit X_Noise_ASC 2018-09-28	2
2 B2HAPP Attachment NSR Map	3
B2HAPPD0c3-58 ASC Exhibit X - Errata Info 2019-03-28	45
B2HAPP Attachment X-5_Attachment 1 Maps - DPO Response Additional NSR Exceedances	50



Boardman to Hemingway Transmission Line Project
Application for Site Certificate



**Attachment X-1
Noise Sensitive Receptors**

Morrow County

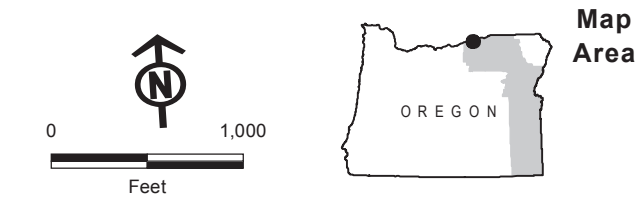
Map Index

Map Index

Location Map (Map #)

Source(s): BLM, IPC, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\Index_Morrow.mxd



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

- Noise Sensitive Receptors**
- No Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile

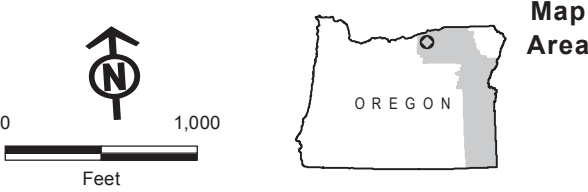
- Land Status**
- Bureau of Land Management
 - Bureau of Reclamation
 - Private
- Other Features**
- 100-foot Contours
 - Existing Transmission Lines
 - Interstate
 - Highway

- Road
- Railroad
- Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors
Morrow County
Map 1



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

- Noise Sensitive Receptors

 - No Exceedance
- Project Features

 - Site Boundary
 - Transmission Centerline
- Mileposts

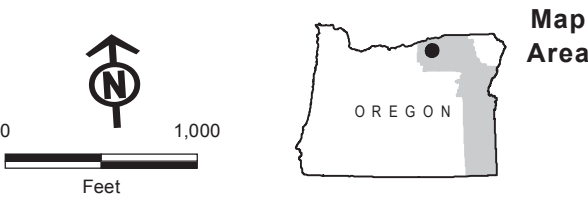
 - Mile
 - Tenth-mile
- Land Status

 - Private
- Other Features

 - 100-foot Contours
 - Road
 - Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate





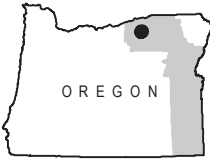
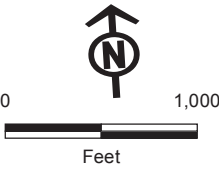
Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

- Noise Sensitive Receptors**
- No Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Private
- Other Features**
- 100-foot Contours
 - Road
 - Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate

IDAHO POWER
An IDACORP Company



Map Area

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

- Noise Sensitive Receptors

 - No Exceedance
- Project Features

 - Site Boundary
 - Transmission Centerline
- Mileposts

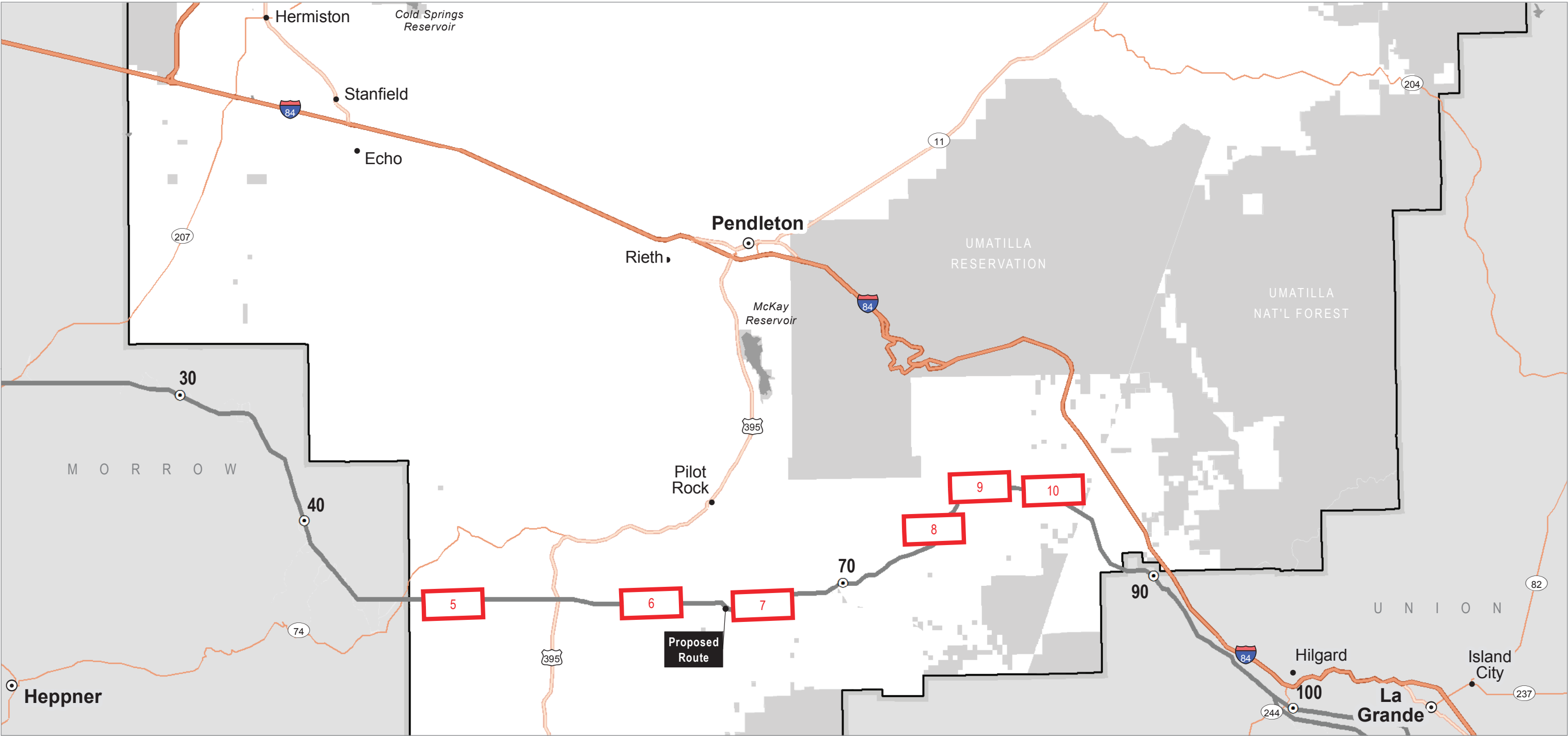
 - Mile
 - Tenth-mile
- Land Status

 - Private
- Other Features

 - 100-foot Contours
 - Road
 - Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate





Boardman to Hemingway Transmission Line Project
Application for Site Certificate



**Attachment X-1
Noise Sensitive Receptors**

Umatilla County

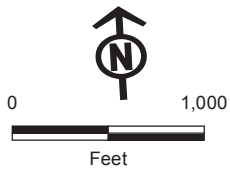
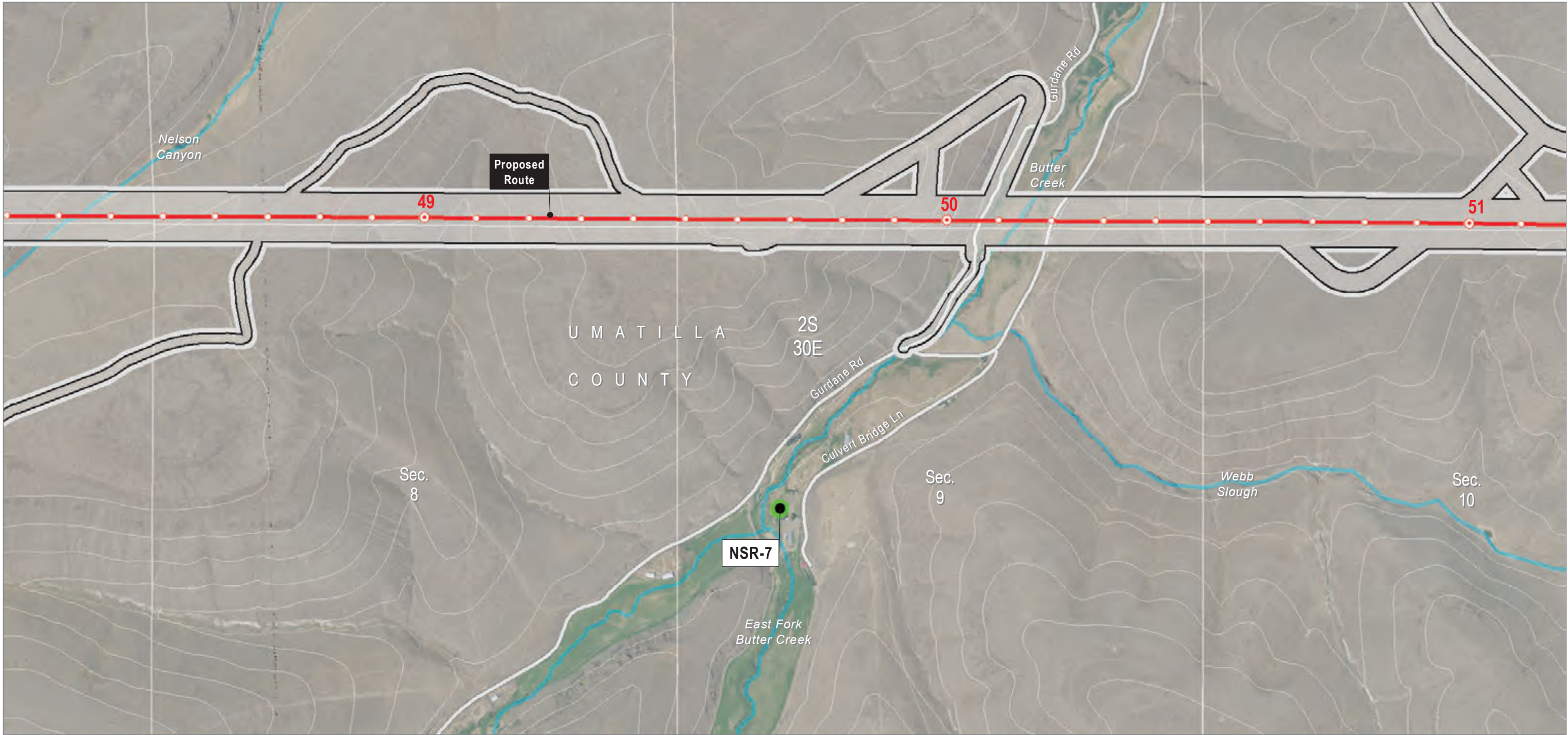
Map Index

Map Index

Location Map (Map #)



Source(s): BLM, IPC, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\Index_Umatilla.mxd



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

Noise Sensitive
Receptors

No Exceedance

Project Features

Site Boundary

Transmission Centerline

Mileposts

Mile

Tenth-mile

Land Status

Private

Other Features

100-foot Contours

Road

Stream

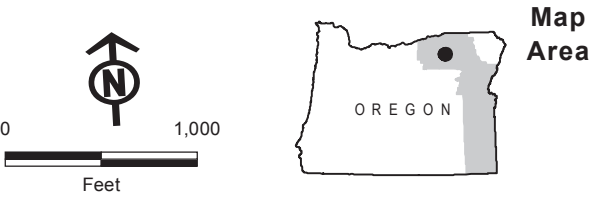
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



**Attachment X-1
Noise Sensitive Receptors**

Umatilla County

Map 5

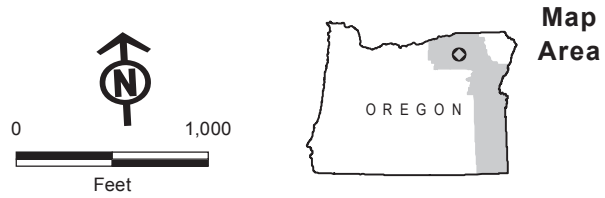
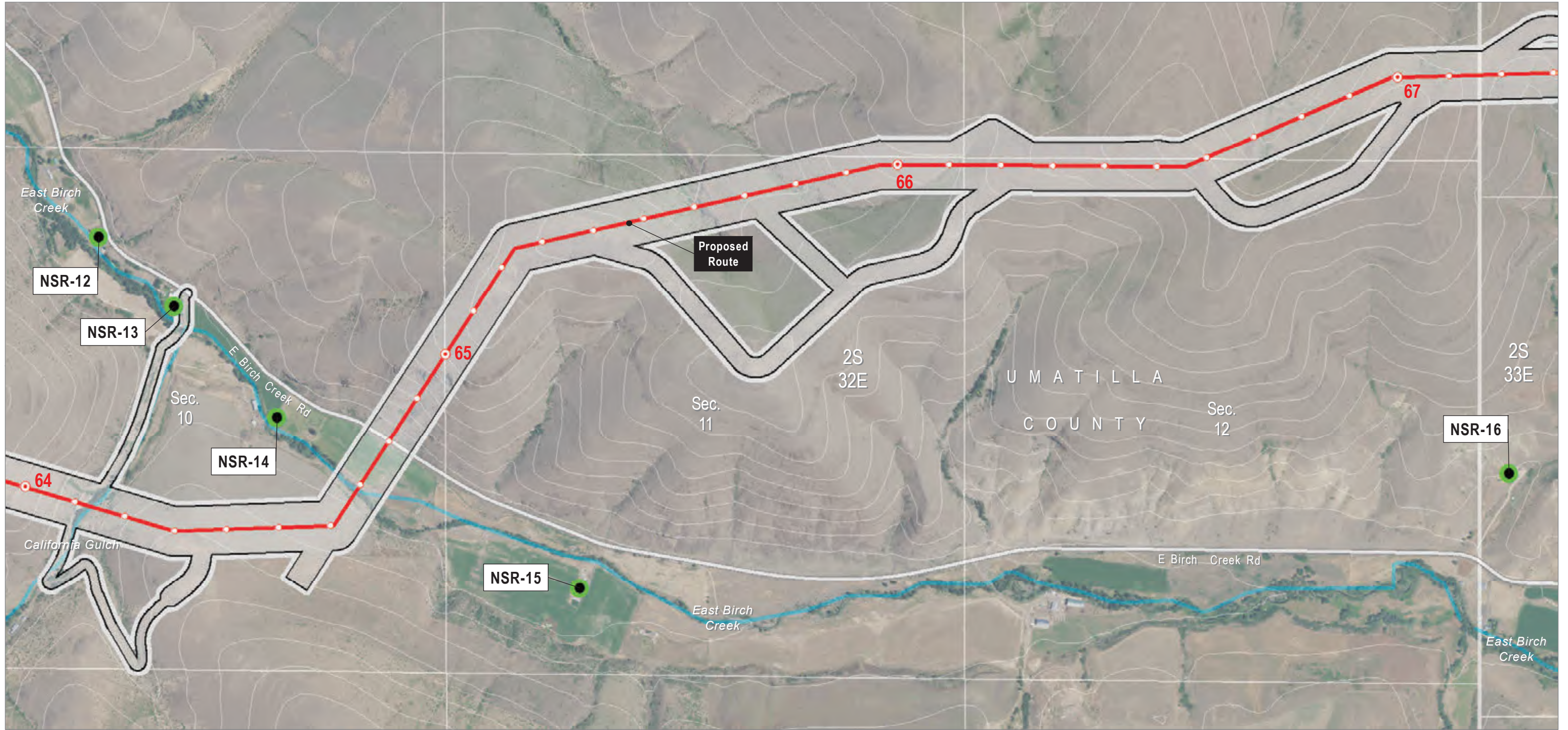


Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

- Noise Sensitive Receptors**
- Predicted Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Bureau of Land Management
- Other Features**
- Private
 - 100-foot Contours
 - Road
 - Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate





Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

Noise Sensitive Receptors

- No Exceedance

Project Features

- Site Boundary
- Transmission Centerline

Mileposts

- Mile
- Tenth-mile

Land Status

- Private

Other Features

- 100-foot Contours
- Road
- Stream

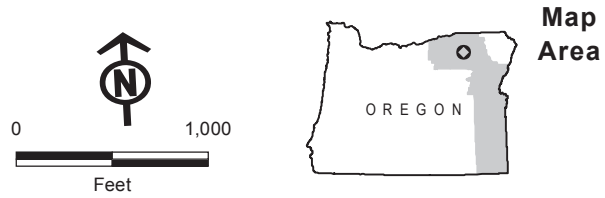
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1 Noise Sensitive Receptors

Umatilla County

Map 7



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

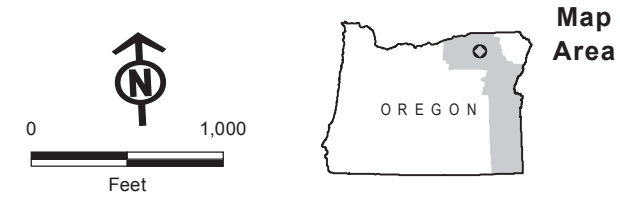
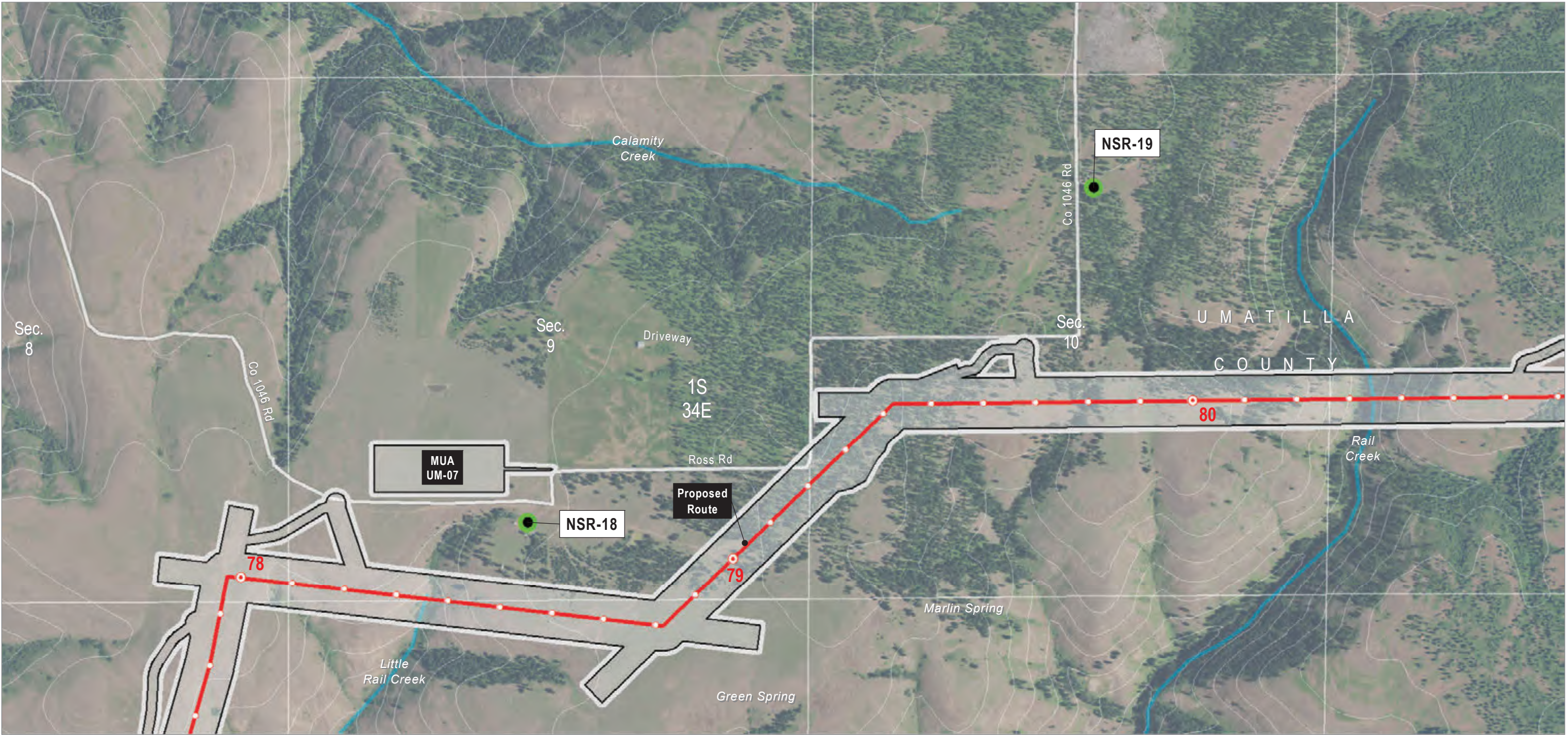
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

- Noise Sensitive Receptors**
- No Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Private
- Other Features**
- ~ 100-foot Contours
 - Road
 - ~ Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors
Umatilla County
Map 8



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

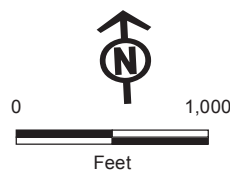
- Noise Sensitive Receptors**
- No Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Private
- Other Features**
- 100-foot Contours
 - Road
 - Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



**Attachment X-1
Noise Sensitive Receptors**

Umatilla County



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

Noise Sensitive
Receptors

- No Exceedance

Project Features

- Site Boundary
- Transmission Centerline

Mileposts

- Mile
- Tenth-mile

Land Status

- Indian Reservation

- Private

Other Features

- ~ 100-foot Contours
- Road
- ~ Stream

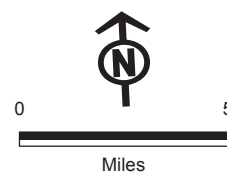
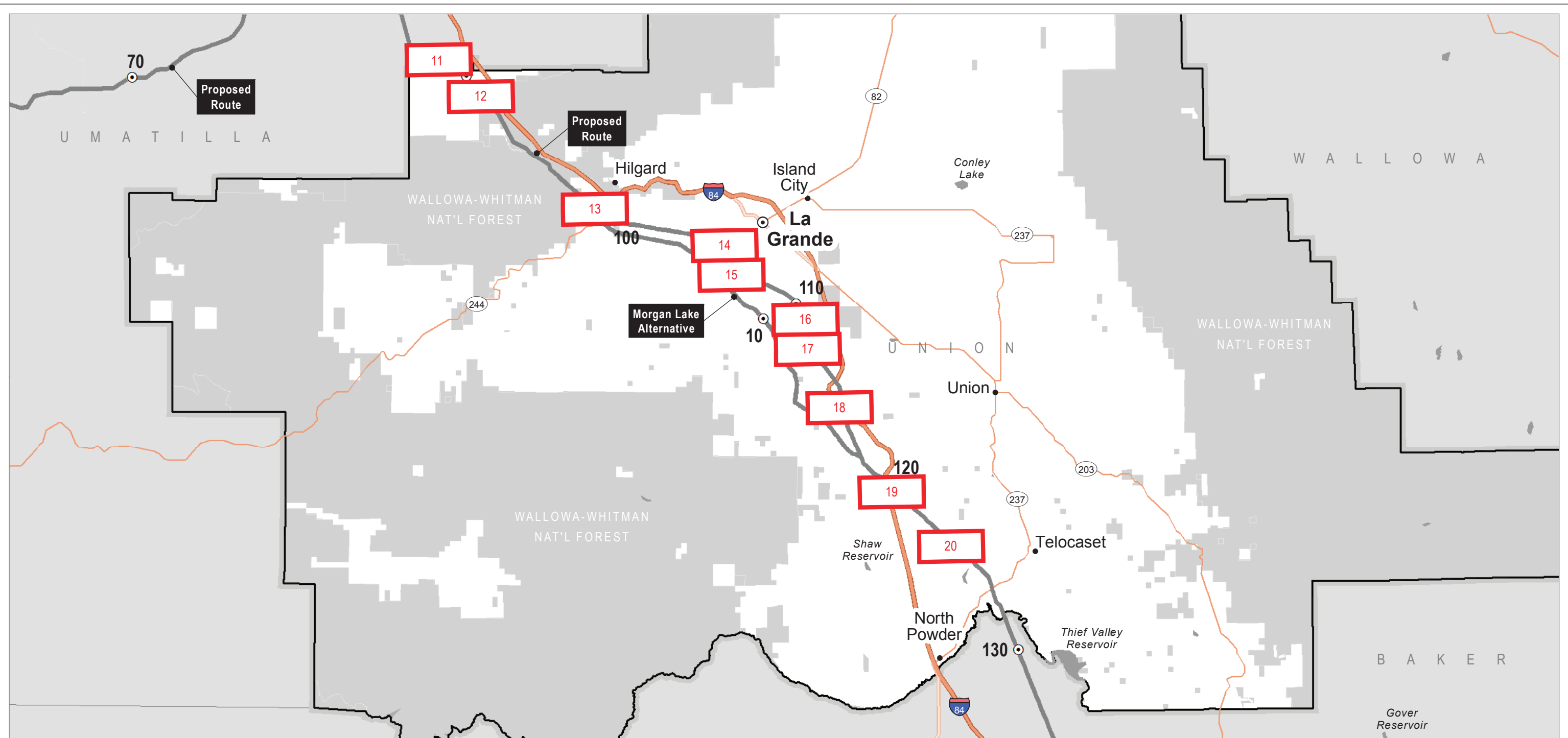
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



**Attachment X-1
Noise Sensitive Receptors**

Umatilla County

Map 10



Source(s): BLM, IPC, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASCI\Exhibits\X_Noise\Maps\Attachment X-1\Index_Union.mxd

Map Index

 Location Map (Map #)

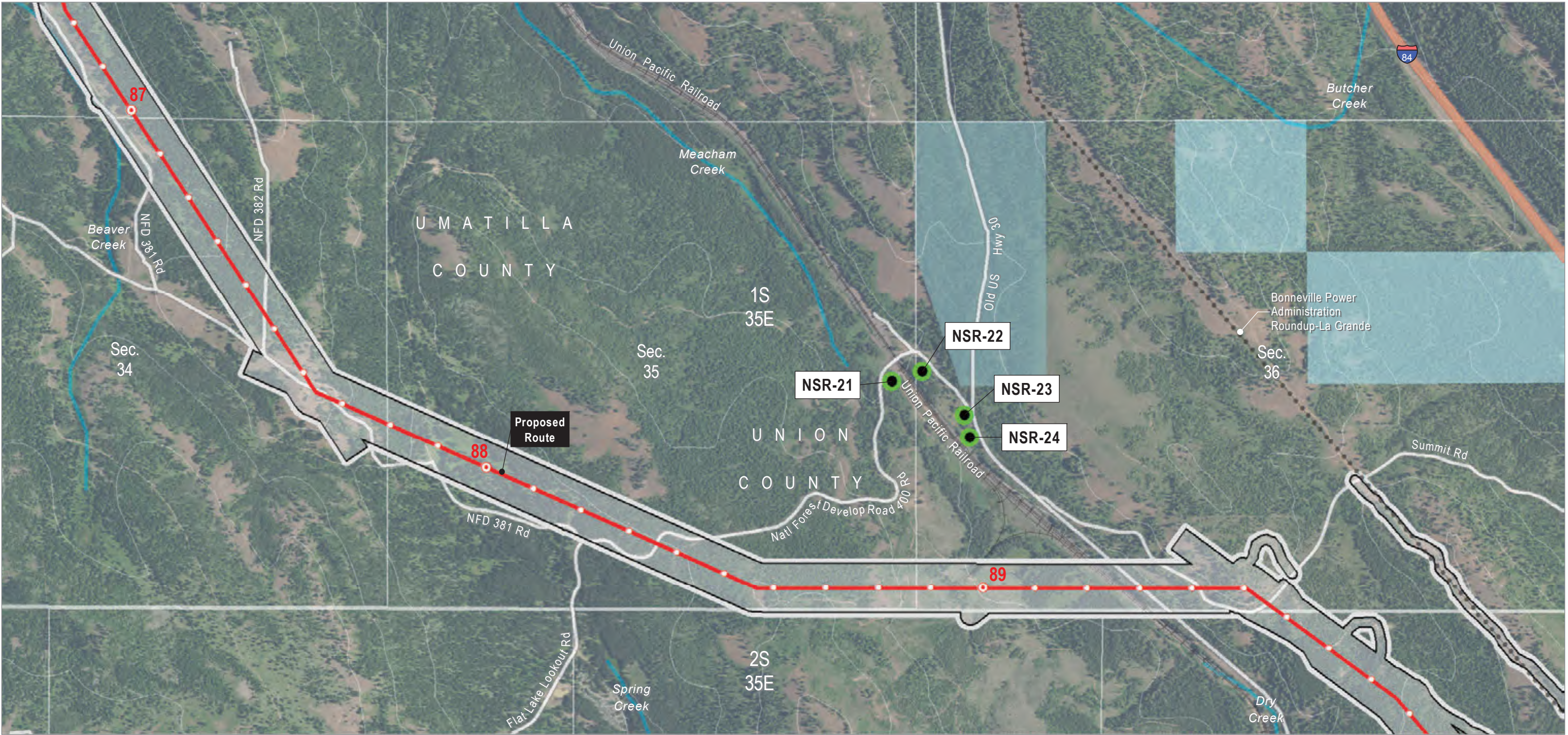
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors

Union County

Map Index



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

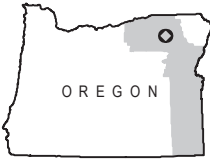
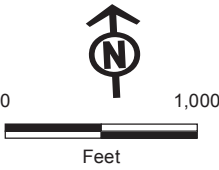
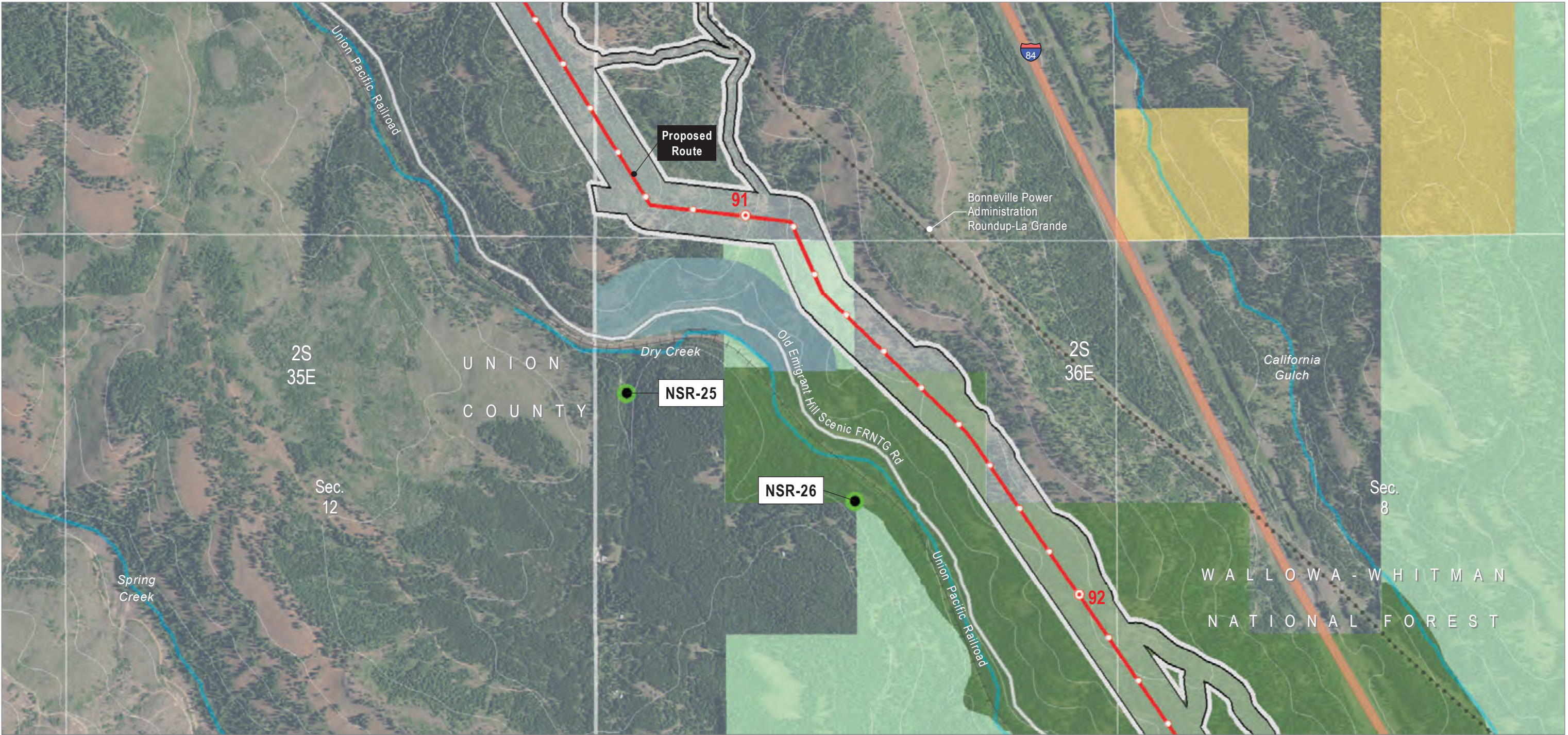
- Noise Sensitive Receptors**
- No Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Forest Service
- Other Features**
- Private
 - State or Local
 - State or Local Parks and Recreation or Wildlife
 - ~ 100-foot Contours
 - Existing Transmission Lines
 - Interstate
 - Road
 - Railroad

Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors
Union County
Map 11



Map Area

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

Noise Sensitive Receptors

● No Exceedance

Project Features

□ Site Boundary

— Transmission Centerline

Mileposts

● Mile

○ Tenth-mile

Land Status

■ Bureau of Land Management

■ Forest Service

□ Private

■ State or Local Parks and Recreation or Wildlife

Other Features

— 100-foot Contours

— Existing Transmission Lines

— Interstate

— Road

— Railroad

— Stream

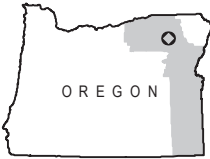
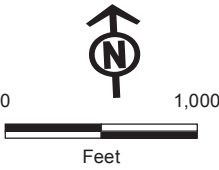
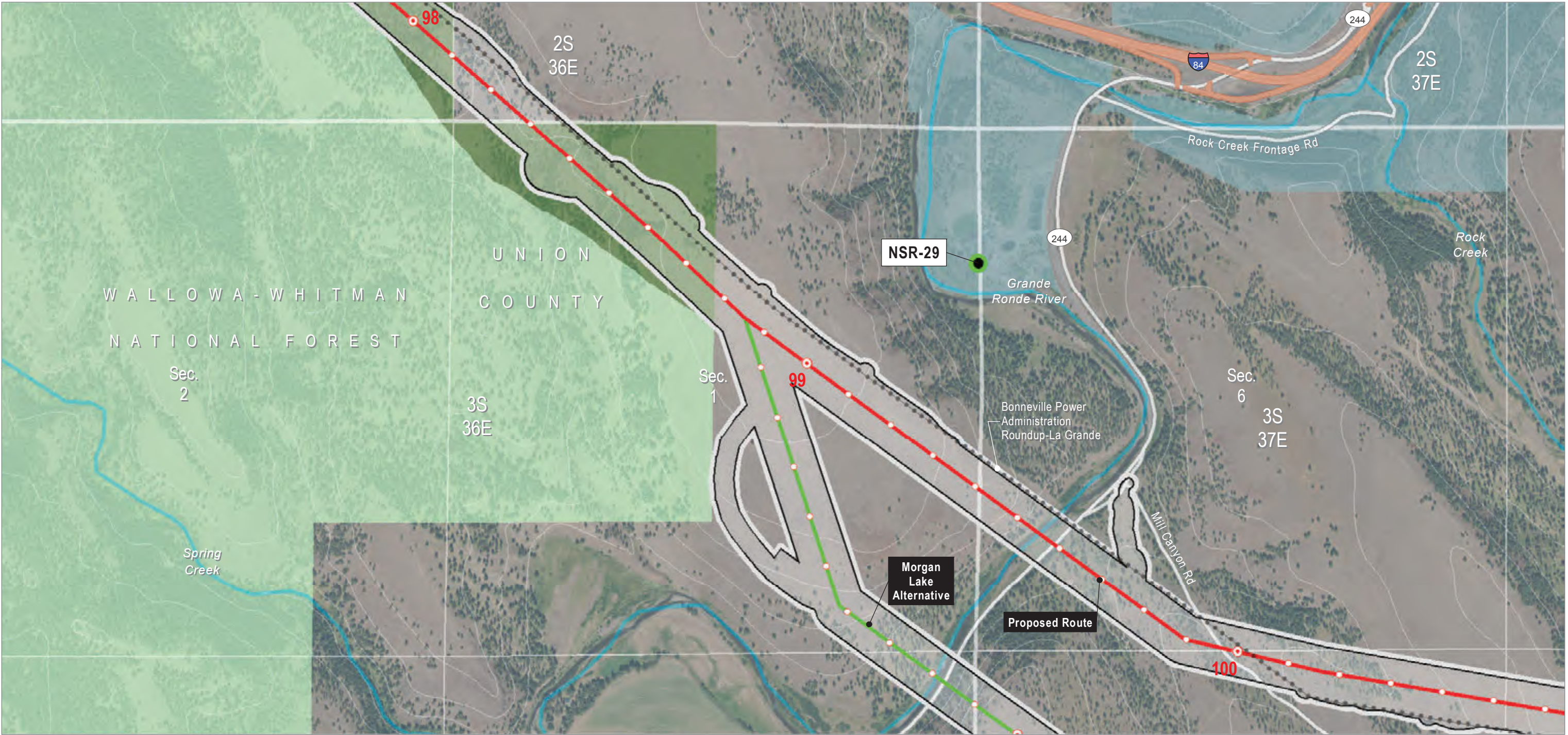
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors

Union County

Map 12



Map
Area

Noise Sensitive
Receptors

● No Exceedance

Project Features

□ Site Boundary

— Transmission Centerline

— Alternative

Mileposts

○ Mile

○ Tenth-mile

Land Status

□ Forest Service

□ Private

□ State or Local Parks and
Recreation or Wildlife

Other Features

— 100-foot Contours

— Existing Transmission
Lines

— Interstate

— Road

— Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



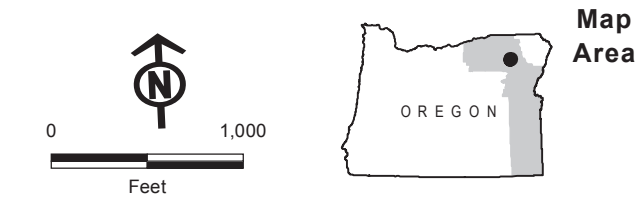
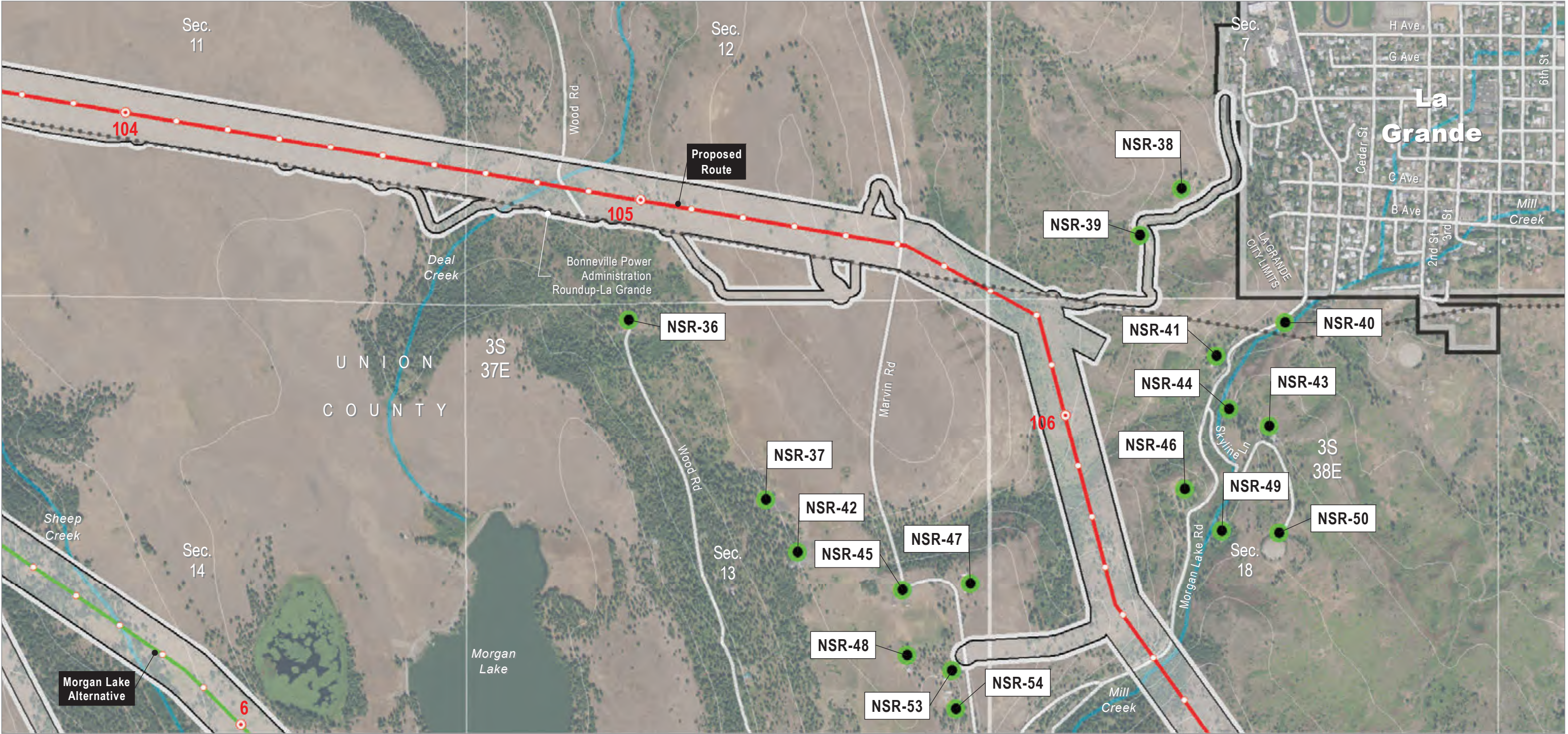
Attachment X-1
Noise Sensitive Receptors

Union County

Map 13

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

Noise Sensitive Receptors

● No Exceedance

Project Features

□ Site Boundary

— Transmission Centerline

— Alternative

Mileposts

○ Mile

○ Tenth-mile

Land Status

□ Private

Other Features

— 100-foot Contours

— Existing Transmission Lines

— Road

— Stream

— City Limits

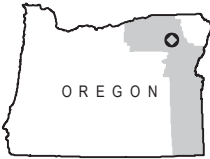
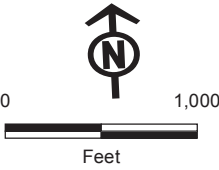
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



**Attachment X-1
Noise Sensitive Receptors**

Union County

Map 14



Map Area

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

- Noise Sensitive Receptors

 - Predicted Exceedance
 - No Exceedance
- Project Features

 - Site Boundary
 - Transmission Centerline
 - Alternative
- Mileposts

 - Mile
 - Tenth-mile
- Land Status

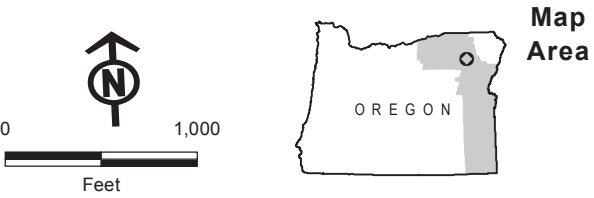
 - Private
- Other Features

 - 100-foot Contours
 - Road
 - Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors
Union County
Map 15



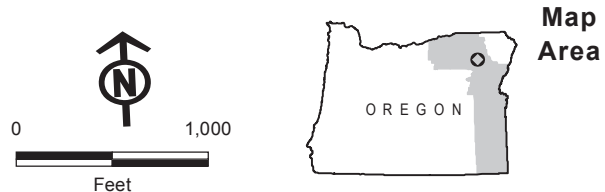
- Noise Sensitive Receptors**
- No Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Private
- Other Features**
- State or Local Parks and Recreation or Wildlife
 - ~ 100-foot Contours
 - Existing Transmission Lines
 - Interstate
 - Road

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors
Union County
Map 16

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

- Noise Sensitive Receptors**
- No Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
 - Alternative
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Private
 - State or Local Parks and Recreation or Wildlife
- Other Features**
- 100-foot Contours
 - Existing Transmission Lines
 - Interstate
 - Road

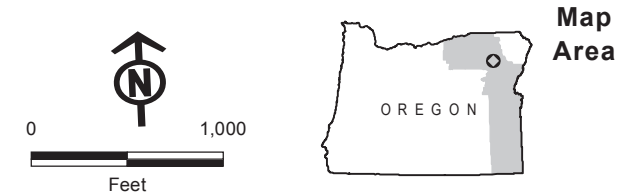
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1 Noise Sensitive Receptors

Union County

Map 17



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

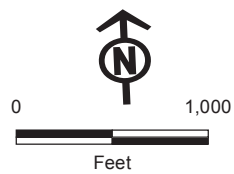
- Noise Sensitive Receptors**
- No Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
 - Alternative
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Forest Service
 - Private
- Other Features**
- 100-foot Contours
 - Existing Transmission Lines
 - Interstate
 - Road
 - Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



**Attachment X-1
Noise Sensitive Receptors**

Union County



Map Area

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

Noise Sensitive Receptors

- No Exceedance

Project Features

- Site Boundary
- Transmission Centerline

Mileposts

- Mile
- Tenth-mile

Land Status

- Private

Other Features

- 100-foot Contours
- Existing Transmission Lines
- Interstate
- Road
- Stream

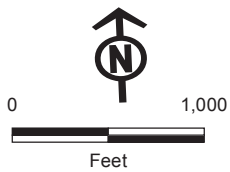
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



**Attachment X-1
Noise Sensitive Receptors**

Union County

Map 19



Map Area

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

Noise Sensitive Receptors

● No Exceedance

Project Features

□ Site Boundary

— Transmission Centerline

Mileposts

○ Mile

○ Tenth-mile

Land Status

□ Private

Other Features

~ 100-foot Contours

— Existing Transmission Lines

— Road

~ Stream

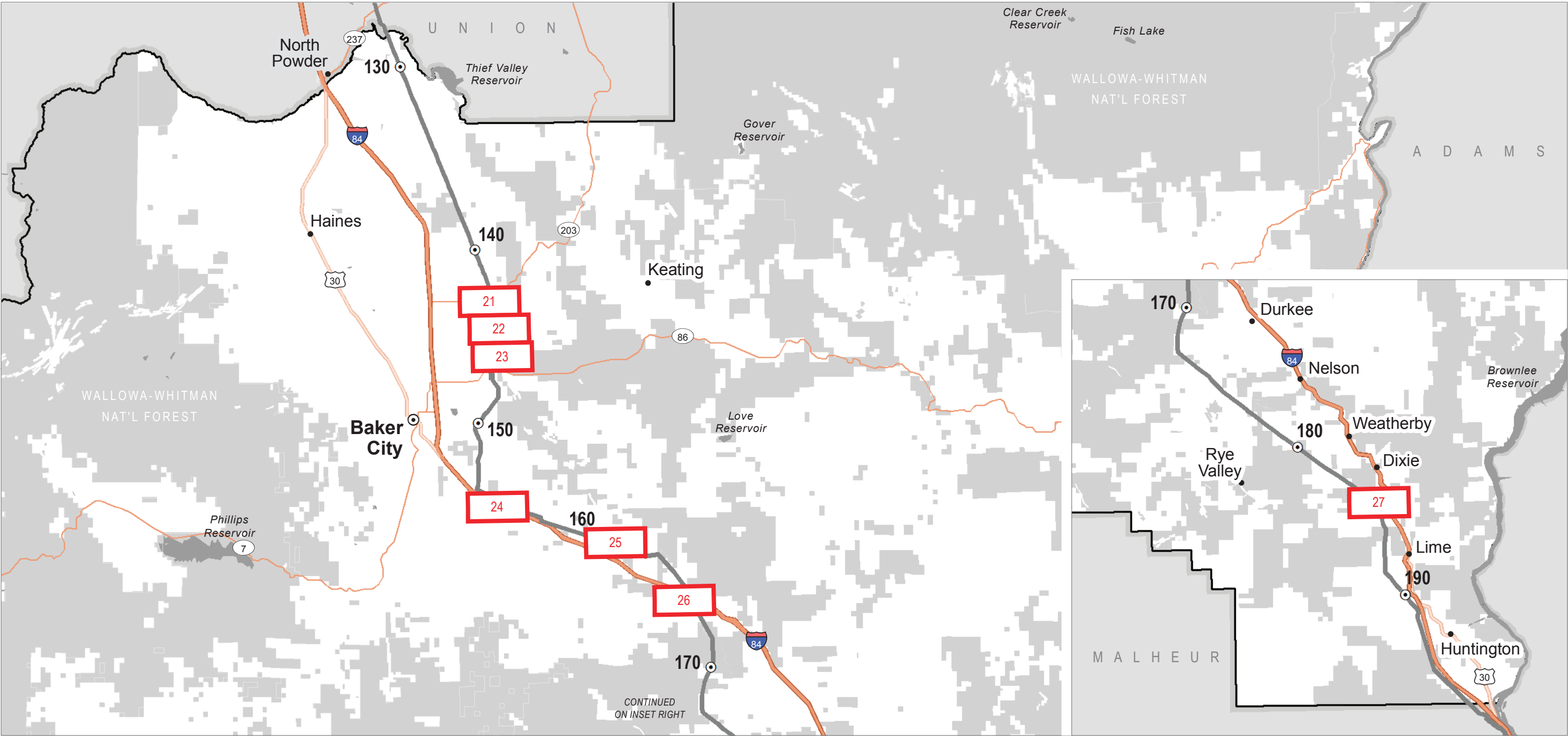
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



**Attachment X-1
Noise Sensitive Receptors**

Union County

Map 20



Source(s): BLM, IPC, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\Index_Baker.mxd

Map Index

Location Map (Map #)

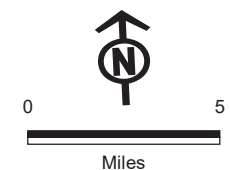
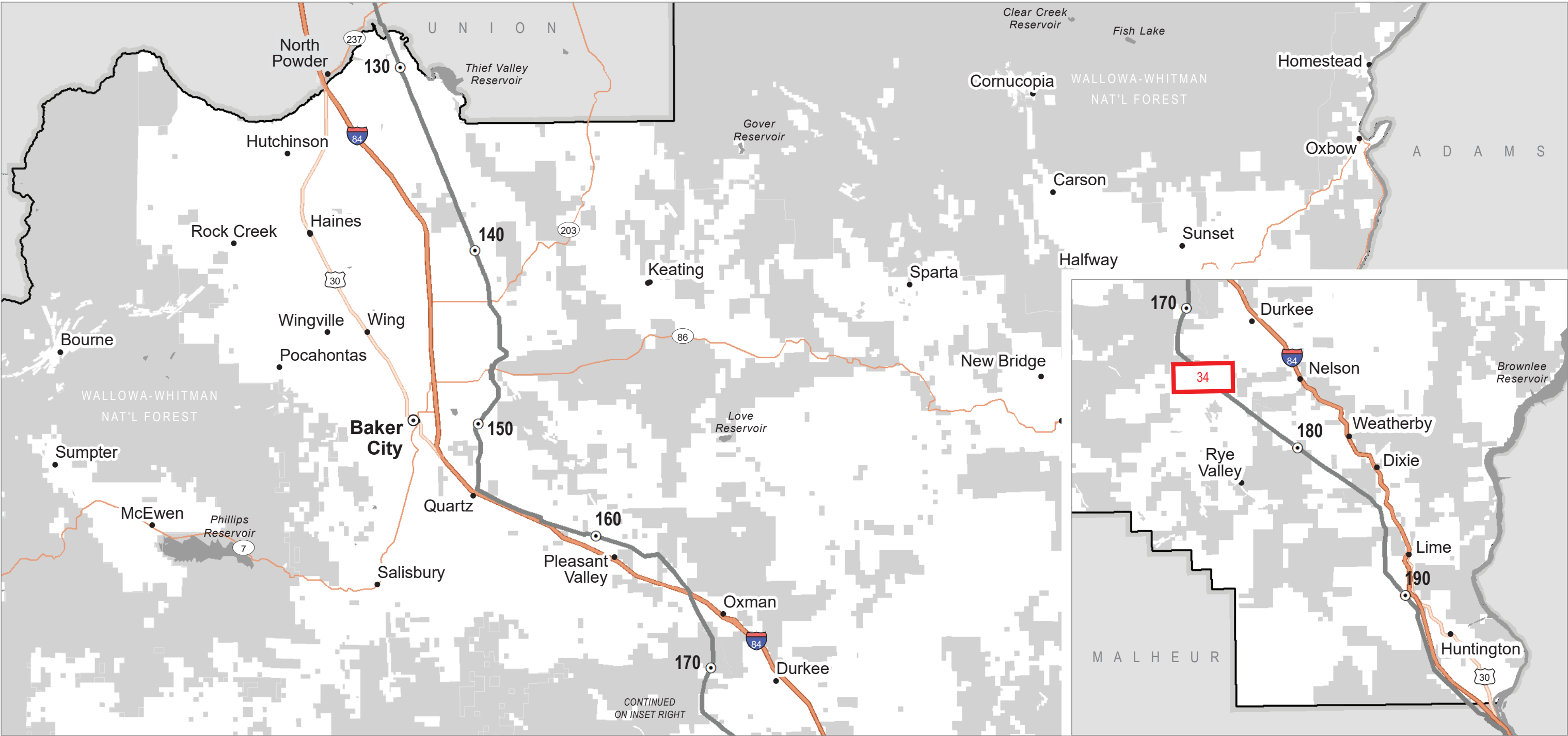
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors

Baker County

Map Index



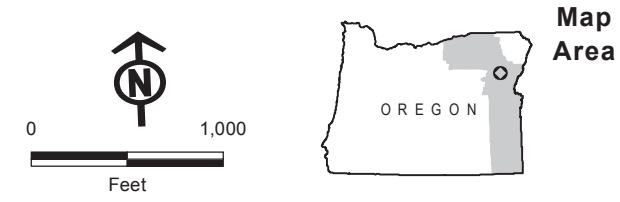
Map Index
Location Map (Map #)

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors
Baker County
Map Index

Source(s): BLM, IPC, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\20190313\Index_Baker_ERRATA.mxd



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

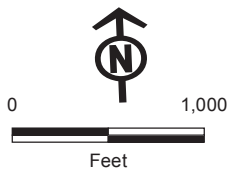
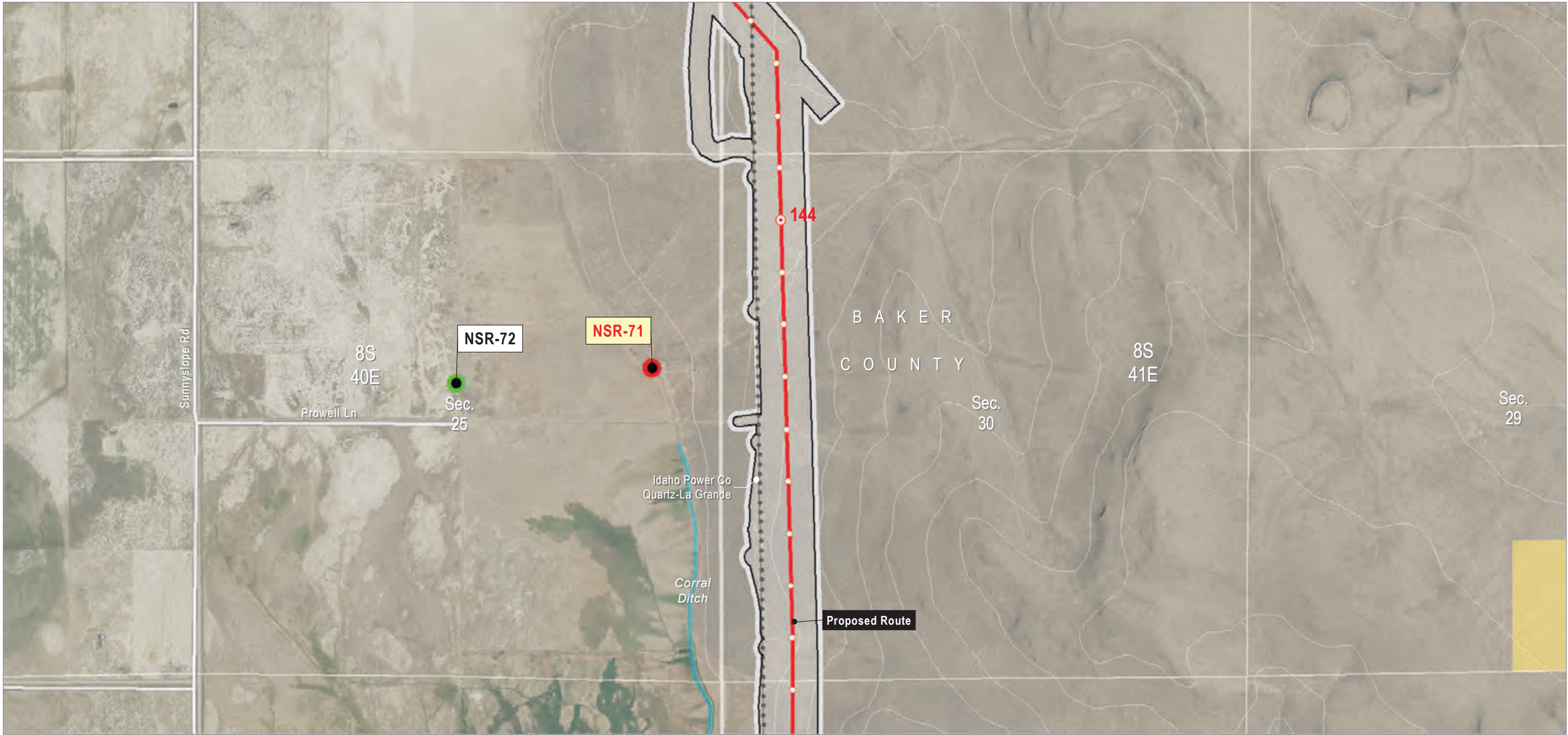
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

- Noise Sensitive Receptors**
- Predicted Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Bureau of Land Management
- Other Features**
- Private
 - 100-foot Contours
 - Existing Transmission Lines
 - Road
 - Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors
Baker County
Map 21



Map Area

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

Noise Sensitive Receptors

- Predicted Exceedance
- No Exceedance

Project Features

- Site Boundary
- Transmission Centerline

Mileposts

- Mile
- Tenth-mile

Land Status

- Bureau of Land Management
- Private

Other Features

- 100-foot Contours
- Existing Transmission Lines
- Road
- Stream

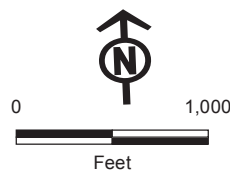
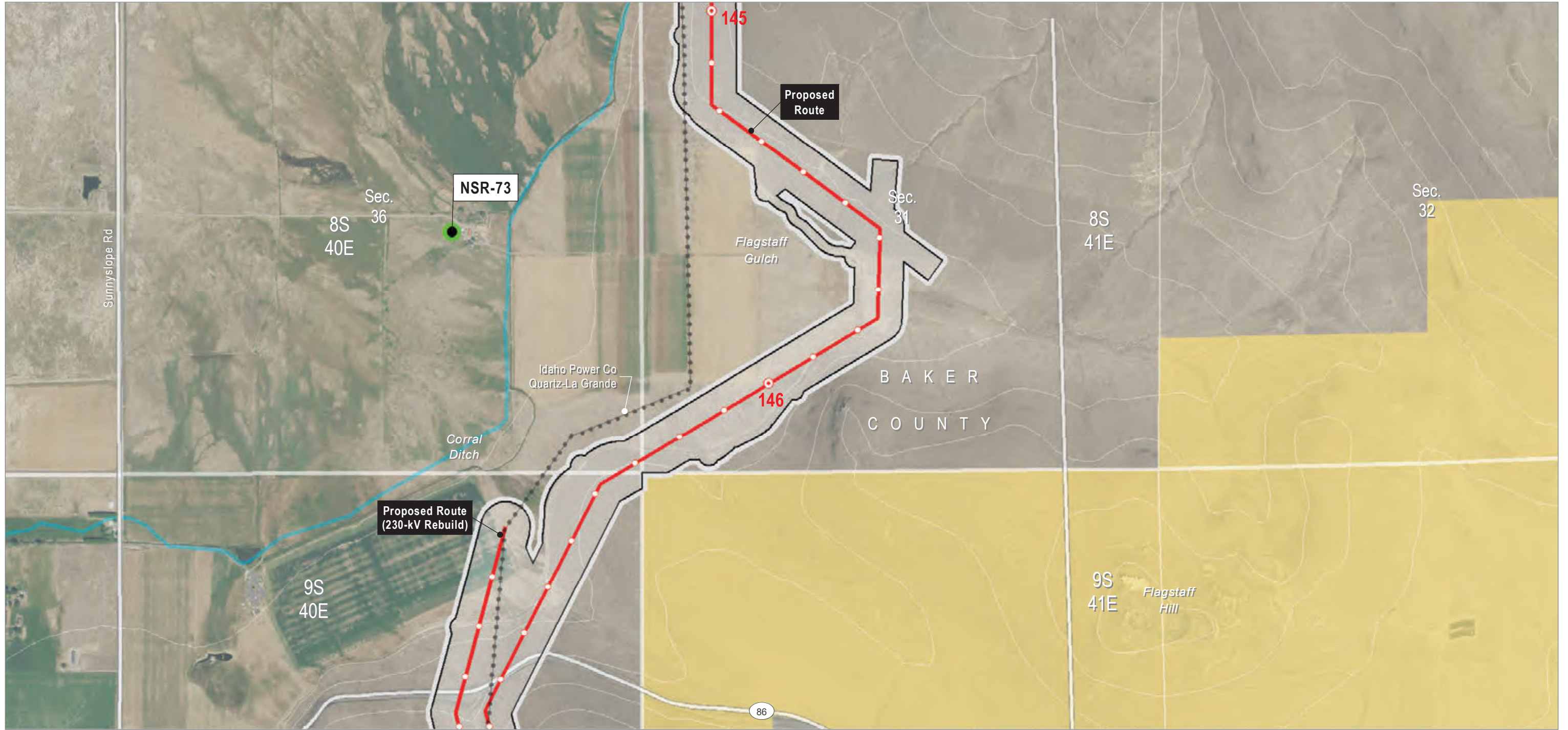
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors

Baker County

Map 22



Map Area

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

Noise Sensitive Receptors

- No Exceedance

Project Features

- Site Boundary
- Transmission Centerline

Mileposts

- Mile
- Tenth-mile

Land Status

- Bureau of Land Management
- Private

Other Features

- 100-foot Contours
- Existing Transmission Lines
- Road
- Stream

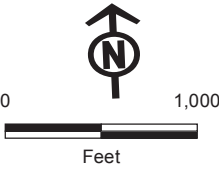
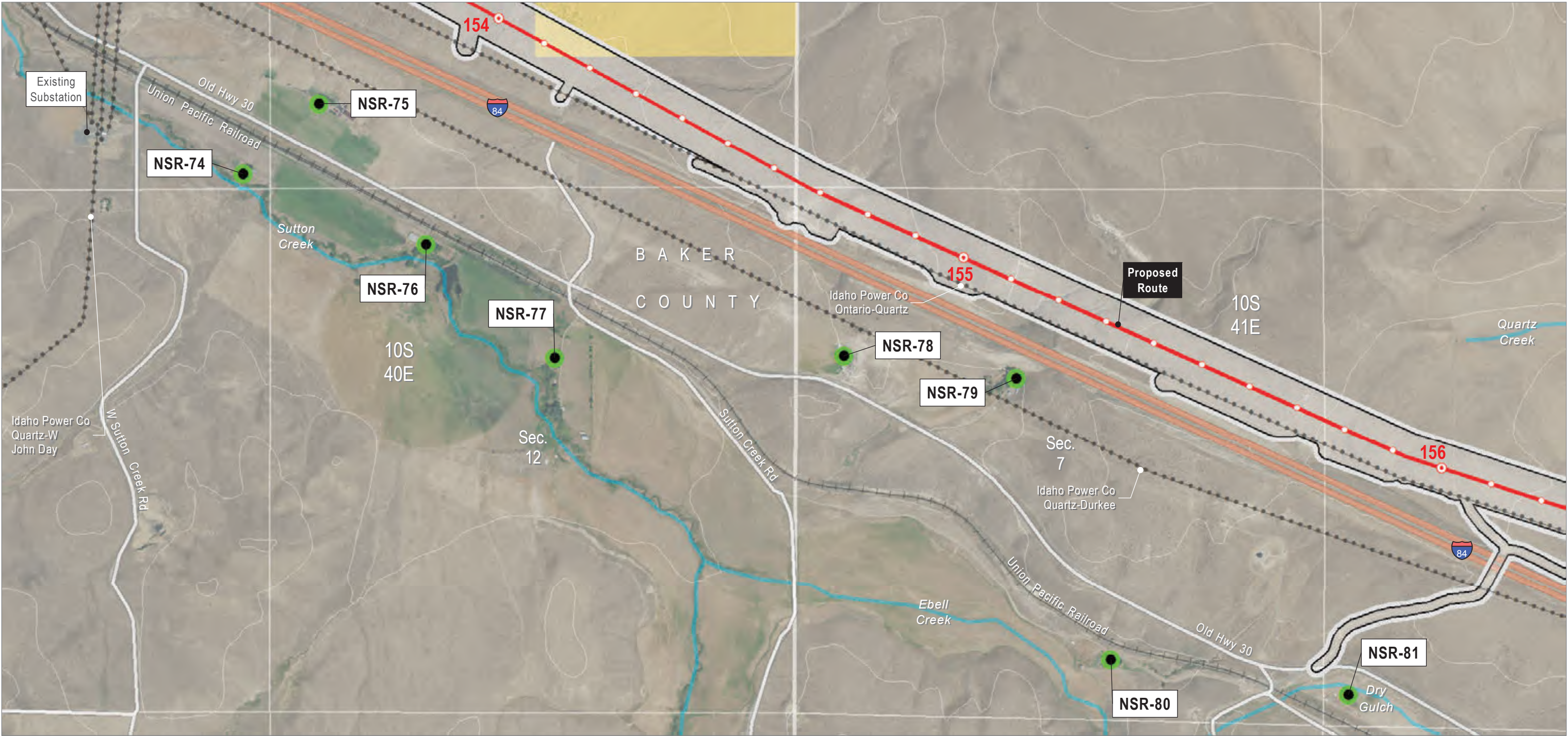
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors

Baker County

Map 23



Map Area

Noise Sensitive Receptors

No Exceedance

Project Features

Site Boundary

Transmission Centerline

Mileposts

Mile

Tenth-mile

Land Status

Bureau of Land Management

Private

Other Features

100-foot Contours

Existing Transmission Lines

Interstate

Road

Railroad

Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



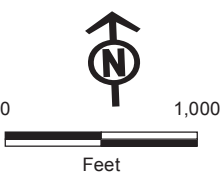
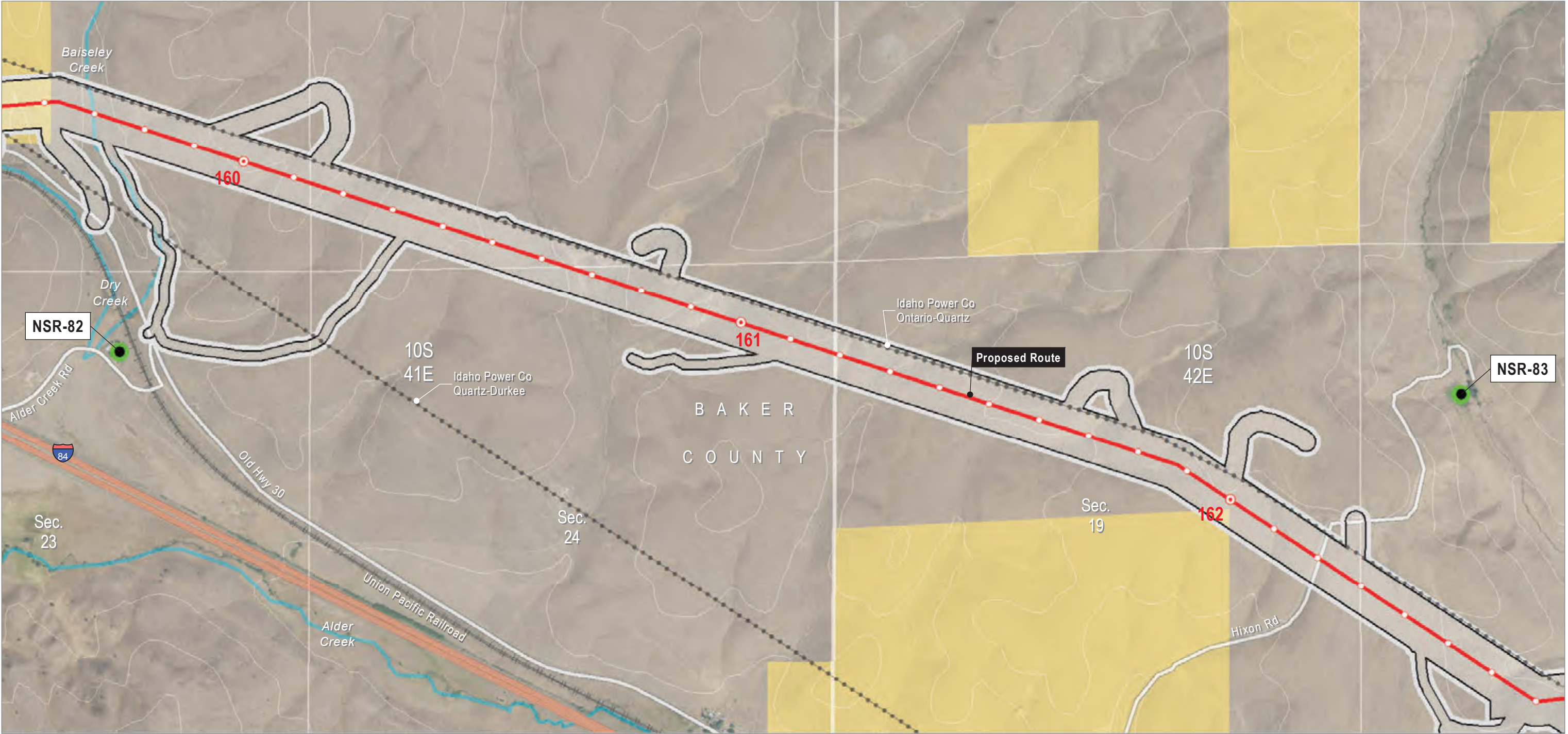
Attachment X-1
Noise Sensitive Receptors

Baker County

Map 24

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd



Map Area

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

Noise Sensitive Receptors

● No Exceedance

Project Features

□ Site Boundary

— Transmission Centerline

Mileposts

● Mile
○ Tenth-mile

Land Status

■ Bureau of Land Management
□ Private

Other Features

~ 100-foot Contours
— Existing Transmission Lines
— Interstate
— Road
— Railroad

Stream

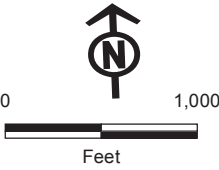
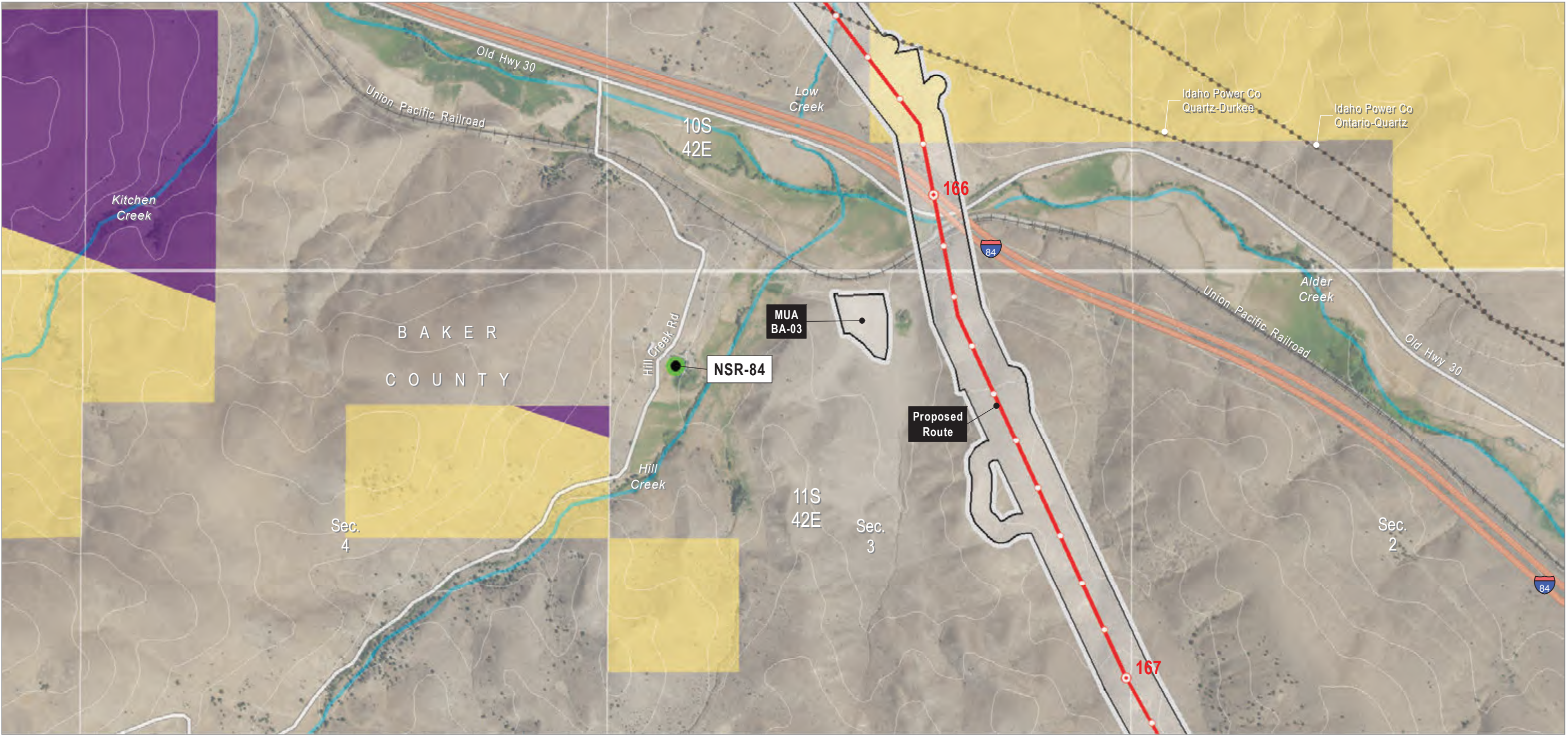
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors

Baker County

Map 25



Map Area

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

Noise Sensitive Receptors

- No Exceedance

Project Features

- Site Boundary
- Transmission Centerline

Mileposts

- Mile
- Tenth-mile

Land Status

- Bureau of Land Management
- Private

Other Features

- 100-foot Contours
- Existing Transmission Lines
- Interstate
- Road
- Railroad

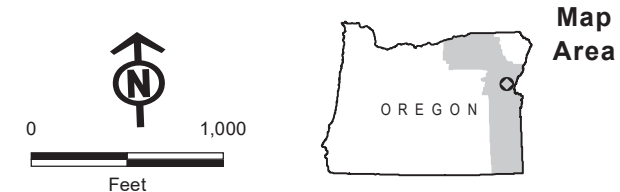
Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors

Baker County



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

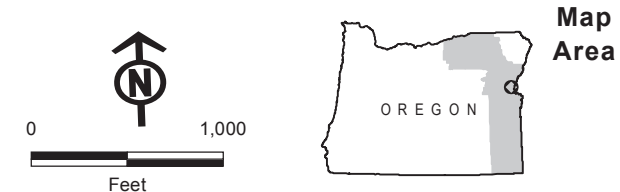
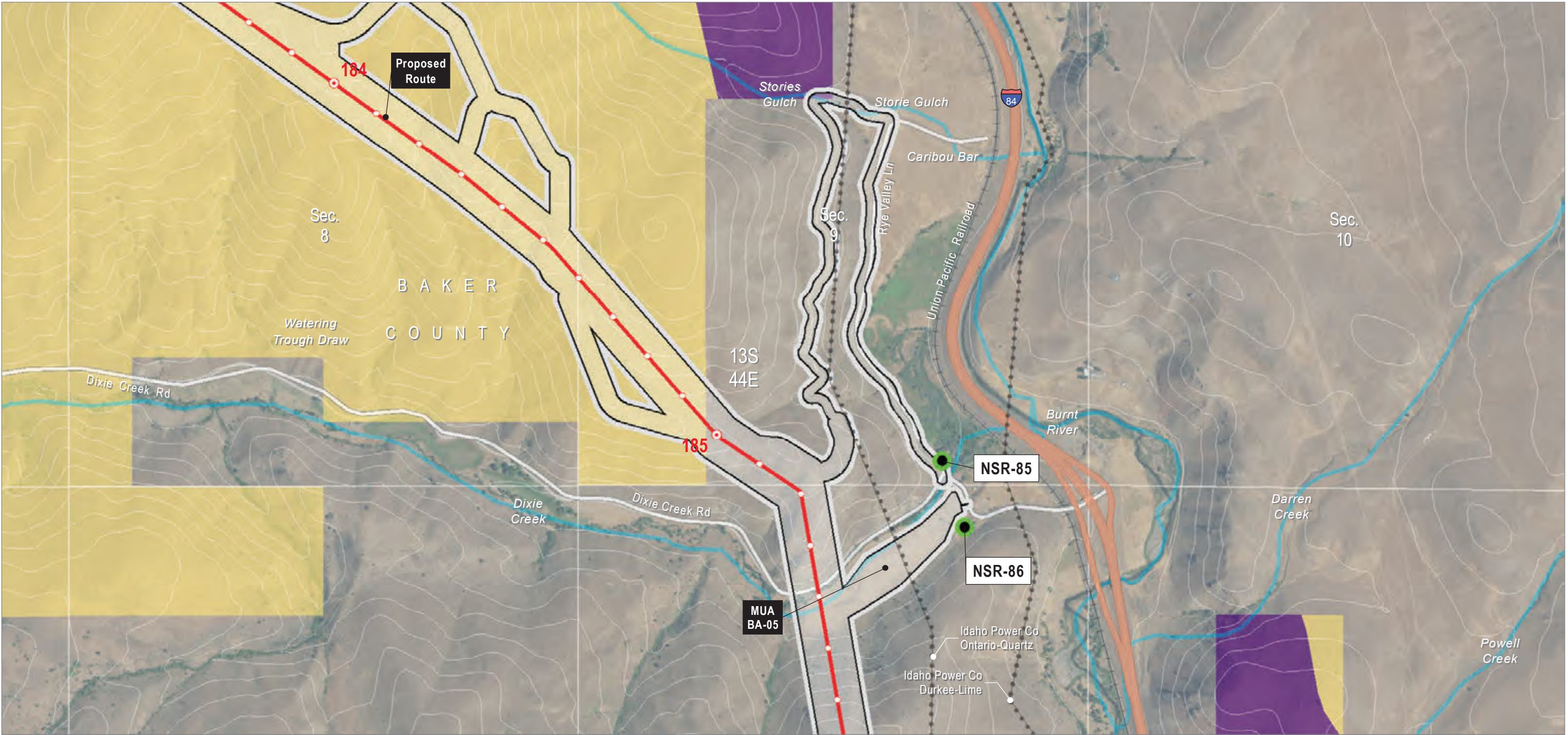
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\20190313\ATTACHMENT X-1 Noise_ERRATA.mxd

- Noise Sensitive Receptors**
- Predicted Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Bureau of Land Management
- Other Features**
- Private
 - 100-foot Contours
 - Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors
Baker County
Map 34



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

Noise Sensitive Receptors

● No Exceedance

Project Features

□ Site Boundary
— Transmission Centerline

Mileposts
● Mile
○ Tenth-mile

Land Status

■ Bureau of Land Management
□ Private

Other Features

~ 100-foot Contours
— Existing Transmission Lines
— Interstate
— Road
— Railroad

~ Stream

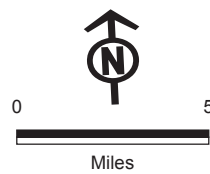
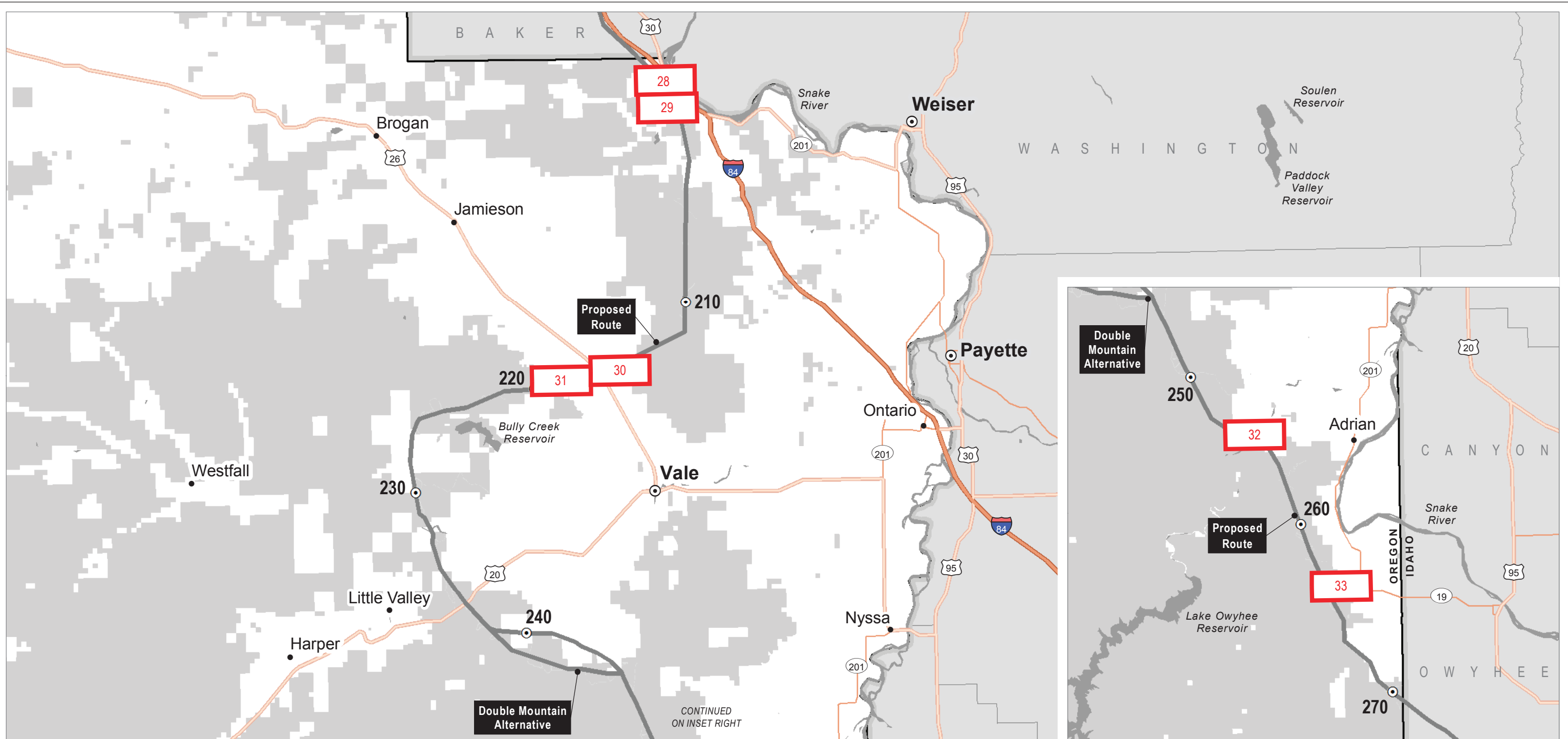
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



**Attachment X-1
Noise Sensitive Receptors**

Baker County

Map 27



Source(s): BLM, IPC, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\Index_Malheur.mxd

Map Index

 Location Map (Map #)

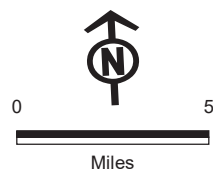
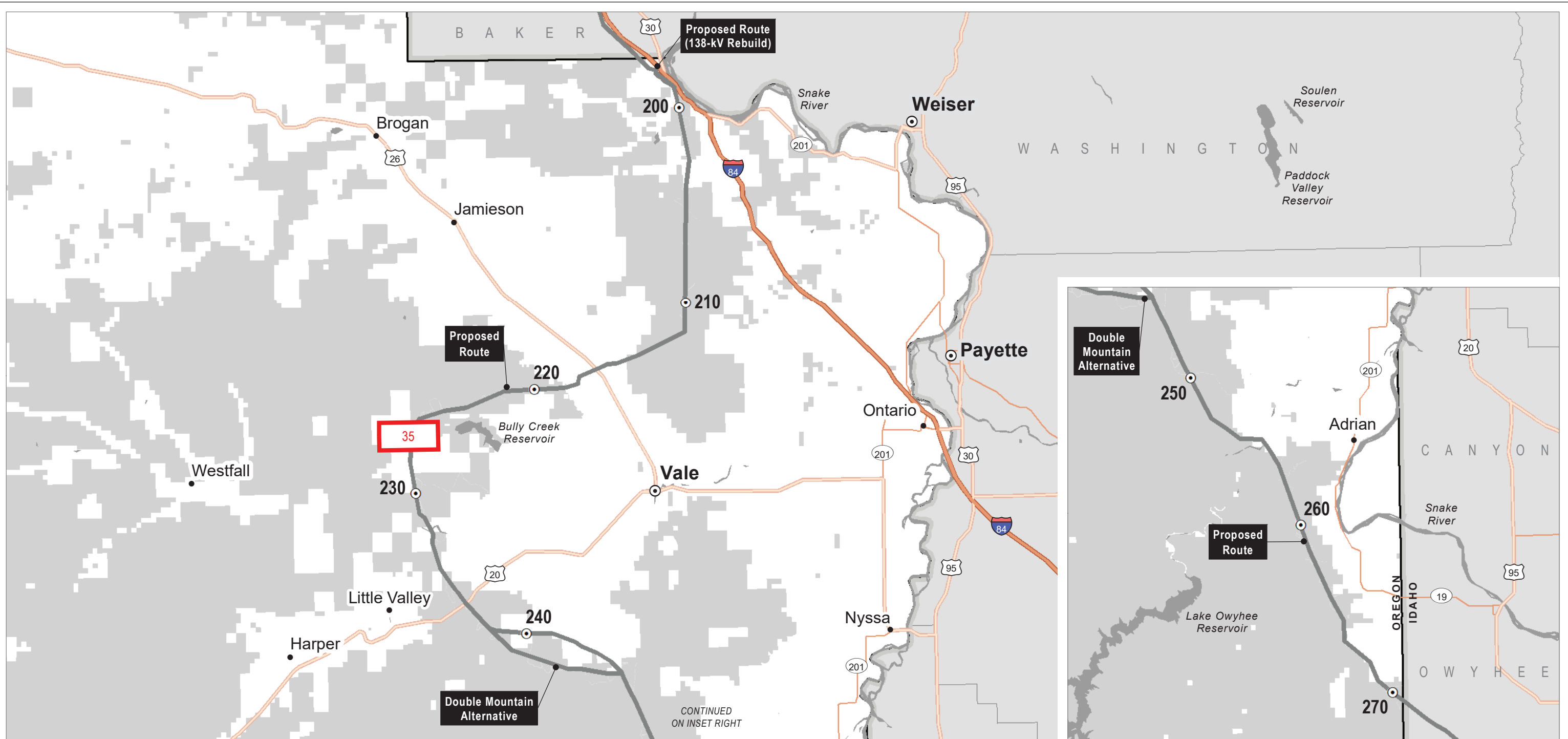
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



**Attachment X-1
Noise Sensitive Receptors**

Malheur County

Map Index



Source(s): BLM, IPC, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\20190313\Index_Malheur_ERRATA.mxd

Map Index

Location Map (Map #)

Boardman to Hemingway Transmission Line Project
Application for Site Certificate

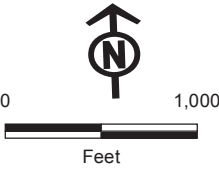
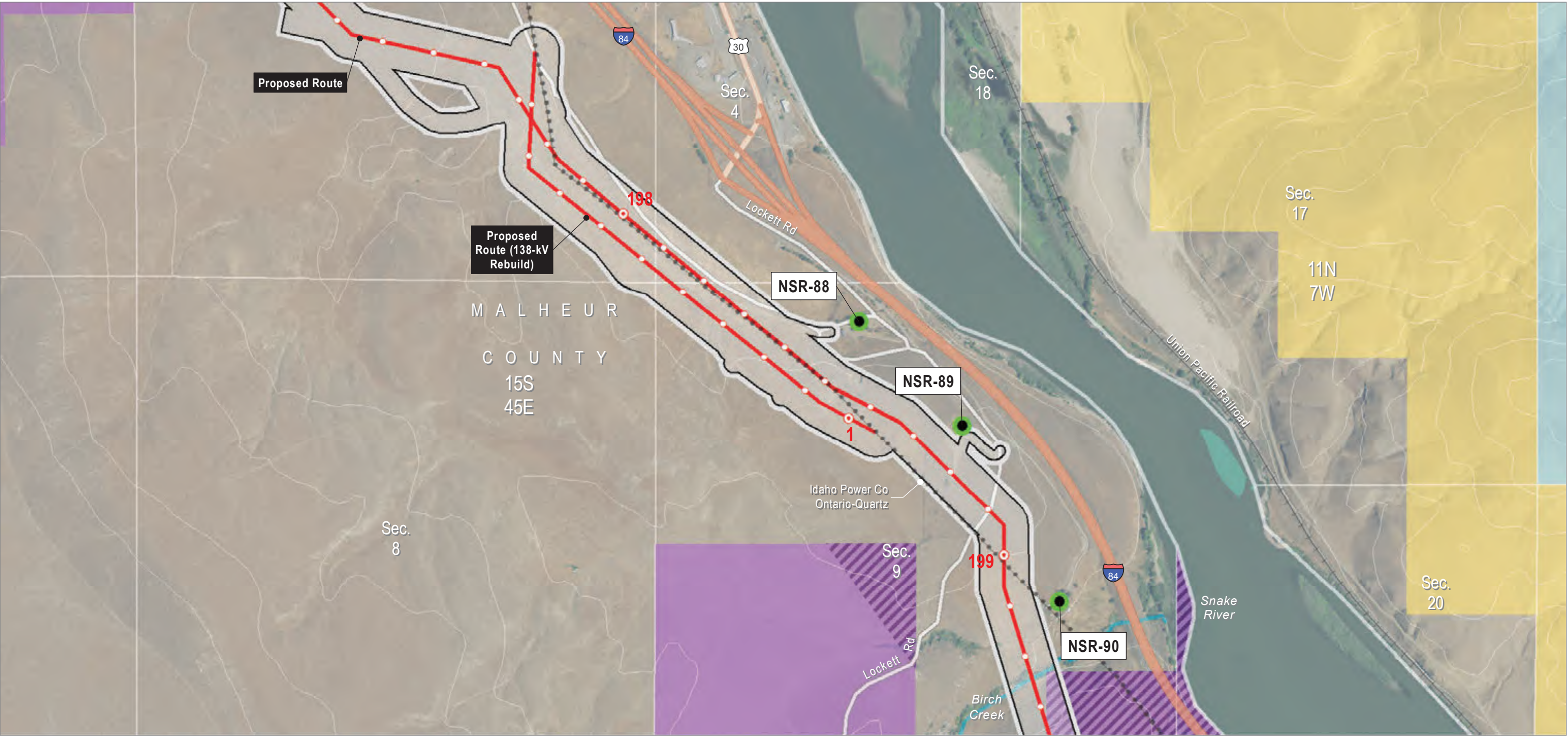


ERRATA

**Attachment X-1
Noise Sensitive Receptors**

Malheur County

Map Index



Map Area

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

Noise Sensitive Receptors

● No Exceedance

Project Features

□ Site Boundary

— Transmission Centerline

Mileposts

○ Mile

○ Tenth-mile

Land Status

■ Bureau of Land Management

■ Fish and Wildlife Service

□ Private

■ State or Local

Other Features

— 100-foot Contours

— Existing Transmission Lines

— Interstate

— Highway

— Road

— Railroad

— Stream

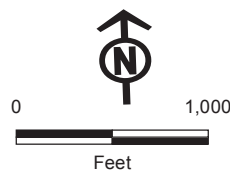
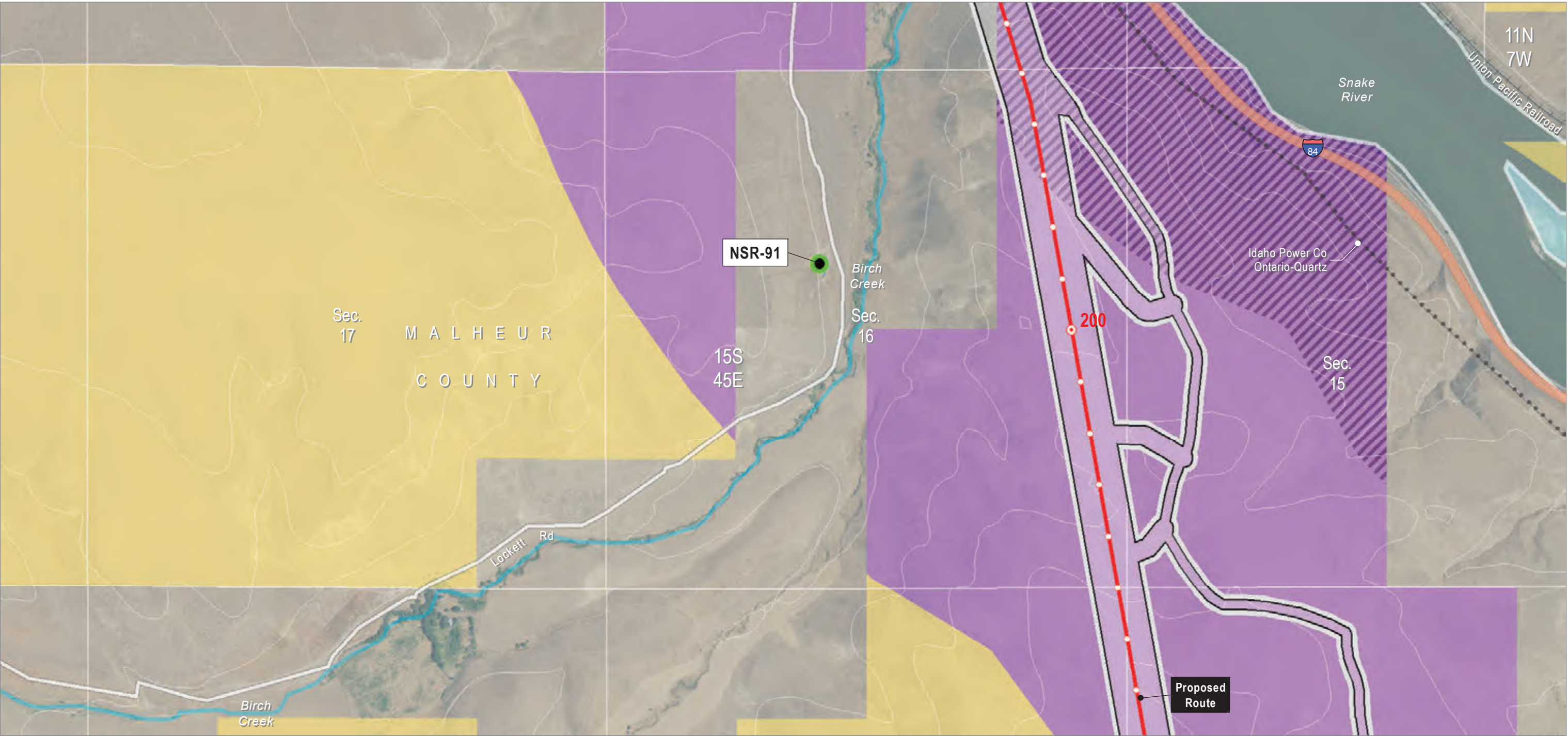
Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors

Malheur County

Map 28



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

- Noise Sensitive Receptors**
- No Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile

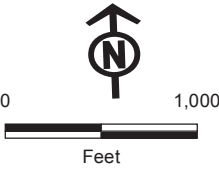
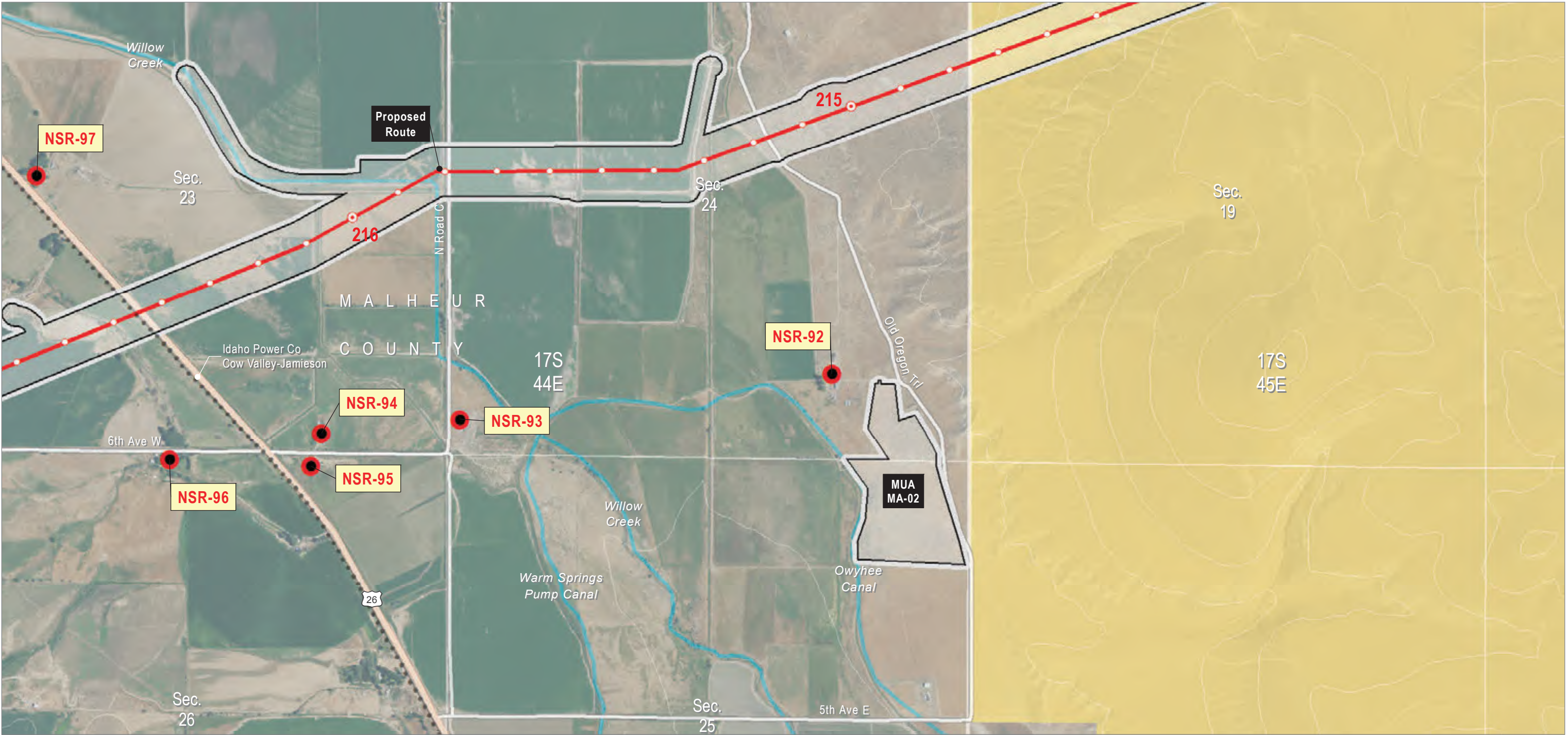
- Land Status**
- Bureau of Land Management
 - Private
 - State or Local
- Other Features**
- 100-foot Contours
 - Existing Transmission Lines
 - Interstate
 - Road

- Railroad
- Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors
Malheur County
Map 29



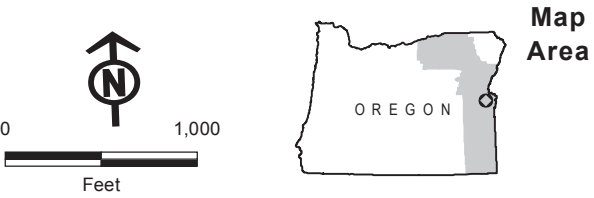
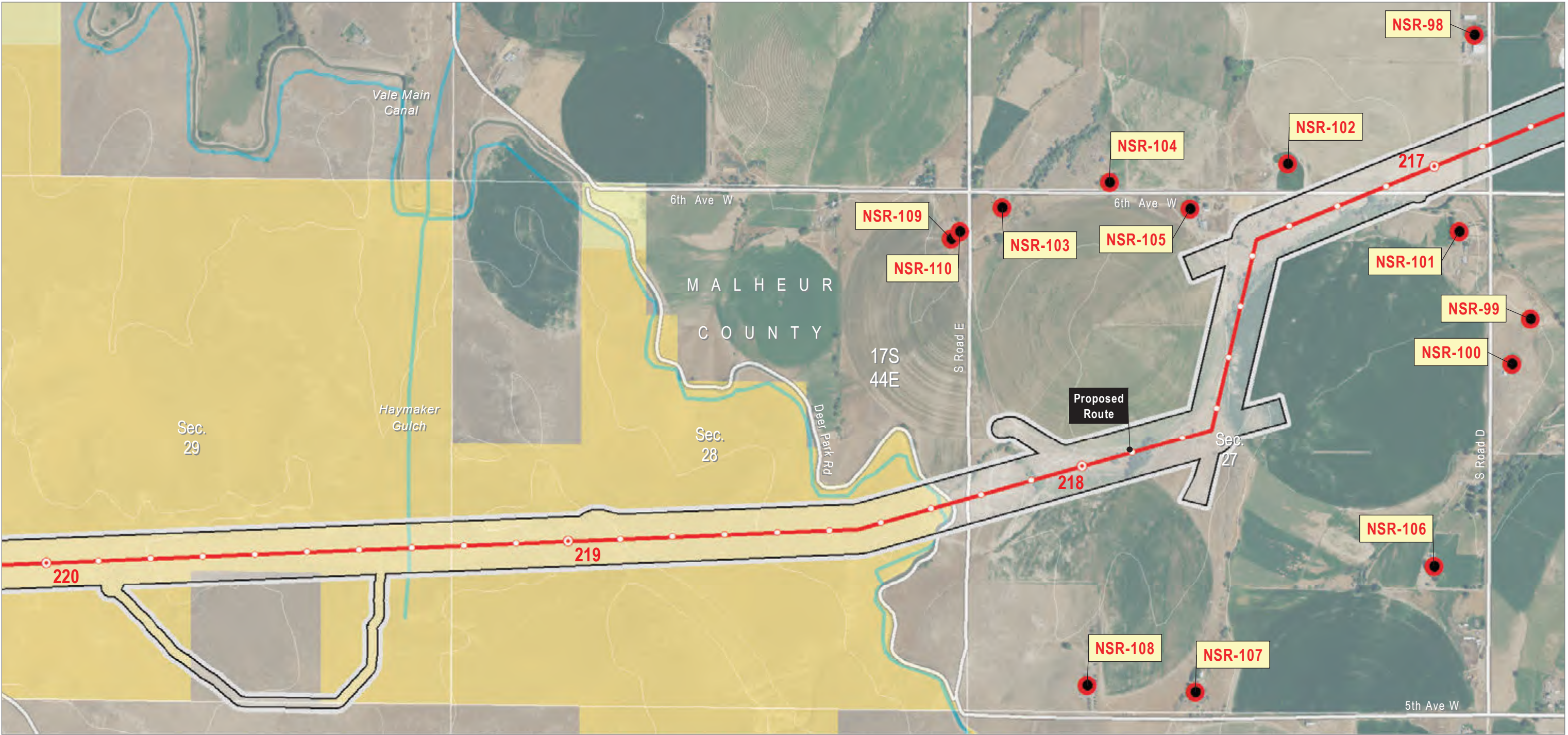
Map Area

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

- Noise Sensitive Receptors**
- Predicted Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Bureau of Land Management
- Other Features**
- Private
 - 100-foot Contours
 - Existing Transmission Lines
 - Highway
 - Road
 - Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate





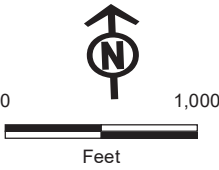
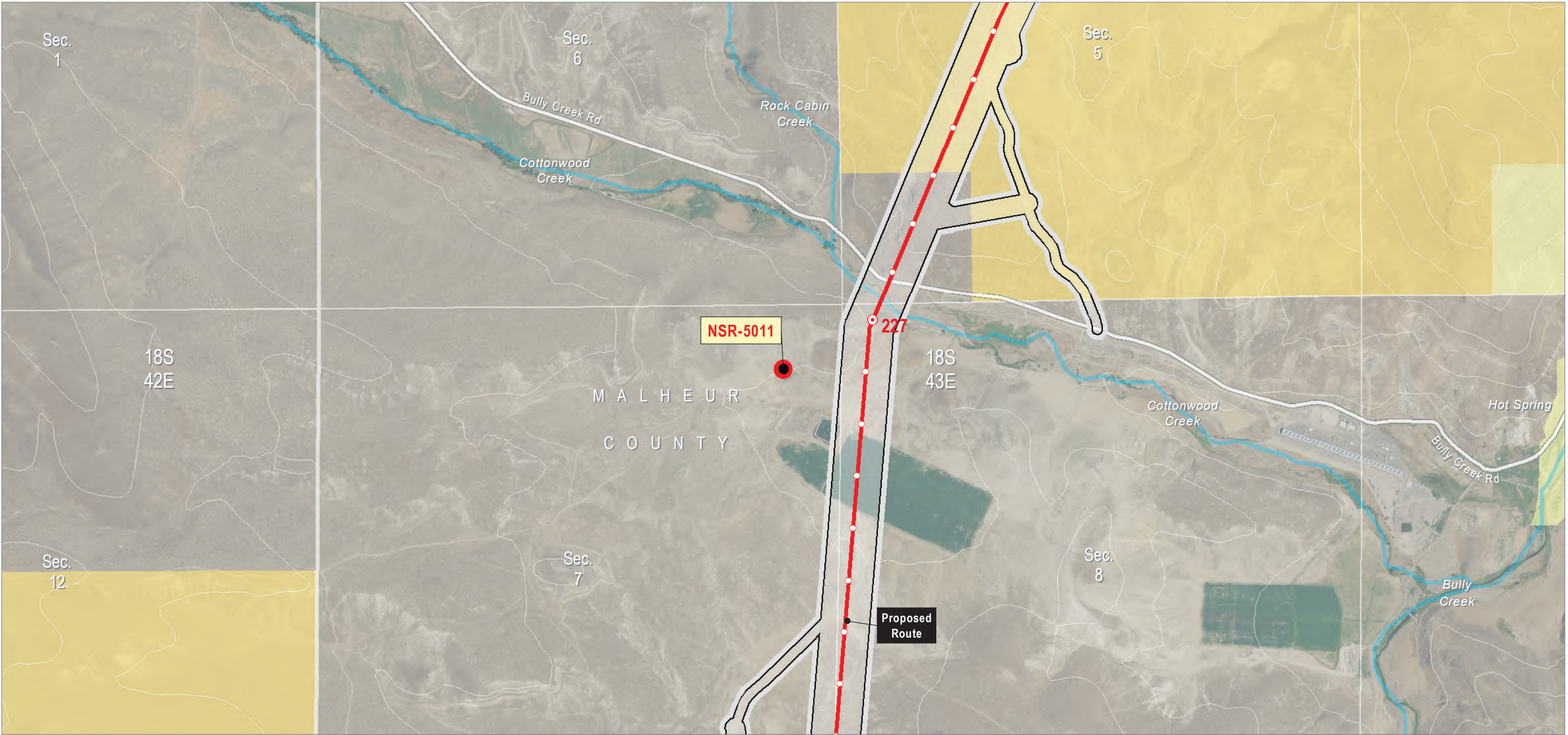
- Noise Sensitive Receptors**
- Predicted Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Bureau of Land Management
- Other Features**
- Bureau of Reclamation
 - Private
 - 100-foot Contours
 - Road
 - Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors
Malheur County
Map 31

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd



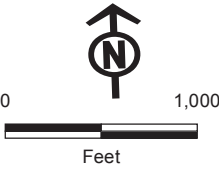
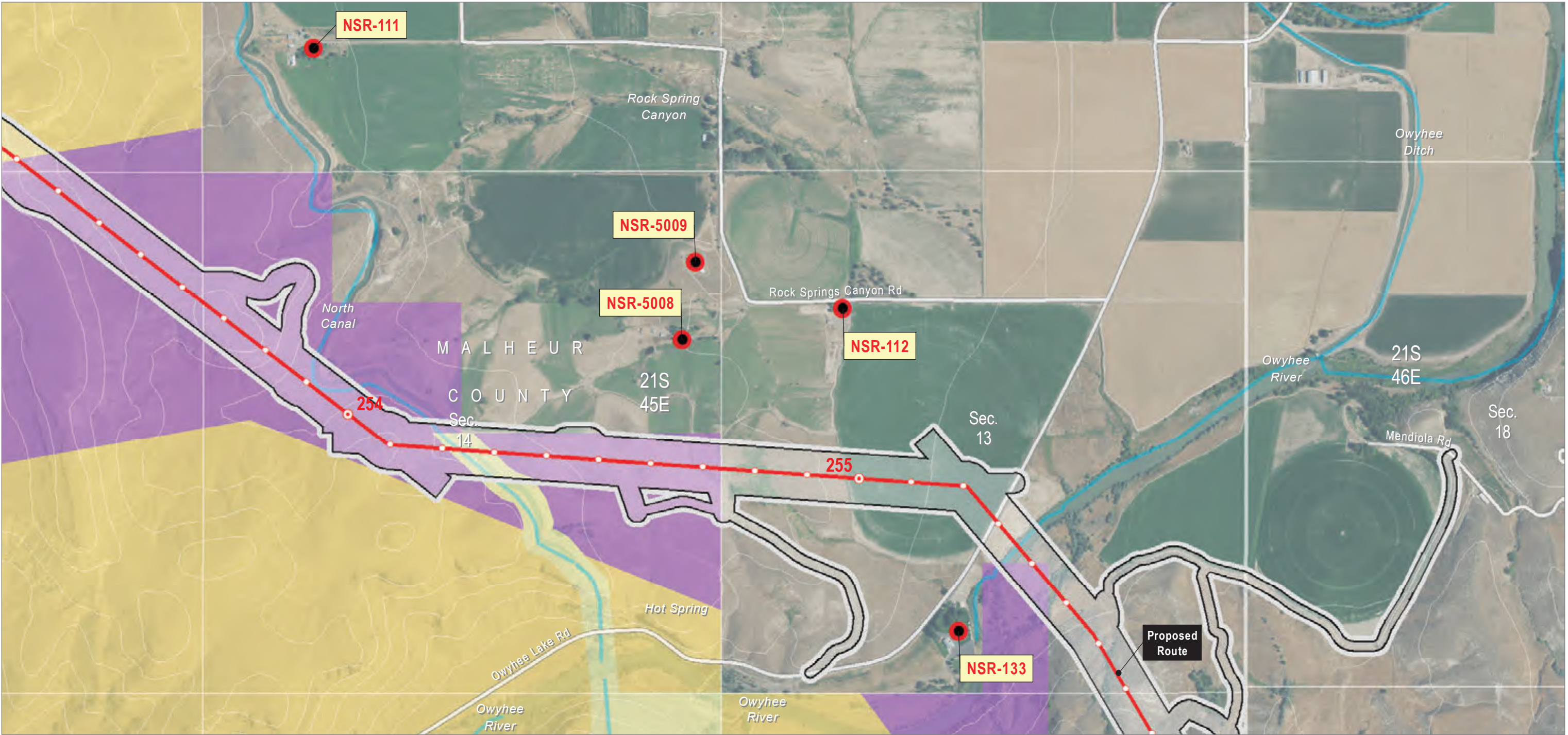
Map Area

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\20190313\ATTACHMENT X-1 Noise_ERRATA.mxd

- Noise Sensitive Receptors**
- Predicted Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Bureau of Land Management
 - Bureau of Reclamation
 - Private
- Other Features**
- 100-foot Contours
 - Road
 - Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate





Map Area

Noise Sensitive Receptors

- Predicted Exceedance

Project Features

- Site Boundary
- Transmission Centerline

Mileposts

- Mile
- Tenth-mile

Land Status

- Bureau of Land Management

- Bureau of Reclamation

- Private

Other Features

- 100-foot Contours
- Road
- Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



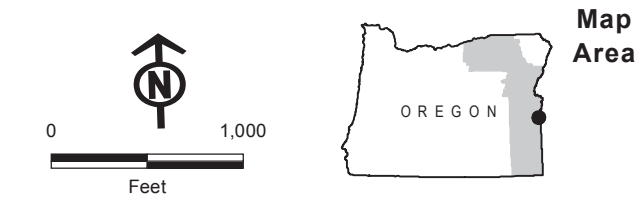
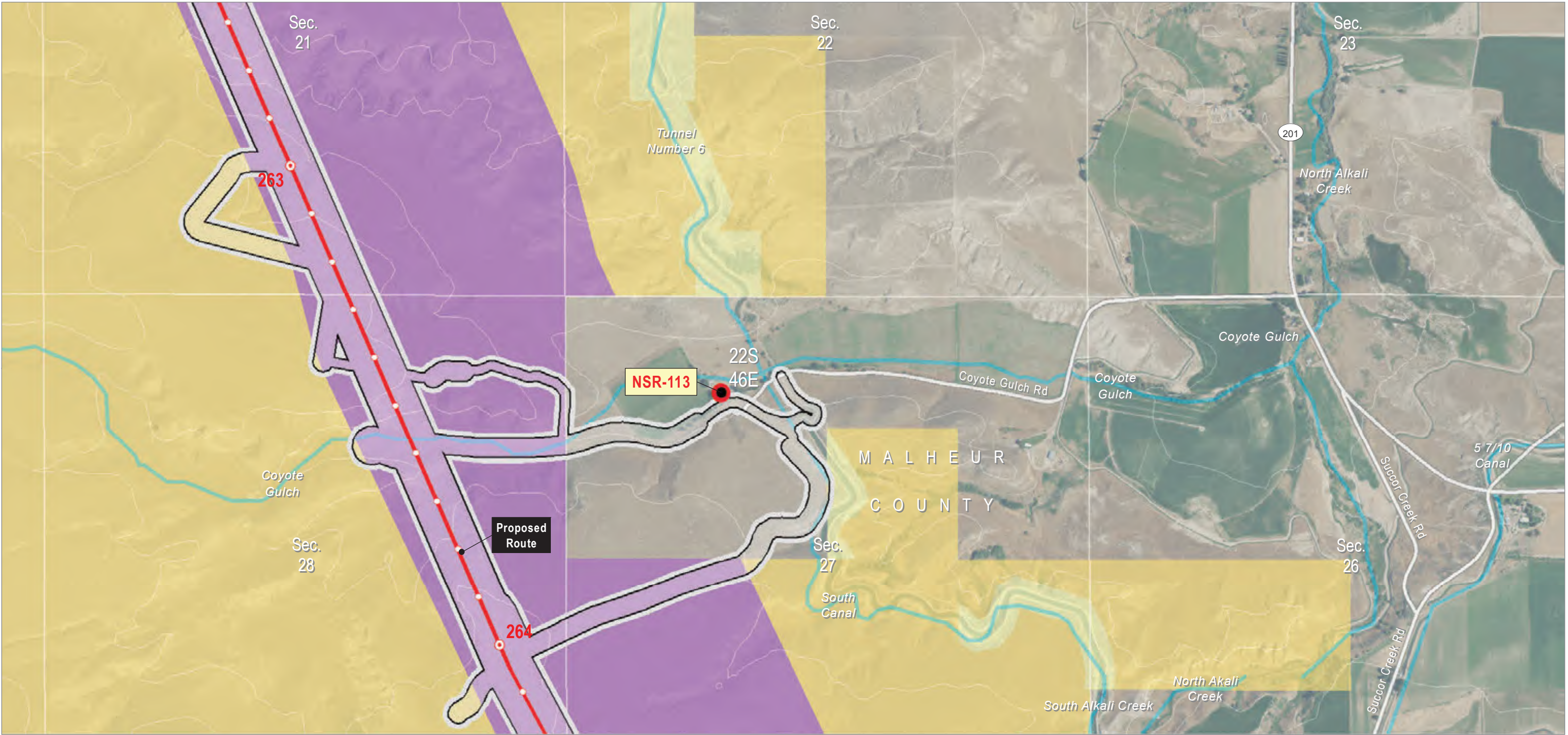
Attachment X-1
Noise Sensitive Receptors

Malheur County

Map 32

Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\ATTACHMENT X-1 Noise_rev 20180622.mxd

- Noise Sensitive Receptors**
- Predicted Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Bureau of Land Management
- Other Features**
- Bureau of Reclamation
 - Private
 - 100-foot Contours
 - Road
 - Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors
Malheur County
Map 33

B2H Exhibit X Errata Sheet

Dear Reader:

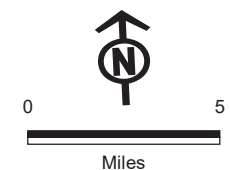
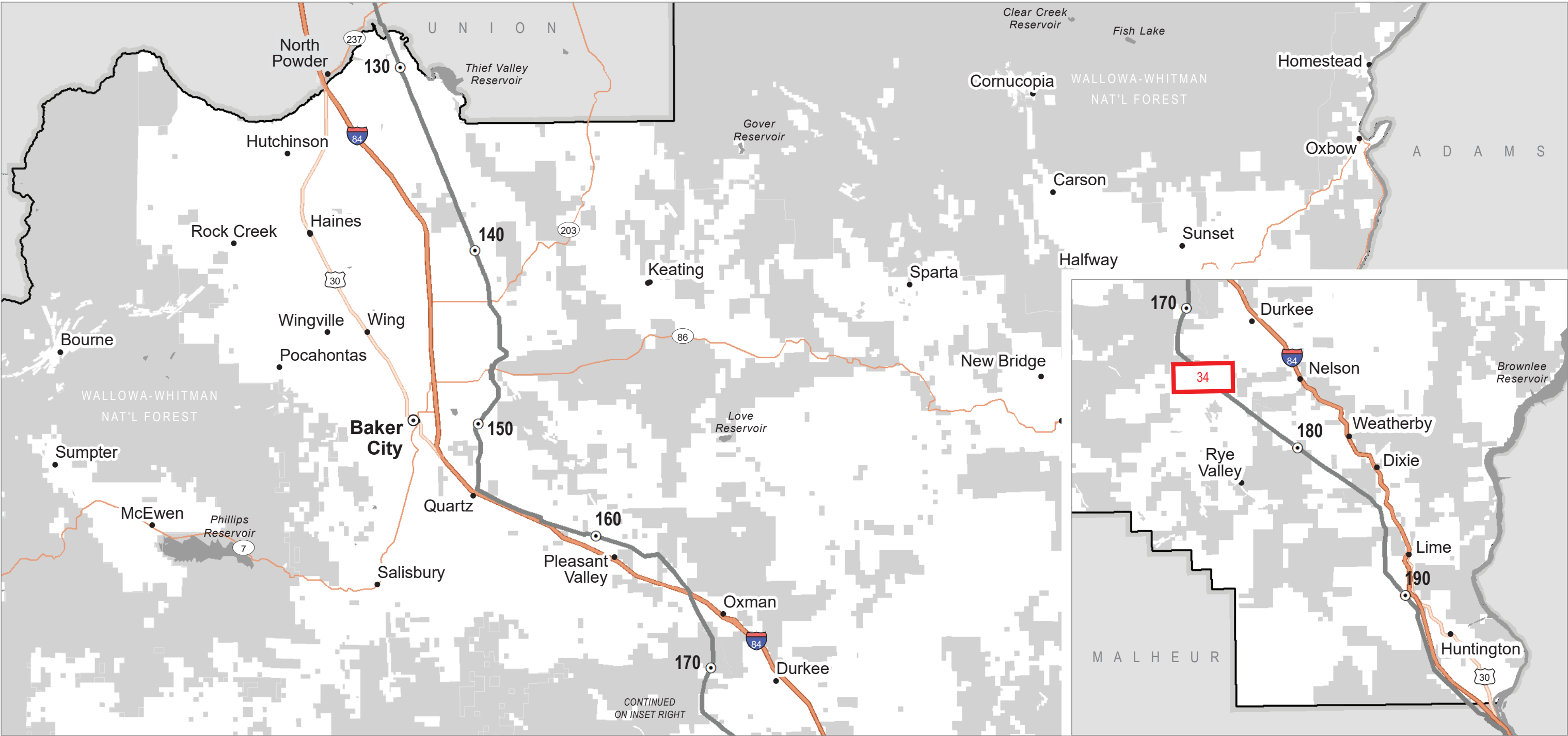
Exhibit X provides analysis of potential noise impacts from the Boardman to Hemingway Transmission Line Project (Project). Exhibit X identifies all noise sensitive receptors (NSRs) within one-half mile of the Site Boundary from noise-generating Project features such as the transmission line, and demonstrates that the relevant Project noise sources will not exceed the Oregon Department of Environmental Quality's (ODEQ) maximum permissible sound level of 50 A-weighted decibels (dBA). Exhibit X also shows, for the majority of NSRs within the analysis area, that the Project will not exceed ODEQ's ambient antidegradation standard, which prohibits new industrial noise sources located on previously unused sites from increasing ambient noise levels by more than 10 dBA. However, Idaho Power Company (IPC) estimates that, at 36 NSRs, the Project may exceed the ambient antidegradation standard during foul weather conditions that occur on average around 2 percent of the calendar year. To address these limited circumstances where an exceedance may occur, IPC requests that the Oregon Energy Facility Siting Council (EFSC or Council) authorize an exception to the Project's compliance with the ambient antidegradation standard on the basis that such exceedances will be infrequent events and that, in all instances where the Project may exceed the ambient antidegradation standard, the noise generated by the Project is below the maximum permissible nighttime sound level (50 dBA). Alternatively, IPC requests that the Council grant a variance on the basis that requiring the Project to strictly comply with the ODEQ Noise Rules is unreasonable and likely to make the Project unpermittable.

The Applicant submitted its final Application for Site Certification on October 3, 2018. Subsequently, the Oregon Department of Energy requested certain additional information about the Project pursuant to Oregon Administrative Rule (OAR) 345-015-0190(9). This errata sheet provides the requested information—which may include corrections to the exhibit text, tables, figures, and/or proposed conditions—as it relates to Exhibit X.

As you read this exhibit, please keep in mind that any additional information identified in this errata sheet shall prevail over the contents of the exhibit document itself.

Additional Information Provided for Exhibit X

Page #	Section #	Description of Change(s) Made
Map 34 and Map 35	Attachment X-5	Map 34 and Map 35 added to Attachment X-5 showing noise sensitive receptors NSR-5010 and NSR-5011.



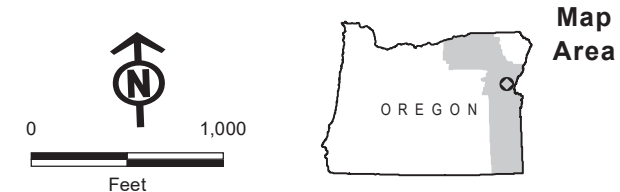
Map Index
Location Map (Map #)

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors
Baker County
Map Index

Source(s): BLM, IPC, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\20190313\Index_Baker_ERRATA.mxd



Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri

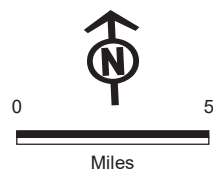
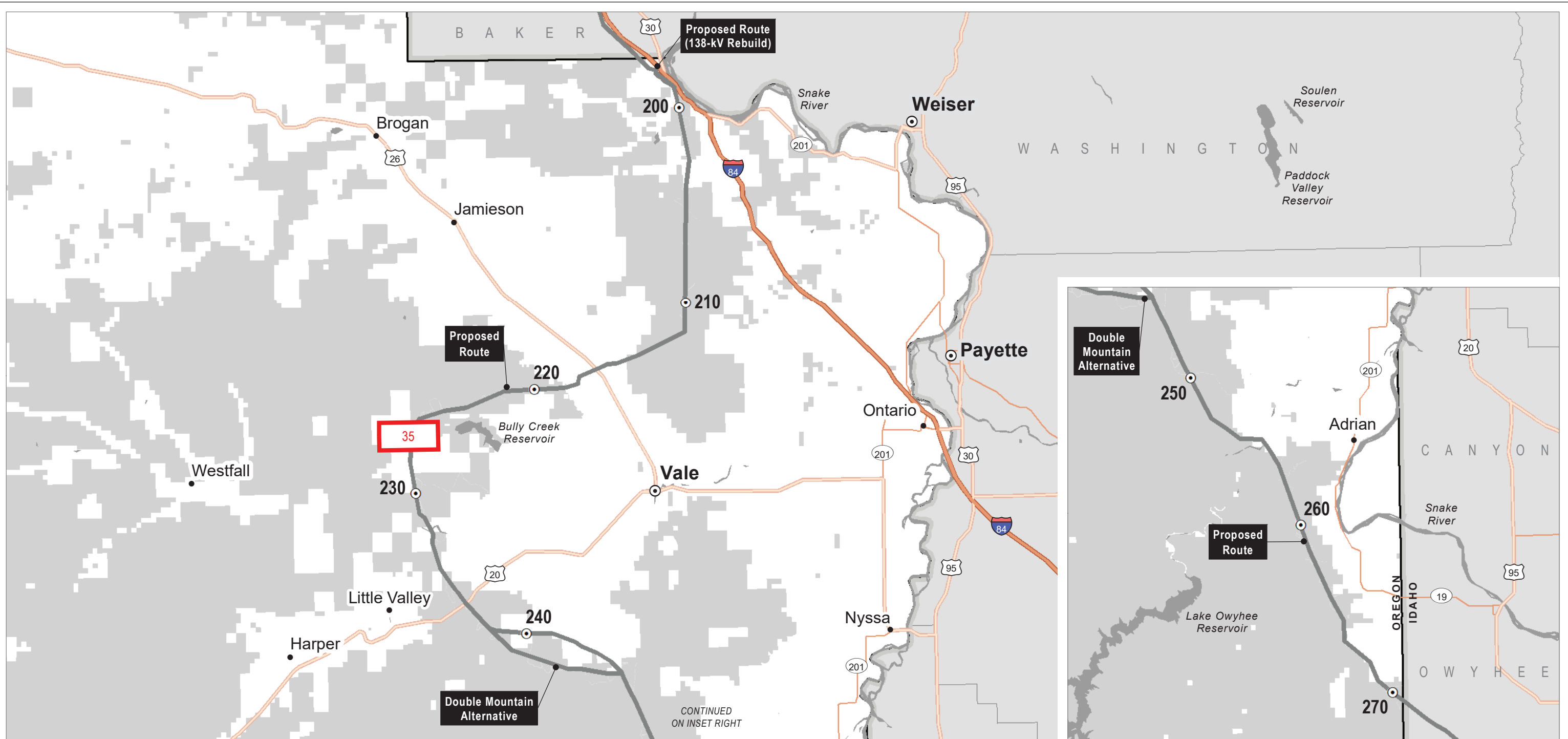
Z:\Util\Serv\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\20190313\ATTACHMENT X-1 Noise_ERRATA.mxd

- Noise Sensitive Receptors**
- Predicted Exceedance
- Project Features**
- Site Boundary
 - Transmission Centerline
- Mileposts**
- Mile
 - Tenth-mile
- Land Status**
- Bureau of Land Management
 - Private
- Other Features**
- 100-foot Contours
 - Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



Attachment X-1
Noise Sensitive Receptors
Baker County
Map 34



Source(s): BLM, IPC, Esri

Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
 ASC\Exhibits\X_Noise\Maps\Attachment X-1\20190313\Index_Malheur_ERRATA.mxd

Map Index

Location Map (Map #)

Boardman to Hemingway Transmission Line Project
 Application for Site Certificate

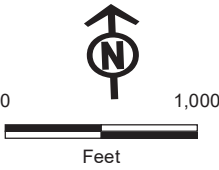
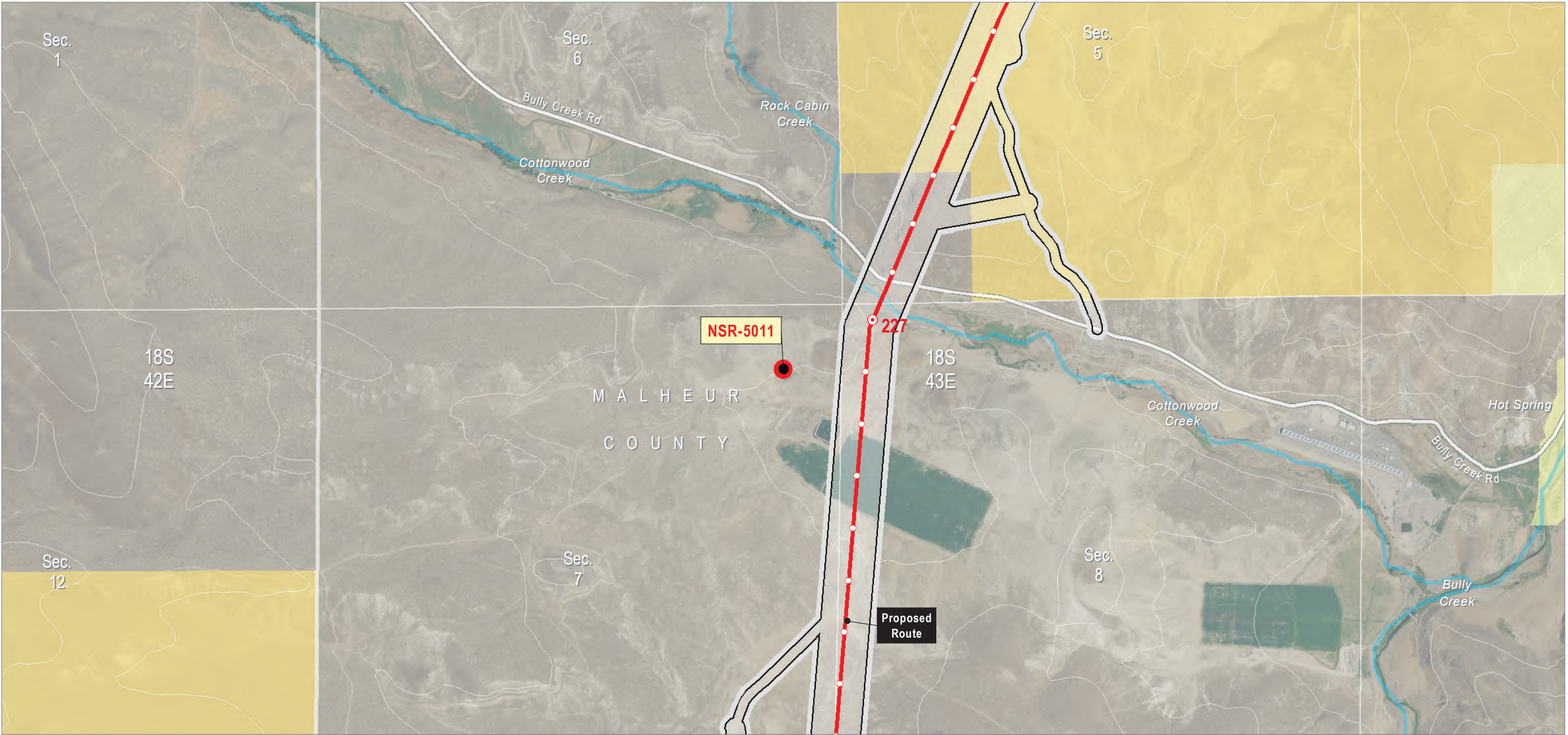


ERRATA

**Attachment X-1
 Noise Sensitive Receptors**

Malheur County

Map Index



Map Area

Noise Sensitive Receptors

- Predicted Exceedance

Project Features

- Site Boundary
- Transmission Centerline

Mileposts

- Mile
- Tenth-mile

Land Status

- Bureau of Land Management

- Bureau of Reclamation

- Private

Other Features

- 100-foot Contours
- Road
- Stream

Boardman to Hemingway Transmission Line Project
Application for Site Certificate



ERRATA

Attachment X-1
Noise Sensitive Receptors
Malheur County
Map 35

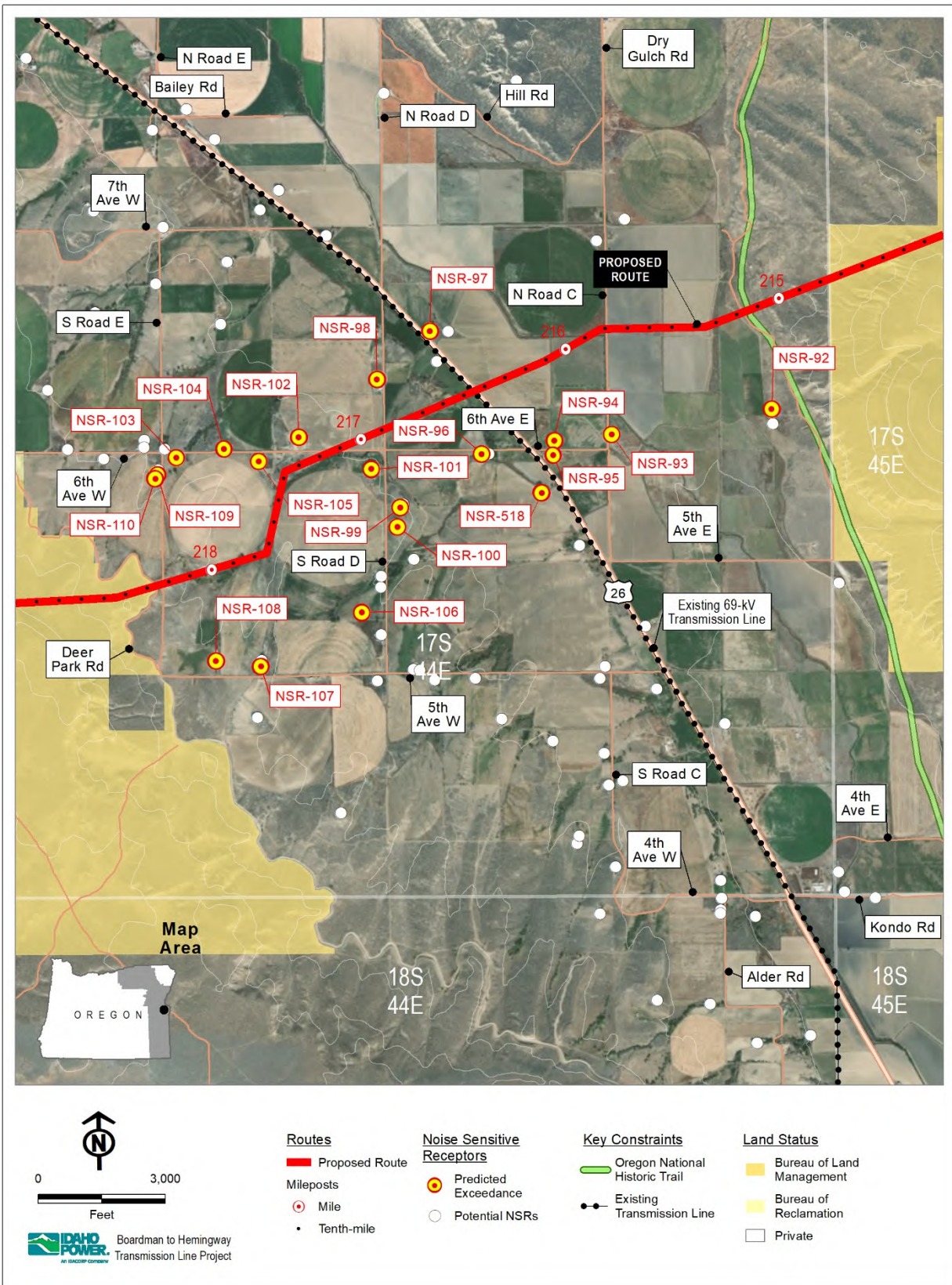
Source(s): IPC, ODOT, USDA, USGS, Ventyx, Esri
Z:\UtilServ\Boardman_Hemingway\Reports\002_Oregon_Energy_Siting_Council\03_Final
ASC\Exhibits\X_Noise\Maps\Attachment X-1\20190313\ATTACHMENT X-1 Noise_ERRATA.mxd

**Boardman to Hemingway Transmission Line Project
Idaho Power's Responses to Public Comments Received by ODOE on the Draft Proposed Order
November 4, 2019**

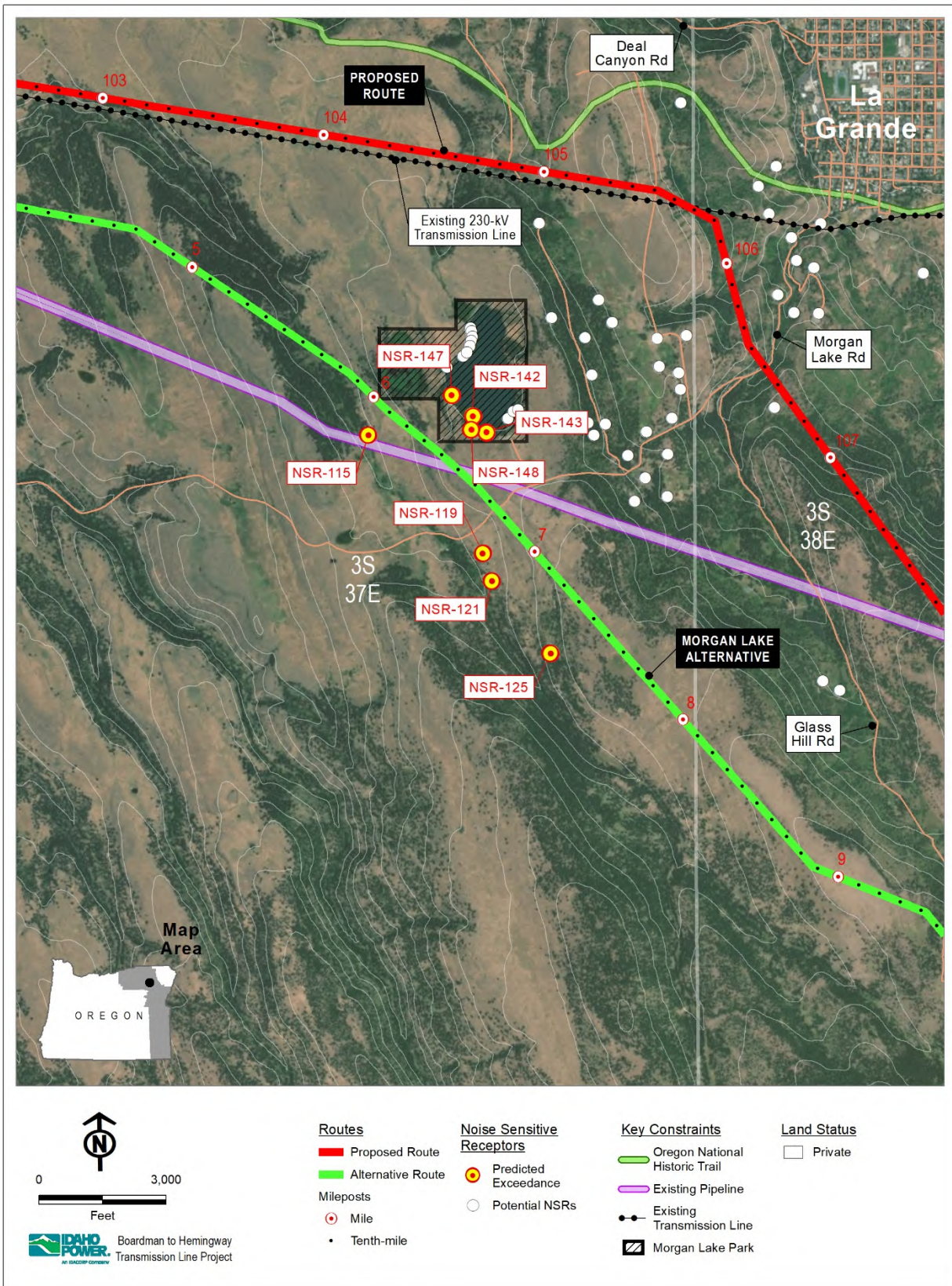
B2HAPP Attachment X-5_Attachment 1 Maps - DPO Response Additional NSR Exceedances

Attachment 1 – Mapset

Boardman to Hemingway Transmission Line Project
Idaho Power's Responses to Public Comments Received by ODOE on the Draft Proposed Order
November 4, 2019



Boardman to Hemingway Transmission Line Project
Idaho Power's Responses to Public Comments Received by ODOE on the Draft Proposed Order
November 4, 2019



In its supplemental noise evaluation submitted in response to comments on the DPO, the applicant identified noise sensitive receptor (NSRs); 142, 143, 147, and 148 at Morgan Lake Park. However, the Department verified with the City of La Grande that these areas are not campgrounds but are day use areas, and therefore should not be included as a property normally used for sleeping under the DEQ noise rules, as included by the applicant. The Department omitted these day use areas from Table NC-3 in the order and in the evaluation of compliance with the DEQ noise rules. These areas in the above figure are not considered NSRs because they are day use areas. B2HAPPDoc13 DPO IPC Responses to Select DPO Comments Rec'd by 2019-11-07; B2HAPP DPO IPC Responses - StopB2H - 4. Noise - 2nd Supplemental Response 2019-11-06, B2HAPPDoc1 Proposed Order Agency Consultation_City of La Grande_Spence 2020-04-15.

