




Enlarged Area Above

**Project Features**

 Surveyed

 Noxious Weed

**Habitat Types**

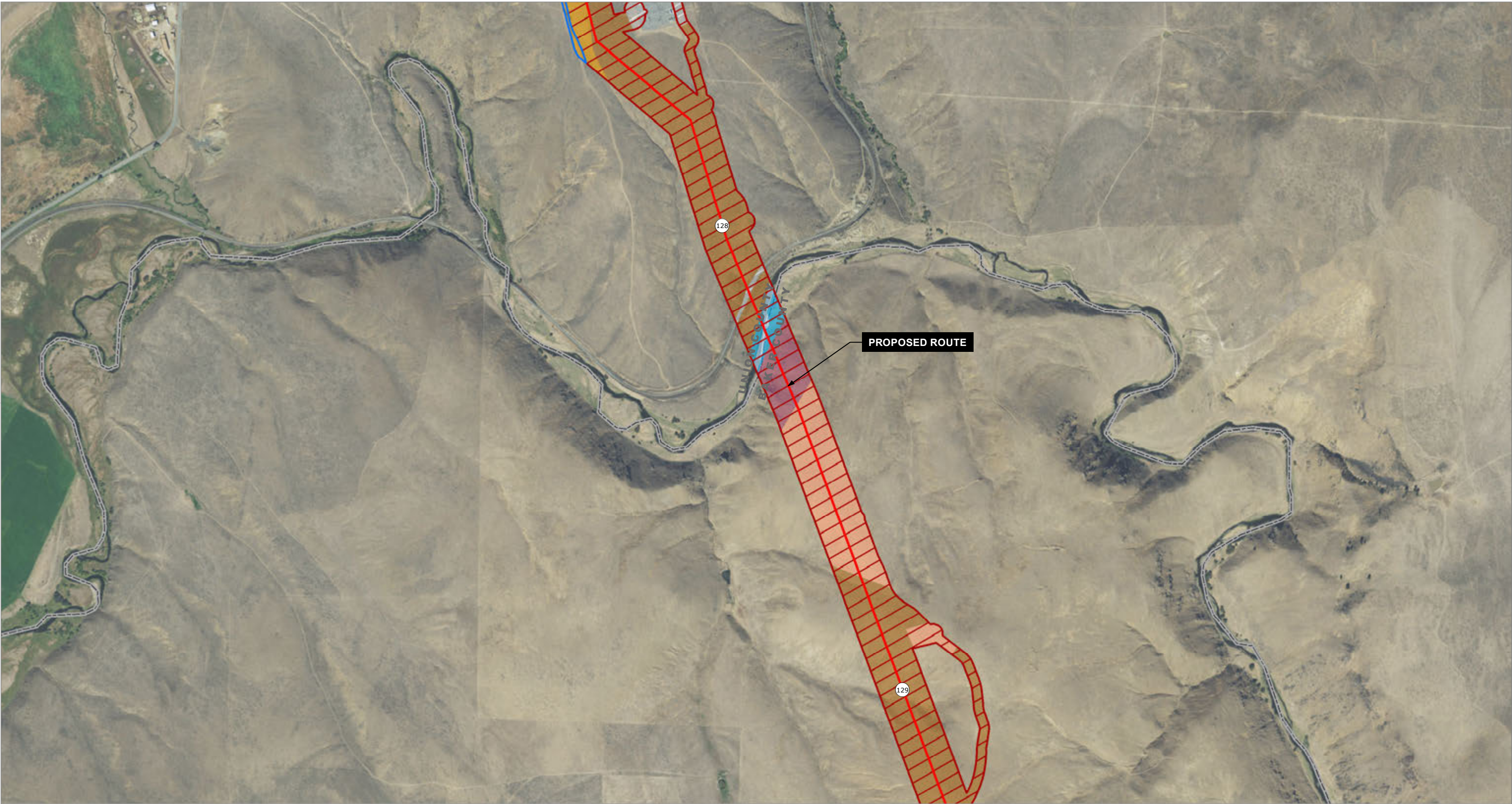
 Other - Shrub/Grass

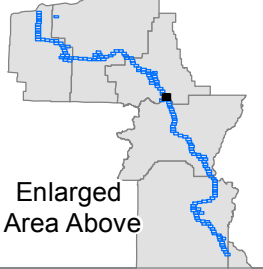



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 77 of 154







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Habitat Types**

- Other - Shrub/Grass
- Native Grasslands
- Emergent Wetland
- Perennial Streams
- Developed/Disturbed
- Shrub-Steppe with Big Sage
- Shrub-Steppe without Big Sage

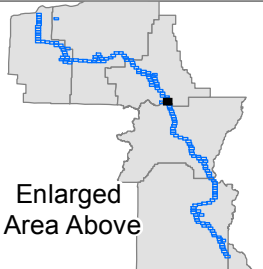



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 78 of 154








Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

- Other - Shrub/Grass
- Native Grasslands
- Shrub-Steppe with Big Sage

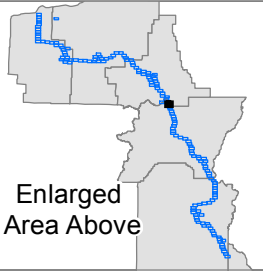



Boardman to Hemingway Transmission Line Project

**Habitat Types and Noxious Weed Results**

Figure 79 of 154















Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Other - Shrub/Grass
-  Ponds and Lakes
-  Shrub-Steppe with Big Sage





Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 80 of 154














Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Other - Shrub/Grass
-  Shrub-Steppe with Big Sage

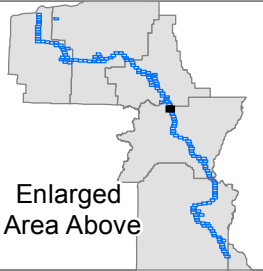



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 81 of 154












Enlarged Area Above


**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

**Noxious Weed**

-  Noxious Weed

**Habitat Types**

-  Shrub-Steppe with Big Sage

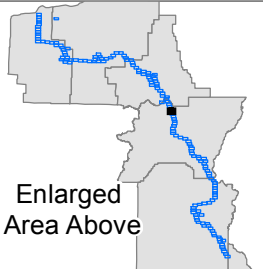



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 82 of 154














Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Shrub-Steppe with Big Sage
-  Shrub-Steppe without Big Sage

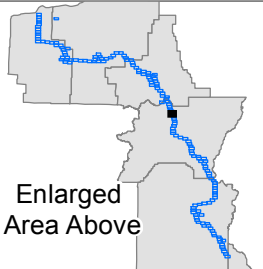



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 83 of 154













Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Shrub-Steppe with Big Sage

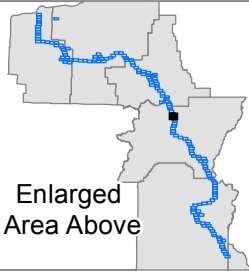



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 84 of 154











Enlarged Area Above


**Project Features**

-  Surveyed
-  Milepost
-  Proposed Route

**Noxious Weed**

 Noxious Weed

**Habitat Types**

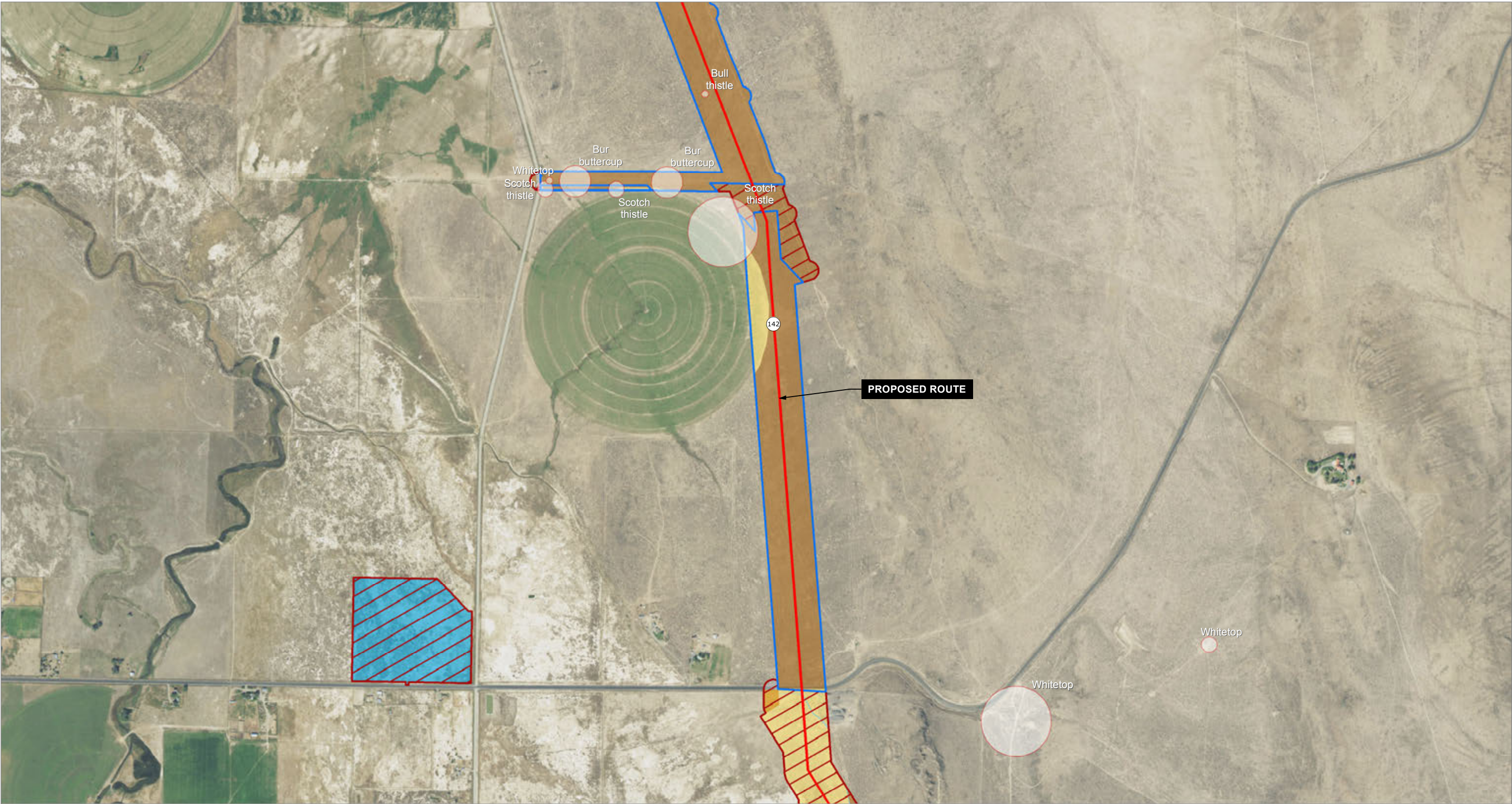
 Shrub-Steppe with Big Sage

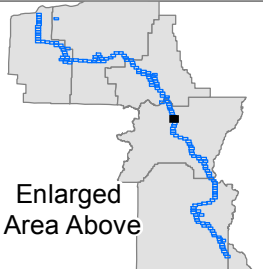



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 85 of 154


















Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Other - Shrub/Grass
-  Emergent Wetland
-  Intermittent Streams
-  Developed/Disturbed
-  Agriculture
-  Shrub-Steppe with Big Sage


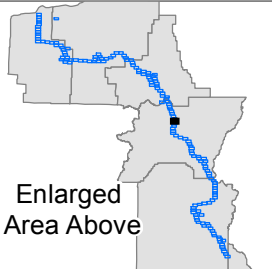


Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 86 of 154








**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

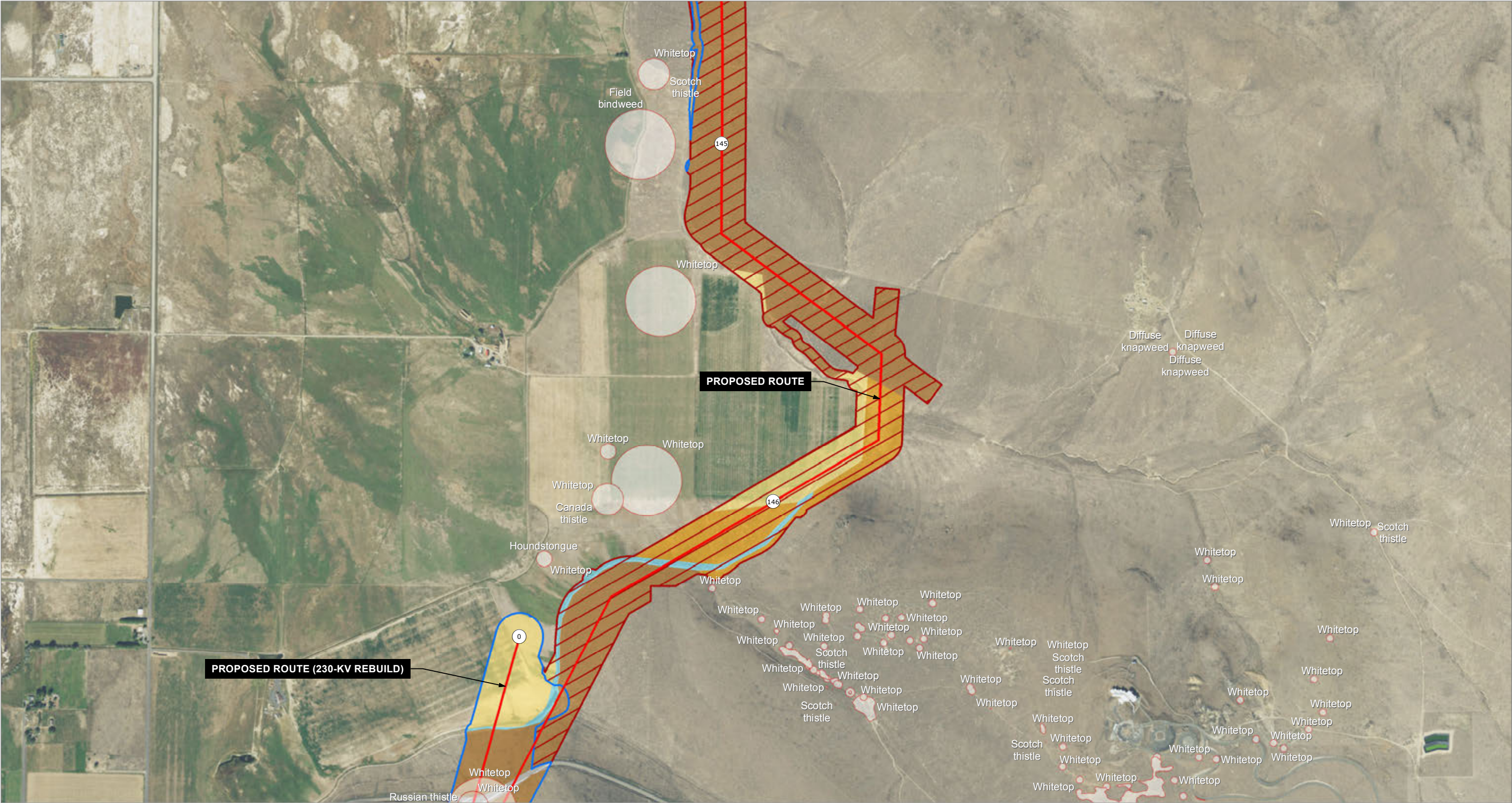
- Intermittent Streams
- Agriculture
- Shrub-Steppe with Big Sage

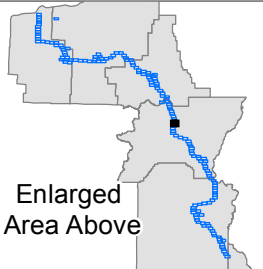



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 87 of 154

















Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

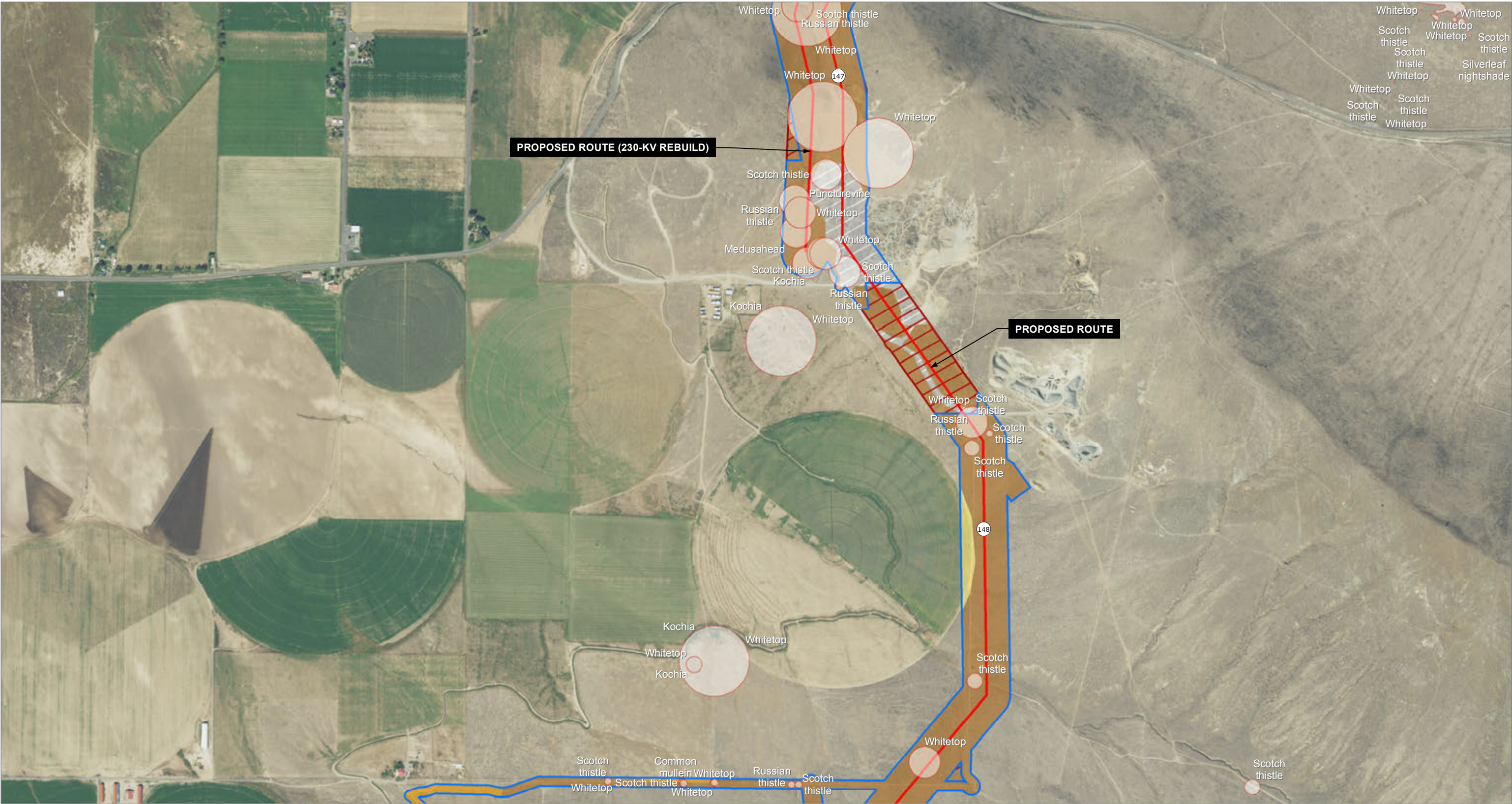
-  Other - Shrub/Grass
-  Intermittent Streams
-  Developed/Disturbed
-  Agriculture
-  Shrub-Steppe with Big Sage

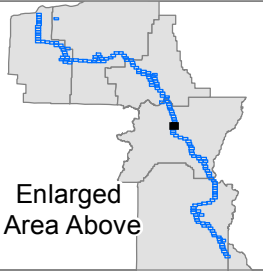



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 88 of 154







Enlarged Area Above

Project Features	Noxious Weed	Habitat Types	
Surveyed	Noxious Weed	Other - Shrub/Grass	Agriculture
Not Surveyed		Developed/Disturbed	Shrub-Steppe with Big Sage
Milepost			
Proposed Route			

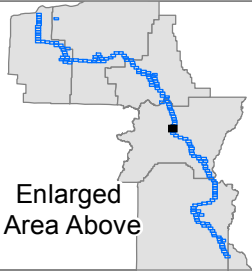



Boardman to Hemingway Transmission Line Project

**Habitat Types and Noxious Weed Results**

Figure 89 of 154







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

Noxious Weed

**Habitat Types**

- Agriculture
- Shrub-Steppe with Big Sage
- Other - Shrub/Grass

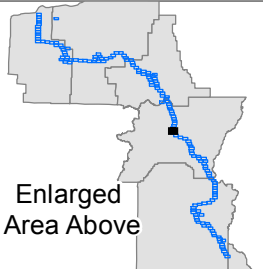
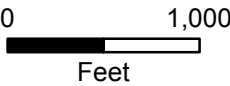


Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 90 of 154







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Habitat Types**

- Noxious Weed
- Shrub-Steppe with Big Sage

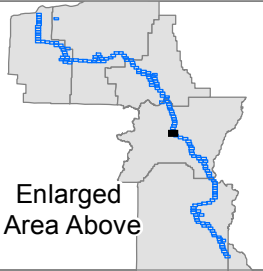



Boardman to Hemingway Transmission Line Project

**Habitat Types and Noxious Weed Results**

Figure 91 of 154












Enlarged Area Above


**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

**Noxious Weed**

-  Noxious Weed

**Habitat Types**

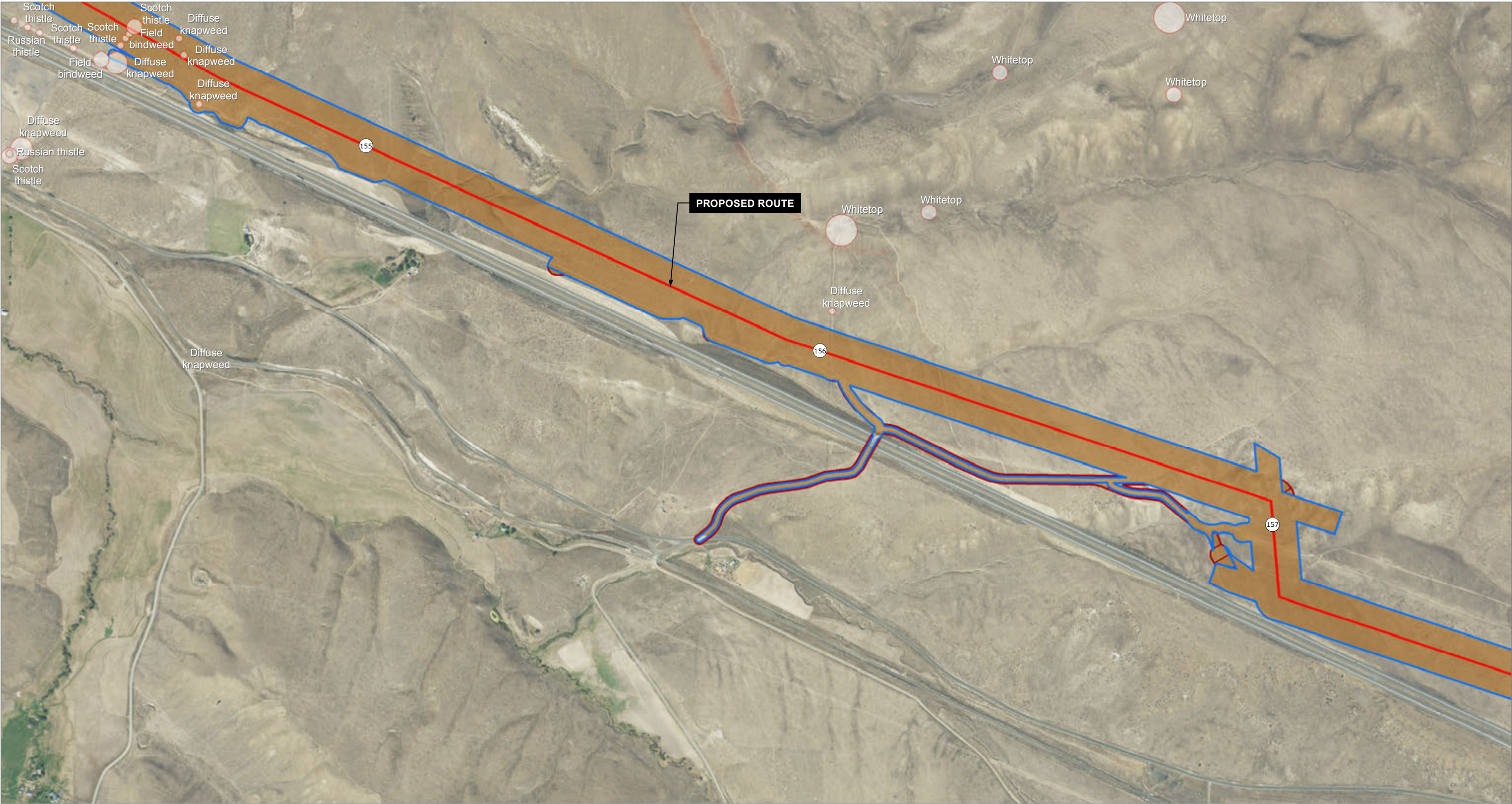
-  Shrub-Steppe with Big Sage

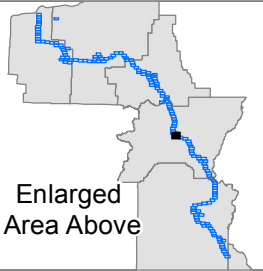



Boardman to Hemingway Transmission Line Project

**Habitat Types and Noxious Weed Results**

Figure 92 of 154







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Habitat Types**

- Developed/Disturbed
- Shrub-Steppe with Big Sage

**Noxious Weed**

- Noxious Weed

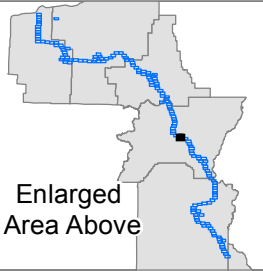



**Boardman to Hemingway Transmission Line Project**

**Habitat Types and Noxious Weed Results**

Figure 93 of 154














Enlarged Area Above


**Project Features**


-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Emergent Wetland
-  Developed/Disturbed

 Agriculture

 Shrub-Steppe with Big Sage

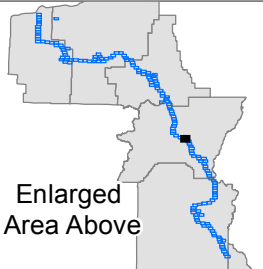



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 94 of 154








Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

- Other - Shrub/Grass
- Native Grasslands
- Ponds and Lakes

Agriculture

Shrub-Steppe with Big Sage

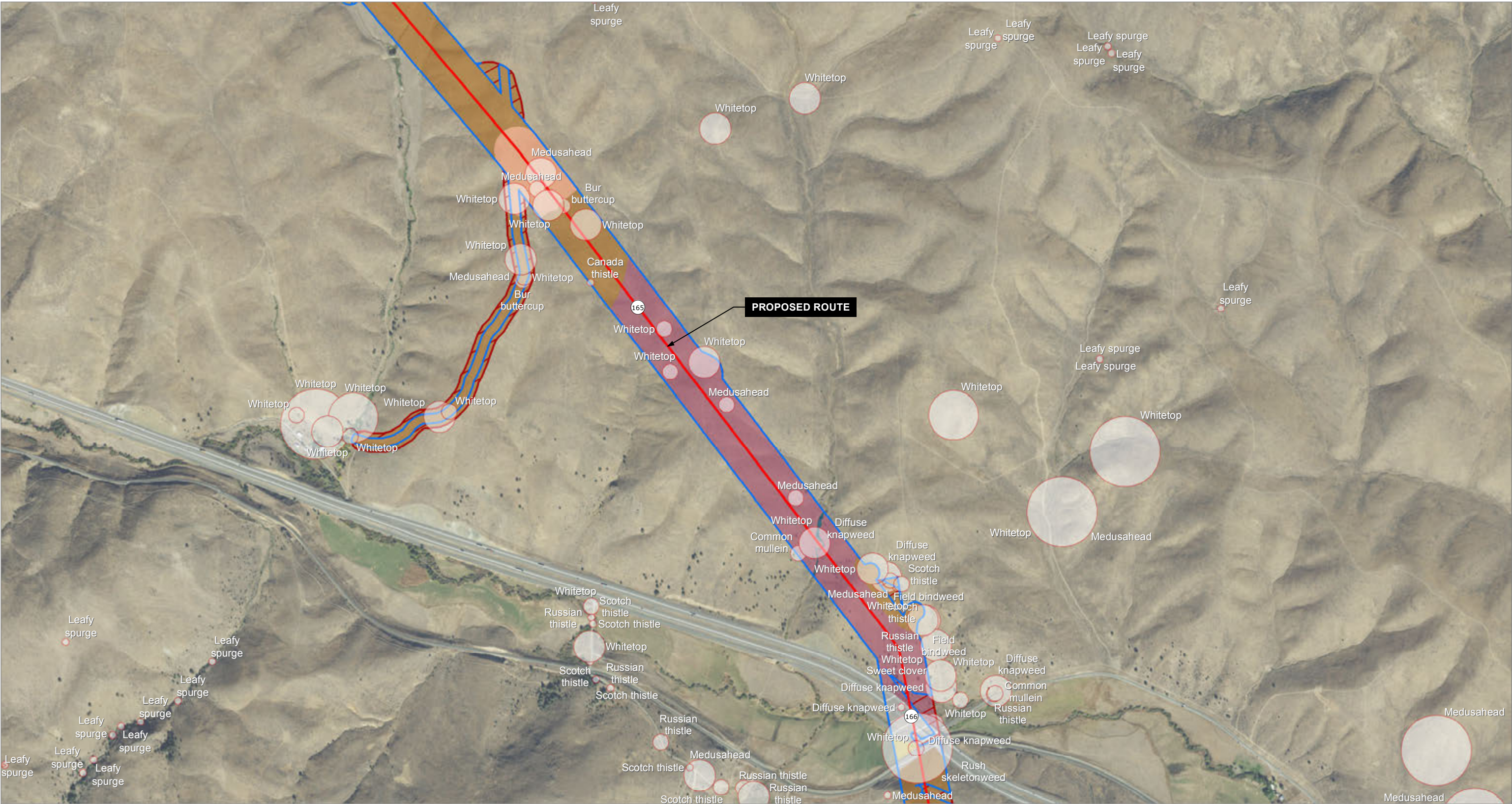
Shrub-Steppe without Big Sage

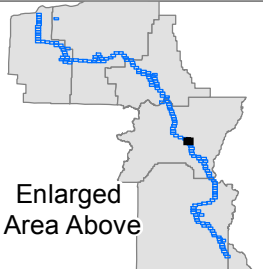



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**





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**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Other - Shrub/Grass
-  Native Grasslands
-  Forested Wetland
-  Developed/Disturbed
-  Agriculture
-  Shrub-Steppe with Big Sage
-  Shrub-Steppe without Big Sage

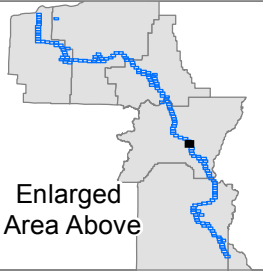



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 96 of 154

















Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

**Habitat Types**

-  Other - Shrub/Grass
-  Native Grasslands
-  Shrub-Steppe with Big Sage
-  Shrub-Steppe without Big Sage
-  Western Juniper/Mountain Mahogany Woodland

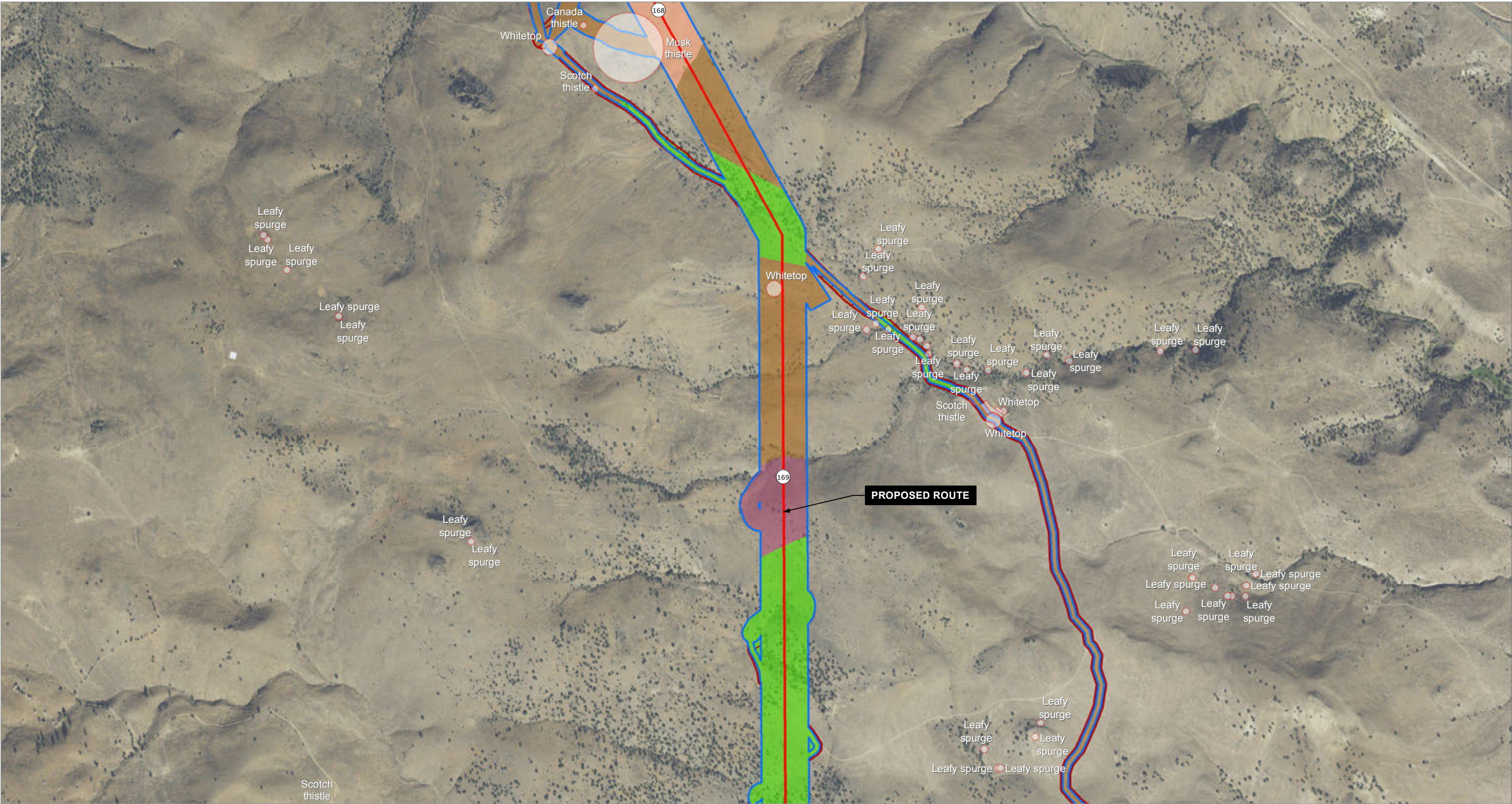
 Noxious Weed


**Boardman to Hemingway Transmission Line Project**

**Habitat Types and Noxious Weed Results**

Figure 97 of 154







**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

**Habitat Types**

-  Native Grasslands
-  Shrub-Steppe with Big Sage
-  Shrub-Steppe without Big Sage
-  Western Juniper/Mountain Mahogany Woodland

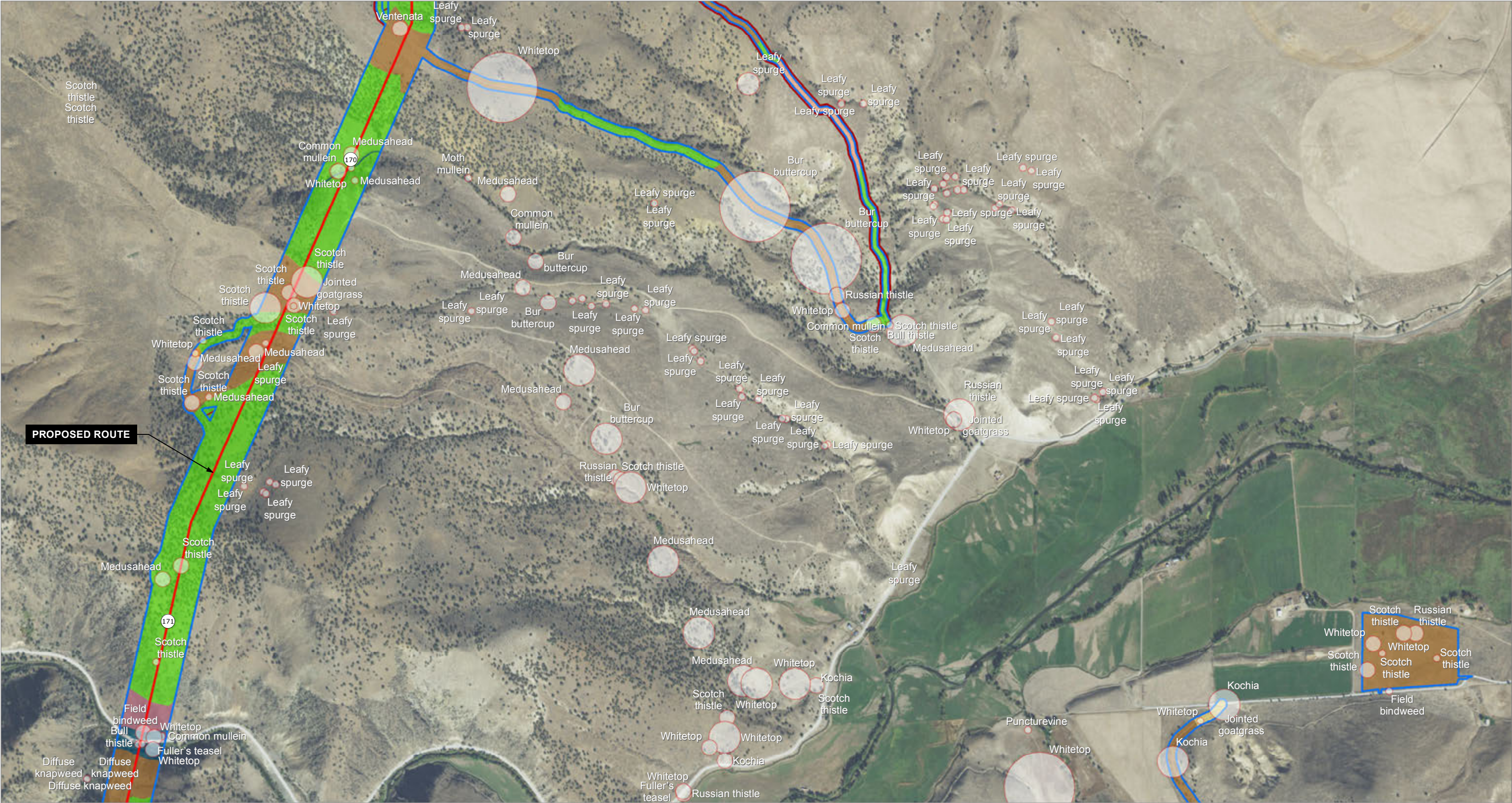
 Noxious Weed

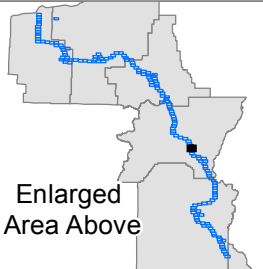



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 98 of 154







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Habitat Types**

- Other - Shrub/Grass
- Native Grasslands
- Forested Wetland
- Developed/Disturbed

**Noxious Weed**

- Noxious Weed

**Agriculture**

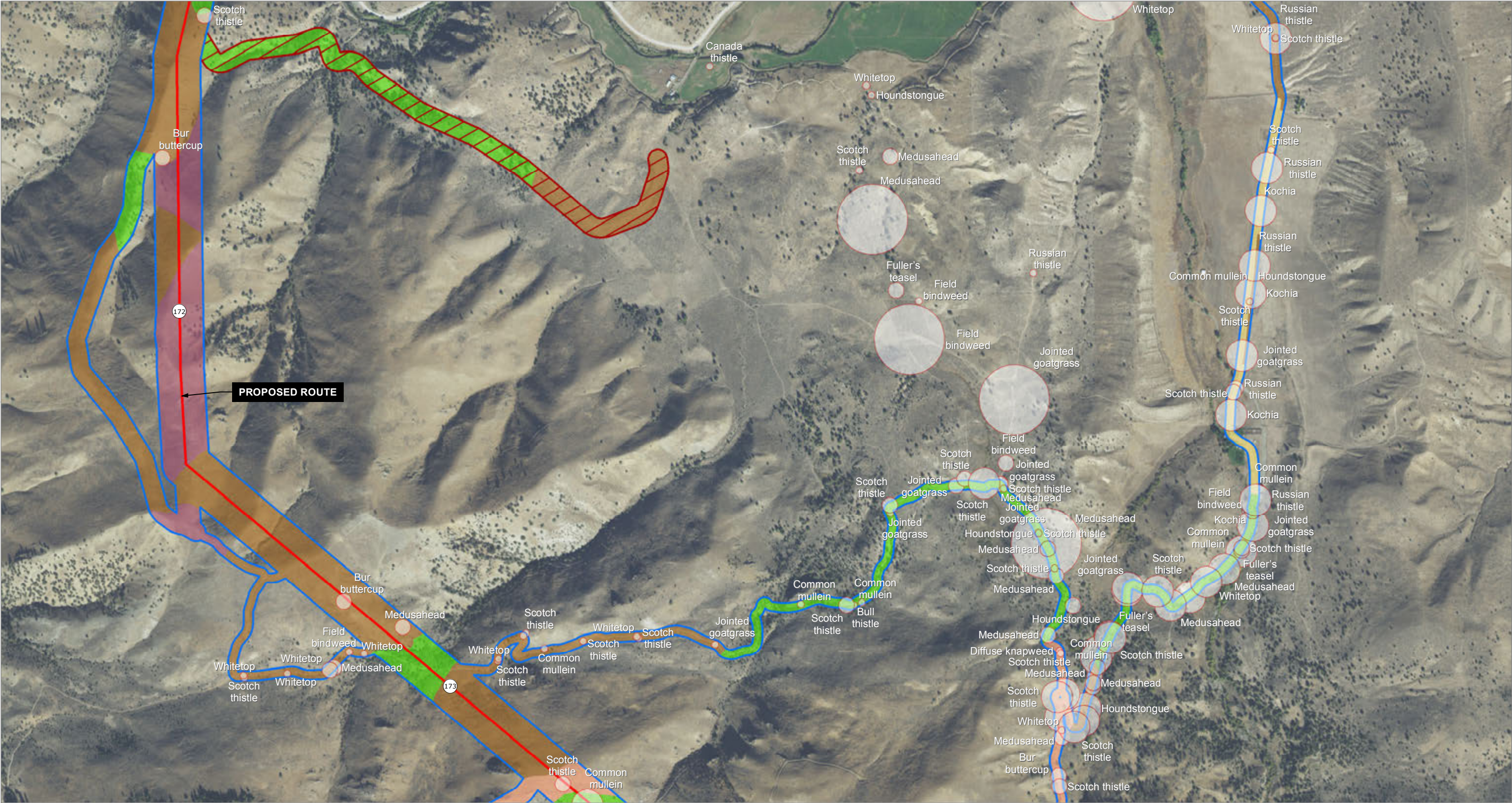
- Agriculture
- Shrub-Steppe with Big Sage
- Shrub-Steppe without Big Sage
- Western Juniper/Mountain Mahogany Woodland

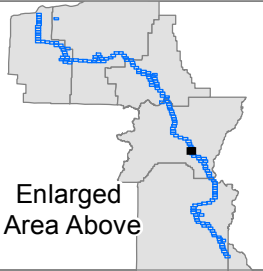



**Boardman to Hemingway Transmission Line Project**

**Habitat Types and Noxious Weed Results**

Figure 99 of 154







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Habitat Types**

- Native Grasslands
- Forested Wetland
- Emergent Wetland

**Noxious Weed**

- Noxious Weed

**Habitat Types**

- Agriculture
- Shrub-Steppe with Big Sage
- Shrub-Steppe without Big Sage
- Western Juniper/Mountain Mahogany Woodland

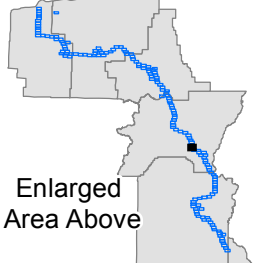



**Boardman to Hemingway Transmission Line Project**

**Habitat Types and Noxious Weed Results**

Figure 100 of 154

















Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Shrub-Steppe with Big Sage
-  Native Grasslands
-  Forested Wetland
-  Western Juniper/Mountain Mahogany Woodland
-  Mixed Grand Fir/Douglas Fir

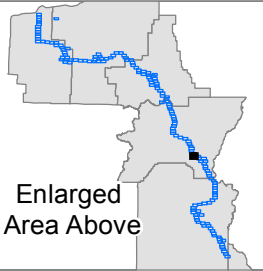



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 101 of 154







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Habitat Types**

- Shrub-Steppe with Big Sage
- Other - Shrub/Grass
- Forested Wetland
- Emergent Wetland

**Noxious Weed**

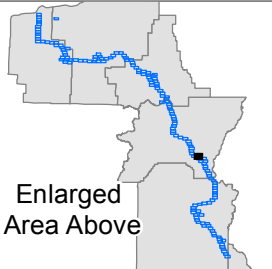



- Whitetop
- Scotch thistle
- Canada thistle
- Sulfur cinquefoil
- Bur buttercup
- Field bindweed
- Common mullein
- Fuller's teasel
- Medusahead

**Habitat Types and Noxious Weed Results**

Figure 102 of 154








**Project Features**

- Surveyed
- Not Surveyed
- Proposed Route

**Noxious Weed**



**Habitat Types**

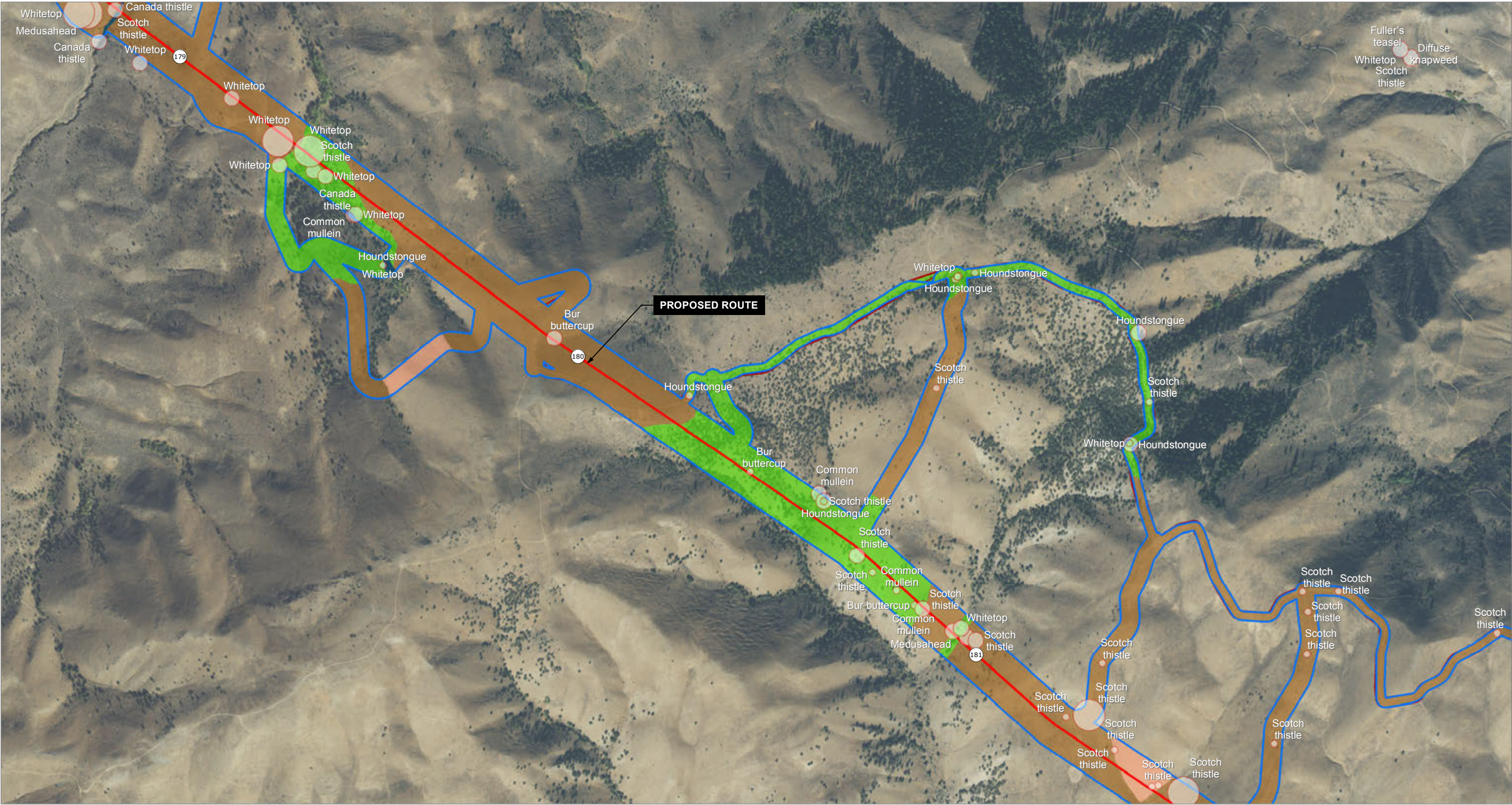
- Other - Shrub/Grass
- Forested Wetland
- Shrub-Steppe with Big Sage
- Western Juniper/Mountain Mahogany Woodland

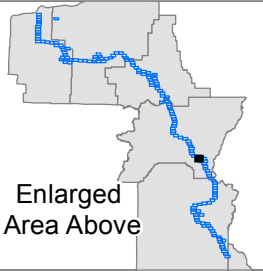
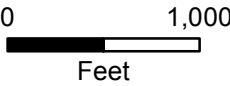


Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 103 of 154
















Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Shrub-Steppe with Big Sage
-  Native Grasslands
-  Forested Wetland
-  Western Juniper/Mountain Mahogany Woodland

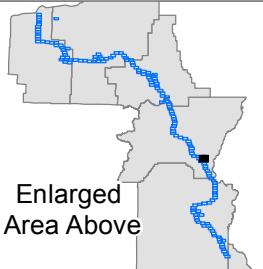



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

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Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed

**Habitat Types**

-  Shrub-Steppe with Big Sage

Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

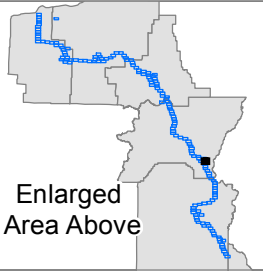



Figure 105 of 154


















Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

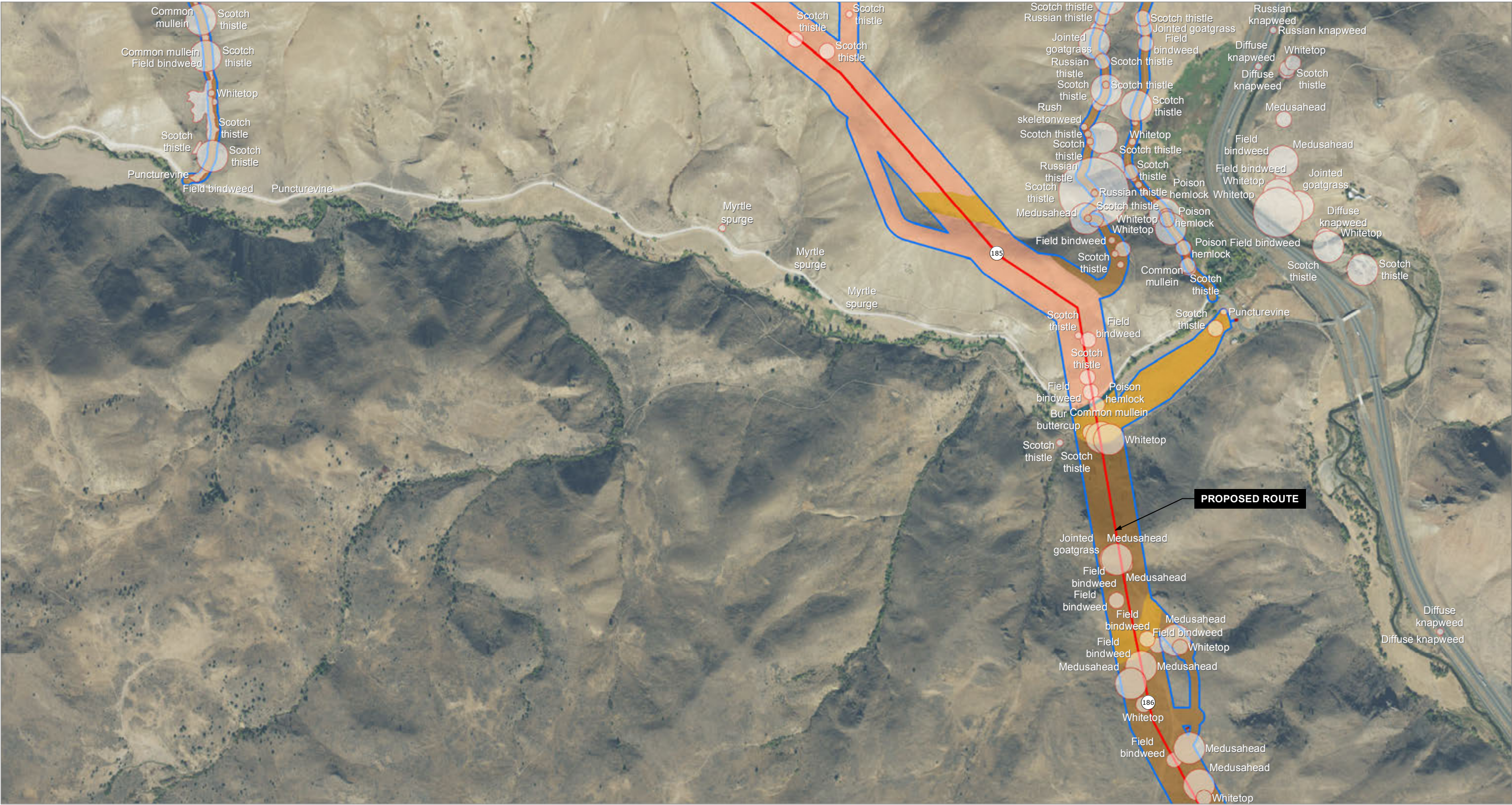
-  Native Grasslands
-  Shrub-Steppe with Big Sage

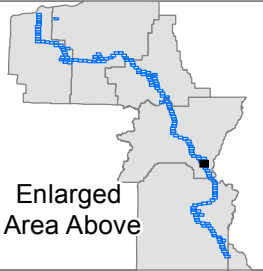
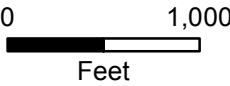


Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 107 of 154








**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

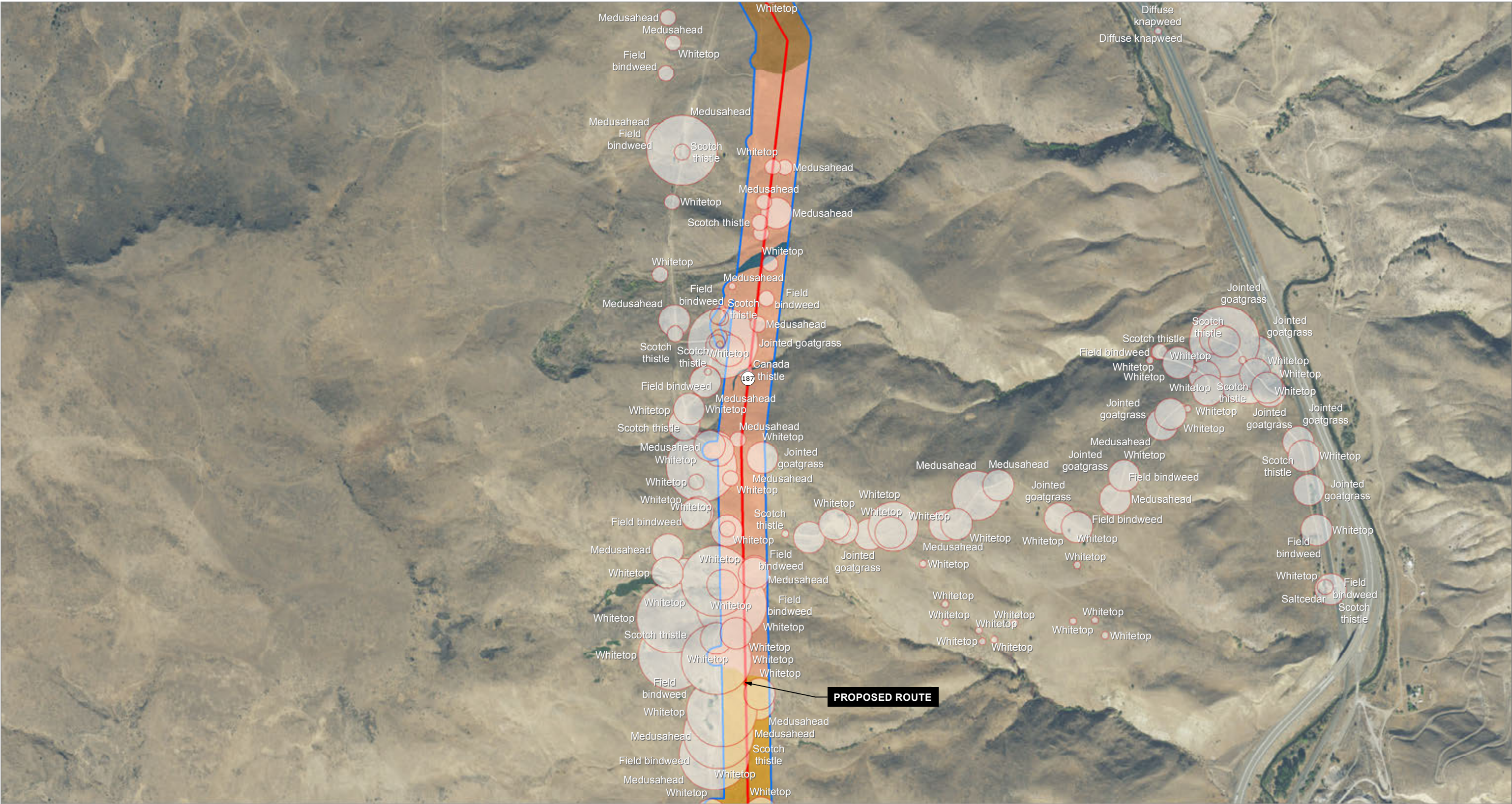
- Other - Shrub/Grass
- Native Grasslands
- Forested Wetland
- Shrub-Steppe with Big Sage

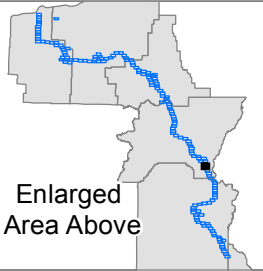



Boardman to Hemingway Transmission Line Project

**Habitat Types and Noxious Weed Results**





Figure 108 of 154












**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Other - Shrub/Grass
-  Native Grasslands
-  Forested Wetland
-  Shrub-Steppe with Big Sage

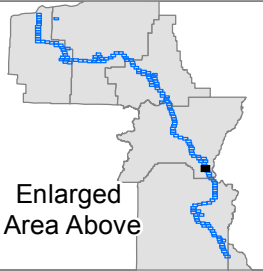



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 109 of 154







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Habitat Types**

- Other - Shrub/Grass
- Native Grasslands

**Noxious Weed**

- Noxious Weed

**Forested Wetland**

- Forested Wetland
- Scrub-Shrub Wetland
- Shrub-Steppe with Big Sage

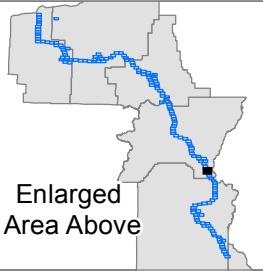



Boardman to Hemingway Transmission Line Project

**Habitat Types and Noxious Weed Results**

Figure 110 of 154







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Habitat Types**

- Other - Shrub/Grass
- Native Grasslands
- Forested Wetland

**Noxious Weed**

- Jointed goatgrass
- Medusahead
- Scotch thistle
- Whitetop
- Bur buttercup
- Field bindweed
- Puncturevine

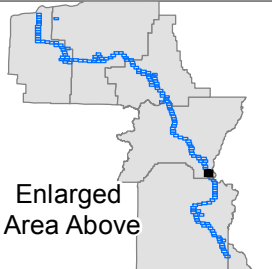



Boardman to Hemingway Transmission Line Project

**Habitat Types and Noxious Weed Results**

Figure 111 of 154







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

Noxious Weed

**Habitat Types**

- Other - Shrub/Grass
- Native Grasslands
- Forested Wetland
- Developed/Disturbed
- Shrub-Steppe with Big Sage

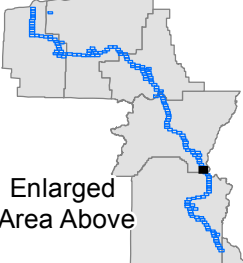



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 112 of 154








Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

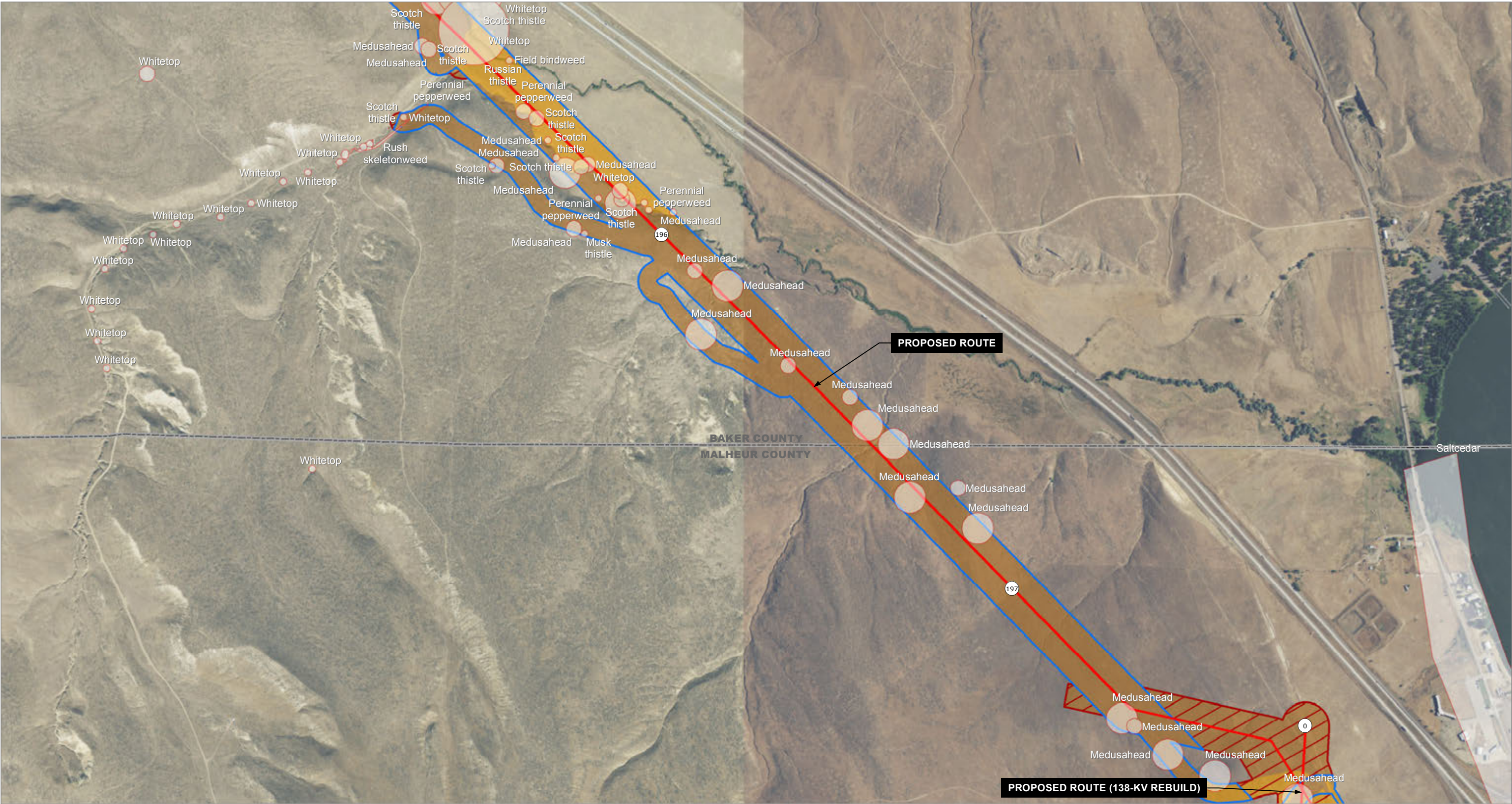
- Other - Shrub/Grass
- Native Grasslands
- Forested Wetland
- Shrub-Steppe with Big Sage
- Shrub-Steppe without Big Sage





Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 113 of 154














Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Other - Shrub/Grass
-  Shrub-Steppe with Big Sage

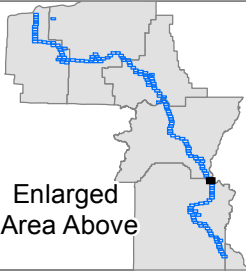



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 114 of 154







Enlarged Area Above

Project Features	
	Surveyed
	Not Surveyed
	Milepost
	Proposed Route

	Noxious Weed
--	--------------

Habitat Types	
	Other - Shrub/Grass
	Native Grasslands
	Forested Wetland

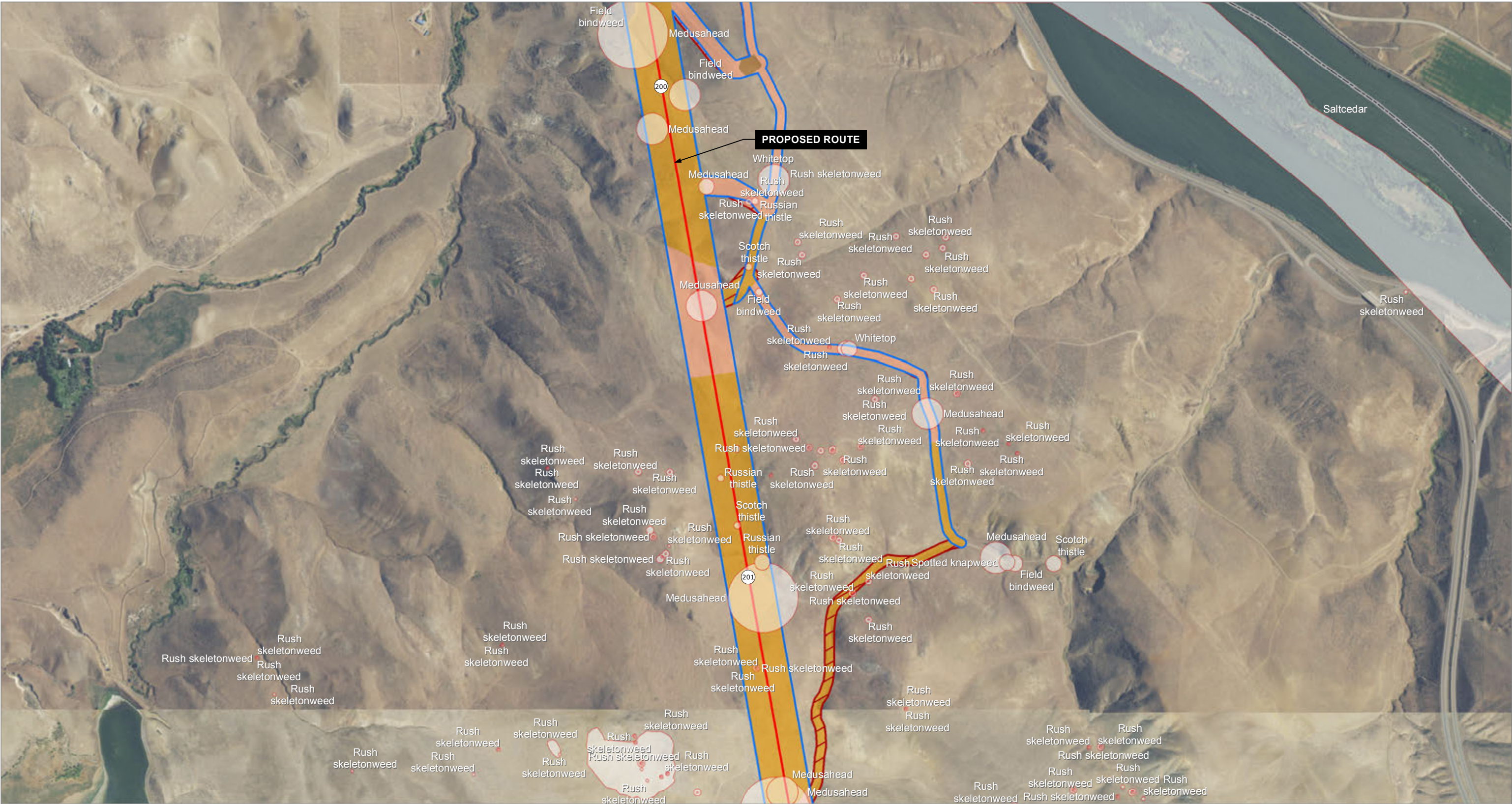
	Developed/Disturbed
	Agriculture
	Shrub-Steppe with Big Sage

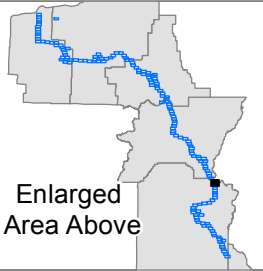



Boardman to Hemingway Transmission Line Project

**Habitat Types and Noxious Weed Results**





Figure 115 of 154











**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

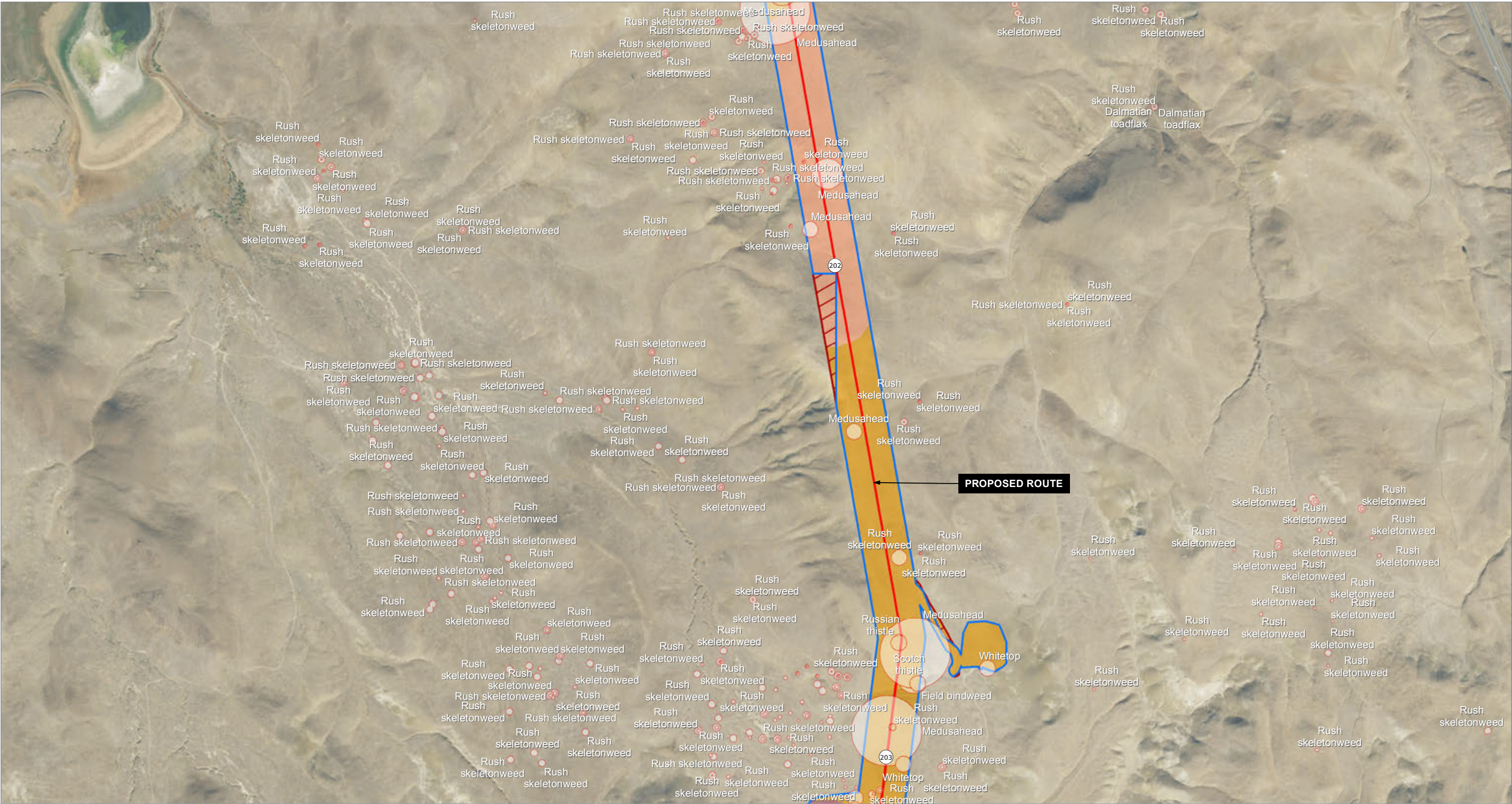
-  Other - Shrub/Grass
-  Native Grasslands
-  Shrub-Steppe with Big Sage

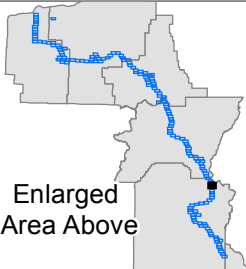



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 116 of 154















Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Other - Shrub/Grass
-  Native Grasslands
-  Shrub-Steppe without Big Sage

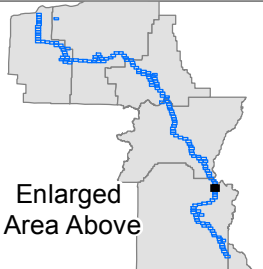



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 117 of 154








**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

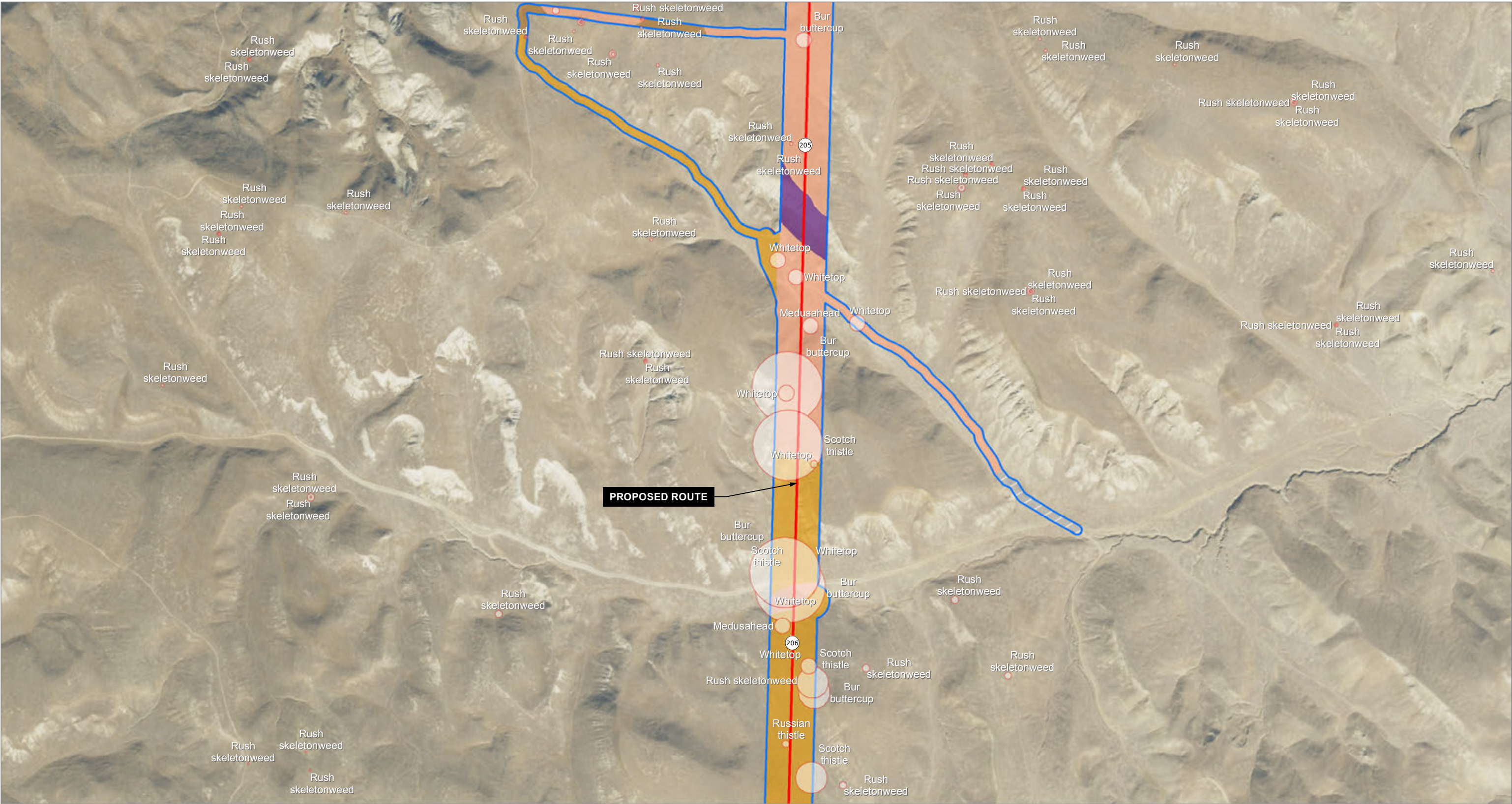
- Other - Shrub/Grass
- Native Grasslands
- Shrub-Steppe with Big Sage
- Shrub-Steppe without Big Sage

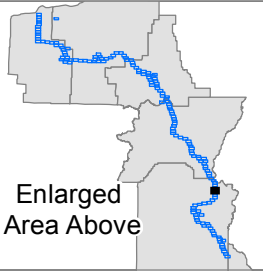



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**





Figure 118 of 154













**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Bare Ground Cliffs Talus
-  Other - Shrub/Grass
-  Native Grasslands
-  Developed/Disturbed
-  Shrub-Steppe with Big Sage

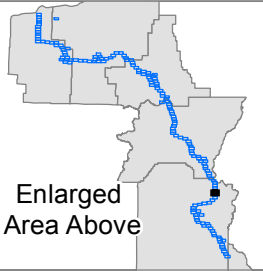



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 119 of 154















Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

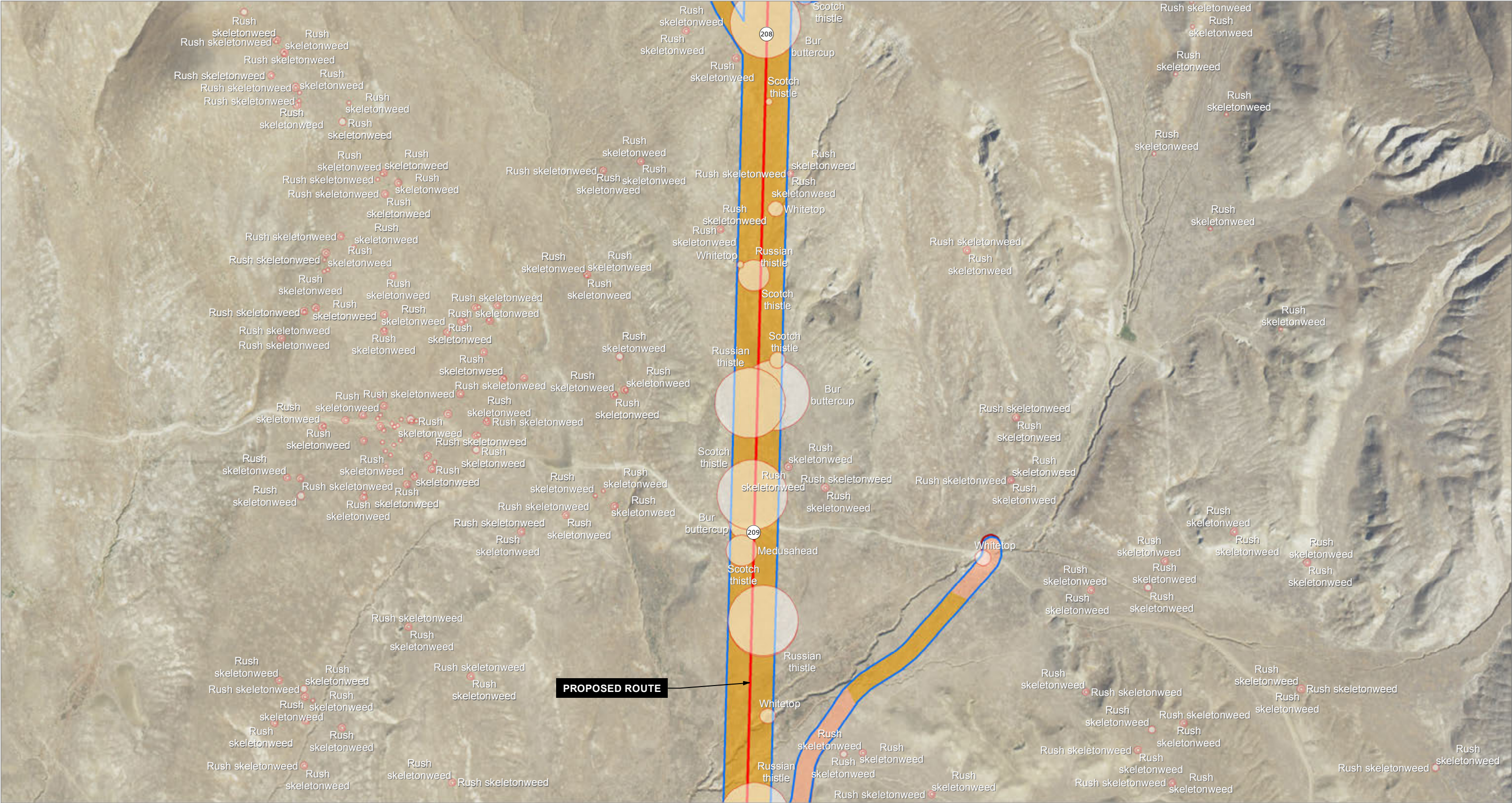
-  Other - Shrub/Grass
-  Native Grasslands
-  Shrub-Steppe without Big Sage

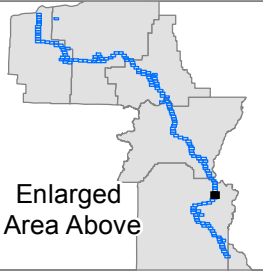



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 120 of 154







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Habitat Types**

- Other - Shrub/Grass
- Native Grasslands

**Noxious Weed**

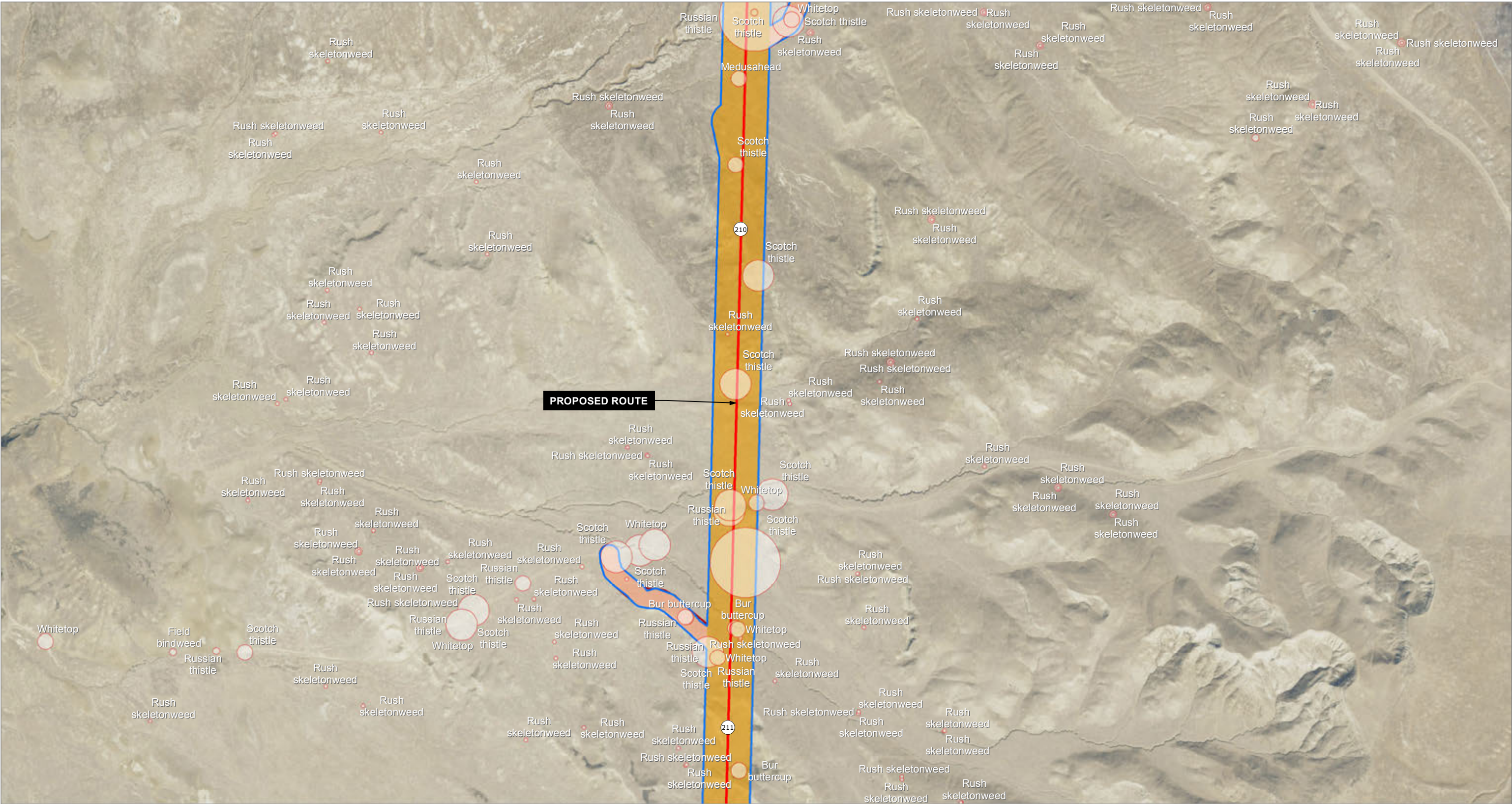
- Rush skeletonweed

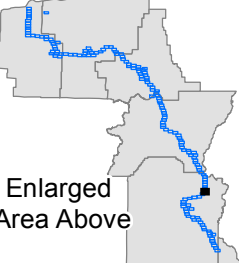



**Boardman to Hemingway Transmission Line Project**

**Habitat Types and Noxious Weed Results**

Figure 121 of 154














Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Other - Shrub/Grass
-  Native Grasslands

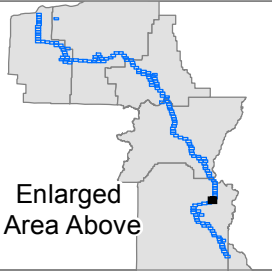



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 122 of 154







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Habitat Types**

- Other - Shrub/Grass

**Noxious Weed**

- Noxious Weed

**Shrub-Steppe without Big Sage**

- Shrub-Steppe without Big Sage

Boardman to Hemingway  
Transmission Line Project

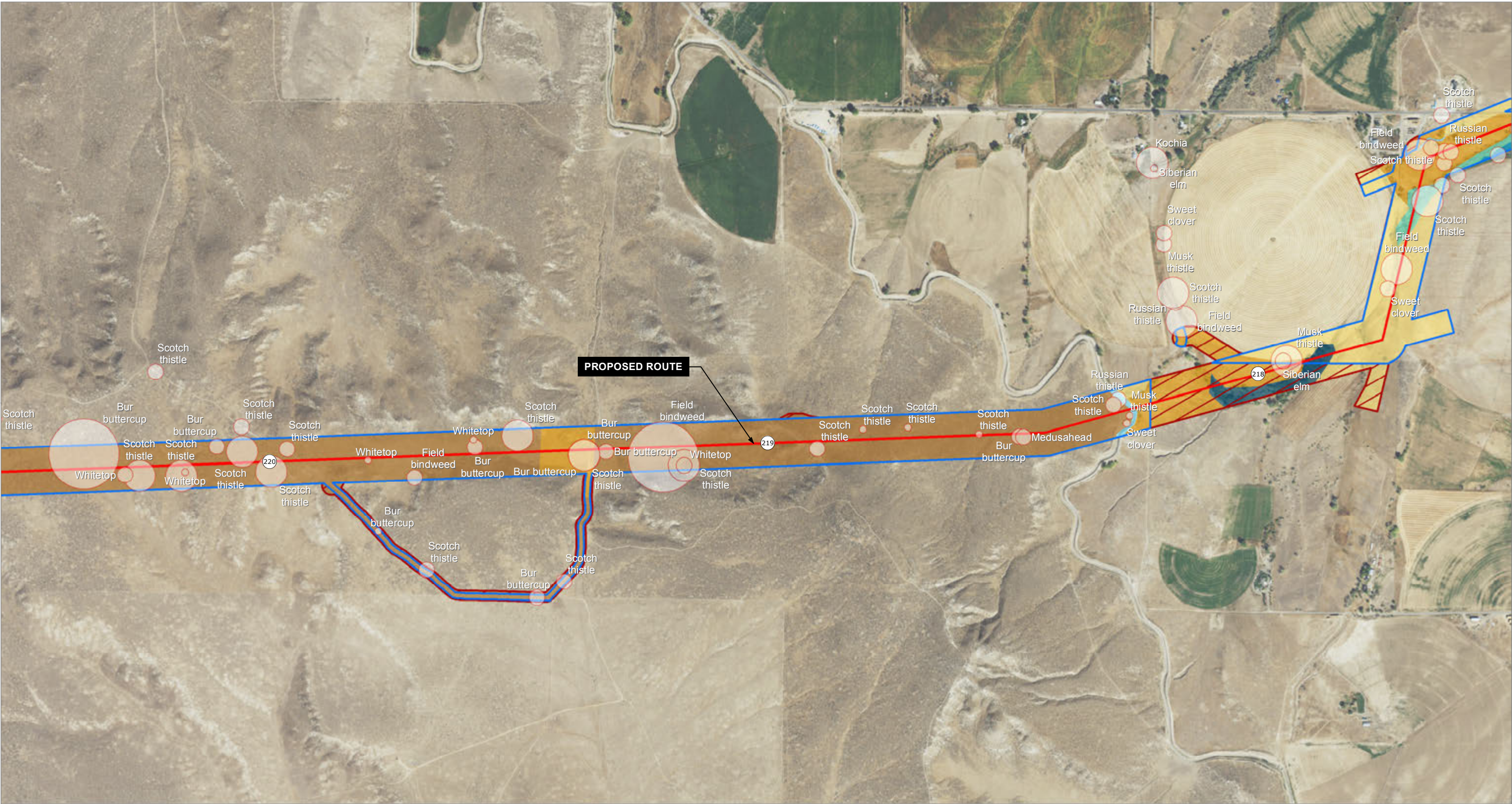
**Habitat Types and  
Noxious Weed Results**





Figure 123 of 154























**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Other - Shrub/Grass
-  Forested Wetland
-  Emergent Wetland
-  Intermittent Streams
-  Wetland-Other
-  Agriculture
-  Shrub-Steppe with Big Sage

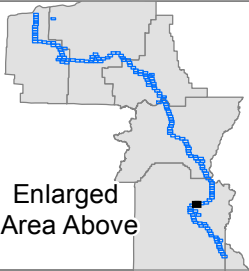



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**





Figure 125 of 154












**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Other - Shrub/Grass
-  Intermittent Streams
-  Shrub-Steppe with Big Sage
-  Shrub-Steppe without Big Sage

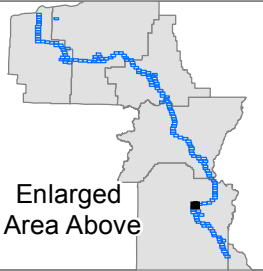



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 126 of 154








Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

- Bare Ground Cliffs Talus
- Other - Shrub/Grass
- Native Grasslands
- Emergent Wetland
- Shrub-Steppe with Big Sage
- Shrub-Steppe without Big Sage

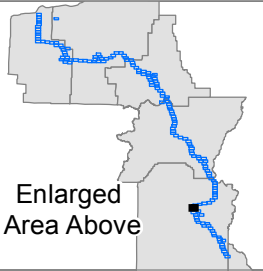



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 127 of 154







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Habitat Types**

- Noxious Weed
- Scrub-Shrub Wetland
- Shrub-Steppe with Big Sage

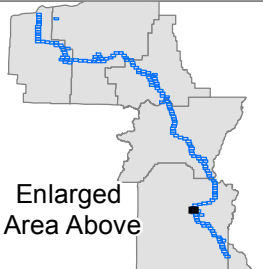



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 128 of 154







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Habitat Types**

- Bare Ground Cliffs Talus
- Other - Shrub/Grass
- Forested Wetland
- Shrub-Steppe with Big Sage

**Noxious Weed**

- Noxious Weed

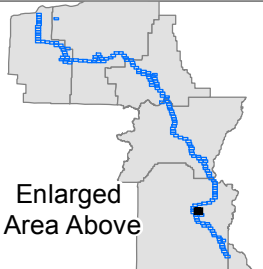



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 129 of 154










Enlarged Area Above



**Project Features**

-  Surveyed
-  Not Surveyed

**Noxious Weed**

-  Noxious Weed

**Habitat Types**

-  Other - Shrub/Grass
-  Shrub-Steppe with Big Sage

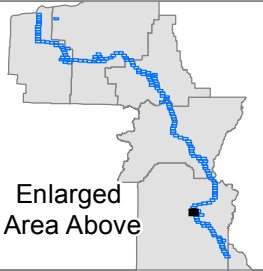



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 130 of 154







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Habitat Types**

- Bare Ground Cliffs Talus
- Desert Shrub
- Other - Shrub/Grass
- Intermittent Streams
- Shrub-Steppe with Big Sage

**Noxious Weed**

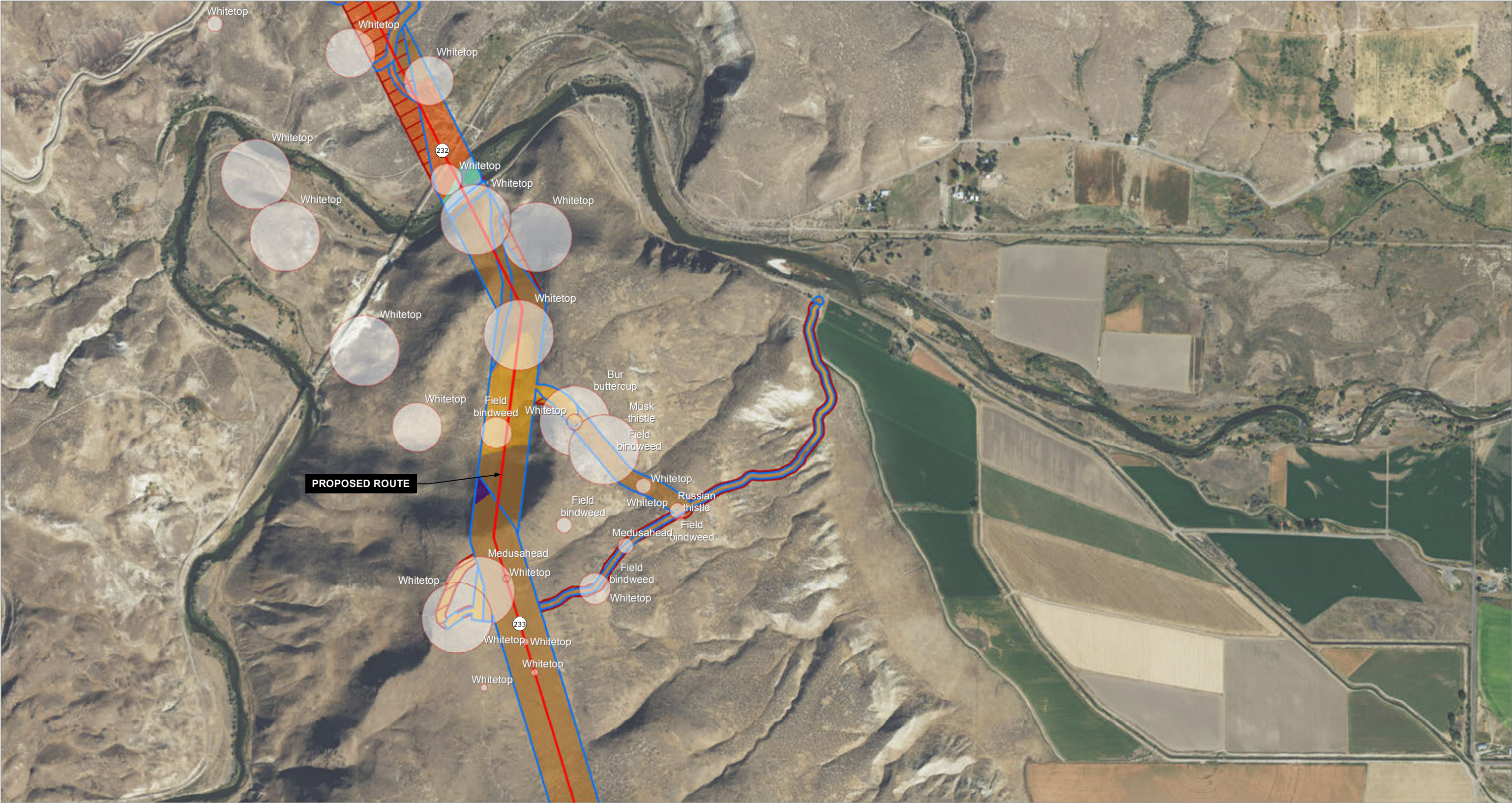
- Noxious Weed

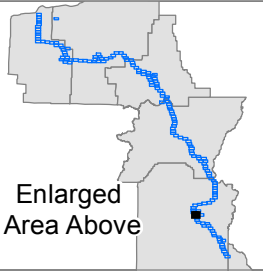



Boardman to Hemingway Transmission Line Project

**Habitat Types and Noxious Weed Results**

Figure 131 of 154








**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

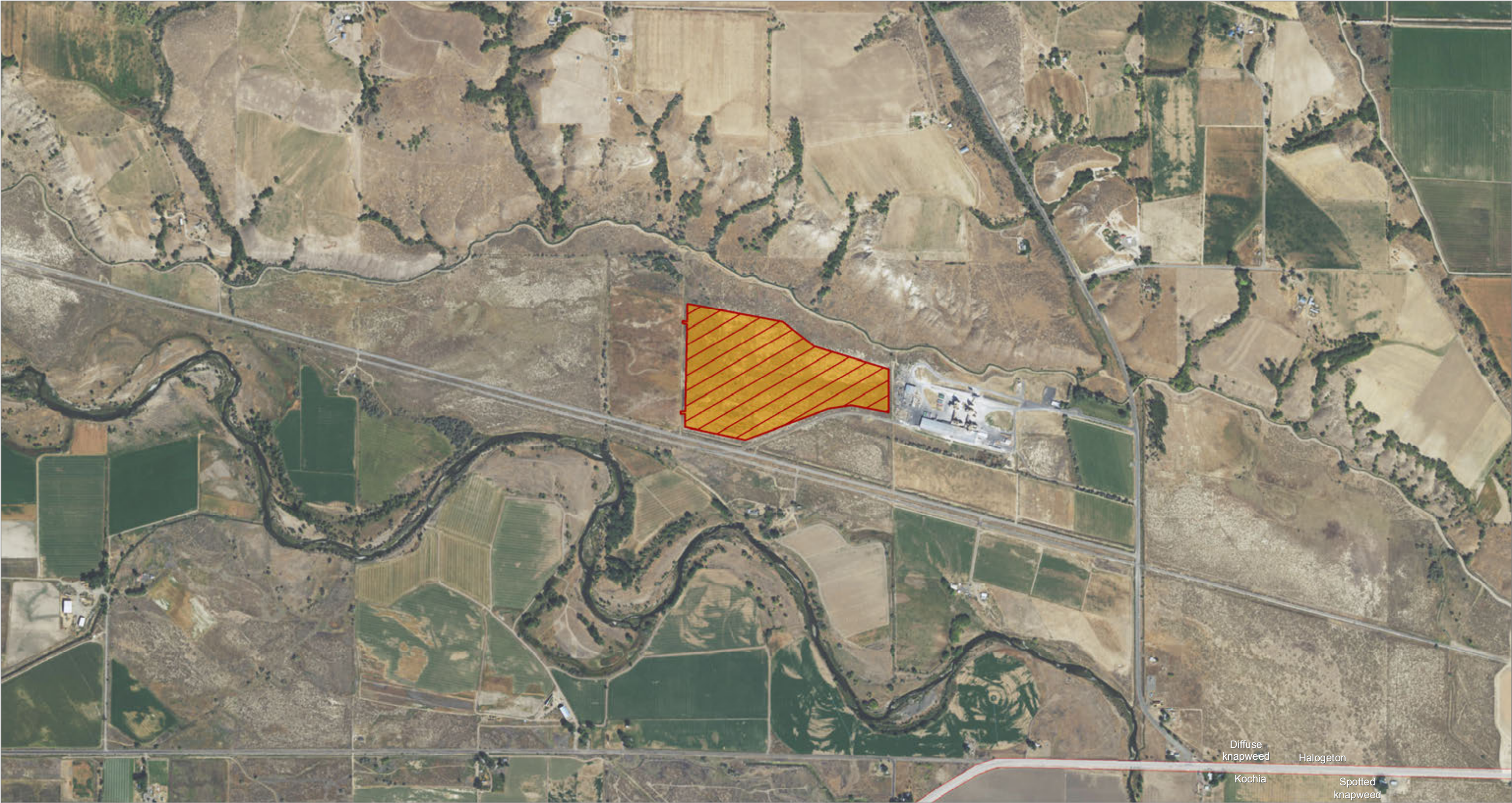
- Bare Ground Cliffs Talus
- Desert Shrub
- Other - Shrub/Grass
- Perennial Streams
- Wetland-Other
- Shrub-Steppe with Big Sage

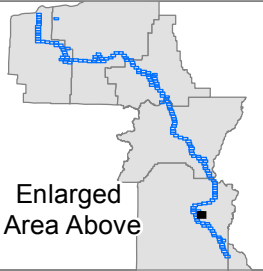



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 132 of 154










Enlarged Area Above

**Project Features**

 Not Surveyed

**Habitat Types**

 Noxious Weed

 Other - Shrub/Grass

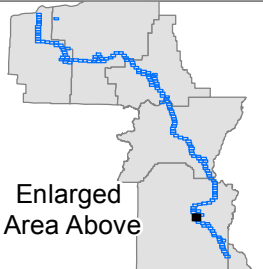



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 133 of 154














Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Other - Shrub/Grass
-  Shrub-Steppe with Big Sage

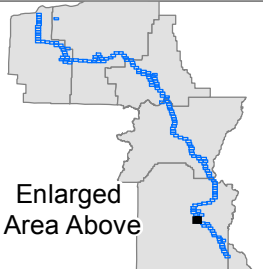



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 134 of 154
















Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

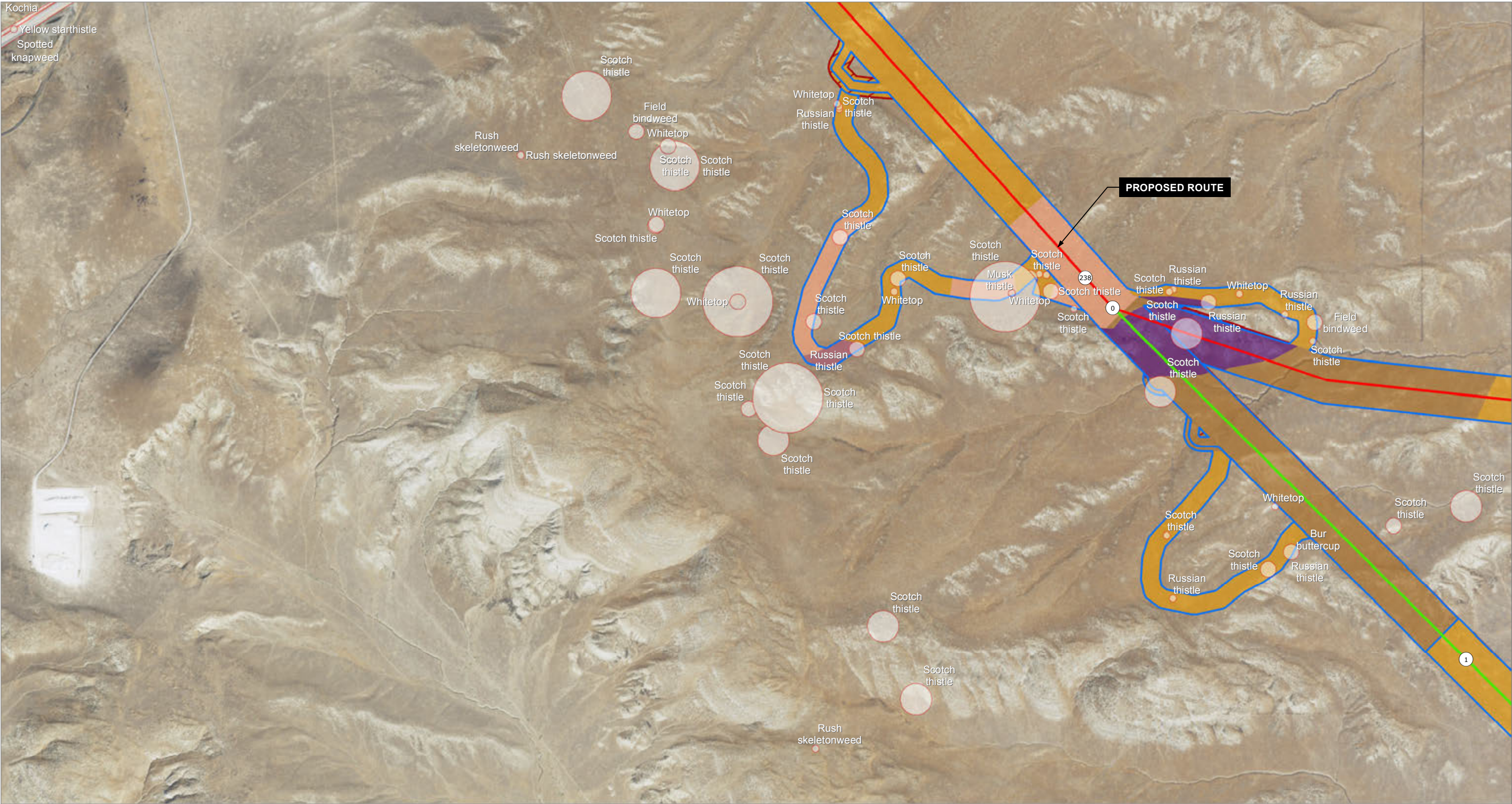
-  Other - Shrub/Grass
-  Developed/Disturbed
-  Shrub-Steppe with Big Sage
-  Shrub-Steppe without Big Sage

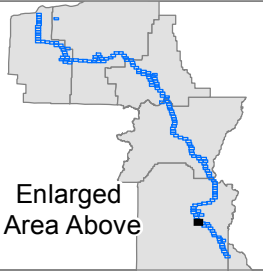



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 135 of 154








**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Alternative

 Noxious Weed

**Habitat Types**

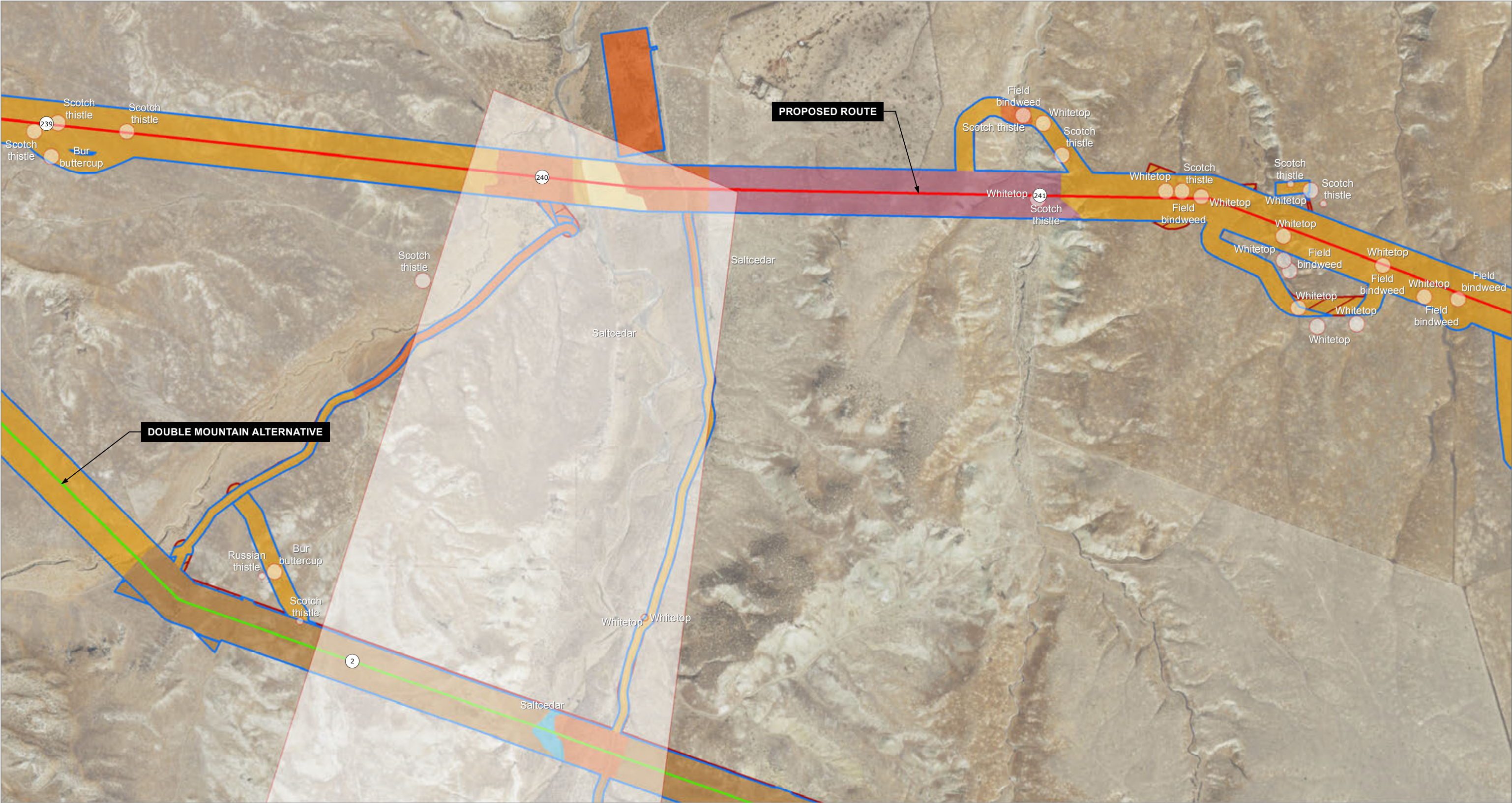
- Bare Ground Cliffs Talus
- Other - Shrub/Grass
- Native Grasslands
- Shrub-Steppe with Big Sage
- Shrub-Steppe without Big Sage

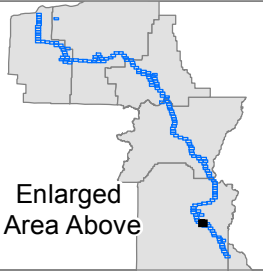



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 136 of 154








**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Alternative

 Noxious Weed

**Habitat Types**

- Desert Shrub
- Other - Shrub/Grass
- Emergent Wetland

Agriculture

Shrub-Steppe with Big Sage

Shrub-Steppe without Big Sage

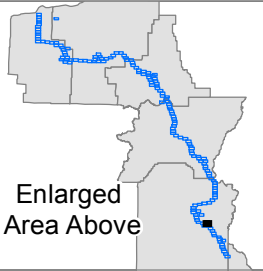



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 137 of 154








Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

- Desert Shrub
- Other - Shrub/Grass
- Agriculture
- Shrub-Steppe with Big Sage

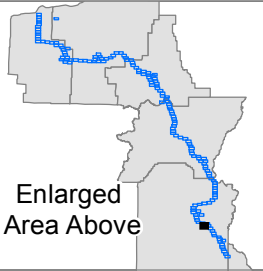



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 138 of 154








Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Alternative

 Noxious Weed

**Habitat Types**

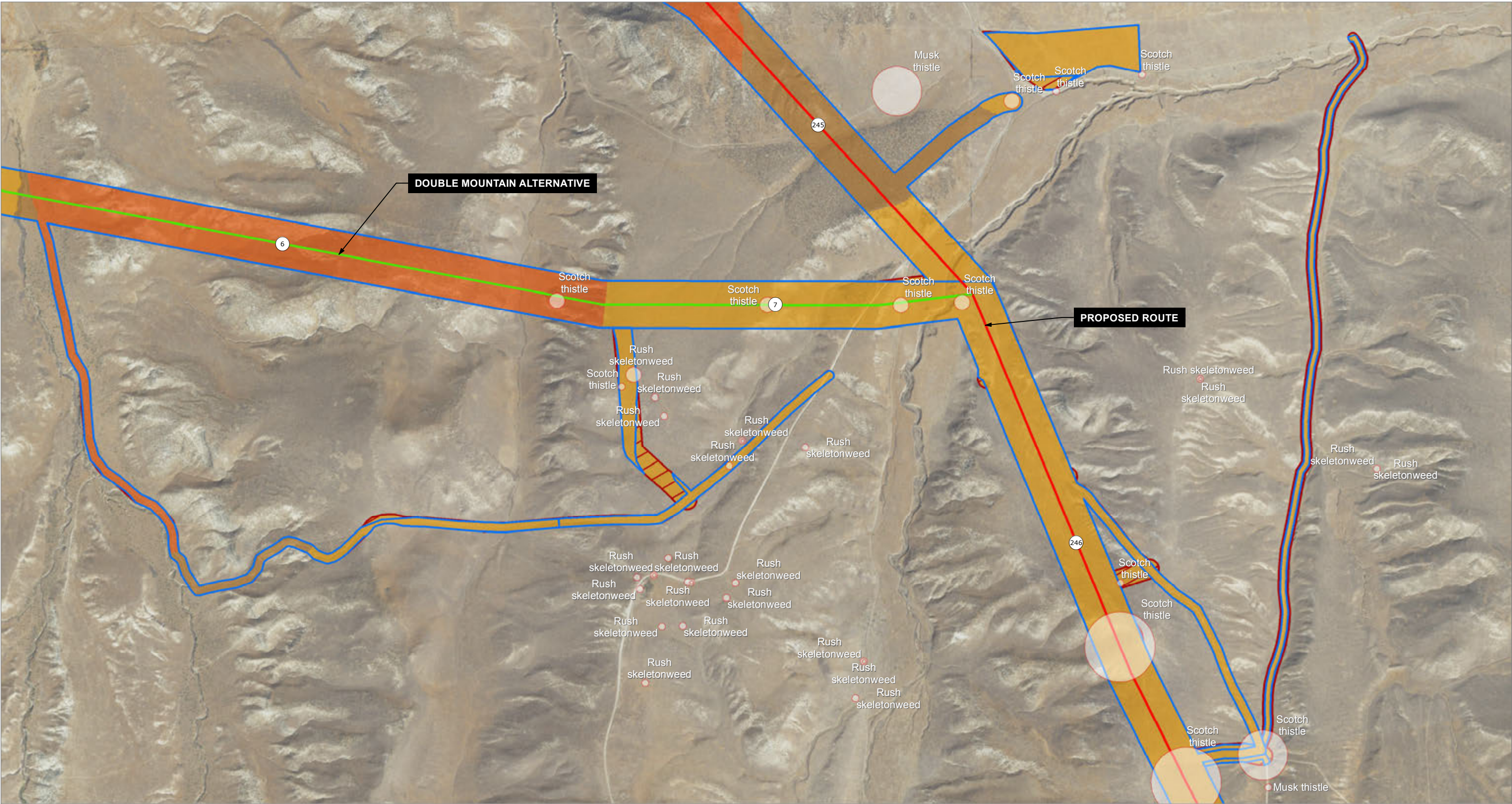
- Desert Shrub
- Other - Shrub/Grass
- Shrub-Steppe with Big Sage

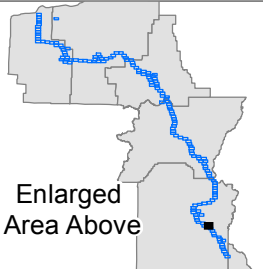



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 139 of 154







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Alternative

Noxious Weed

**Habitat Types**

- Desert Shrub
- Other - Shrub/Grass
- Shrub-Steppe with Big Sage

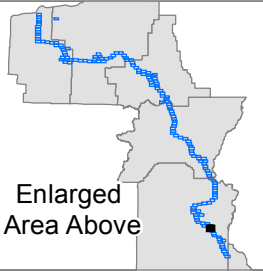



Boardman to Hemingway Transmission Line Project

**Habitat Types and Noxious Weed Results**

Figure 140 of 154







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Habitat Types**

- Noxious Weed
- Other - Shrub/Grass

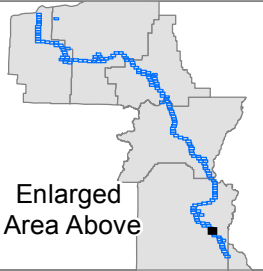



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 141 of 154








Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

- Other - Shrub/Grass
- Native Grasslands
- Emergent Wetland
- Shrub-Steppe with Big Sage

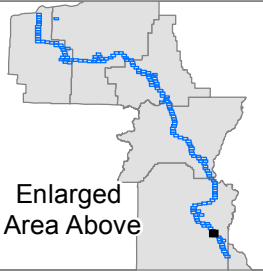



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 142 of 154








Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

- Other - Shrub/Grass
- Scrub-Shrub Wetland
- Shrub-Steppe with Big Sage
- Shrub-Steppe without Big Sage

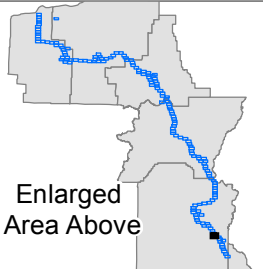



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

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



Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

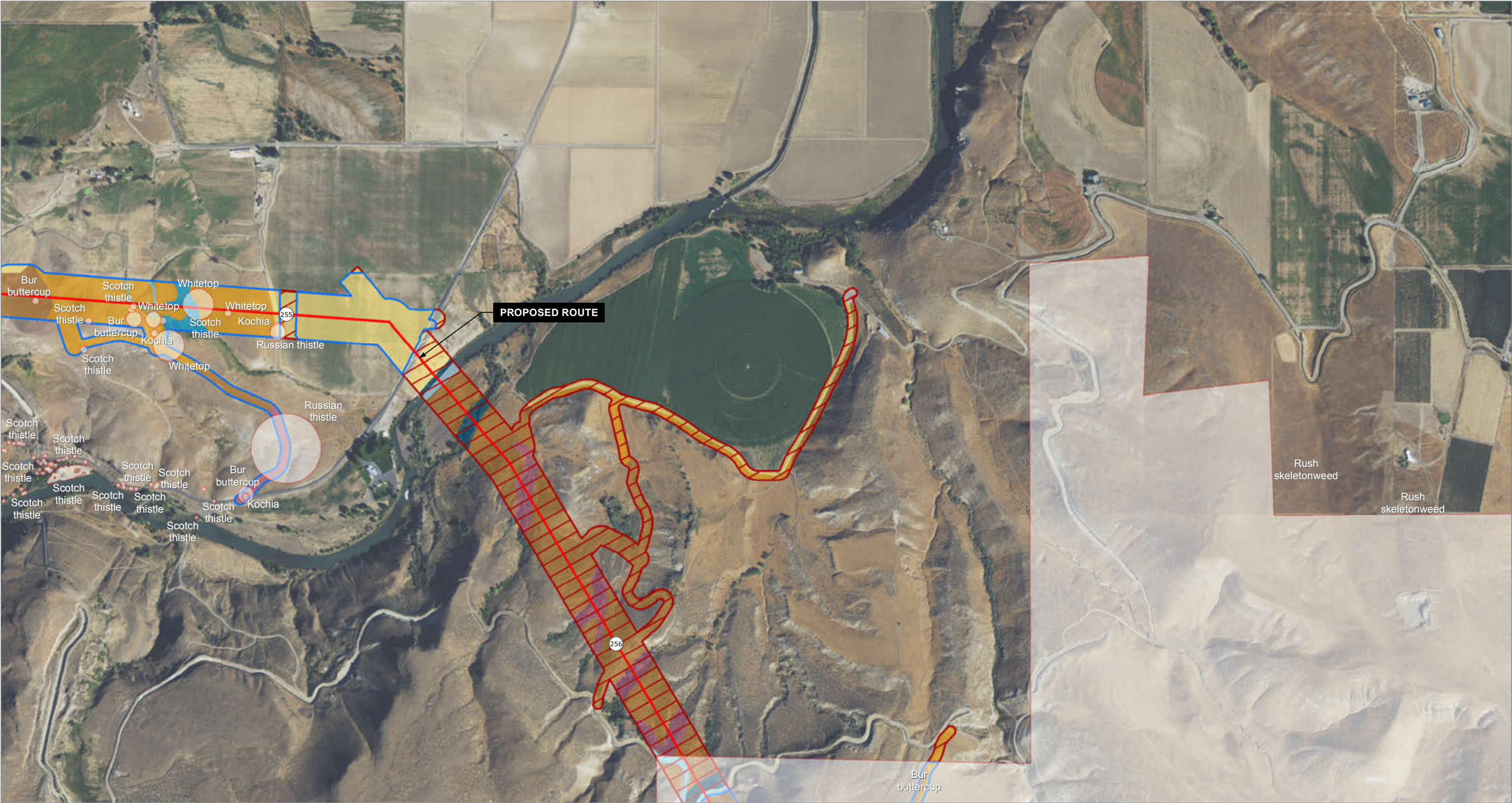
-  Bare Ground Cliffs Talus
-  Desert Shrub
-  Other - Shrub/Grass
-  Emergent Wetland
-  Intermittent Streams
-  Developed/Disturbed
-  Agriculture
-  Shrub-Steppe with Big Sage

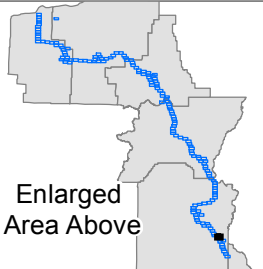



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 144 of 154








Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

- Other - Shrub/Grass
- Forested Wetland
- Emergent Wetland
- Intermittent Streams
- Perennial Streams
- Developed/Disturbed
- Agriculture
- Shrub-Steppe with Big Sage
- Shrub-Steppe without Big Sage

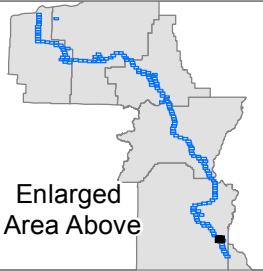



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**





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**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Other - Shrub/Grass
-  Native Grasslands
-  Forested Wetland
-  Intermittent Streams
-  Shrub-Steppe with Big Sage
-  Shrub-Steppe without Big Sage

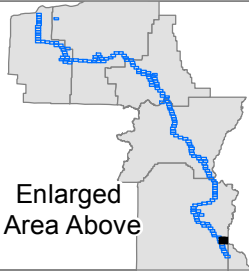



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 146 of 154










Enlarged Area Above

**Project Features**

 Not Surveyed

**Habitat Types**

 Noxious Weed

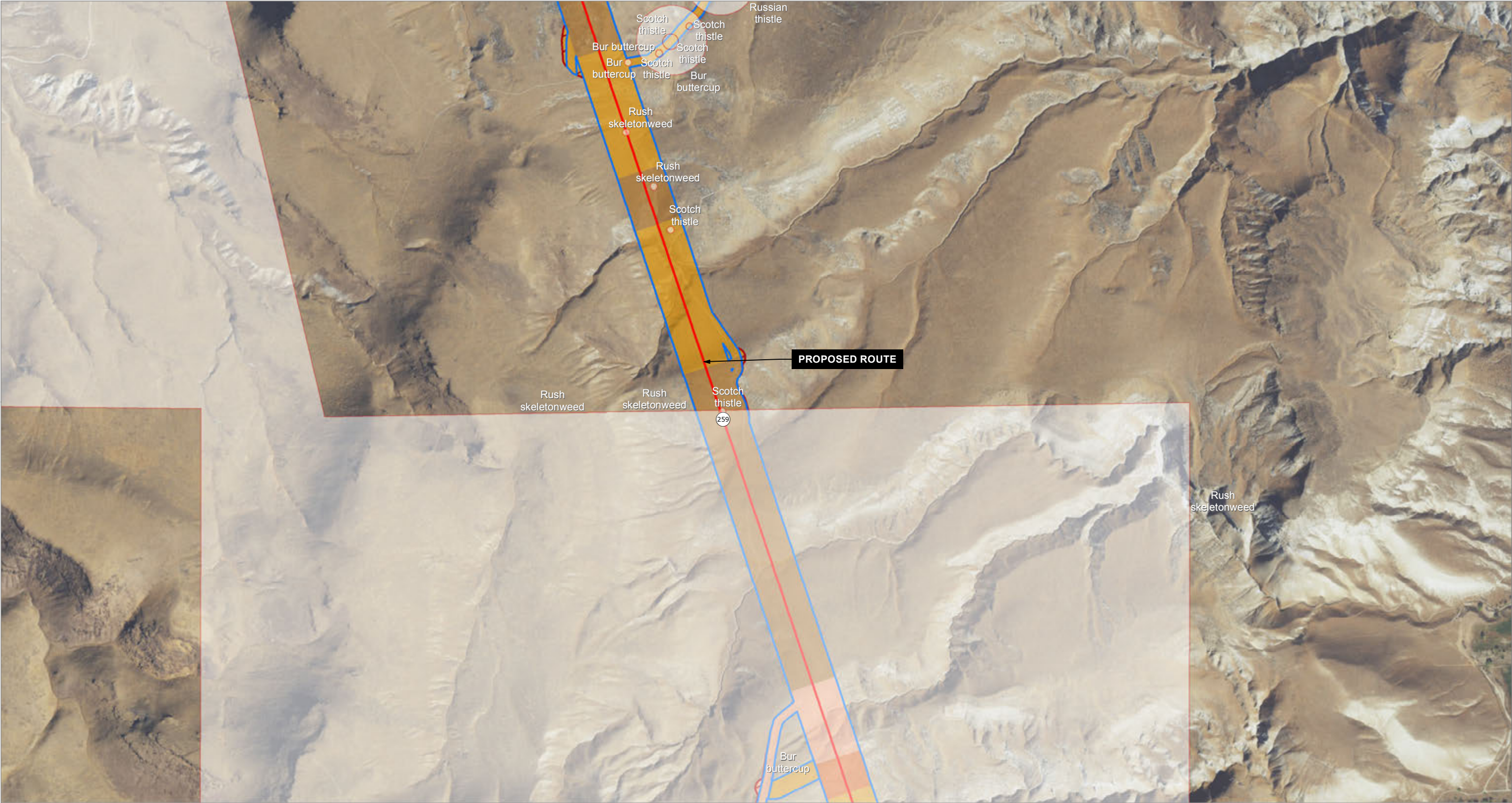
 Other - Shrub/Grass

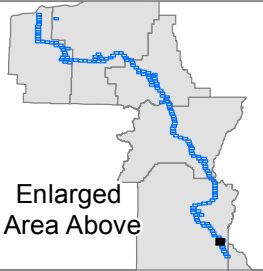



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 147 of 154
















Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

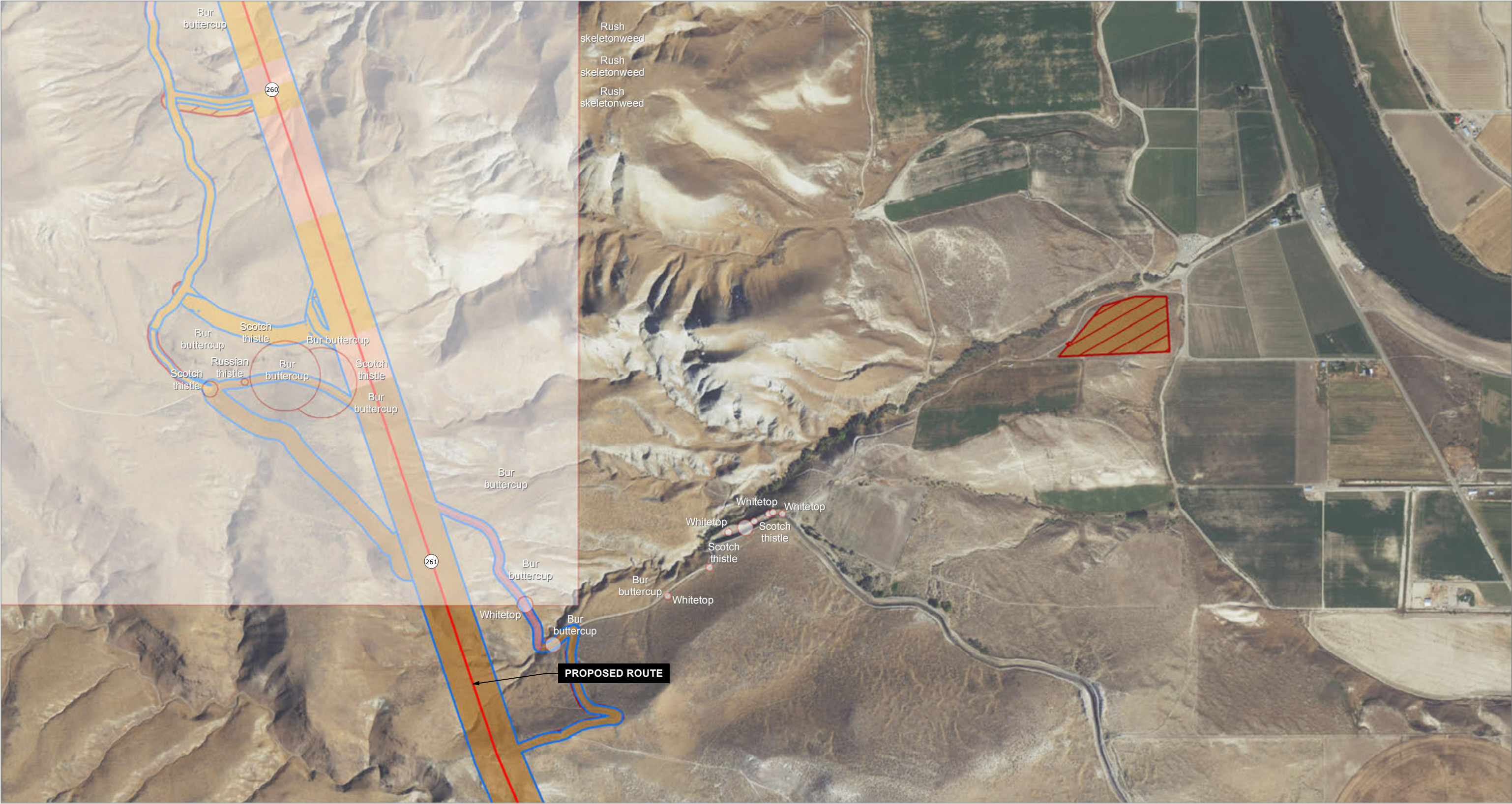
-  Desert Shrub
-  Other - Shrub/Grass
-  Native Grasslands
-  Shrub-Steppe with Big Sage

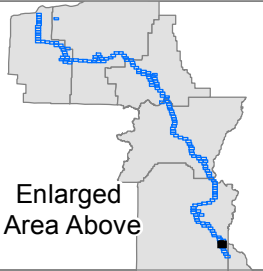



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 148 of 154








**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

- Other - Shrub/Grass
- Native Grasslands
- Shrub-Steppe with Big Sage
- Shrub-Steppe without Big Sage

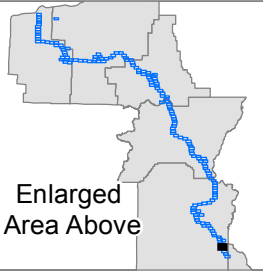



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 149 of 154








Enlarged Area Above


**Project Features**


- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

- Desert Shrub
- Other - Shrub/Grass

 Intermittent Streams

 Shrub-Steppe with Big Sage





Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 150 of 154








Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

- Desert Shrub
- Other - Shrub/Grass
- Shrub-Steppe with Big Sage

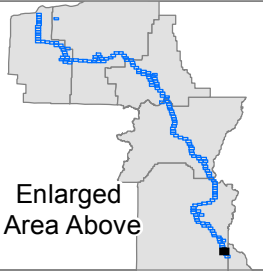



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 151 of 154

















Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route

 Noxious Weed

**Habitat Types**

-  Bare Ground Cliffs Talus
-  Other - Shrub/Grass
-  Intermittent Streams
-  Developed/Disturbed
-  Shrub-Steppe with Big Sage

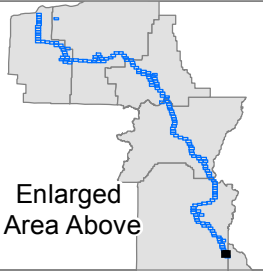
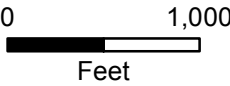


Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 152 of 154








Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

- Desert Shrub
- Other - Shrub/Grass
- Forested Wetland
- Emergent Wetland
- Intermittent Streams
- Shrub-Steppe with Big Sage

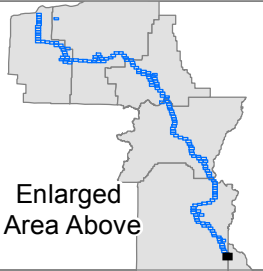



Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

Figure 153 of 154








**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

 Noxious Weed

**Habitat Types**

- Desert Shrub
- Other - Shrub/Grass
- Intermittent Streams
- Shrub-Steppe with Big Sage
- Shrub-Steppe without Big Sage

Boardman to Hemingway  
Transmission Line Project

**Habitat Types and  
Noxious Weed Results**

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**Appendix 3-A**  
**Special Status Plant Species Considered for Surveys**



Appendix 3-A. Special Status Plant Species Considered for Surveys

Common Name	Scientific Name	ODA Status <sup>1</sup>	BLM ORStatus <sup>2</sup>	BLM Idaho Status <sup>3</sup>	USFS Status <sup>4</sup>	USFWS Status <sup>5</sup>	Survey Period	Habitat	Survey Year	Results	Notes
Arrow-leaf thelypody	<i>Thelypodium eucosmum</i>	ST	OR Sensitive	NA	OR Sensitive	NA	May-July	Arrow-leaf thelypody occurs in shaded areas under junipers on dry slopes and in dry to moist areas in stream beds and along seeps and streams. It is found within juniper-sagebrush plant communities at elevations ranging from 1,640-5,500 feet.	2013	No observation	
Biennial stanleya	<i>Stanleya confertiflora</i>	SC	OR Sensitive	ID Type 2	OR Sensitive	NA	April-June	Sagebrush-steppe in open sparsely vegetated sites from 2,400 to 5,000 feet.	2011, 2012, 2013, 2016	Observed 2011, 2012	
Bigelow's four-o'clock	<i>Mirabilis laevis</i> var. <i>retorsa</i>	NA	NA	NA	NA	NA	March-early July	Open gravelly loam, sandy clay alluvium, talus, canyon walls, among boulders.	2011, 2012	No observation	No current status, surveys not required.
Biscuitroot	<i>Lomatium roseanum</i>	NA	OR Strategic	NA	NA	NA	April-May	Open, dry, basalt talus and scree overlying clay soils on gentle slopes; also occurs directly on black adobe soil. Usually found within low sagebrush vegetation. Associated species include low sagebrush, Sandberg bluegrass ( <i>Poa secunda</i> ), squirreltail ( <i>Elymus elymoides</i> ), prickly sandwort ( <i>Arenaria aculeata</i> ), phlox ( <i>Phlox</i> ), and desert yellow fleabane ( <i>Erigeron linearis</i> ); 5,750-6,150 feet.	2012, 2013	No observation	
Broad fleabane	<i>Erigeron latus</i>	NA	OR Sensitive	NA	NA	NA	late April-early July	Rocky or gravelly slopes and flats in the desert, 5,900-6,200 feet elevation. In Idaho, broad fleabane occurs on flat to gently sloping scabland sites, where very shallow, gravelly soil, occurs over volcanic bedrock. These site have low plant cover and contrast sharply with the denser vegetation of the surrounding low sagebrush ( <i>Artemisia arbuscula</i> ), big sagebrush ( <i>A. tridentata</i> ), or western juniper ( <i>Juniperus occidentalis</i> ) communities. Elevations range from 4,700 to 5,800 feet.	2013	No observation	
Bryophyte (moss)	<i>Aloina bifrons</i>	NA	OR Sensitive	NA	NA	NA	Anytime	A component of well-developed biological soil crusts, either scattered on soil or in clusters over rock, soil, sand or silt loams of moderately low pH in arid shrub-steppe and grassland habitats below 4,000 feet (USFS/BLM 2009). Often with bluebunch wheatgrass and Sandberg's bluegrass with various amounts of Wyoming big sagebrush.	2016	No observation	OR BLM status changed from strategic (2011 list) to sensitive (2015 list).
Calcareous buckwheat	<i>Eriogonum ochrocephalum</i> var. <i>calcareum</i>	NA	NA	ID Type 3	NA	NA	May-July	Rolling sparsely vegetated clay hills, sometimes with four-wing saltbush and spiny hop-sage.	2011, 2012, 2016	Observed 2011, 2012, 2013, 2016	
Columbian carpet moss	<i>Bryoerythrophyllum columbianum</i>	NA	OR Sensitive	NA	NA	NA	Anytime	A component of well-developed biological soil crusts, either scattered on soil or in clusters over rock, soil, sand or silt loams of moderately low pH in arid shrub-steppe and grassland habitats below 4,000 feet. Often with bluebunch wheatgrass and Sandberg's bluegrass with various amounts of Wyoming big sagebrush.	2016	No observation	
Cronquist's stickseed	<i>Hackelia cronquistii</i>	ST	OR Sensitive	ID Type 3	NA	NA	May	Shrub-steppe communities typically dominated by sagebrush. It occurs on sandy north-facing hillsides with slight to extreme slope, sometimes on moist slopes in ravines, at elevations ranging from 2,000-3,640 feet.	2011, 2012, 2013, 2016	Observed 2012, 2013, 2016	
Cusick's pincushion	<i>Chaenactis cusickii</i>	NA	NA	ID Type 2	NA	NA	May-June	Open places on volcanic ash soils, especially the Succor Creek Formation, in saltbrush, and Wyoming big sagebrush zone, 2,400- 4,200 feet elevation.	2011, 2012, 2016	Observed 2012 and 2016	
Cusick's lupine	<i>Lupinus lepidus</i> var. <i>cusickii</i>	SE	OR Sensitive	NA	OR Sensitive	NA	June	Unique habitat, found within dry, open land extending from barren upper slopes to rather dense stand of sagebrush on lower slopes. Substrate mainly consists of eroding slopes of whitish volcanic ash. Along Burnt River.	2011, 2012, 2013, 2016	No observation	
Davis' fleabane	<i>Erigeron davisii</i>	NA	OR Sensitive	NA	OR Sensitive	NA	May-July	Open barren slopes and flats, 4,250-8,200 feet elevation, often with sagebrush, juniper, or salt desert shrubs.	2013	No observation	
Davis' pepperweed	<i>Lepidium davisii</i>	ST	OR Sensitive	ID Type 3	NA	NA	May-July	This species is restricted to a few clay-soiled playas at 3,100-5,600 feet, within sagebrush dominated steppe. These playas are frequently inundated in the early season by standing water, with soils drying to a concrete-like substrate by early summer. As soils dehydrate, shrinkage causes the formation of cracks, creating a relatively hospitable micro-environment in which seedlings germinate.	2012, 2013, 2016	No observation	
Desert biscuitroot	<i>Lomatium foeniculaceum</i> ssp. <i>fimbriatum</i>	NA	OR Sensitive	NA	NA	NA	April-August	Dry, open slopes from valleys and plains.	2013	No observation	
Desert pincushion	<i>Chaenactis stevioides</i>	NA	NA	ID Type 4	NA	NA	April-July or Feb-June	Open, usually sandy sites in salt desert shrub, primarily, Wyoming big sagebrush, horsebrush, four-wing saltbrush and Indian ricegrass ( <i>Achnatherum hymenoides</i> ) communities, to 3,900 feet.	2011, 2012, 2016	No observation	
Dimeresia	<i>Dimeresia howellii</i>	NA	NA	ID Type 3	NA	NA	May-August	High desert foothills and drier parts of the mountains on dry rocky, cinder or gravelly soils, 3,600-9,500 feet elevation.	2011, 2012, 2016	No observation	



Appendix 3-A. Special Status Plant Species Considered for Surveys

Common Name	Scientific Name	ODA Status <sup>1</sup>	BLM ORStatus <sup>2</sup>	BLM Idaho Status <sup>3</sup>	USFS Status <sup>4</sup>	USFWS Status <sup>5</sup>	Survey Period	Habitat	Survey Year	Results	Notes
Douglas' clover	<i>Trifolium douglasii</i>	NA	OR Sensitive	ID Type 2	OR Sensitive	NA	June-July	Moist to wet meadows and forested wetlands, and stream banks.	2011, 2012, 2013, 2016	Observed 2012	
Dwarf suncup	<i>Camissonia pygmaea</i> ( <i>Eremothera pygmaea</i> )	SC	OR Sensitive	NA	OR Sensitive	NA	May-June	Rocky slopes, sandy banks, and dry, gravelly washes 500-1,850 feet.	2013	No observation	
False naked buckwheat	<i>Eriogonum novonudum</i>	NA	NA	ID Type 3	NA	NA	May-September	Sandy-clay, volcanic ash slopes and washes in saltbush and sagebrush communities, and in juniper woodlands.	2016	No observation	
Golden buckwheat	<i>Eriogonum chrysops</i>	ST	OR Sensitive	NA	NA	NA	May-August	Occurs on barren slopes and outcrops in shallow, gravelly basaltic or rhyolitic soils in open desert shrub communities between 3,900-4,600 feet.	2012, 2013, 2016	No observation	
Greeley's cymopterus	<i>Cymopterus acaulis</i> var. <i>greeleyorum</i>	NA	OR Sensitive	ID Type 3	NA	NA	Flower March-April, Fruiting into June	Sandy soil and brown and white volcanic ash in Wyoming big sagebrush desert shrub and Indian ricegrass zones.	2011, 2012, 2013, 2016	Observed 2011	
Grimy mousetail	<i>Ivesia rhypara</i> var. <i>rhypara</i>	SE	OR Sensitive	NA	NA	NA	Blooms May-June, disperses seed July-August	Dry and relatively barren with no canopy cover on either light colored ash-tuff or on outcrops of volcanic ash deposited with riverbed gravels with squirreltail, common woolly sunflower ( <i>Eriophyllum lanatum</i> ), dwarf skullcap ( <i>Scutellaria nana</i> ), and ballhead ipomopsis ( <i>Ipomopsis (Gilia) congesta</i> ).	2016	No observation	
Hairy wild Cabbage	<i>Caulanthus pilosus</i>	NA	OR Sensitive	NA	NA	NA	May-June	Desert flats and mountains.	2016	No observation	
Hot-rock penstemon	<i>Penstemon deustus</i> var. <i>variabilis</i>	NA	OR Sensitive	NA	OR Sensitive	NA	May-July	Dry foothills and lowlands on open, dry, thin soils over basalt from 1,000-3,200 feet with bluebunch wheatgrass, Idaho fescue, arrowleaf buckwheat ( <i>Eriogonum compositum</i> ), woolly sunflower, milkvetch species ( <i>Astragalus</i> spp.), common tarweed ( <i>Controcarpus nudus</i> ).	2016	No observation	OR BLM status changed from strategic (2011 list) to sensitive (2015 list).
Howell's spectacular thelypody	<i>Thelypodium howellii</i> ssp. <i>spectabilis</i>	SE	NA	NA	OR Strategic	FT	June-July	Moist alkaline meadow habitats, within the fairly narrow elevation range of 3,000-3,500 feet. Soils are typically fine pluvial-deposited alkaline clay mixed with recent alluvial silts. Populations of this species are frequently located adjacent to streams that experience springtime flooding.	2011, 2012, 2013, 2016	No observation	
Janish's penstemon	<i>Penstemon janishiae</i>	NA	NA	ID Type 3	NA	NA	Late May-June	Clay soils derived from volcanic ash or lake bed sediment in sagebrush communities, 2,600-4,200 feet.	2011, 2012, 2016	Observed 2012	
King's snapdragon	<i>Sairocarpus kingii</i> ( <i>Antirrhinum kingii</i> )	NA	OR Sensitive	ID Type 3	OR Sensitive	NA	May-June	Deserts, gravelly slopes, talus, and wash banks, sometimes in sandy soils in shadscale, blackbrush ( <i>Coleogyne ramosissima</i> ), and sagebrush, 3,200-6,500 feet elevation.	2012, 2016	No observation	
Knotsheath sedge	<i>Carex retrorsa</i>	NA	OR Sensitive	NA	OR Sensitive	NA	June-August	Swamps, wet thickets, often along streams, marshes, sedge meadows, shores of streams, ponds, and lakes; 0–6,200 feet.	2011, 2012, 2013, 2016	No observation	
Lawrence's milkvetch	<i>Astragalus collinus</i> var. <i>laurentii</i>	ST	OR Strategic	NA	OR Strategic	NA	Late May-August	Occupies sandy or rocky soils overlying basalt on dry slopes, mostly at elevations ranging from 2,000-3,400 feet, although the species has been reported at elevations as low as 400 feet.	2011, 2013, 2014, 2016	Observed 2011 and 2016	
Least phacelia	<i>Phacelia minutissima</i>	SC	OR Sensitive	ID Type 2	OR Sensitive	NA	June-July	Moist understory of California hellebore ( <i>Veratrum californicum</i> ), aspen, and tall forb communities in meadows especially snow bank areas from 5,900 to 6,900.	2012, 2016	No observation	
Liverwort	<i>Lophozia gillmanii</i>	NA	OR Sensitive	NA	OR Sensitive	NA	Anytime	Peaty cliff ledges in boreal-alpine habitats.	2012	No observation	
Macfarlane's four-o'clock	<i>Mirabilis macfarlanei</i>	SE	NA	ID Type 1	NA	FT	Early May-June	Canyon grasslands on gravelly to loamy and sandy substrates. It prefers steep, sunny slopes ranging from 1,000-3,000 feet in elevation.	NA	NA	Not included since no surveys were completed within the known range of this species.
Malheur cryptantha	<i>Cryptantha propria</i>	NA	NA	ID Type 4	NA	NA	April-May	Bare soil of ash and clay on open hillsides in the sagebrush zone, 3,000-4,000 feet elevation.	2012, 2016	Observed 2012 and 2016	
Malheur Valley fiddleneck	<i>Amsinckia carinata</i>	ST	OR Sensitive	NA	NA	NA	Late April-June	Malheur Valley fiddleneck grows on upper slopes of tufaceous hills, mostly on southern exposures, in soil covered with several decimeters of cobble, heavy gravel and/or rock fragments. Found in the Harper Valley area.	2013, 2016	No observation	



Appendix 3-A. Special Status Plant Species Considered for Surveys

Common Name	Scientific Name	ODA Status <sup>1</sup>	BLM ORStatus <sup>2</sup>	BLM Idaho Status <sup>3</sup>	USFS Status <sup>4</sup>	USFWS Status <sup>5</sup>	Survey Period	Habitat	Survey Year	Results	Notes
Mountain grape-fern	<i>Botrychium montanum</i>	NA	OR Sensitive	NA	OR Sensitive	NA	July-August	Usually in deep litter of springy, mature western red cedar forests, but also in riparian thickets, mesic meadows, and grassy trail edges.	2012	No observation	
Mulford's milkvetch	<i>Astragalus mulfordiae</i>	SE	OR Sensitive	ID Type 2	NA	NA	May-June	Sandy substrates including old river deposits, sandy areas near rivers, sandy bluffs, and dune-like talus in foothills at approximately 2,200-2,790 feet in elevation. It is found mainly in shrub-steppe and desert shrub communities.	2011, 2012, 2013, 2016	Observed 2016	
Multiflowered phlox	<i>Phlox multiflora</i>	NA	OR Sensitive	NA	OR Sensitive	NA	June-Aug	Open or wooded, often rocky places, from the higher foothills to above timberline in the mountains.	2011, 2012, 2013, 2016	No observation	
Northern wormwood	<i>Artemisia campestris</i> var. <i>wormskioldii</i>	SE	OR Sensitive	NA	NA	NA	Mid-April-mid-June	This species is restricted to basalt, compacted cobble, and sand on the banks of the Columbia River. The surrounding countryside is arid, supporting shrub-steppe vegetation. Associated species include Atkinson's stickseed ( <i>Coreopsis tinctoria</i> var. <i>atkinsoniana</i> ), turpentine wavewing ( <i>Cymopterus terebinthinus</i> ), arrowleaf buckwheat ( <i>Eriogonum compositum</i> ), bigleaf lupin ( <i>Lupinus polyphyllus</i> ), silverleaf phacelia ( <i>Phacelia hastata</i> ), and narrowleaf willow ( <i>Salix exigua</i> ). Cheatgrass ( <i>Bromus tectorum</i> ) and diffuse knapweed ( <i>Centaurea diffusa</i> ) also occur in some sites.	NA	NA	Not included since no surveys were completed within the known range of this species.
Oregon Semaphore grass	<i>Pleuropogon oregonus</i>	ST	OR Sensitive	NA	OR Sensitive	NA	June-July	Obligate wetland species occurring in wet meadows and marshlands in areas of sluggish moving water at elevations ranging from about 3,300-5,600 feet.	2011, 2012, 2013, 2016	No observation	
Owyhee clover	<i>Trifolium owyheense</i>	SE	OR Sensitive	ID Type 2	NA	NA	May-June	Inhabits bleak slopes composed of loose diatomaceous talus or volcanic ash. Surrounding plant communities are dominated by sagebrush and juniper, with the few direct associates being annuals: Cusick's monkeyflower ( <i>Mimulus cusickii</i> ), Erter's ragwort ( <i>Senecio ertterae</i> ), blazingstar species ( <i>Mentzelia</i> spp.).	2011, 2012, 2013, 2016	No observation	
Owyhee River stickseed	<i>Hackelia ophiobia</i>	NA	OR Sensitive	ID Type 3	NA	NA	May-June	Talus and crock crevices on shady north face canyons, associated with Packard's milkvetch ( <i>Astragalus cusickii</i> var. <i>packardiae</i> ), Great Basin wildrye ( <i>Leymus cinereus</i> ), and Louisiana sage ( <i>Artemisia ludoviciana</i> ).	2013	No observation	
Packard's wormwood	<i>Artemisia packardiae</i>	NA	NA	NA	NA	NA	June-August	Talus and crevices of shaded, steep to vertical volcanic cliffs in canyons in the sagebrush steppe, juniper, and lower mountain sagebrush zones.	2011, 2012	No observation	No current status, surveys not required.
Packard's desert parsley	<i>Lomatium packardiae</i>	NA	OR Strategic	ID Type 2	OR Strategic	NA	April-June	Volcanic ash and rhyolite and rocky clay soils in the sagebrush zone, from 2,900-4,300 feet elevation.	2012	No observation	
Packard's mentzelia	<i>Mentzelia packardiae</i>	ST	OR Sensitive	NA	NA	NA	Mid-May-mid-July	Base of talus slopes along canyon walls in rocky, volcanic ash substrates. The species is found at elevations from 2,700-5,250 feet.	2011, 2012, 2013, 2016	No observation	
Playa buckwheat	<i>Eriogonum salicornioides</i>	NA	OR Sensitive	NA	OR Sensitive	NA	May-July	Clayey flats and slopes, saltbush ( <i>Atriplex</i> spp.), greasewood ( <i>Sarcobatus vermiculatus</i> ), and sagebrush communities; juniper woodlands between 2,300 to 4,300 feet.	2016	Observed 2016	
Playa phacelia	<i>Phacelia inundata</i>	NA	OR Sensitive	NA	NA	NA	May-August	Alkaline flats, dry lake margins. Elevation 4,800-6,400 feet.	2013	No observation	
Red-fruited Lomatium	<i>Lomatium erythrocarpum</i>	SE	OR Sensitive	NA	OR Sensitive	NA	June-July	Dry, gravelly, or talus-covered south-facing slopes at 7,600 feet and above. It is found in the transition from shrub-steppe with curl-leaf mountain mahogany ( <i>Cercocarpus ledifolius</i> ) and big sagebrush and subalpine woodlands with ( <i>Pinus albicaulis</i> ) whitebark pine and Engelmann spruce ( <i>Picea engelmannii</i> ).	2011, 2012, 2016	No observation	
Rigid threadbush	<i>Nemacladus rigidus</i>	NA	NA	ID Type 4	NA	NA	May-June (July)	Sandy or cindery soils in the desert shrub zone, 2,600-3,900 feet	2012, 2016	No observation	
Rough goldenweed	<i>Pyrrocoma scaberula</i>	NA	OR Sensitive	NA	OR Sensitive	NA	July to August, identifiable through mid-September	Palouse grassland and transition zones between prairie and ponderosa pine ( <i>Pinus ponderosa</i> ), including meadows dominated by bunchgrasses with patches of deciduous shrubs. Usually on north-facing slopes with deep, productive silt loams. Elevations 1,900 to 4,100 feet, but generally below 3,600 feet. Associated species include rose ( <i>Rosa</i> spp.), snowberry ( <i>Symphoricarpos albus</i> ), Idaho fescue ( <i>Festuca idahoensis</i> ), bluebunch wheatgrass ( <i>Pseudoroegneria spicata</i> ), and balsamroot ( <i>Balsamorhiza sagittata</i> ).	2012	No observation	According to Mark Darrach, Threatened & Endangered Plant Species Program Manager for the Umatilla National Forest, co-author of An investigation of morphological evidence supports the resurrection of <i>Pyrrocoma scaberula</i> (Björk, C. R., and M. Darrach. 2009. Journal of the Botanical Research Institute of Texas 3:231–238.), the species would not occur anywhere near the project
Salt heliotrope	<i>Heliotropium curassavicum</i>	NA	OR Sensitive	NA	OR Sensitive	NA	May-Oct	Saline places in the valleys and lowlands, often in the beds of dried ponds.	2011, 2012, 2013, 2014, 2016	No observation	



Appendix 3-A. Special Status Plant Species Considered for Surveys

Common Name	Scientific Name	ODA Status <sup>1</sup>	BLM ORStatus <sup>2</sup>	BLM Idaho Status <sup>3</sup>	USFS Status <sup>4</sup>	USFWS Status <sup>5</sup>	Survey Period	Habitat	Survey Year	Results	Notes
Simpson's hedgehog cactus	<i>Pediocactus simpsonii</i>	NA	NA	ID Type 4	NA	NA	Anytime. Flowers May-July	Rocky or sandy benches and canyon rims in low sagebrush ( <i>Artemisia arbuscula</i> ), bud sage ( <i>Picrothamnus desertorum</i> ), and Sandberg bluegrass communities; often with scabland fleabane ( <i>Erigeron bloomeri</i> ), from 2,900-5,900 feet.	2011, 2012, 2016	No observation	
Slender sedge	<i>Carex lasiocarpa</i> var. <i>americana</i>	NA	OR Sensitive	NA	OR Sensitive	NA	June-July	Fens, bogs, lake shores, and wet meadows from 3,900 to 5,500 feet. Sometimes forming floating mats in deep, organic, acidic soils with low to moderate nutrient levels	2016	No observation	
Slickspot peppergrass	<i>Lepidium papilliferum</i>	NA	NA	ID Type 1	NA	FT	May-June	Bare slickspot soils within Wyoming sagbrush habitat. Only known in Idaho.	2011, 2012	No observation	
Smooth mentzelia	<i>Mentzelia mollis</i>	SE	OR Sensitive	ID Type 2	NA	NA	May-mid-June	Restricted to green or gray monotonomite substrates derived from the Sucker Creek formation, with extremely high levels of potassium. It occurs at elevations from 2,500-4,420 feet.	2011, 2012, 2013, 2016	Observed 2012	
Snake River goldenweed	<i>Pyrrocoma radiata</i>	SE	OR Sensitive	ID Type 3	NA	NA	June-July	Inhabits dry, rocky, open soil with little other perennial vegetation. It typically occurs on south- to west-facing hillsides with gentle to steep slopes at elevations ranging from 2,000-6,000 feet. It is found in slightly to very calcareous soils often overlaying a shale formation, usually in grazing-modified sagebrush/grassland communities. Lower slopes of Snake River Canyon.	2011, 2012, 2013	Observed 2012, 2013	
Snake River milkvetch	<i>Astragalus purshii</i> var. <i>ophinogenes</i>	NA	NA	ID Type 4	NA	NA	Late April-June	Often on barren sites with big sagebrush, Indian ricegrass, needle-and-thread grass and four-wing satlbush. Growing in loosely aggregated, frequently moving sand and gravelly sand deposits on bluffs, talus, dunes and volcanic ash beds, from 2,300-3,500 feet elevation.	2012	No observation	
Spalding's catchfly	<i>Silene spaldingii</i>	SE	NA	ID Type 1	NA	FT	July-August	Open, moist bunchgrass grassland communities or sagebrush-steppe communities, and occasionally within open pine forests. It is usually found in deep, rich loess soils in swales or on north facing slopes where soil moisture is higher. Occupied sites range from 1,200-5,300 feet in elevation. It is only known in Wallowa County in Oregon.	NA	NA	Not included since no surveys were completed within the known range of this species.
Sterile milkvetch	<i>Astragalus cusickii</i> var. <i>sterilis</i>	ST	OR Sensitive	ID Type 3	NA	NA	Late May-June	Dry, barren ashy areas on gravelly and sandy clay bluffs and knolls at elevations ranging from 2,700-4,800 feet. Although the immediate habitat is nearly devoid of other vegetation, sterile milkvetch occurs locally within sagebrush scrub communities, particularly along the Owyhee River.	2011, 2012, 2013, 2016	No observation	
Stiff milkvetch	<i>Astragalus conjunctus</i> var. <i>conjunctus</i>	NA	NA	ID Type 4	NA	NA	Mid-April-June	Rocky hilltops, hillsides and canyon benches of sagebrush scabland and steppe-desert communities up to the lower edge of the pine forest on volcanic, especially basalt, substrates from 3,600-5,400 feet.	2012, 2016	No observation	
Thickstem wild cabbage	<i>Caulanthus crassicaulis</i> var. <i>glaber</i>	NA	OR Sensitive	NA	NA	NA	May-July	It inhabits low dry hillsides with mountain mahogany ( <i>Cercocarpus</i> ), sagebrush ( <i>Artemisia</i> ), and Pinyon-Juniper on sandy, clay soils from 4,800-6,700 ft.	2013	No observation	
Turtleback	<i>Psathyrotes annua</i>	NA	NA	ID Type 3	NA	NA	June-August	Salt desert shrub communities, usually on sandy, well drained soils, 2,400-3,900 feet.	2012	No observation	
Western moonwort	<i>Botrychium hesperium</i>	NA	OR Sensitive	NA	OR Sensitive	NA	May-August	Sagebrush shrubland, moist and dry meadows, forest edges; in dry gravelly, or sandy loams. It may remain dormant during droughtly years. Associated with lodgepole pine ( <i>Pinus contorta</i> ), Engelmann spruce ( <i>Picea engelmannii</i> ), strawberry ( <i>Fragaria virginiana</i> ), and other grapeferns ( <i>Botrychium</i> spp.). Known from 2,500-6,300 feet.	2012	No observation	
White false tickhead	<i>Eatonella nivea</i>	NA	NA	ID Type 4	NA	NA	Early April-June	Dry desert areas in sandy or volcanic soils, often with sagebrush, 2,500-6,200 feet elevation.	2012	No observation	
White-margined wax plant	<i>Glyptopleura marginata</i>	NA	NA	ID Type 4	NA	NA	May-June	Dry sandy-gravelly or loose ash soils in shadscale ( <i>Atriplex confertifolia</i> ), greasewood, rabbitbrush, spiny hopsage ( <i>Grayia spinosa</i> ), winterfat ( <i>Krascheninnikovia lanata</i> ), and sagebrush communities, 2,600-3,900 feet elevation.	2011, 2012, 2016	No observation	
Yellow scorpionweed	<i>Phacelia lutea</i> var. <i>calva</i>	NA	NA	ID Type 3	NA	NA	May-July	Volcanic ash soils in Wyoming big sagebrush or salt desert shrub zones, from 2,900 to 5,200 feet elevation.	2011, 2012, 2016	No observation	

<sup>1</sup> ODA (Oregon Department of Agriculture). 2016. Oregon Threatened, Endangered, and Candidate Plants. Accessed March 9, 2016 from: <http://www.oregon.gov/ODA/programs/PlantConservation/Pages/AboutPlants.aspx>

<sup>2</sup> BLM. 2015. Final OR/WA State Director Special Status Species List, July 13, 2015. Accessed from <http://www.fs.fed.us/r6/sfpnw/issssp/agency-policy/>

<sup>3</sup> BLM. 2016. Idaho Special Status Species List – Final November 4, 2016. Accessed from <http://www.blm.gov/id/st/en/prog/botany0.html>

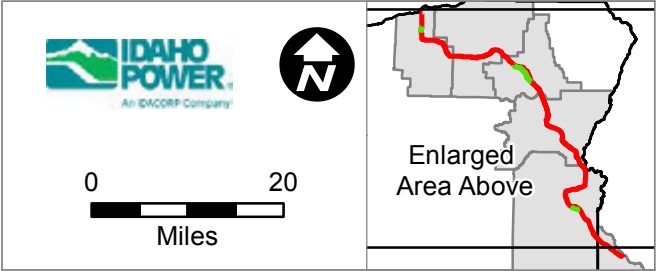
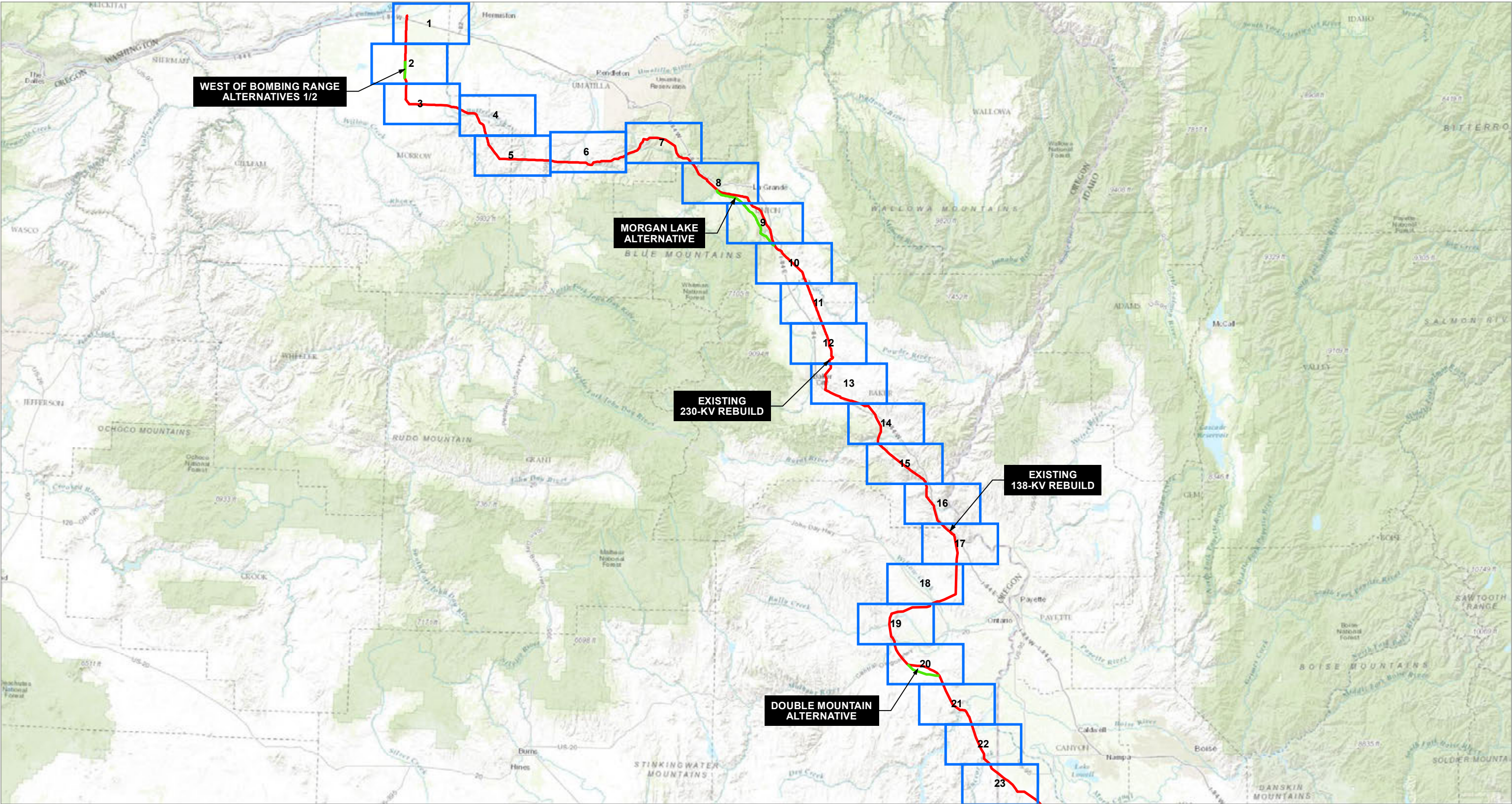
<sup>4</sup> USFS (United States Forest Service). 2015. Final Region 6 Regional Forester Special Status Species List, July 13, 2015.

<sup>5</sup> USFWS (United States Fish and Wildlife Service). 2016. Listed Plants. Accessed November 14, 2016 from <http://ecos.fws.gov/ecp0/reports/ad-hoc-species-report?kingdom=P&status=E&status=T&status=EmE&status=EmT&status=EXPE&status=EXPN&status=SAE&status=SAT&mapstatus=3&forithab=on&fstatus=on&fspecrule=on&finvpop=on&fgroup=on&ffamily=on&header=Listed+Plants>



**Appendix 3-B**  
**Special Status Plant Results Mapbook**





**Project Features**

- Proposed Route
- Alternative

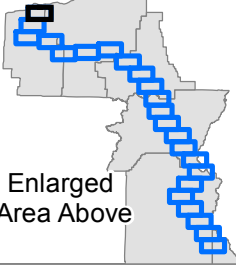



Index Map

Boardman to Hemingway  
Transmission Line Project

**Special Status Plant  
Overview Index**







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**SSP\* Occurrence/Observation Outside Survey Area**

- Other SSP (Name- Occurrence #, if available)

**Land Ownership**

- Bureau of Land Management
- Fish and Wildlife Service
- Bureau of Reclamation
- Military Reservation/Corps of Engineers
- State
- Private

**Other Features**

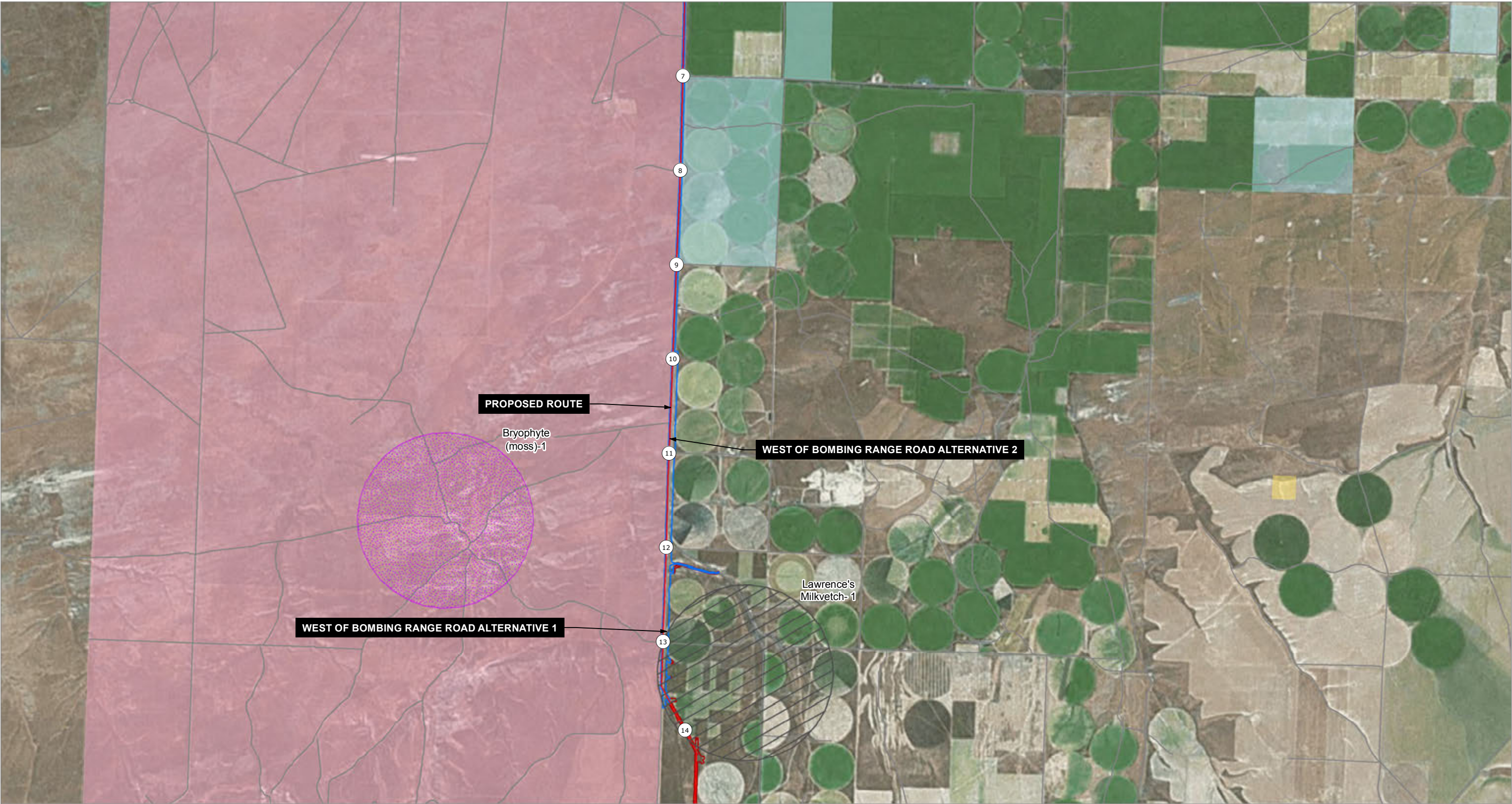
- Other Roads
- Interstate Highway
- US and State Highway
- Cities

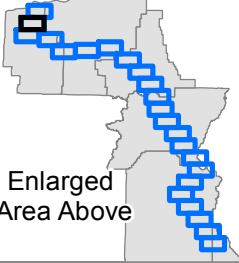


**Boardman to Hemingway Transmission Line Project**

**Special Status Plant Results**

Figure 1 of 23







0 1  
Miles

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**SSP\* Occurrence/Observation Outside Survey Area**

- Other SSP (Name- Occurrence #, if available)

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- Military Reservation/Corps of Engineers
- State
- Private

**Other Features**

- Other Roads

\*SSP- Special Status Plant

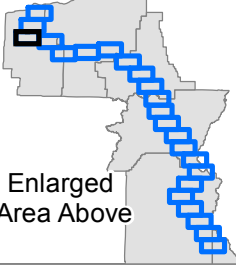



Boardman to Hemingway  
Transmission Line Project

**Special Status Plant  
Results**

Figure 2 of 23







Enlarged Area Above

Project Features	Land Ownership	Other Features
Surveyed	Military Reservation/Corps of Engineers	Other Roads
Not Surveyed	Private	Cities
Milepost		
Proposed Route		

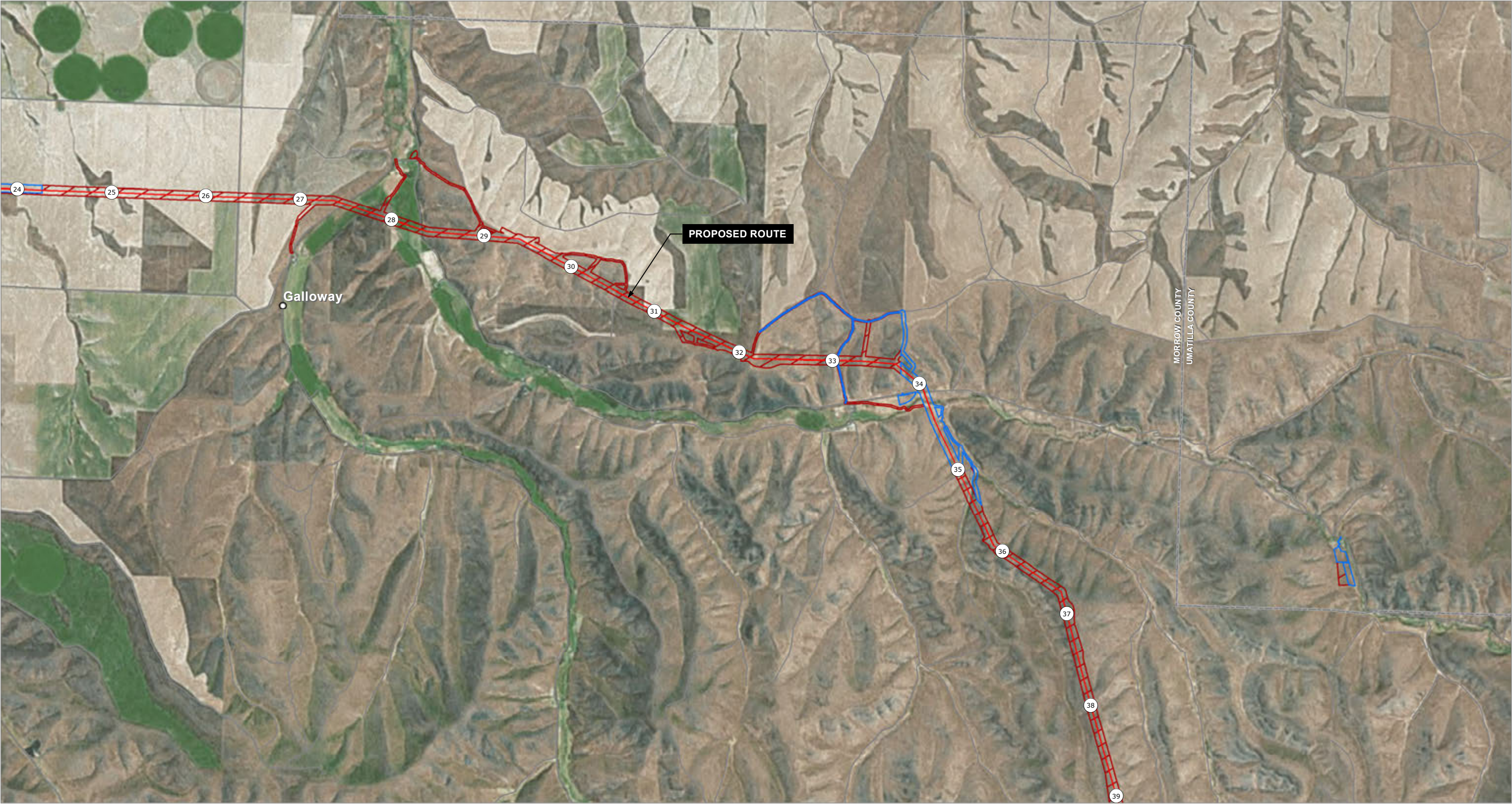
\*SSP- Special Status Plant




Boardman to Hemingway  
Transmission Line Project

**Special Status Plant  
Results**

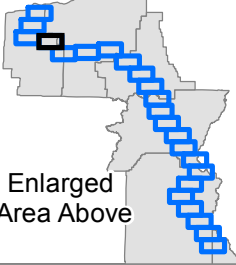
Figure 3 of 23







Miles



Enlarged Area Above

- |                         |                       |                       |
|-------------------------|-----------------------|-----------------------|
| <b>Project Features</b> | <b>Land Ownership</b> | <b>Other Features</b> |
| Surveyed                | Private               | Other Roads           |
| Not Surveyed            |                       | Cities                |
| Milepost                |                       |                       |
| Proposed Route          |                       |                       |

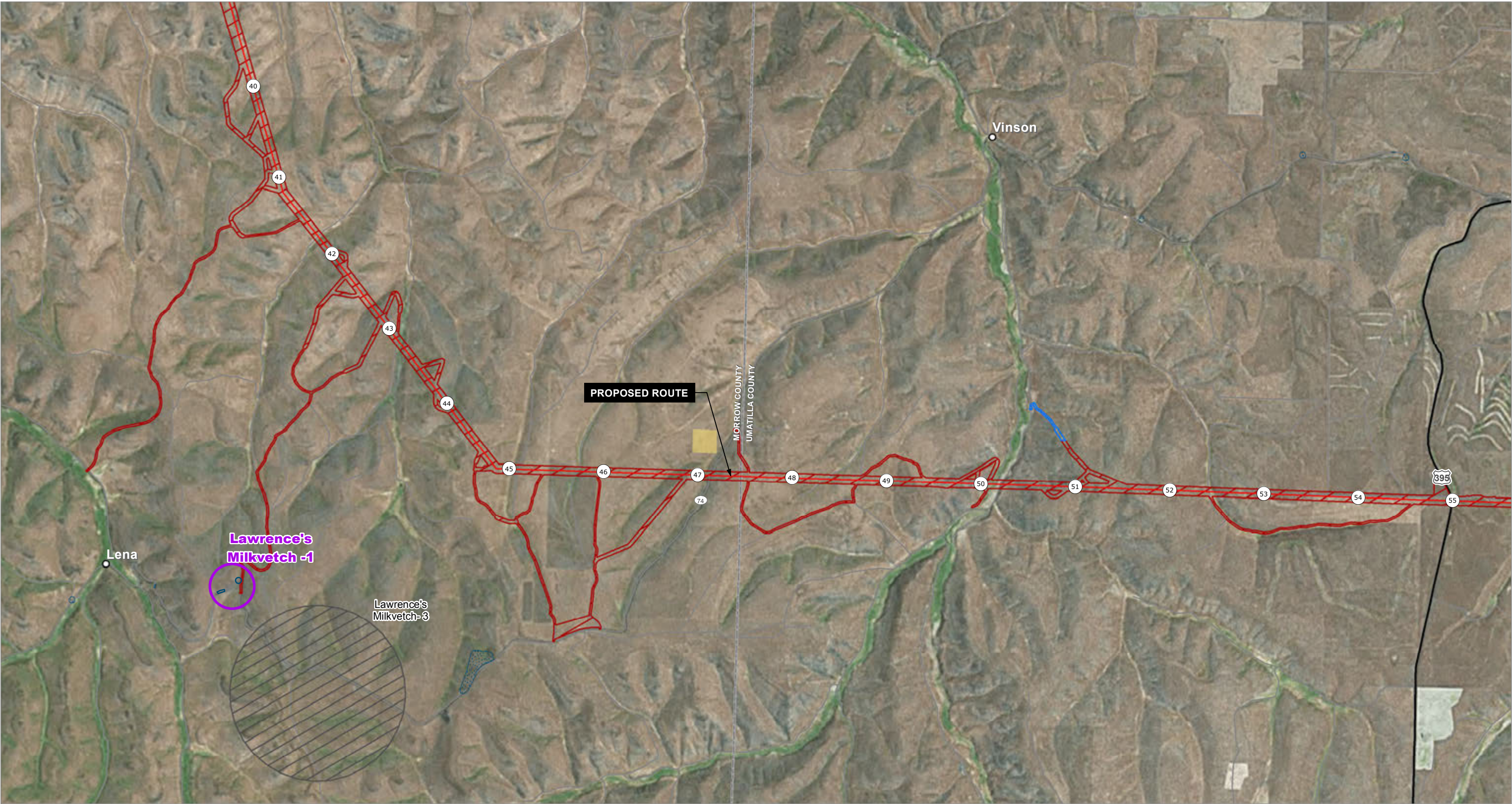
\*SSP- Special Status Plant

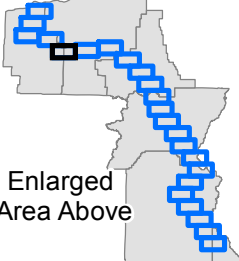



Boardman to Hemingway  
Transmission Line Project

**Special Status Plant  
Results**

Figure 4 of 23







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**SSP\* Occurrences Overlapping the Survey Area**

- Lawrence's Milkvetch
- Occurrence: SSP Name and Number

**SSP\* Occurrence/Observation Outside Survey Area**

- Lawrence's Milkvetch

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- Private

**Other Features**

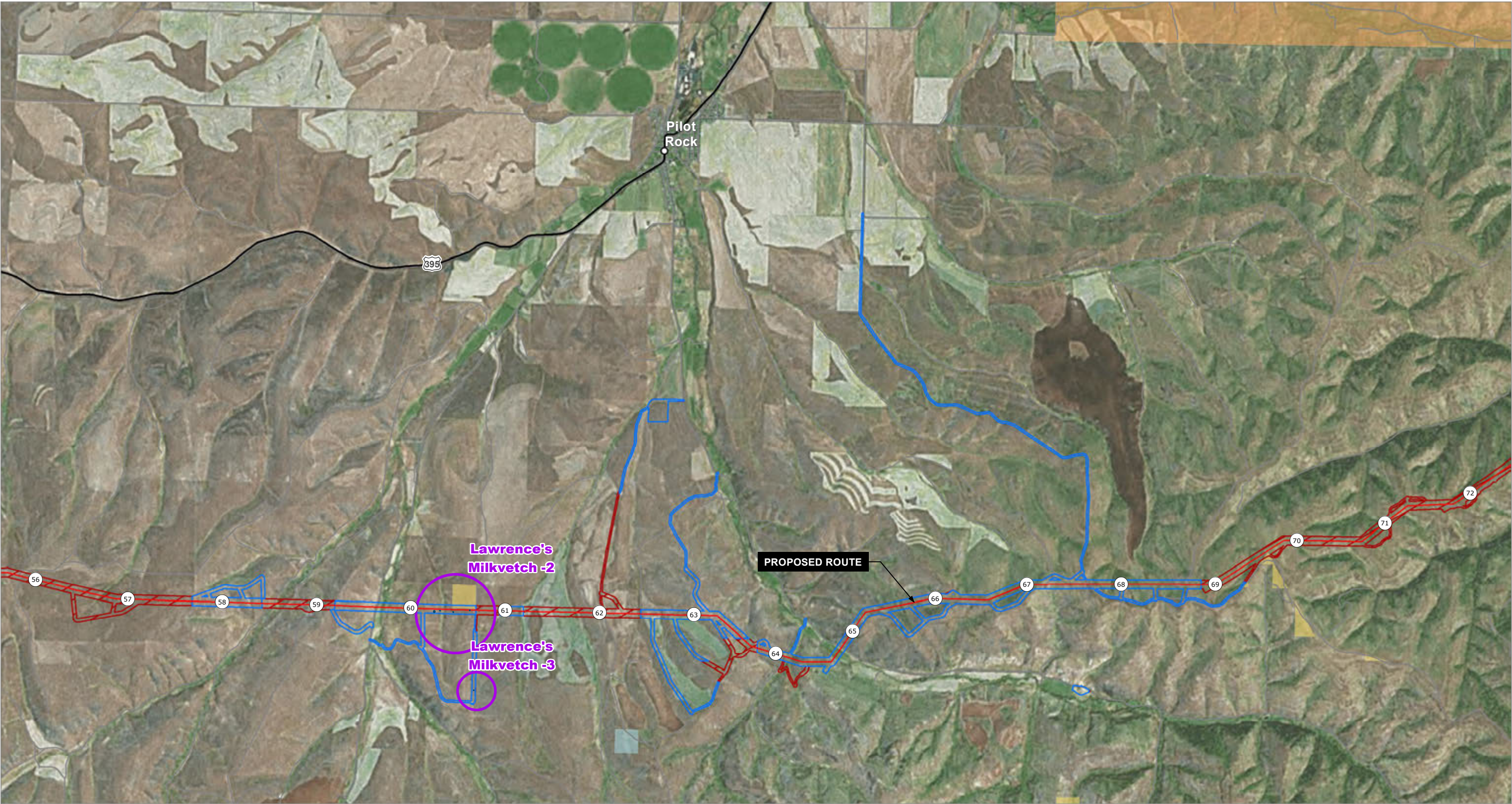
- Other Roads
- US and State Highway
- Cities

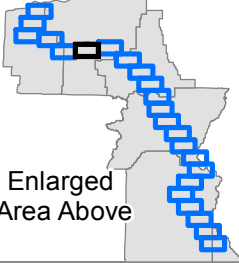


**Boardman to Hemingway Transmission Line Project**

**Special Status Plant Results**

Figure 5 of 23







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**SSP\* Occurrences Overlapping the Survey Area**

- Lawrence's Milkvetch
- Occurrence: SSP Name and Number

**Land Ownership**

- Bureau of Land Management
- Indian Reservation
- State
- Private

**Other Features**

- Other Roads
- US and State Highway
- Cities

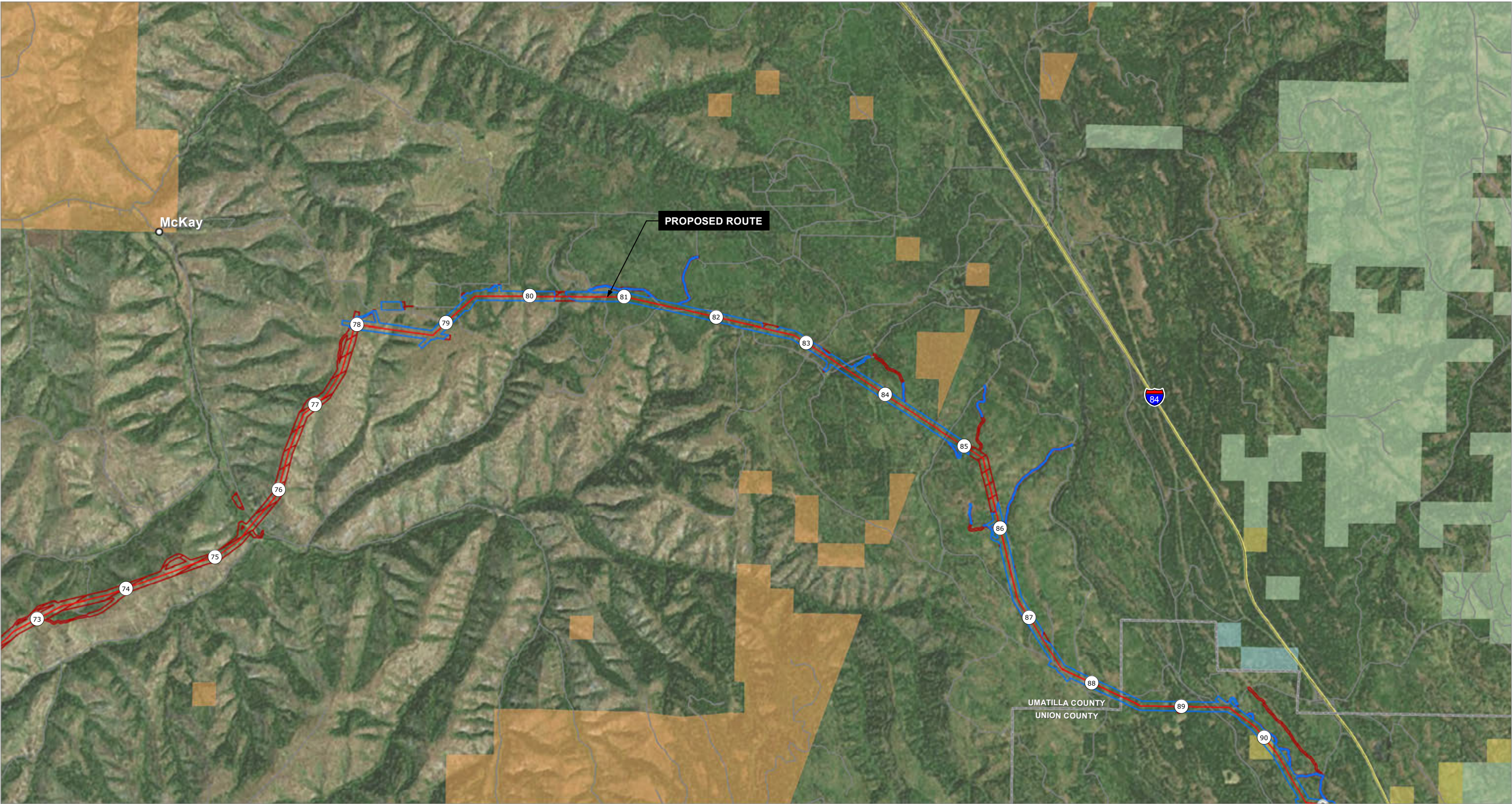
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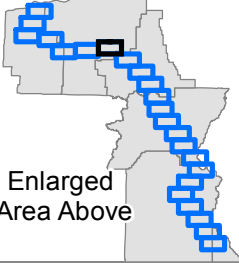



**Special Status Plant Results**

Figure 6 of 23

\*SSP- Special Status Plant







Enlarged Area Above

Project Features	Land Ownership	Other Features
Surveyed	Bureau of Land Management	Other Roads
Not Surveyed	US Forest Service	Interstate Highway
Milepost	Indian Reservation	Cities
Proposed Route	State	
	Private	

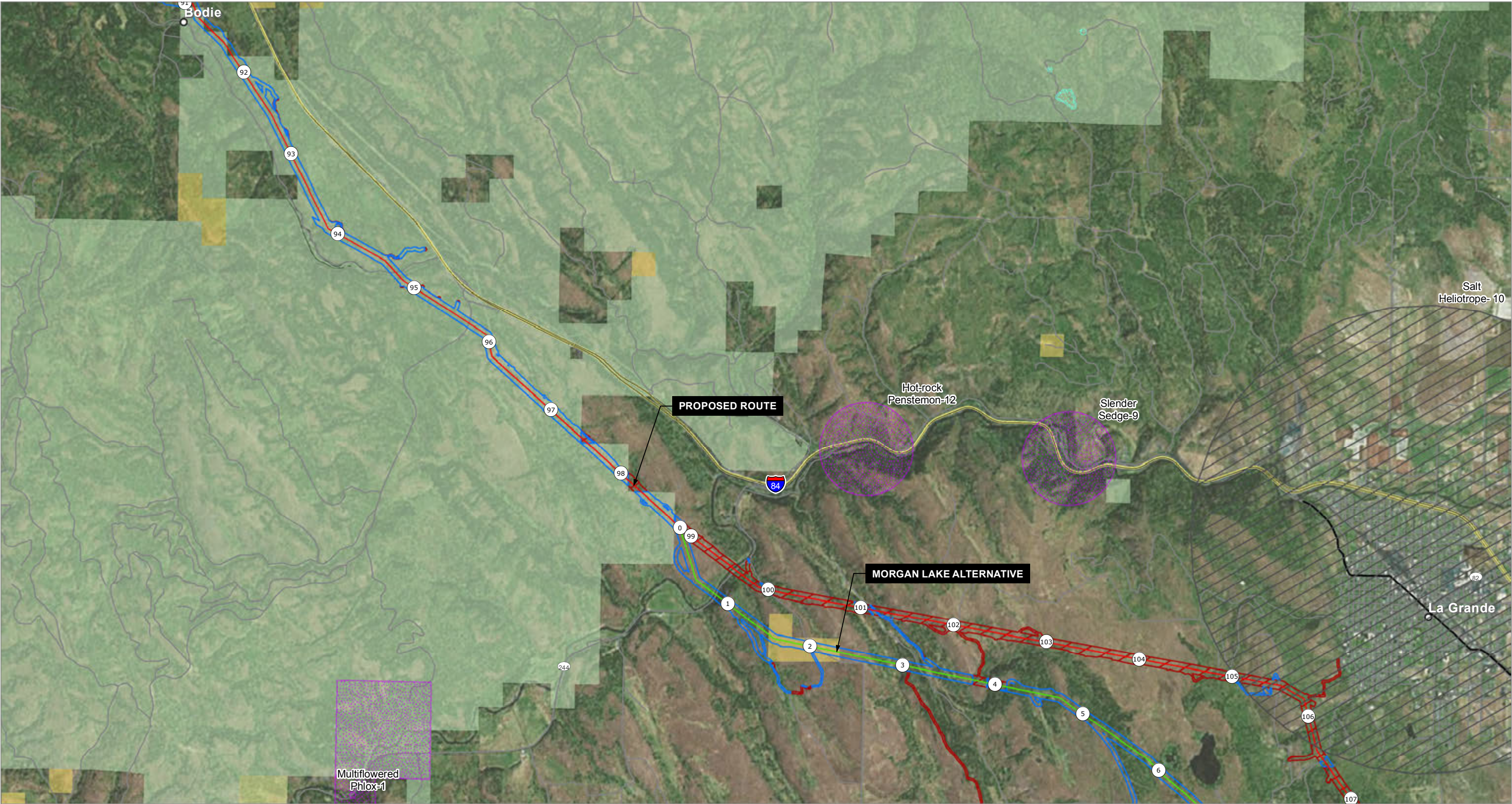
\*SSP- Special Status Plant

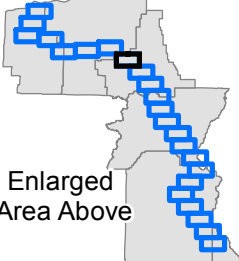



Boardman to Hemingway  
Transmission Line Project

**Special Status Plant  
Results**

Figure 7 of 23







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Alternative

**SSP\* Occurrence/Observation Outside Survey Area**

- Other SSP (Name- Occurrence #, if available)
- Douglas' Clover

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- US Forest Service
- Bureau of Reclamation
- Private

**Other Features**

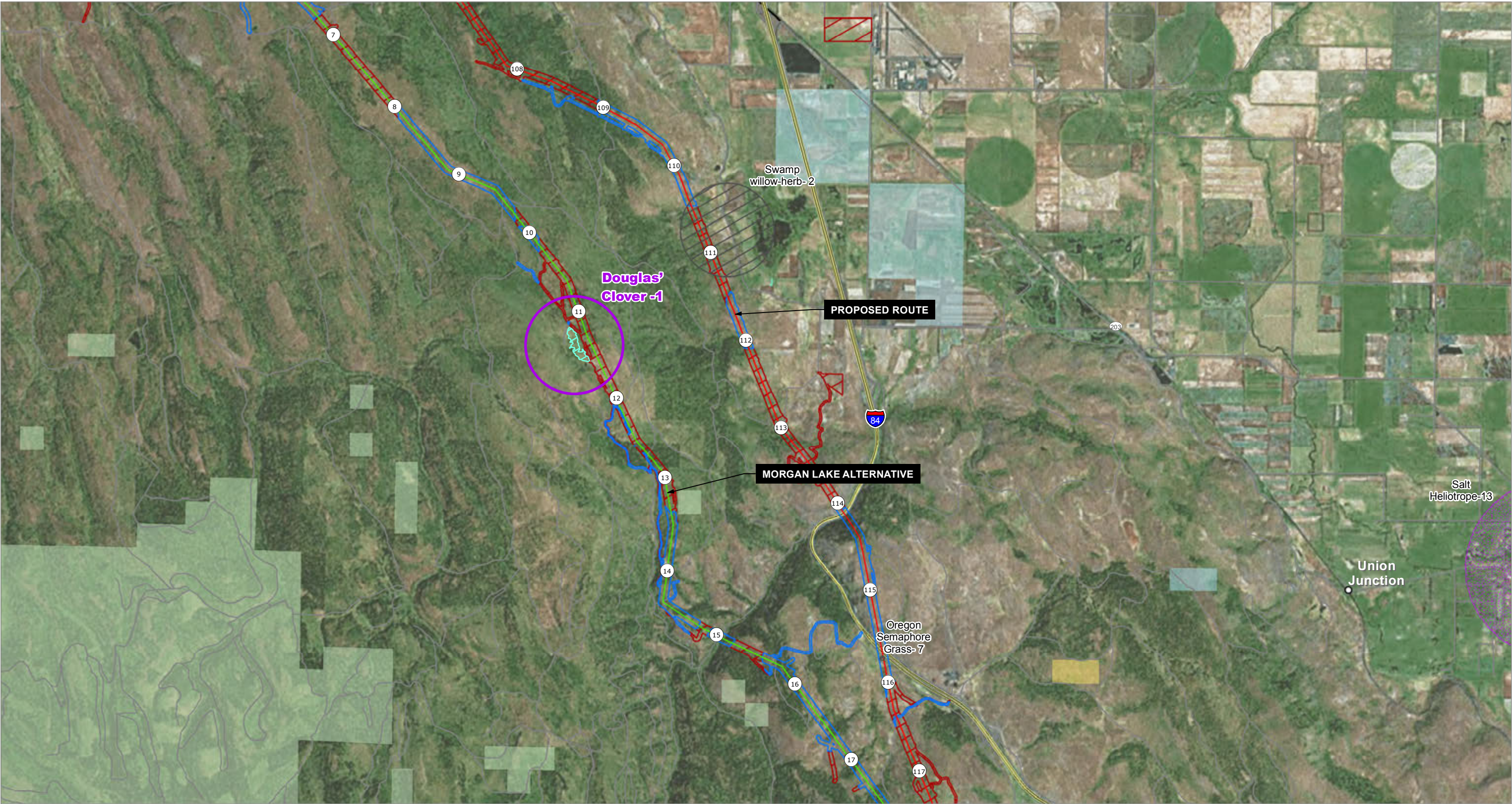
- Other Roads
- Interstate Highway
- US and State Highway
- Cities

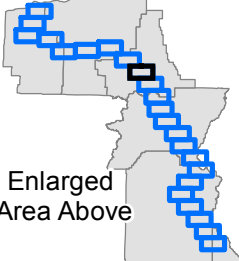



**Boardman to Hemingway Transmission Line Project**

**Special Status Plant Results**

Figure 8 of 23







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Alternative

**SSP\* Occurrences Overlapping the Survey Area**

- Douglas' Clover
- Occurrence: SSP Name and Number

**SSP\* Occurrence/Observation Outside Survey Area**

- Other SSP (Name- Occurrence #, if available)
- Douglas' Clover

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- US Forest Service
- State
- Private

**Other Features**

- Other Roads
- Interstate Highway
- US and State Highway
- Cities

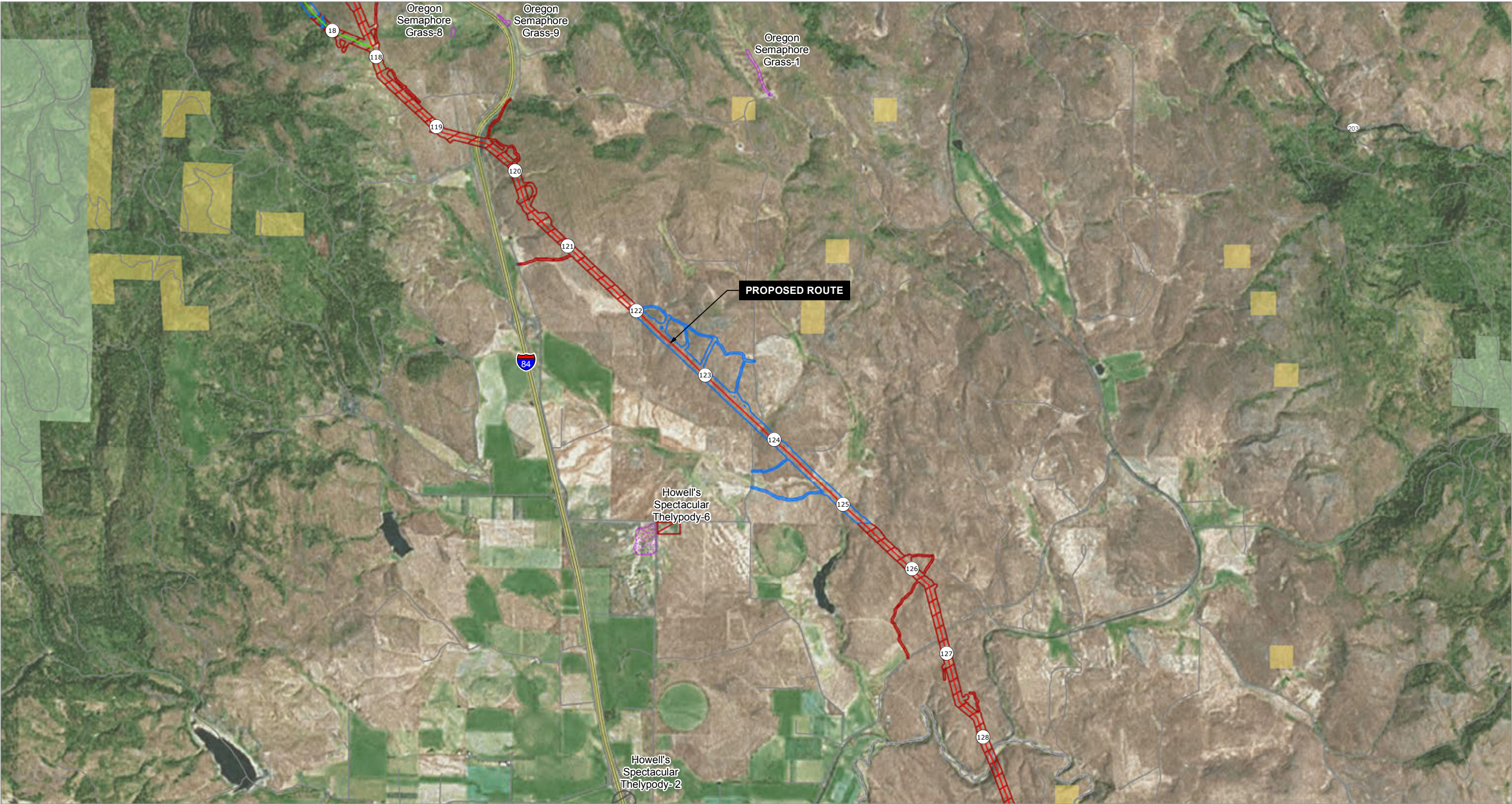
**Boardman to Hemingway Transmission Line Project**

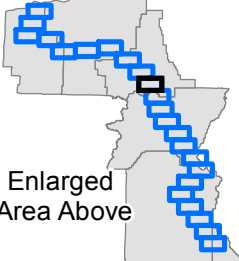



**Special Status Plant Results**

Figure 9 of 23

\*SSP- Special Status Plant







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Alternative

**SSP\* Occurrence/Observation Outside Survey Area**

- Other SSP (Name- Occurrence #, if available)
- Douglas' Clover

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- US Forest Service
- Private

**Other Features**

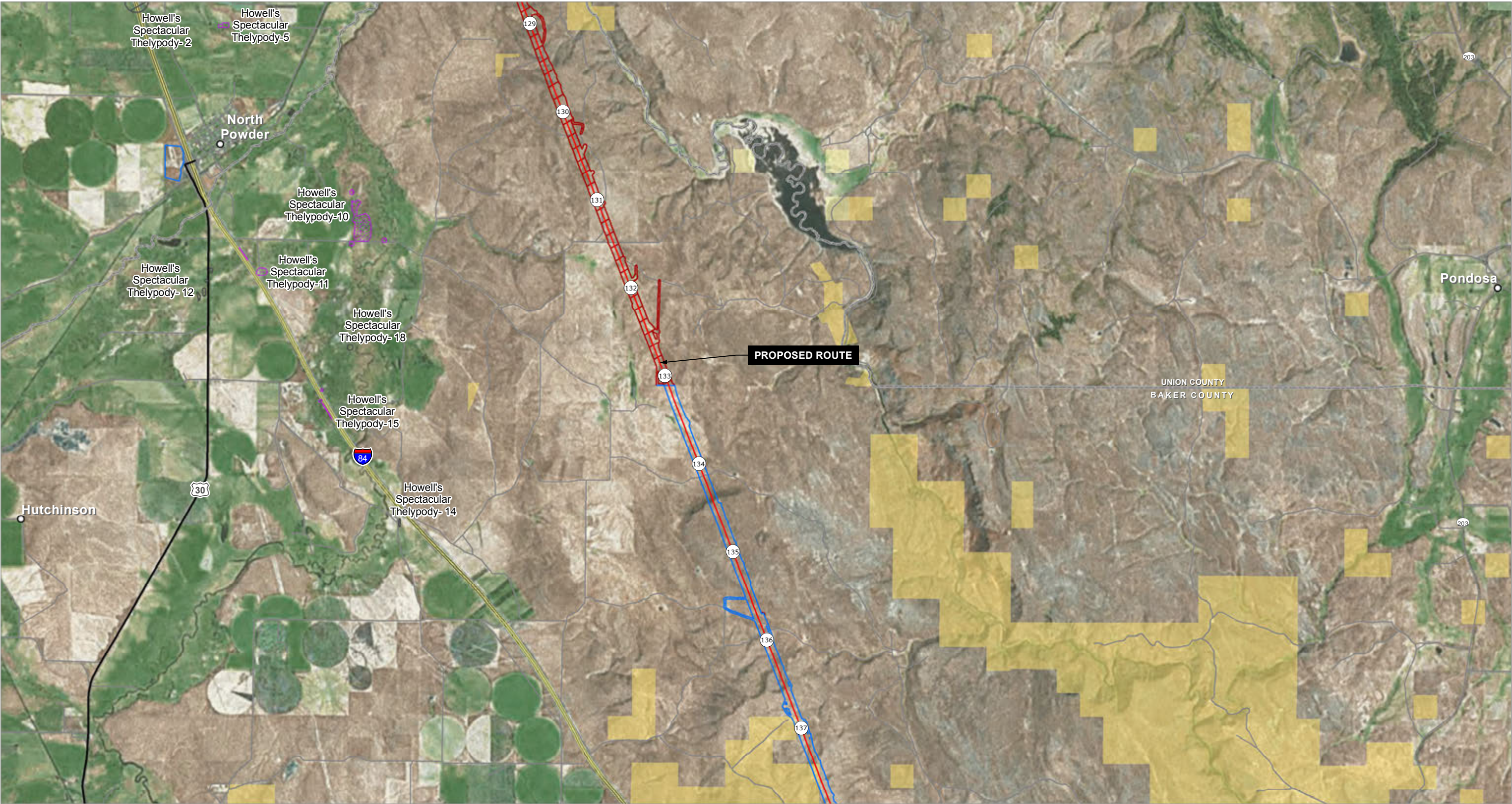
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- Interstate Highway

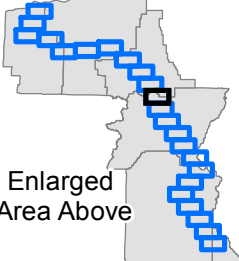



Boardman to Hemingway  
Transmission Line Project

**Special Status Plant  
Results**

Figure 10 of 23







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**SSP\* Occurrence/Observation Outside Survey Area**

- Other SSP (Name- Occurrence #, if available)

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- US Forest Service
- Bureau of Reclamation
- Private

**Other Features**

- Other Roads
- Interstate Highway
- US and State Highway
- Cities

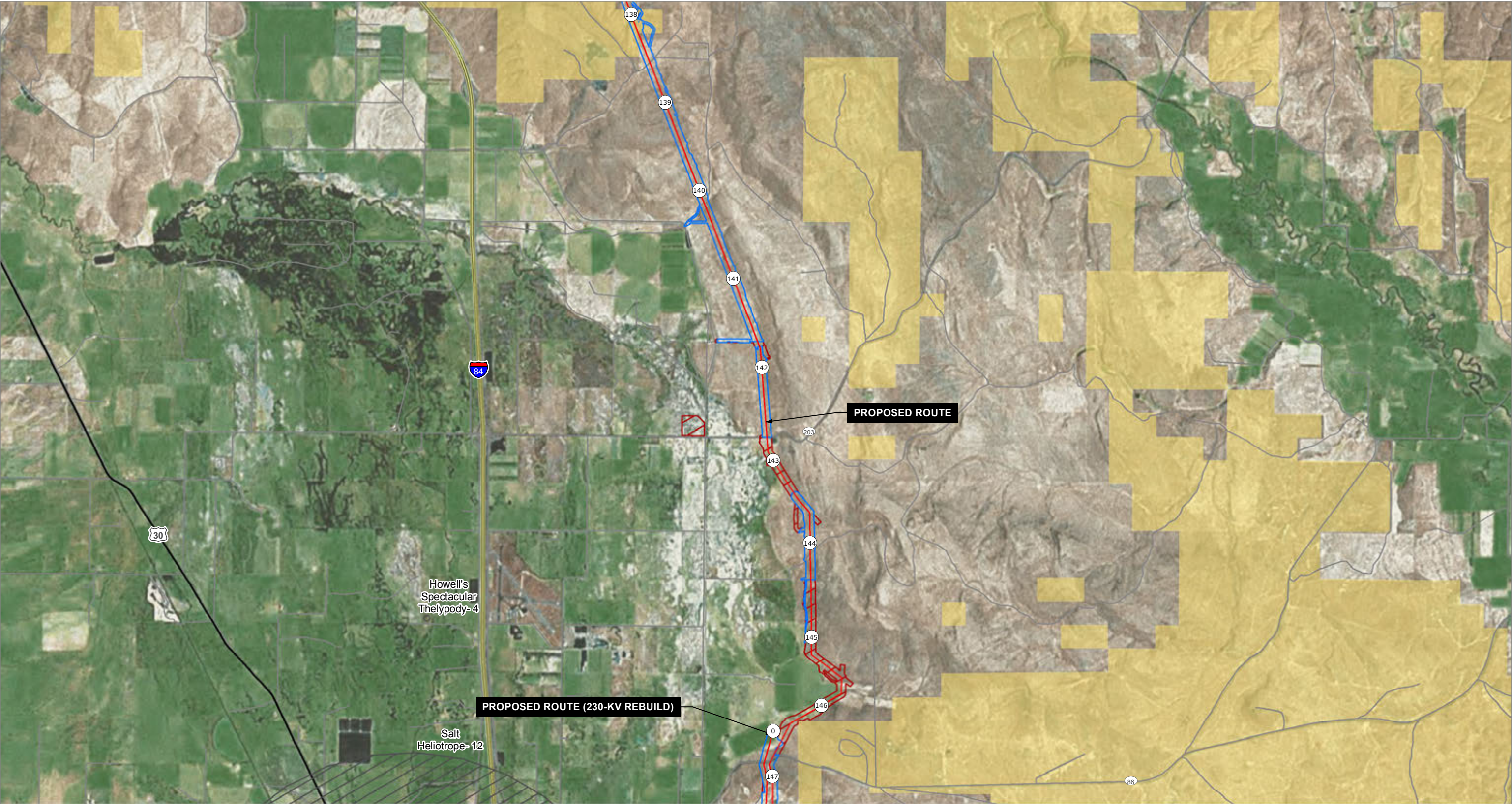
**Boardman to Hemingway Transmission Line Project**

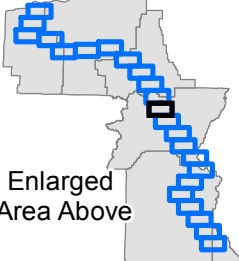



**Special Status Plant Results**

Figure 11 of 23

\*SSP- Special Status Plant







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- Private

**Other Features**

- Other Roads
- Interstate Highway
- US and State Highway

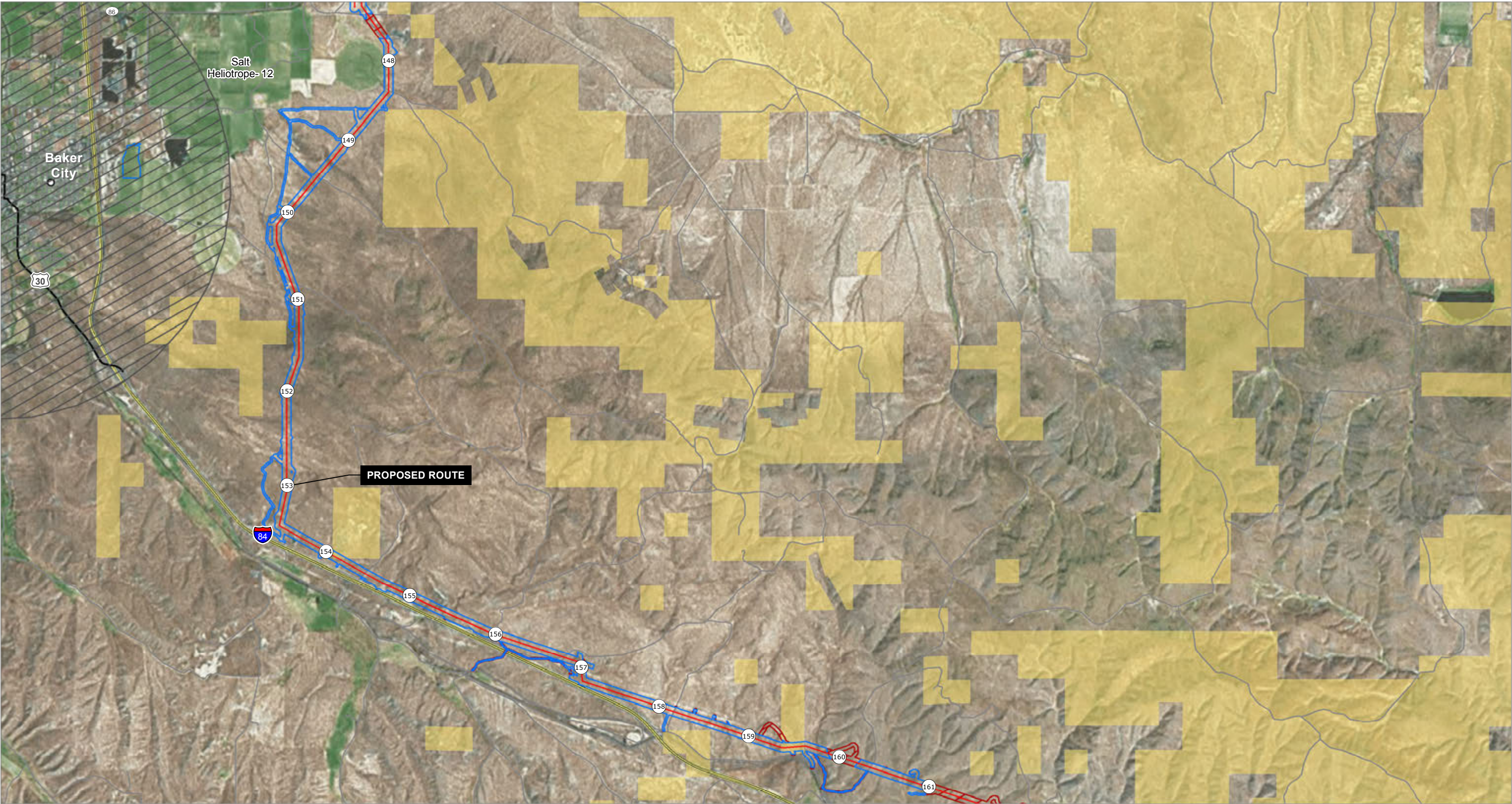
\*SSP- Special Status Plant

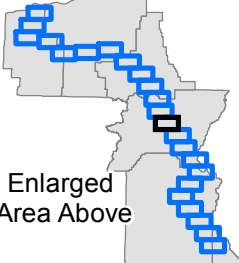



Boardman to Hemingway  
Transmission Line Project

**Special Status Plant  
Results**

Figure 12 of 23







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- Private

**Other Features**

- Other Roads
- Interstate Highway
- US and State Highway
- Cities

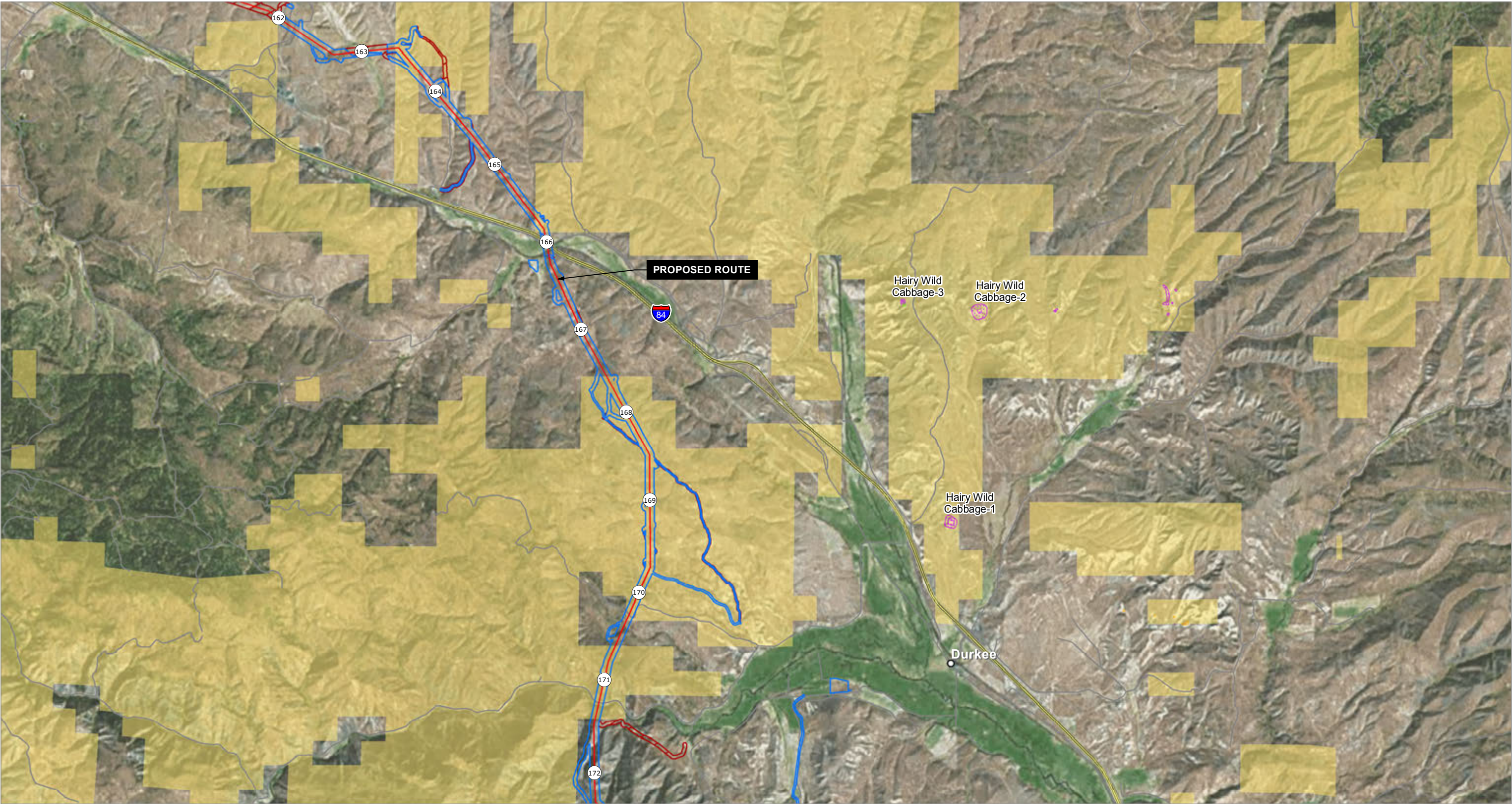
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Transmission Line Project**

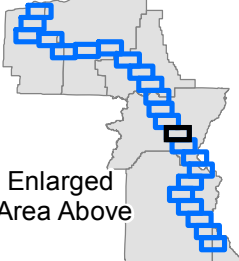



**Special Status Plant  
Results**

Figure 13 of 23

\*SSP- Special Status Plant







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**SSP\* Occurrence/Observation Outside Survey Area**

- Other SSP (Name- Occurrence #, if available)
- Calcareous Buckwheat
- Malheur Cryptantha

**Land Ownership**

- Bureau of Land Management
- Private

**Other Features**

- Other Roads
- Interstate Highway
- Cities

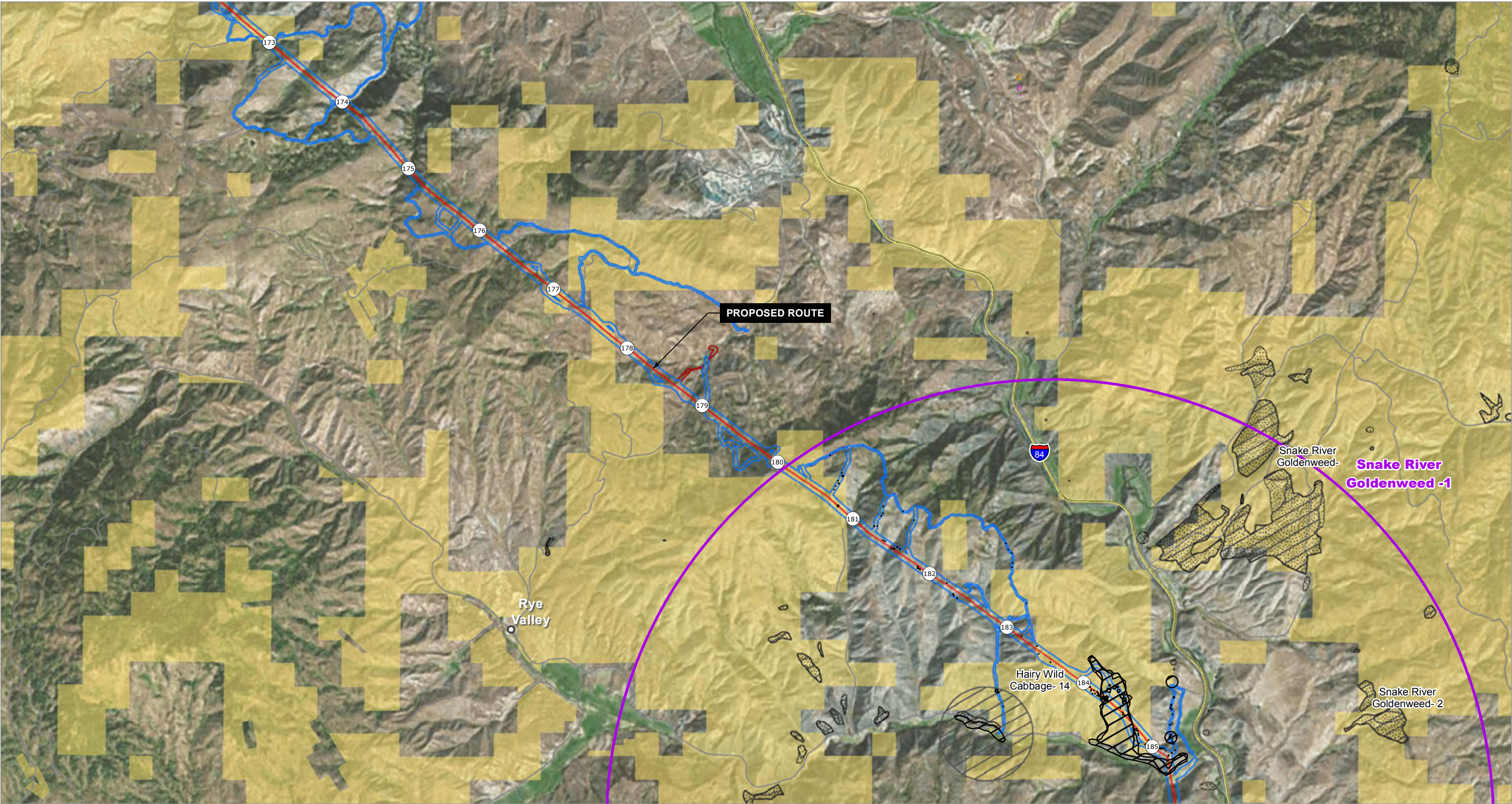
Boardman to Hemingway Transmission Line Project

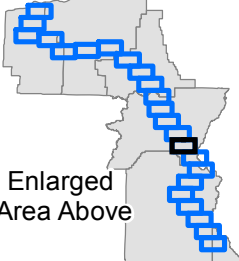
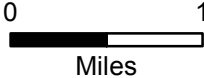


**Special Status Plant Results**

Figure 14 of 23

\*SSP- Special Status Plant







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**SSP\* Occurrences Overlapping the Survey Area**

- Snake River Goldenweed
- Occurrence: SSP Name and Number

**SSP\* Occurrence/Observation Outside Survey Area**

- Other SSP (Name- Occurrence #, if available)
- Calcareous Buckwheat
- Snake River Goldenweed

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- Private

**Other Features**

- Other Roads
- Interstate Highway
- Cities

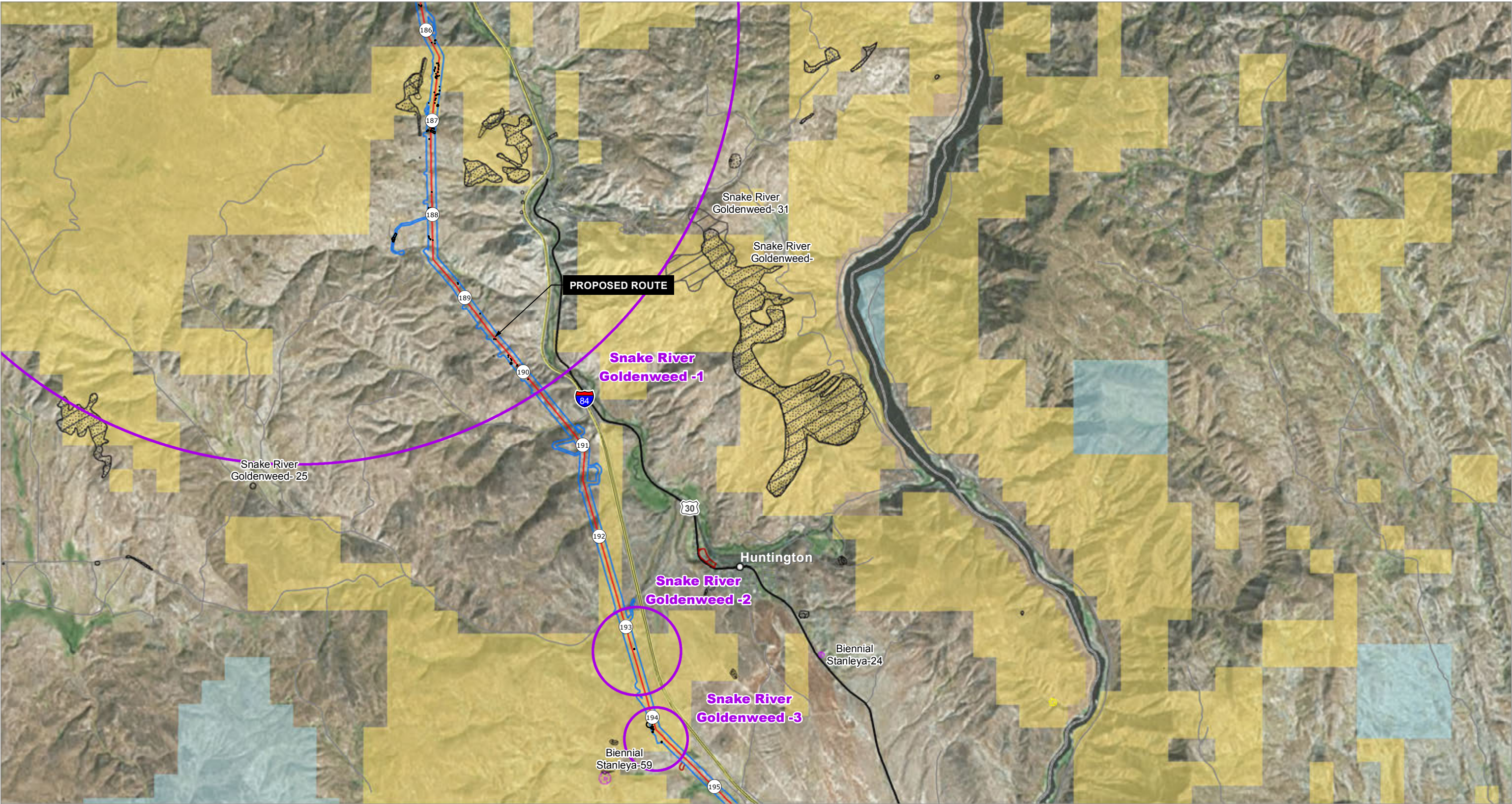
**Boardman to Hemingway Transmission Line Project**

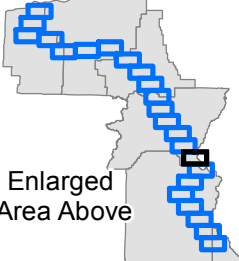
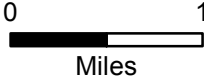


**Special Status Plant Results**

Figure 15 of 23

\*SSP- Special Status Plant







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**SSP\* Occurrences Overlapping the Survey Area**

- Snake River Goldenweed
- Occurrence: SSP Name and Number

**SSP\* Occurrence/Observation Outside Survey Area**

- Other SSP (Name- Occurrence #, if available)
- Cronquist's Stickweed
- Snake River Goldenweed

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- Other Federal
- State
- Private

**Other Features**

- Other Roads
- Interstate Highway
- US and State Highway
- Cities

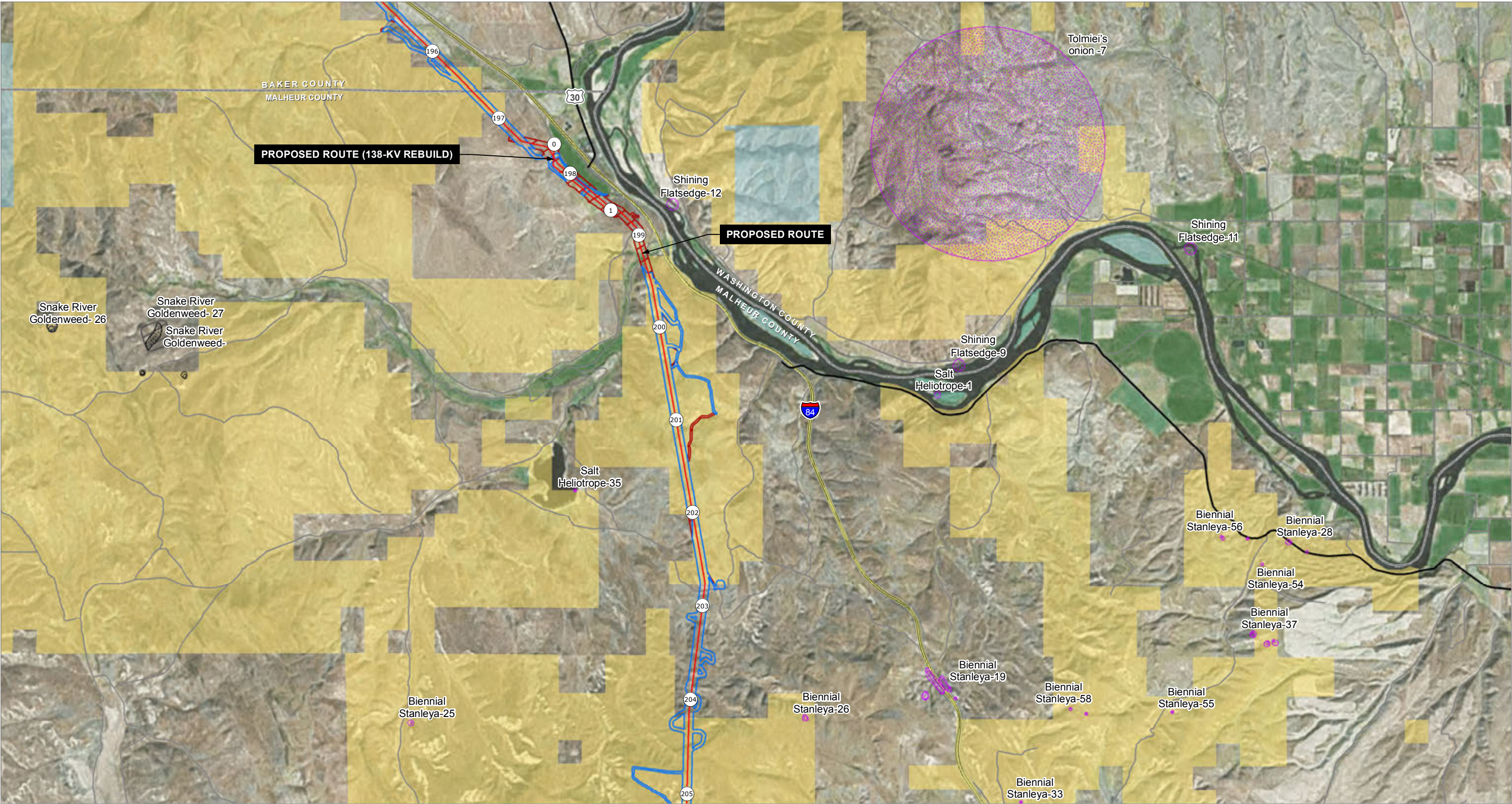
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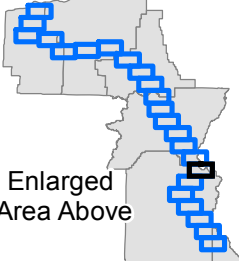



**Special Status Plant Results**

Figure 16 of 23

\*SSP- Special Status Plant







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**SSP\* Occurrence/Observation Outside Survey Area**

- Other SSP (Name- Occurrence #, if available)
- Snake River Goldenweed

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- Fish and Wildlife Service
- Other Federal
- State
- Private

**Other Features**

- Other Roads
- Interstate Highway
- US and State Highway

**Boardman to Hemingway Transmission Line Project**

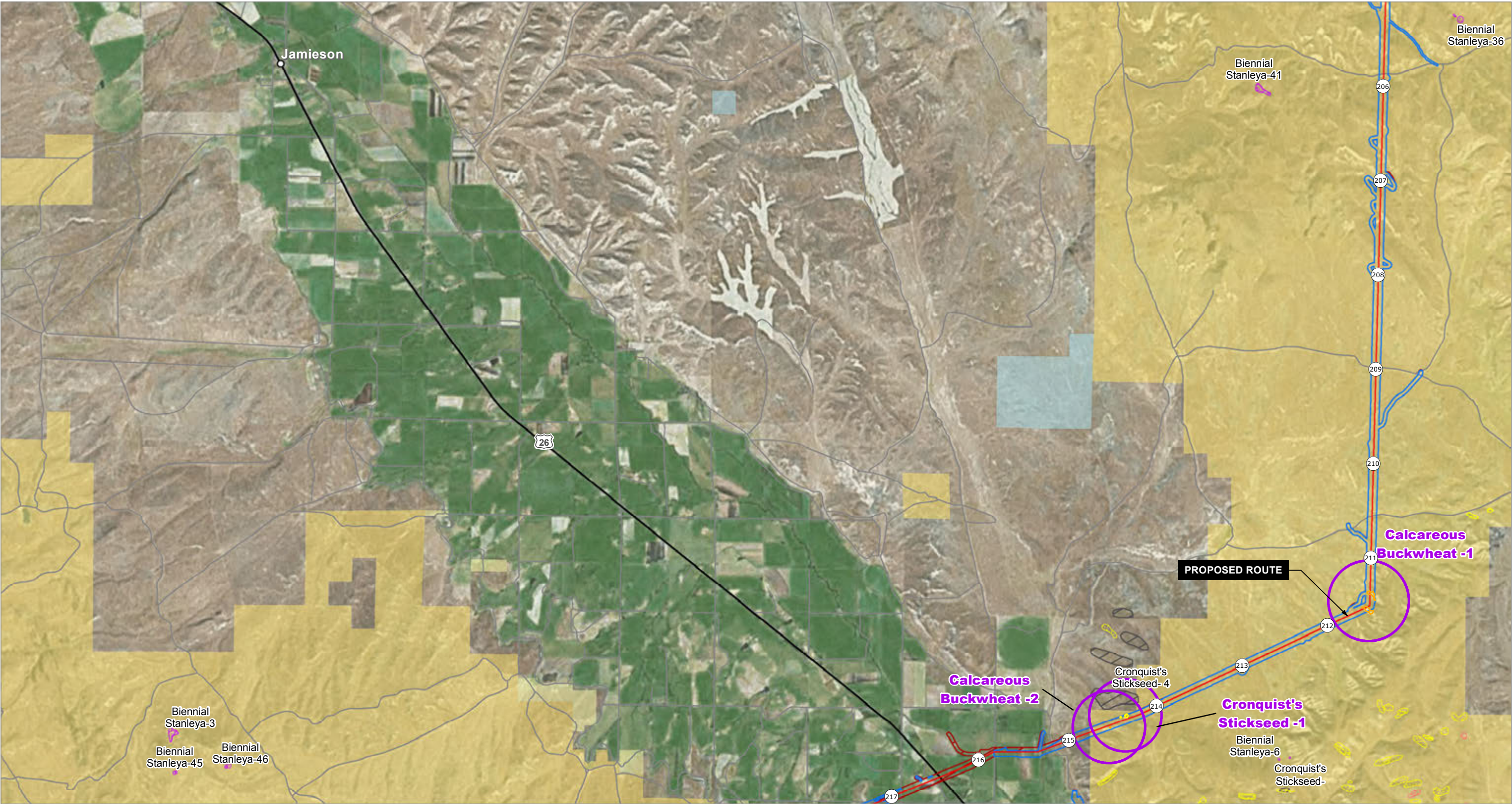
**Special Status Plant Results**

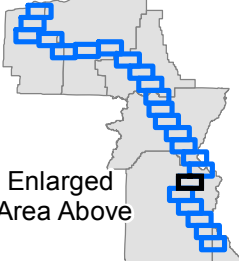



Figure 17 of 23

\*SSP- Special Status Plant

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Source: Z:\UI\Serv\Boardman\_Hemingway\Reports\005\_Biological\_Resources\Surveys\2016\Summary\_2011\_2016\SSP\SSP\_Summary\_Mapbook\_v5.mxd







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**SSP\* Occurrences Overlapping the Survey Area**

- Calcareous Buckwheat
- Cronquist's Stickseed
- Occurrence: SSP Name and Number

**SSP\* Occurrence/Observation Outside Survey Area**

- Other SSP (Name- Occurrence #, if available)
- Calcareous Buckwheat
- Cronquist's Stickweed
- Mulford's Milkvetch

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- Bureau of Reclamation
- State
- Private

**Other Features**

- Other Roads
- US and State Highway
- Cities

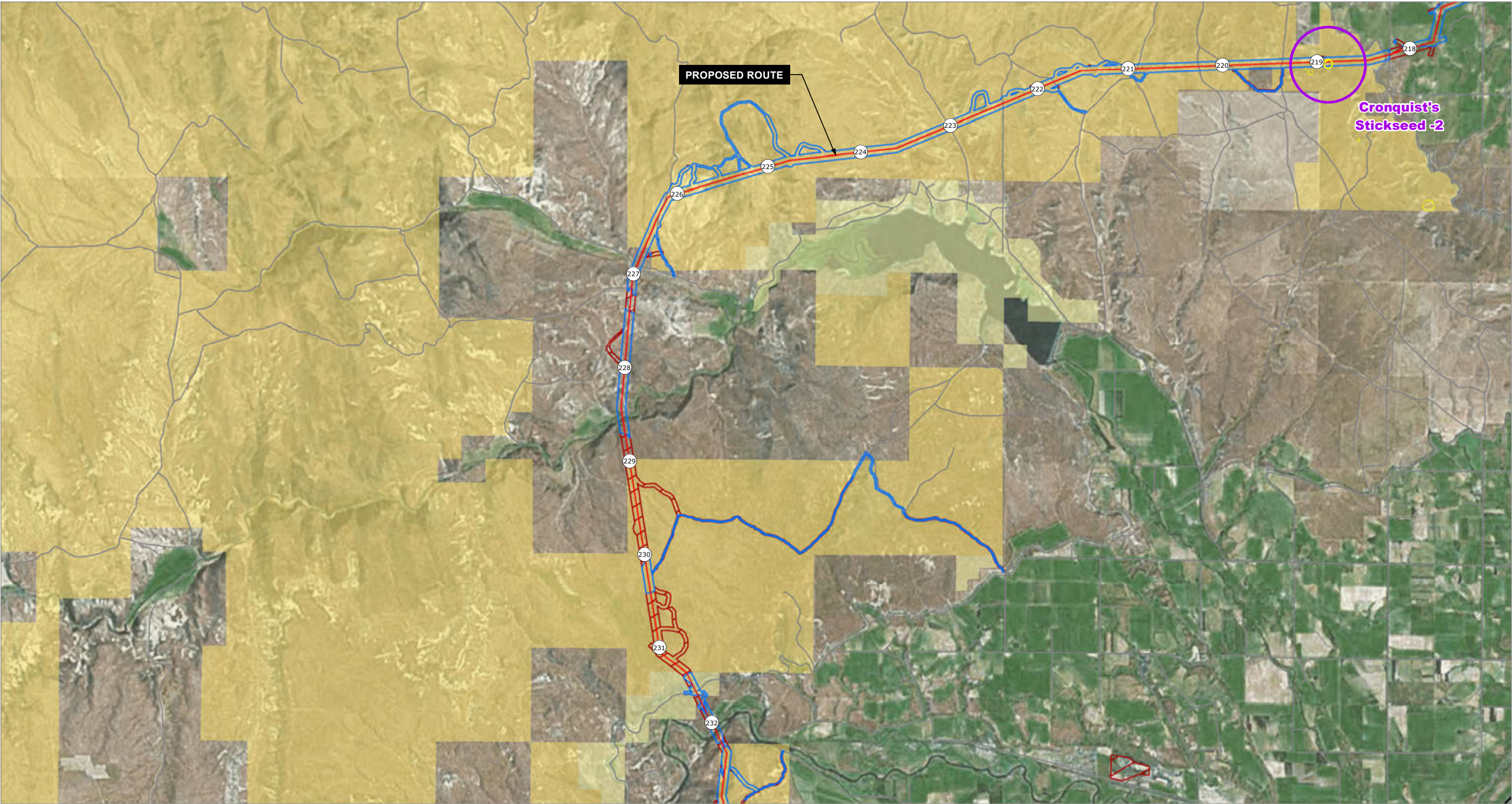
**Boardman to Hemingway Transmission Line Project**


**Special Status Plant Results**


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\*SSP- Special Status Plant









Miles



Enlarged Area Above

**Project Features**  
[Blue line] Surveyed  
[Red line] Not Surveyed  
[Milepost symbol] Milepost  
[Red line] Proposed Route

**SSP\* Occurrences Overlapping the Survey Area**  
[Yellow box] Cronquist's Stickseed  
[Purple box] Occurrence: SSP Name and Number

**SSP\* Occurrence/Observation Outside Survey Area**  
[Yellow box with dots] Cronquist's Stickseed  
[Blue box with dots] Cusick's Pincushion

**Land Ownership**  
[Yellow box] Bureau of Land Management  
[Light yellow box] Bureau of Reclamation  
[White box] Private

**Other Features**  
[Grey line] Other Roads  
[Black line] US and State Highway

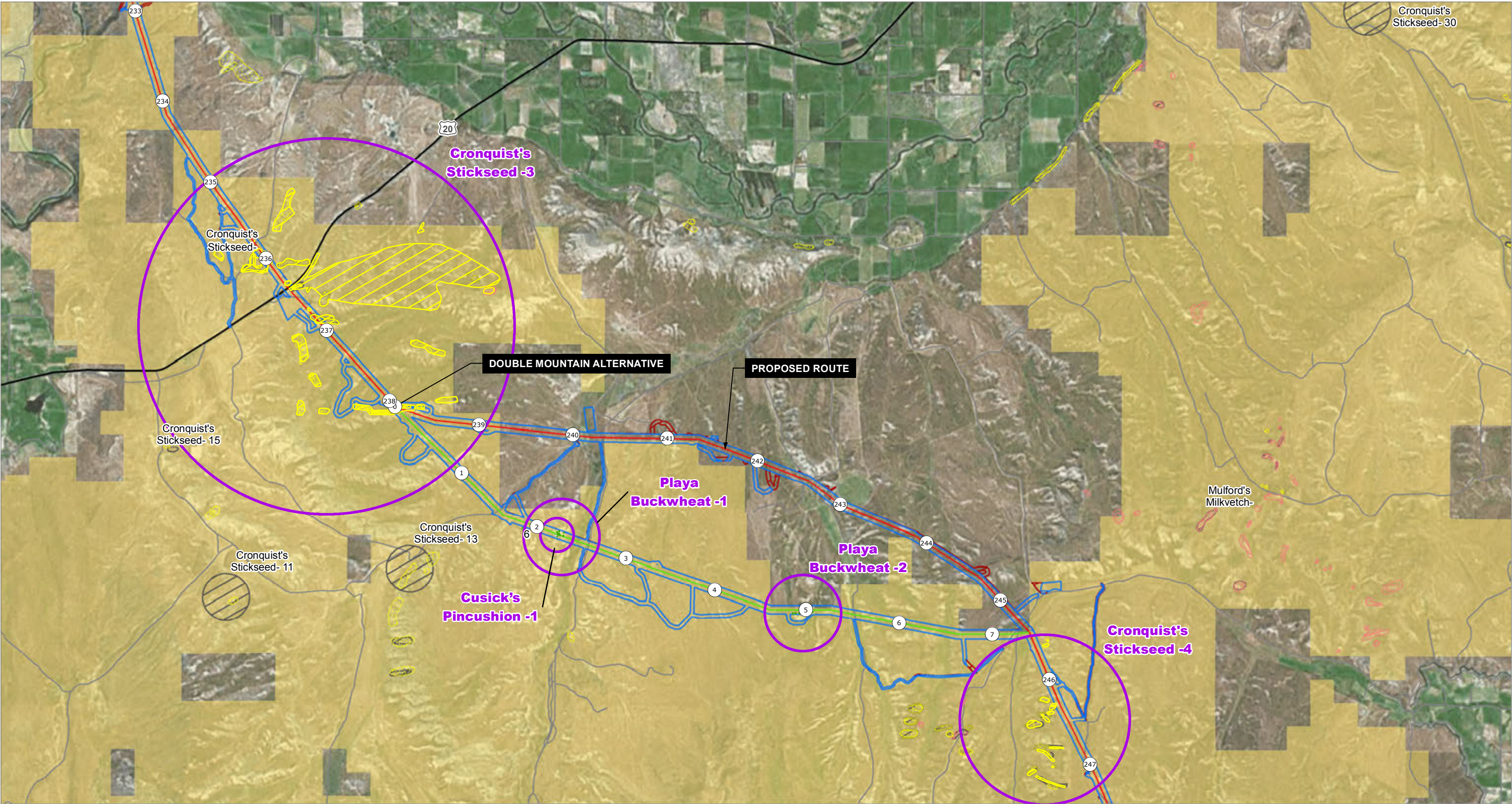
\*SSP- Special Status Plant

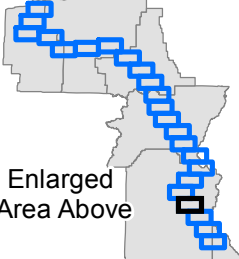



Boardman to Hemingway  
Transmission Line Project

**Special Status Plant  
Results**

Figure 19 of 23







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Alternative

**SSP\* Occurrences Overlapping the Survey Area**

- Cronquist's Stickseed
- Cusick's Pincushion
- Playa Buckwheat
- Occurrence: SSP Name and Number

**SSP\* Occurrence/Observation Outside Survey Area**

- Cronquist's Stickweed
- Mulford's Milkvetch
- Playa Buckwheat

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- Bureau of Reclamation
- Private

**Other Features**

- Other Roads
- US and State Highway

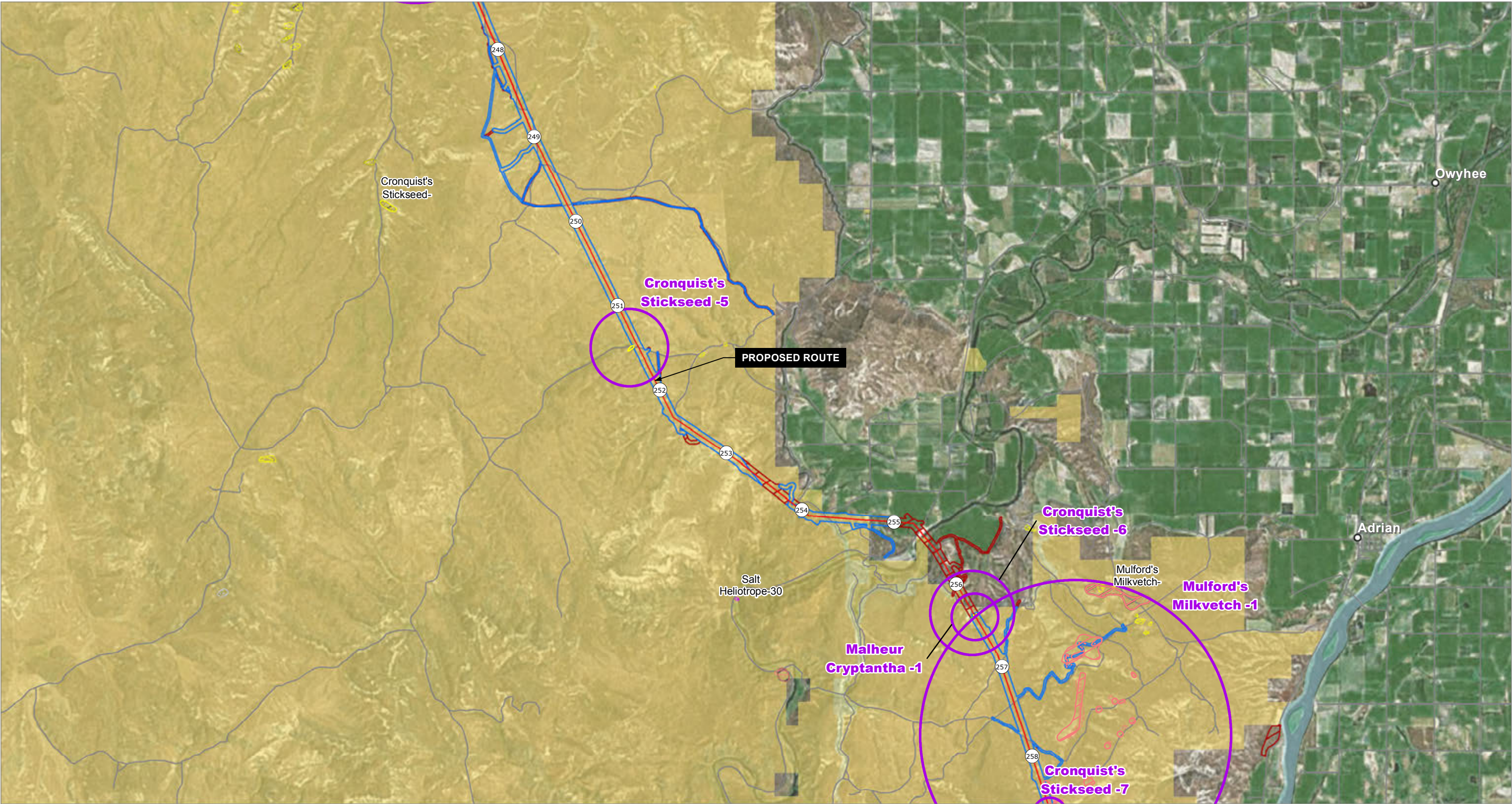
**Boardman to Hemingway Transmission Line Project**

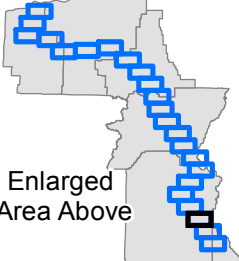


**Special Status Plant Results**

Figure 20 of 23

\*SSP- Special Status Plant







0 1 Miles

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**SSP\* Occurrences Overlapping the Survey Area**

- Cronquist's Stickseed
- Malheur Cryptantha
- Mulford's Milkvetch
- Occurrence: SSP Name and Number

**SSP\* Occurrence/Observation Outside Survey Area**

- Other SSP (Name- Occurrence #, if available)
- Cronquist's Stickweed
- Cusick's Pincushion
- Mulford's Milkvetch

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- Fish and Wildlife Service
- Bureau of Reclamation
- State
- Private

**Other Features**

- Other Roads
- Cities

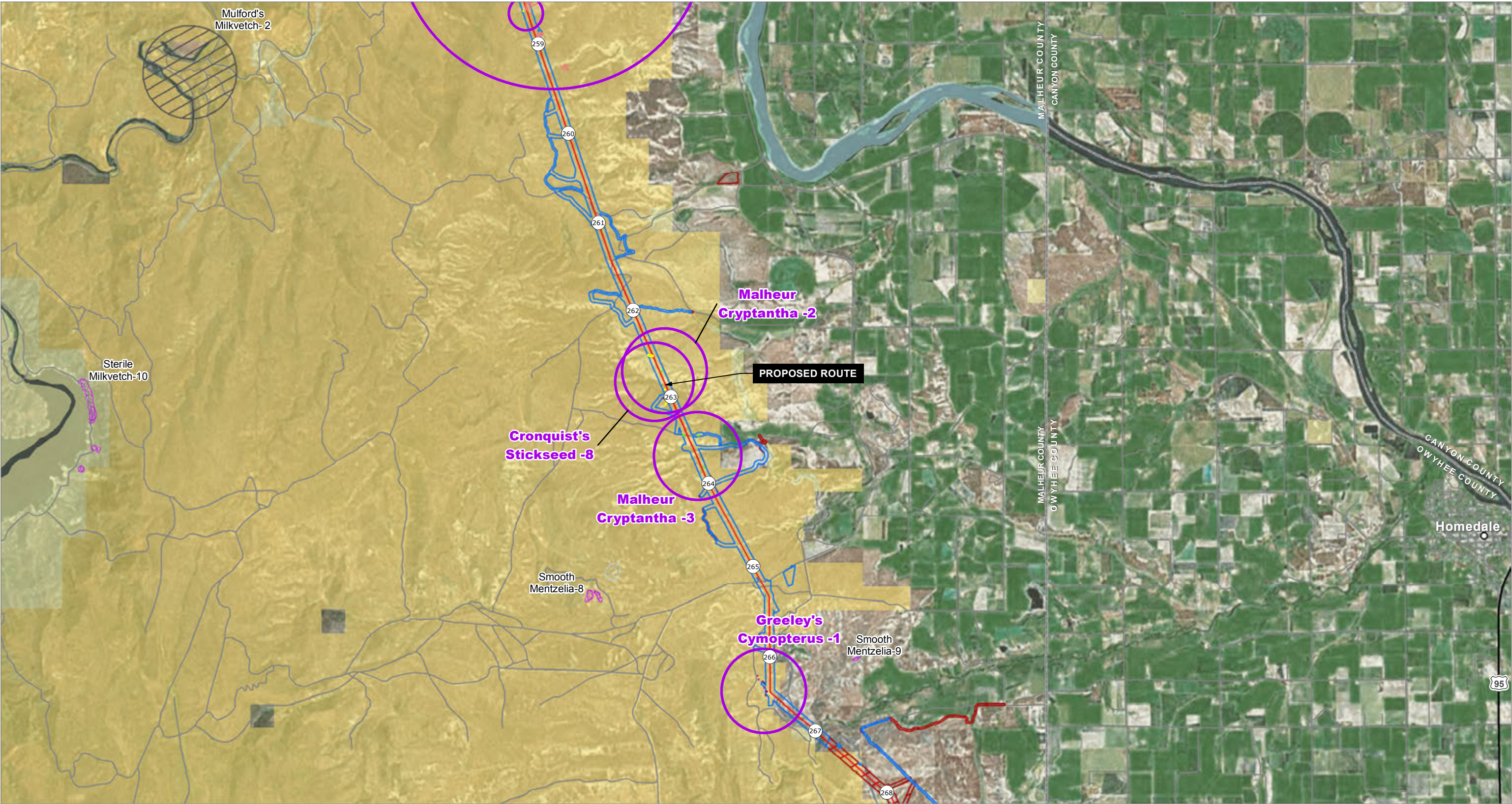
Boardman to Hemingway Transmission Line Project

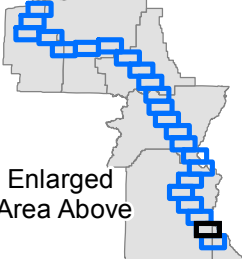



**Special Status Plant Results**

Figure 21 of 23

\*SSP- Special Status Plant







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route

**SSP\* Occurrences Overlapping the Survey Area**

- Cronquist's Stickseed
- Malheur Cryptantha
- Mulford's Milkvetch
- Greeley's Cymopterus
- Occurrence: SSP Name and Number

**SSP\* Occurrence/Observation Outside Survey Area**

- Other SSP (Name- Occurrence #, if available)
- Cusick's Pincushion
- Mulford's Milkvetch
- Cymopterus acaulis var. greeleyorum

**Historic SSP\***

- Name- Occurrence #

**Land Ownership**

- Bureau of Land Management
- Bureau of Reclamation
- Other Federal
- State
- Private

**Other Features**

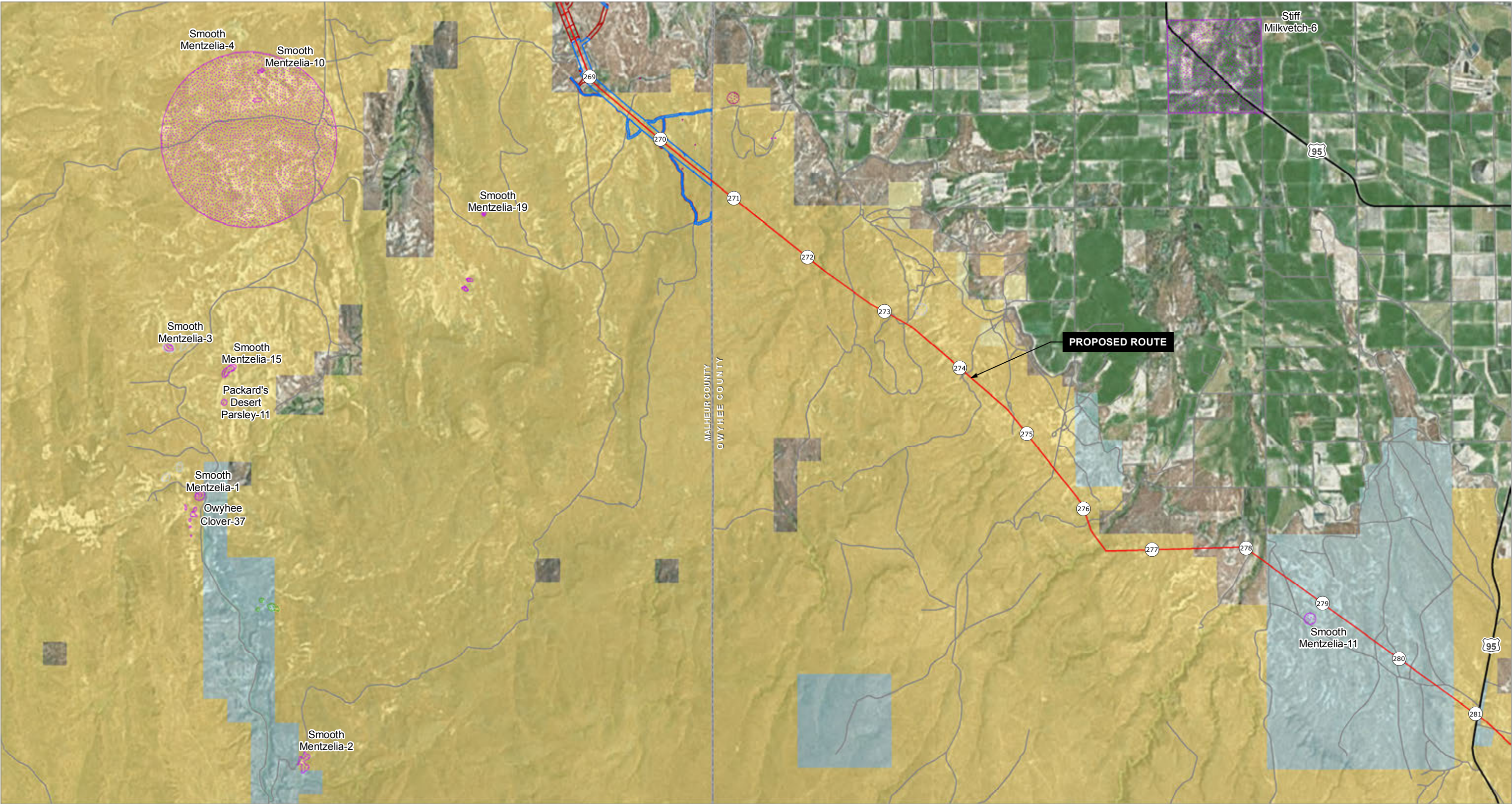
- Other Roads
- US and State Highway
- Cities

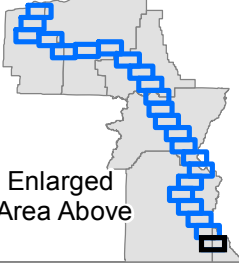



**Boardman to Hemingway Transmission Line Project**

**Special Status Plant Results**

Figure 22 of 23







Enlarged Area Above

Project Features	SSP* Occurrence/Observation Outside Survey Area	Land Ownership	Other Features
Surveyed	Other SSP (Name- Occurrence #, if available)	Bureau of Land Management	Other Roads
Not Surveyed	Cusick's Pincushion	Bureau of Reclamation	US and State Highway
Milepost	Playa Buckwheat	State	
Proposed Route	Cymopterus acaulis var. greeleyorum	Private	

\*SSP- Special Status Plant

Boardman to Hemingway Transmission Line Project

**Special Status Plant Results**

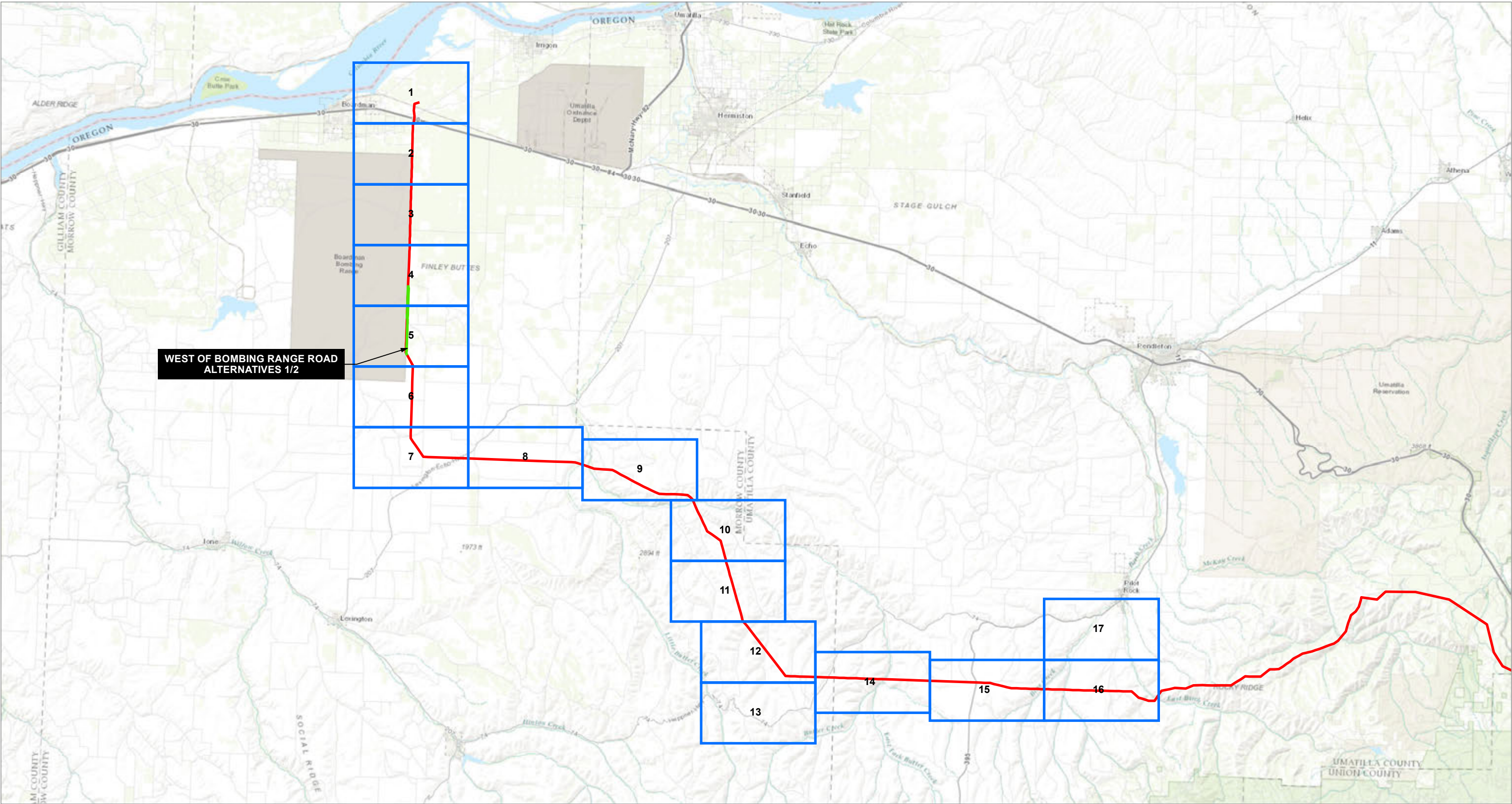
Figure 23 of 23



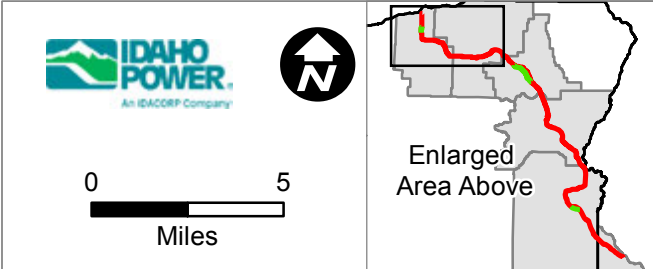
## **Appendix 4**

### **Washington Ground Squirrel Results Mapbook**





WEST OF BOMBING RANGE ROAD  
ALTERNATIVES 1/2



**Project Features**

- Proposed Route
- Alternative

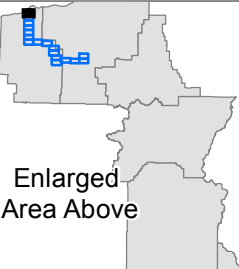



Index Map

Boardman to Hemingway  
Transmission Line Project









**Washington Ground Squirrel  
Overview Index**







Enlarged Area Above

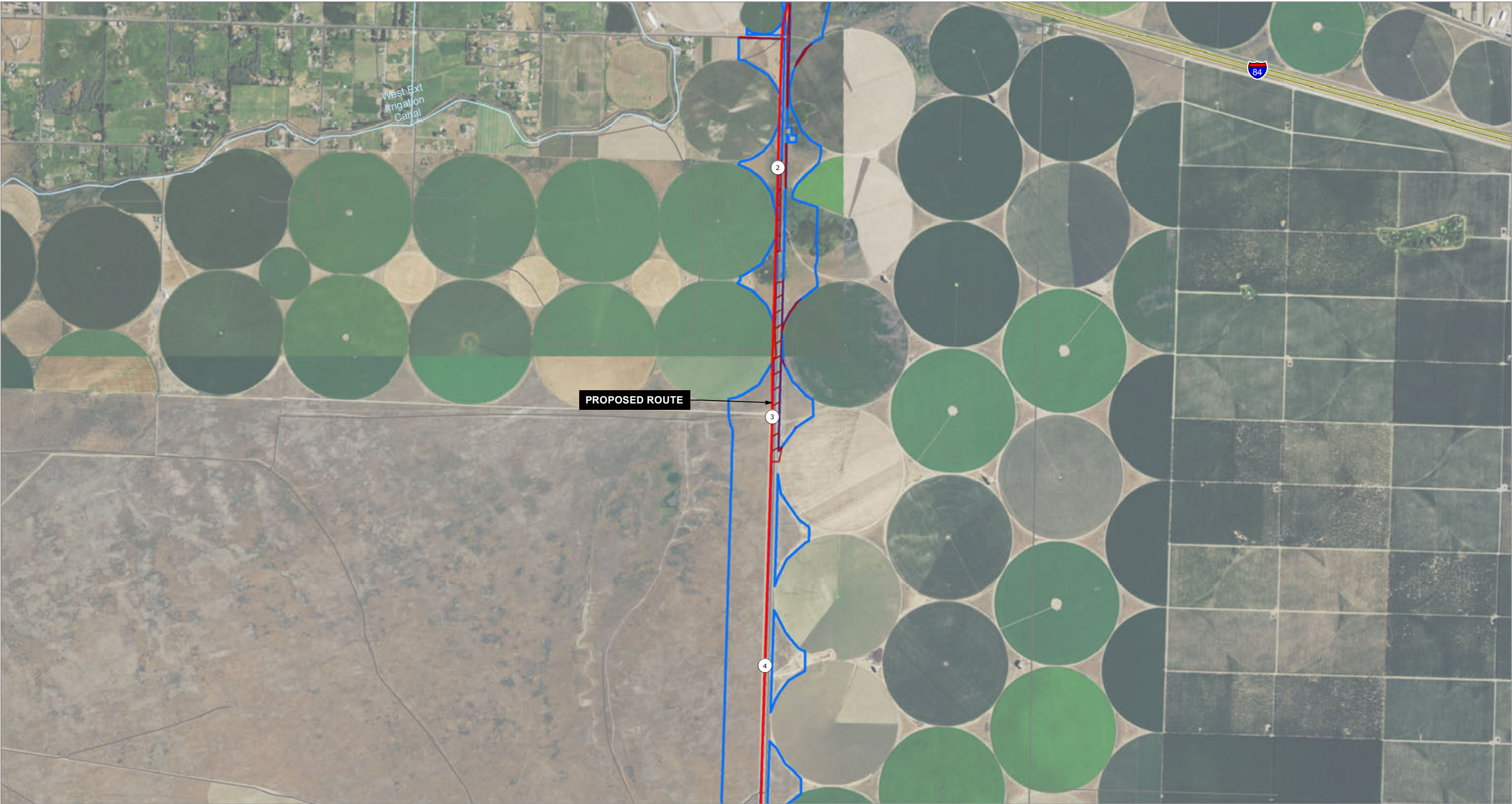
Project Features	Other Features
 Surveyed	 Road
 Not Surveyed	 Interstate Highway
 Milepost	 US and State Highway
 Proposed Route	 Rivers

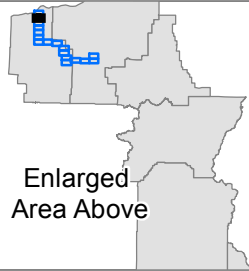



Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

Figure 1 of 17







Enlarged Area Above

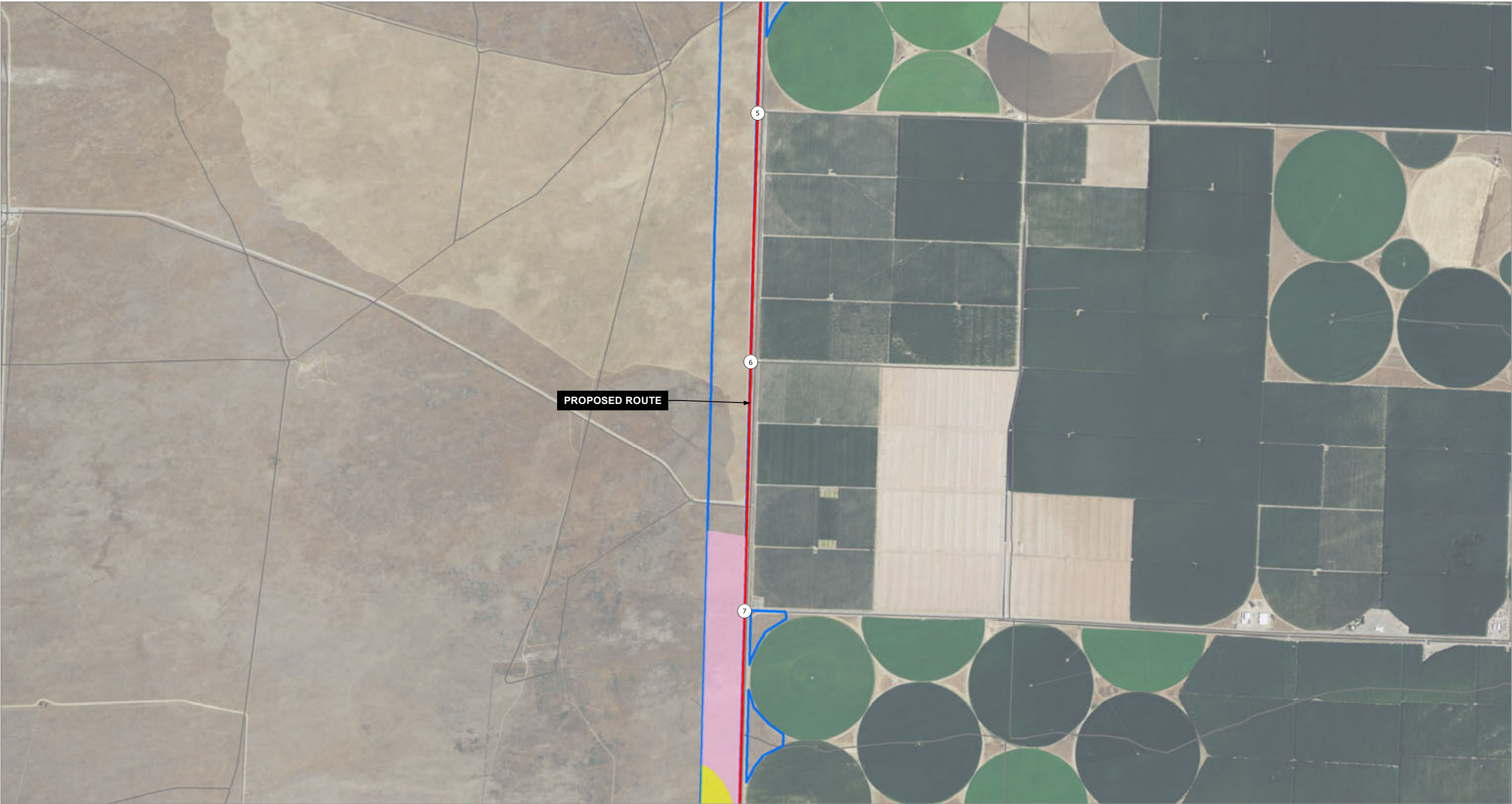
Project Features	Other Features
Surveyed	Road
Not Surveyed	Interstate Highway
Milepost	Rivers
Proposed Route	

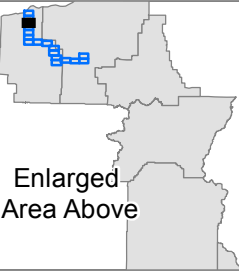



Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

Figure 2 of 17







Enlarged Area Above

**Project Features**

- Surveyed
- Milepost
- Proposed Route

**Washington Ground Squirrel Habitat**

- Category 1
- Category 2

**Other Features**

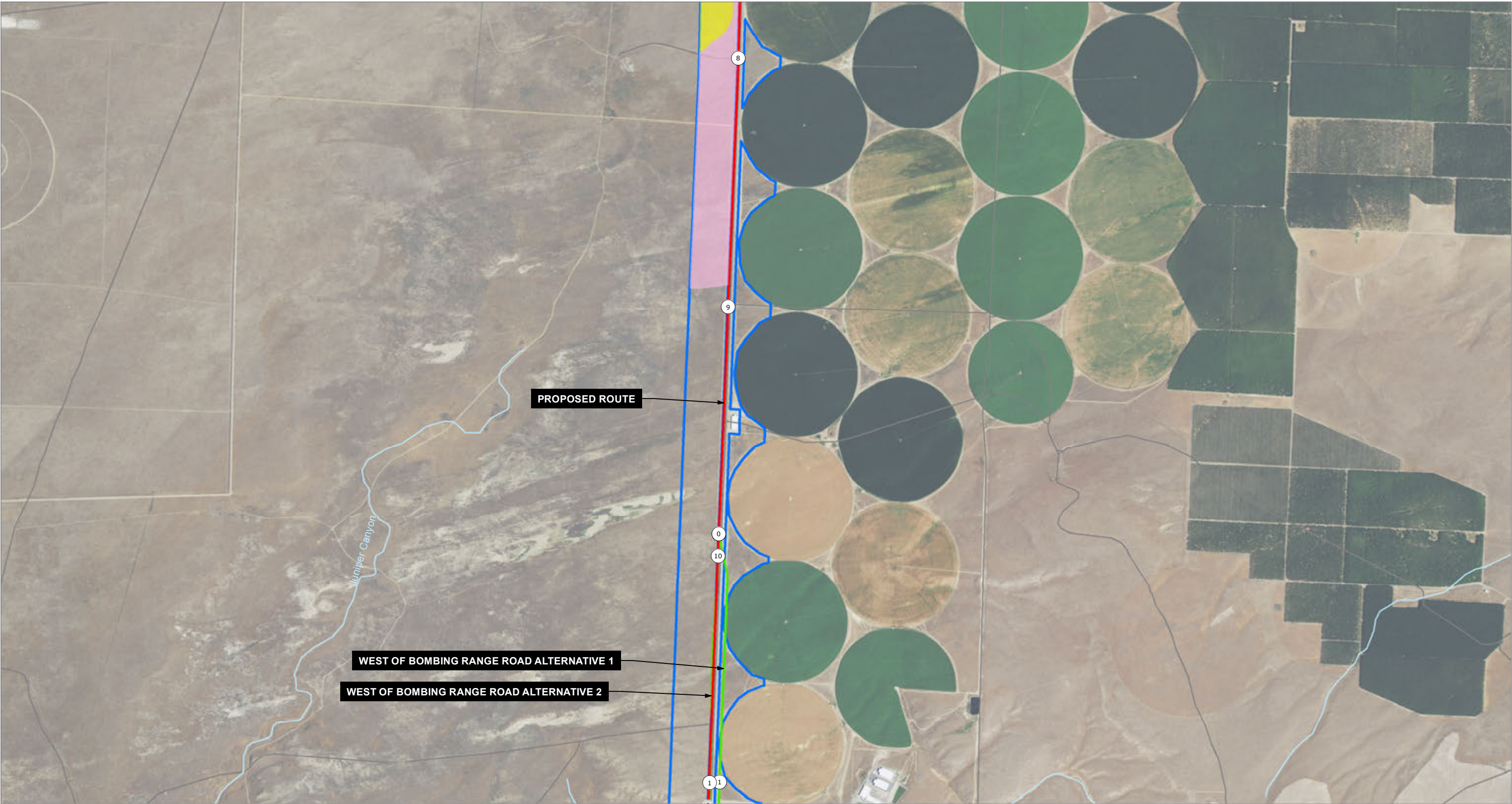
- Road

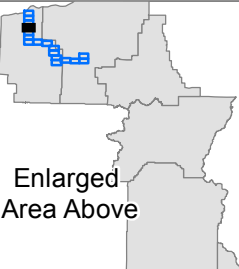



Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

Figure 3 of 17







**Project Features**

- Surveyed
- Milepost
- Proposed Route
- Alternative

**Washington Ground Squirrel Habitat**

- Category 1
- Category 2

**Other Features**

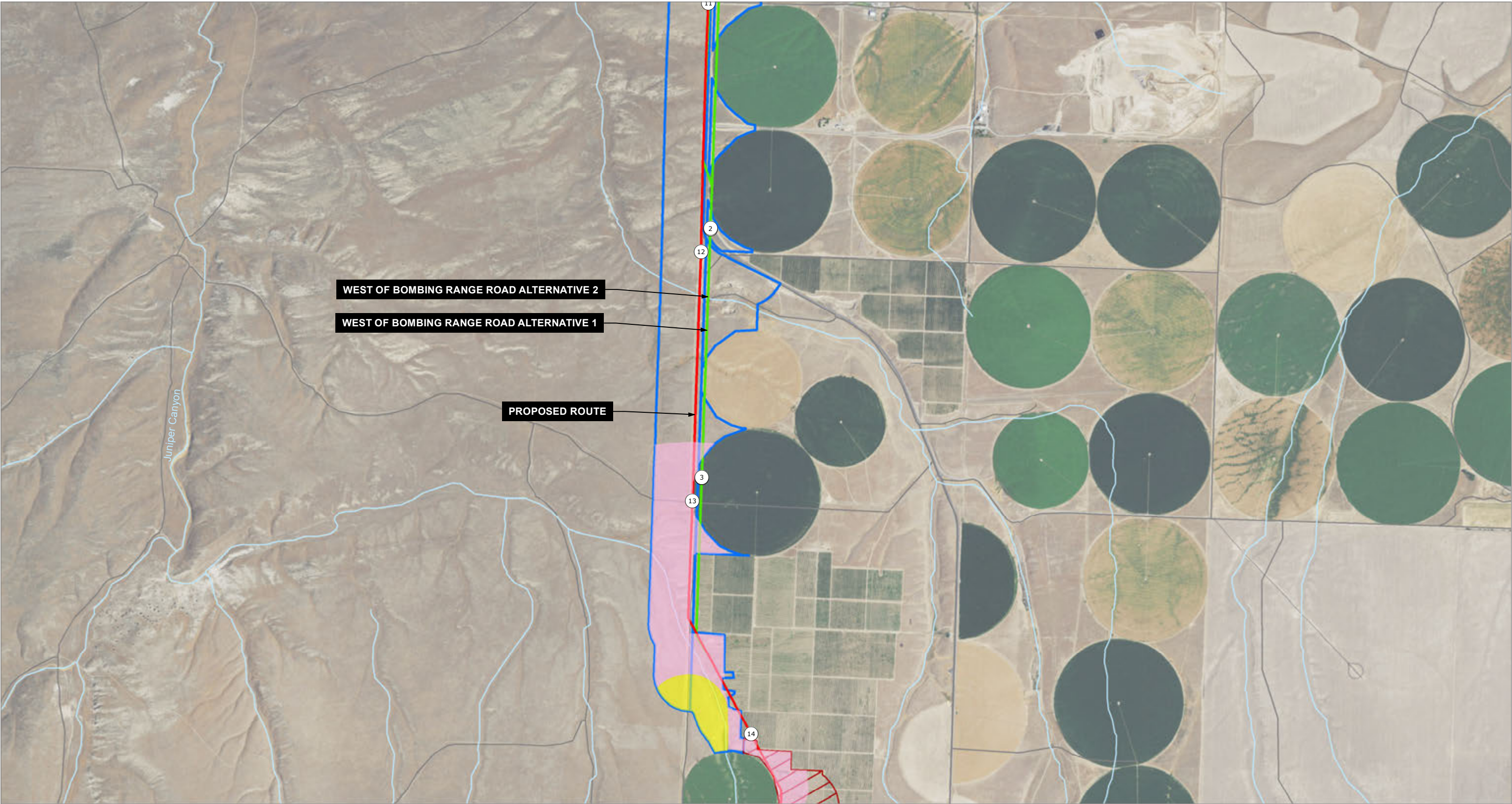
- Road
- Rivers

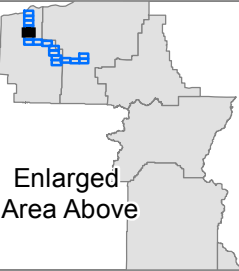



Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

Figure 4 of 17







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Alternative

**Washington Ground Squirrel Habitat**

- Category 1
- Category 2

**Other Features**

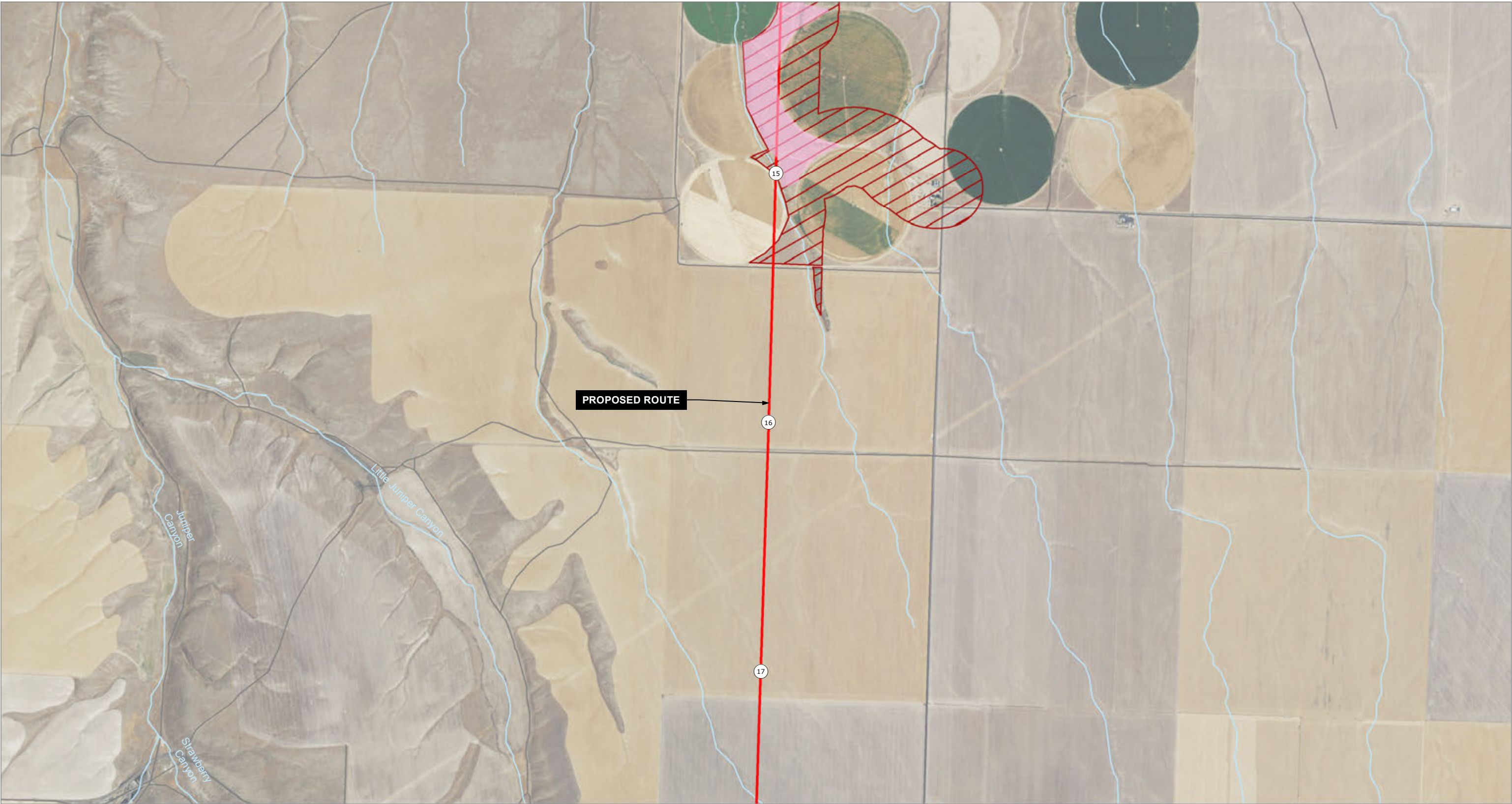
- Road
- Rivers




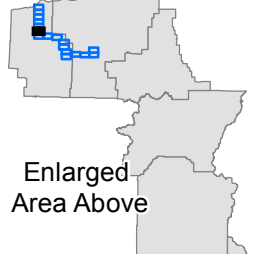


















Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

Figure 5 of 17

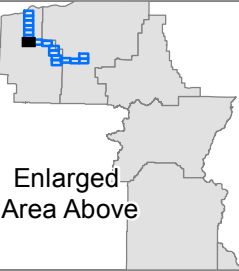







   Enlarged Area Above		<table border="0"><tr><td><b>Project Features</b></td><td><b>Washington Ground Squirrel Habitat</b></td><td><b>Other Features</b></td></tr><tr><td> Not Surveyed</td><td> Category 2</td><td> Road</td></tr><tr><td> Milepost</td><td></td><td> Rivers</td></tr><tr><td> Proposed Route</td><td></td><td></td></tr></table>	<b>Project Features</b>	<b>Washington Ground Squirrel Habitat</b>	<b>Other Features</b>	 Not Surveyed	 Category 2	 Road	 Milepost		 Rivers	 Proposed Route			<p>Boardman to Hemingway Transmission Line Project</p> <p><b>Washington Ground Squirrel Results</b></p> <p>Figure 6 of 17</p>
<b>Project Features</b>	<b>Washington Ground Squirrel Habitat</b>	<b>Other Features</b>													
 Not Surveyed	 Category 2	 Road													
 Milepost		 Rivers													
 Proposed Route															







Enlarged Area Above

**Project Features**

- Not Surveyed
- Milepost
- Proposed Route

**Other Features**

- Road
- Rivers

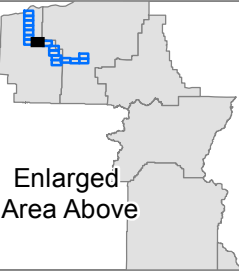



Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

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Enlarged Area Above

**Project Features**

-  Not Surveyed
-  Milepost
-  Proposed Route

**Other Features**

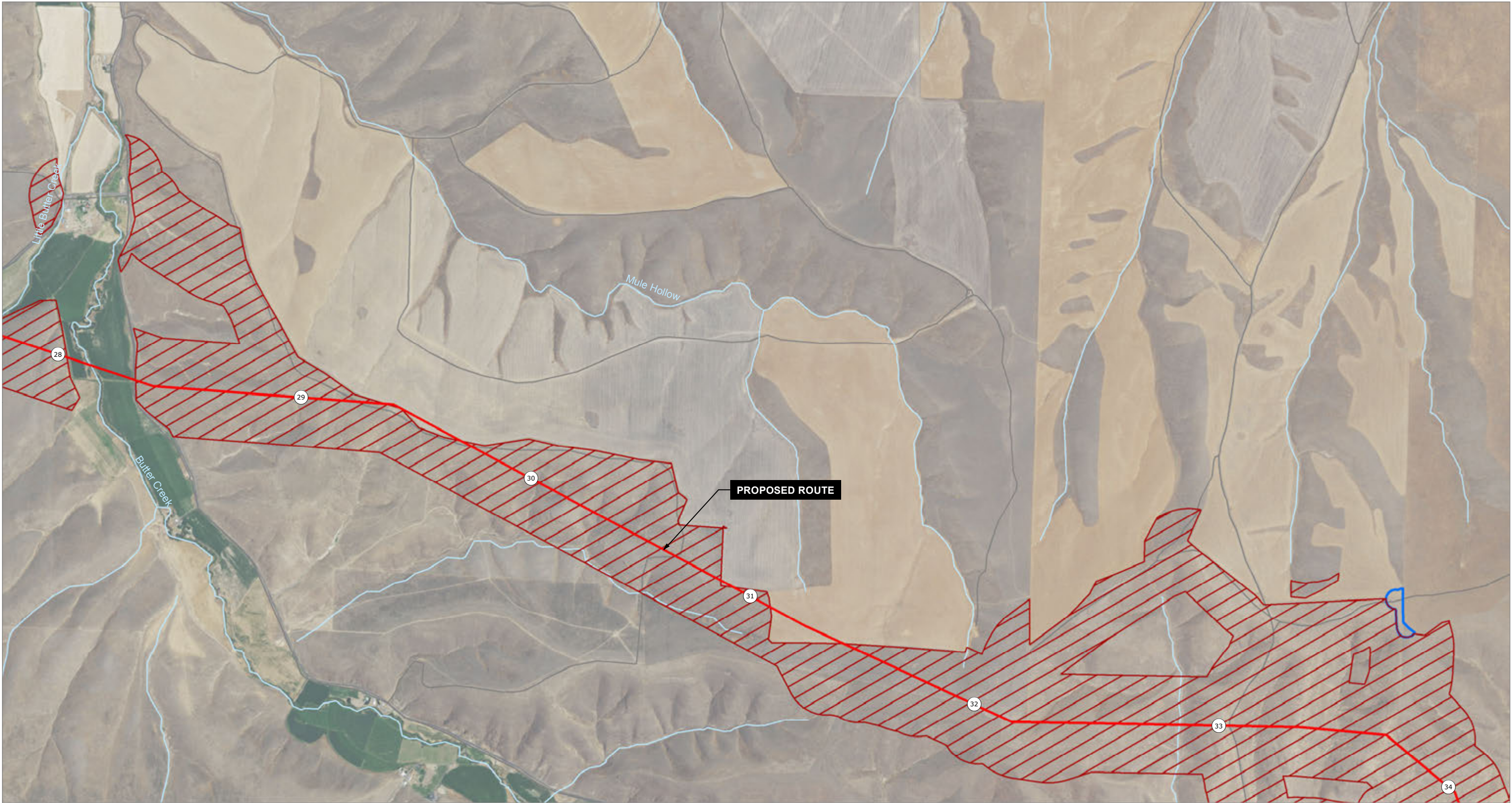
-  Road
-  Rivers

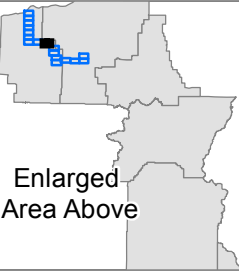



Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

Figure 8 of 17







Enlarged Area Above

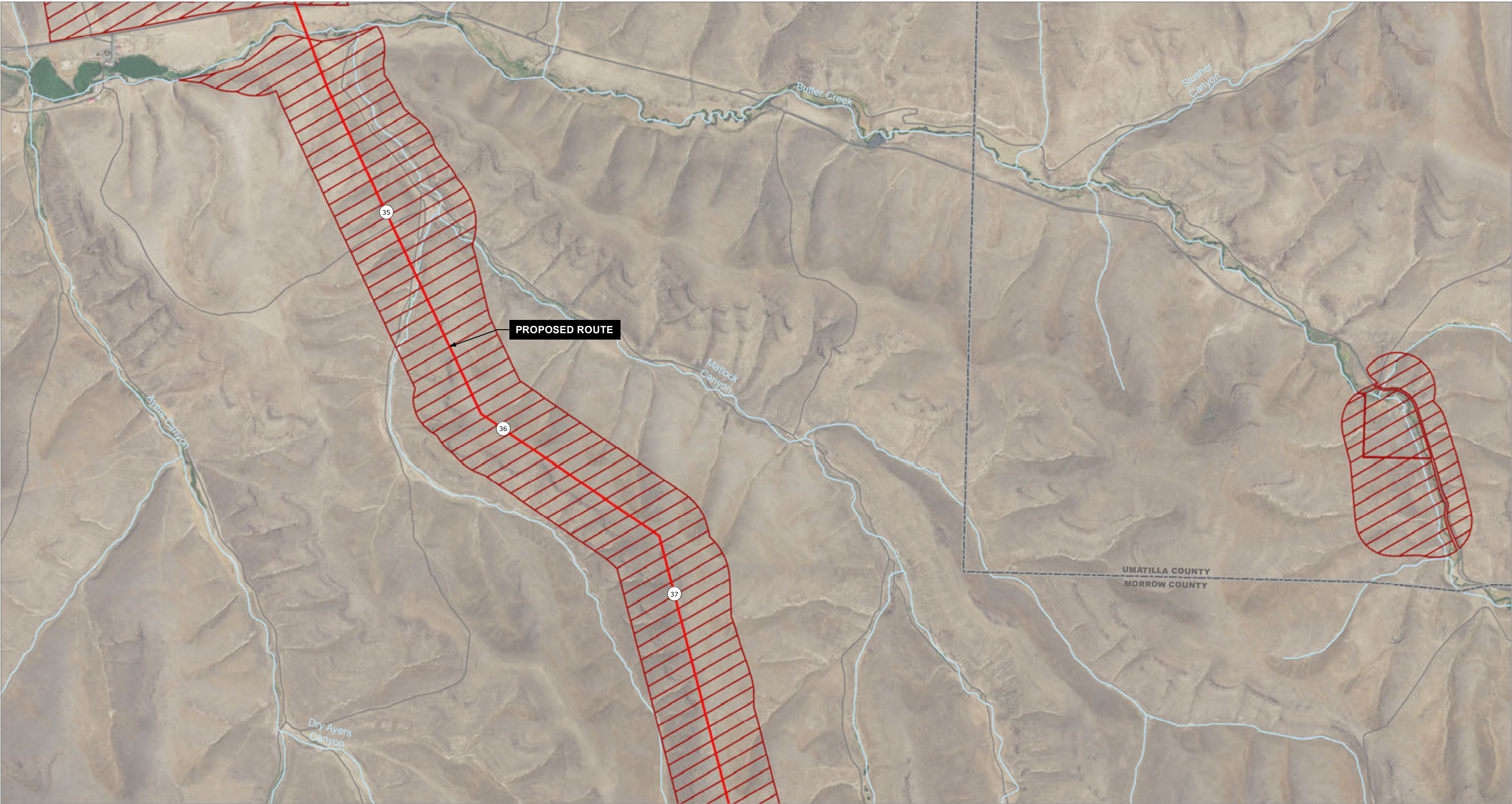
Project Features	Other Features
Surveyed	Road
Not Surveyed	Rivers
Milepost	
Proposed Route	

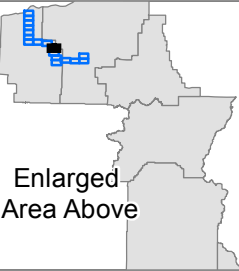



Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

Figure 9 of 17







Enlarged Area Above

**Project Features**

- Not Surveyed
- Milepost
- Proposed Route

**Other Features**

- Road
- Rivers

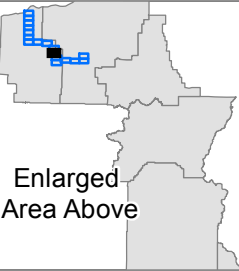



Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

Figure 10 of 17







Enlarged Area Above

**Project Features**

- Not Surveyed
- Milepost
- Proposed Route

**Other Features**

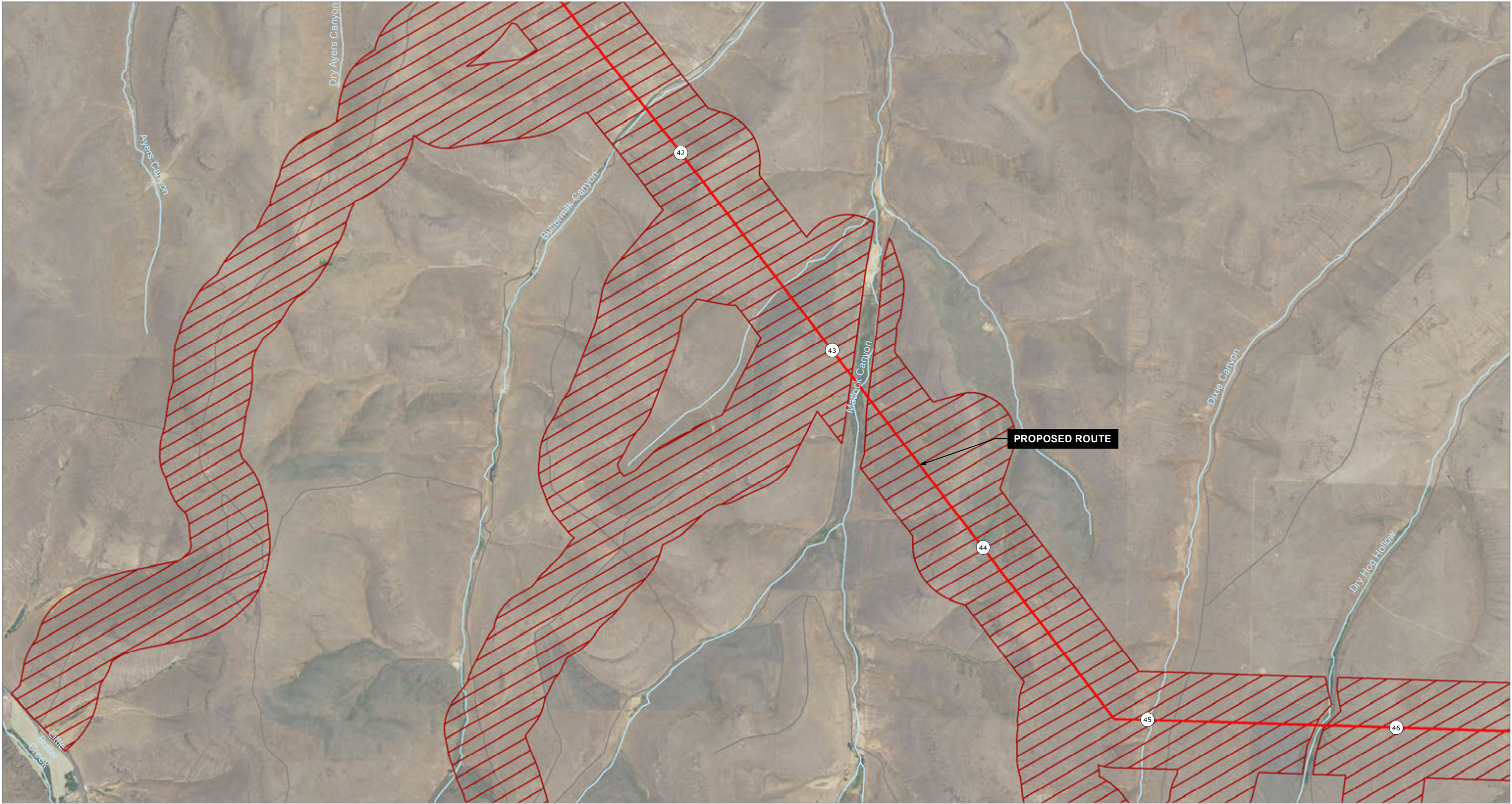
- Road
- Rivers

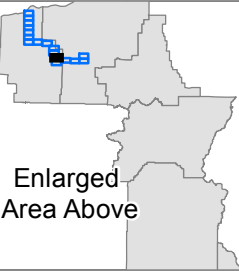



Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

Figure 11 of 17







Enlarged Area Above

**Project Features**

- Not Surveyed
- Milepost
- Proposed Route

**Other Features**

- Road
- Rivers

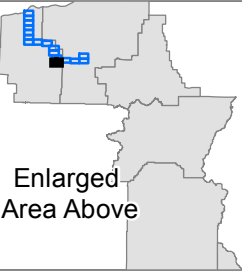



Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

Figure 12 of 17










Enlarged Area Above

**Project Features**

 Not Surveyed

**Other Features**

 Road

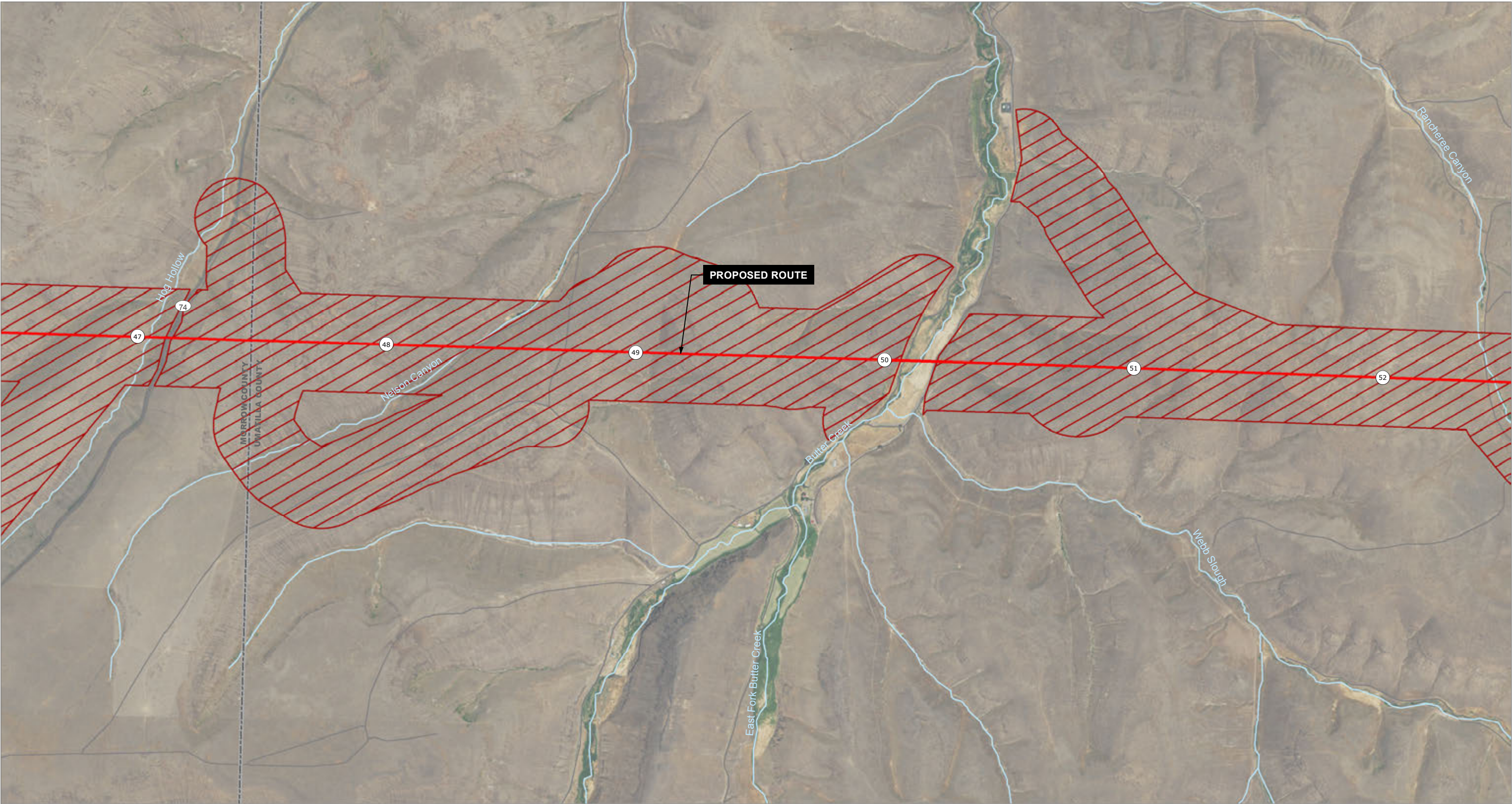
 Rivers

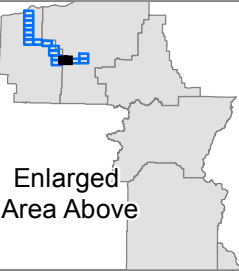



Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

Figure 13 of 17







Enlarged Area Above

**Project Features**

- Not Surveyed
- Milepost
- Proposed Route

**Other Features**

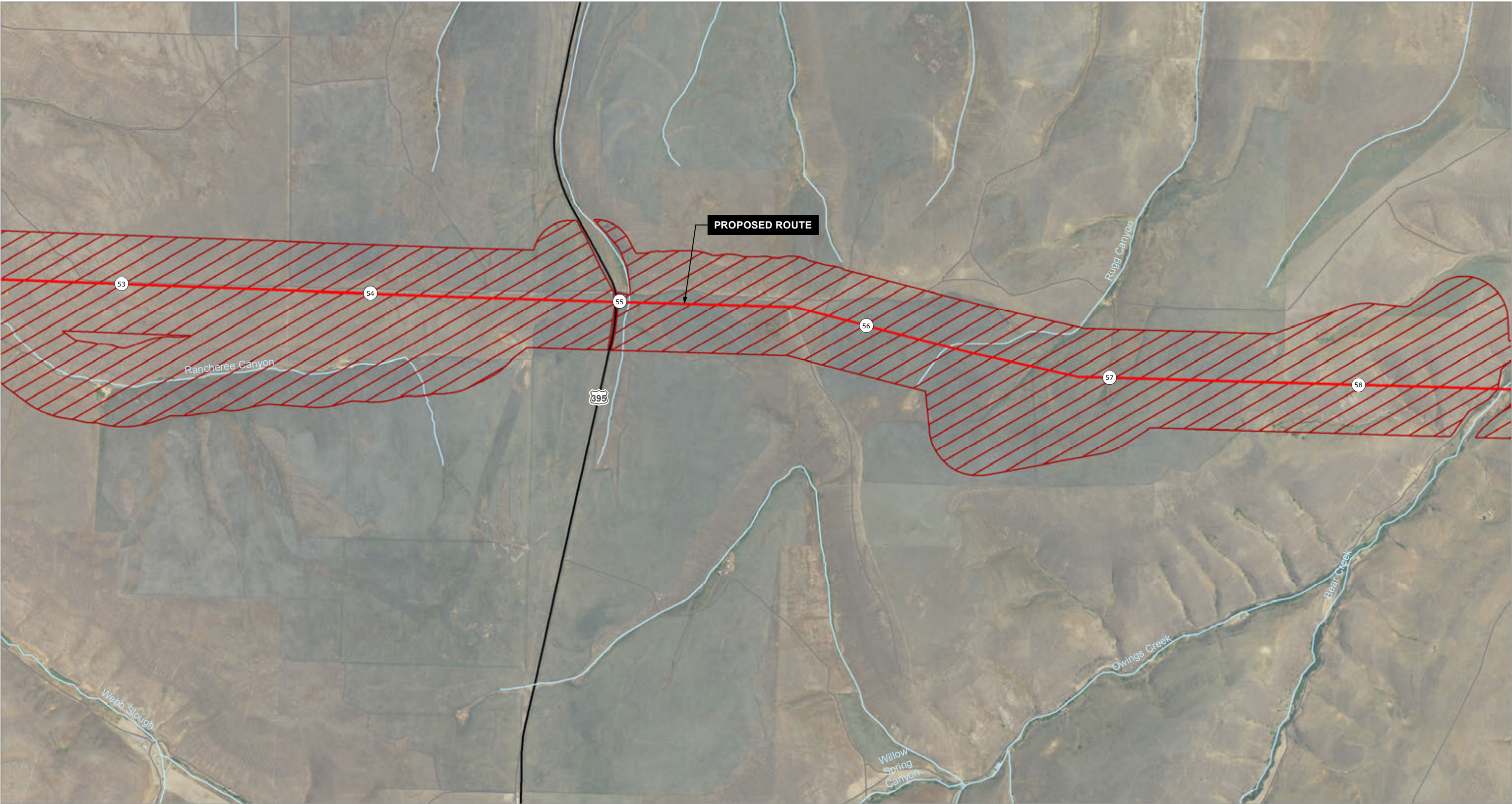
- Road
- Rivers

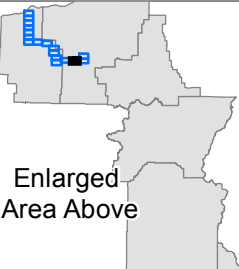



Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

Figure 14 of 17







Enlarged Area Above

**Project Features**

- Not Surveyed
- Milepost
- Proposed Route

**Other Features**

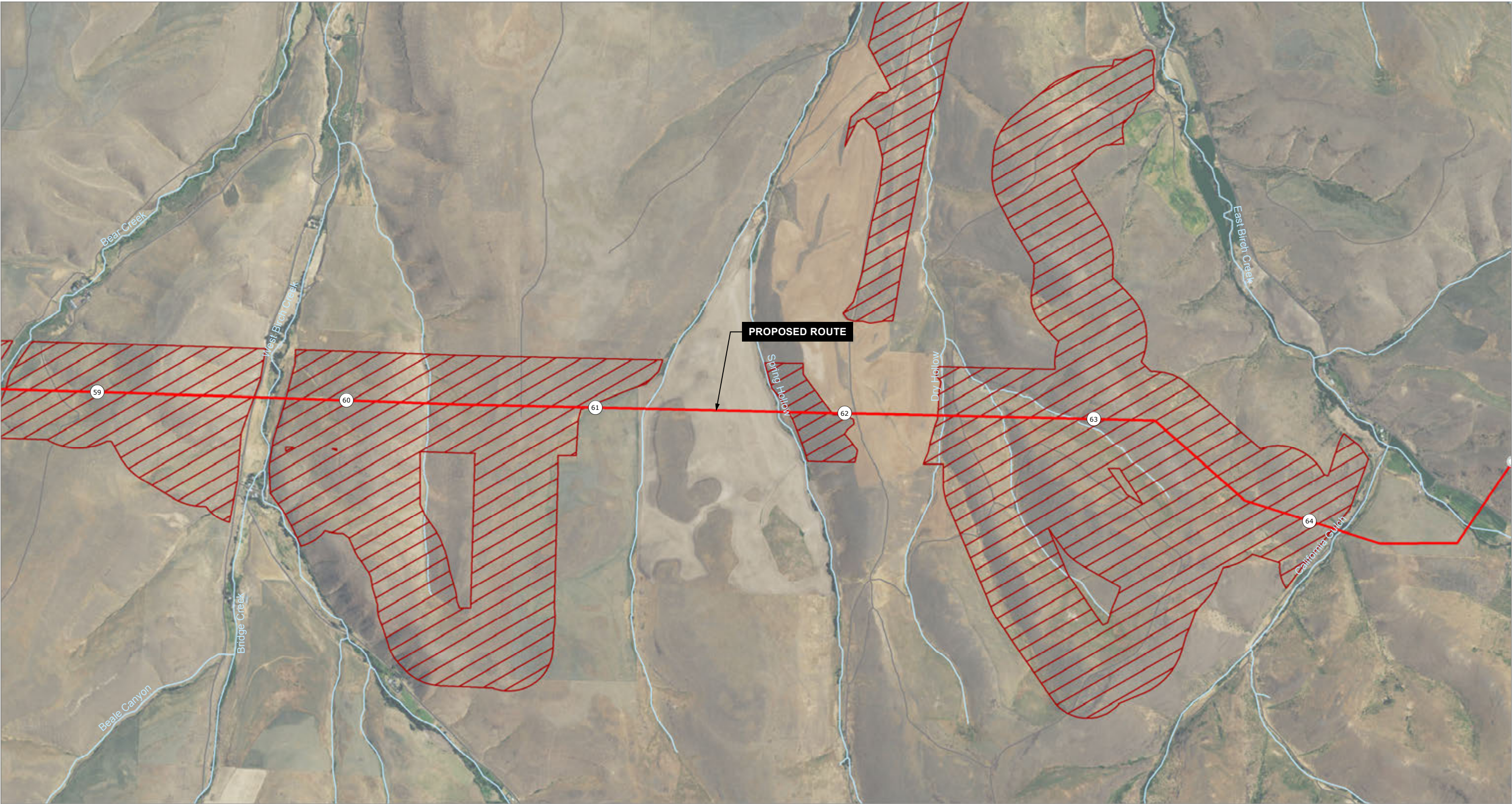
- Road
- US and State Highway
- Rivers

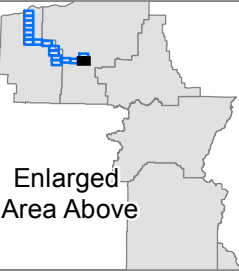



Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

Figure 15 of 17







Enlarged Area Above

Project Features	Other Features
Not Surveyed	Road
Milepost	Rivers
Proposed Route	

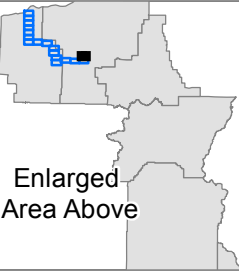



Boardman to Hemingway  
Transmission Line Project

**Washington Ground Squirrel  
Results**

Figure 16 of 17







Enlarged Area Above

**Project Features**

- Not Surveyed

**Other Features**

- Road
- US and State Highway
- Rivers

Boardman to Hemingway  
Transmission Line Project

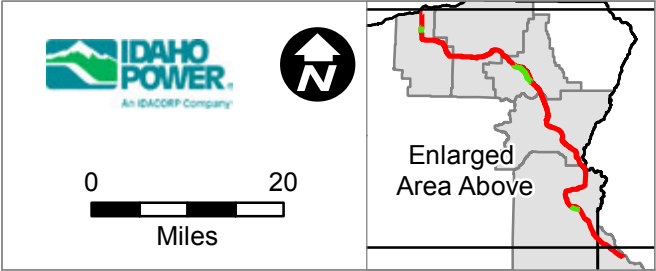
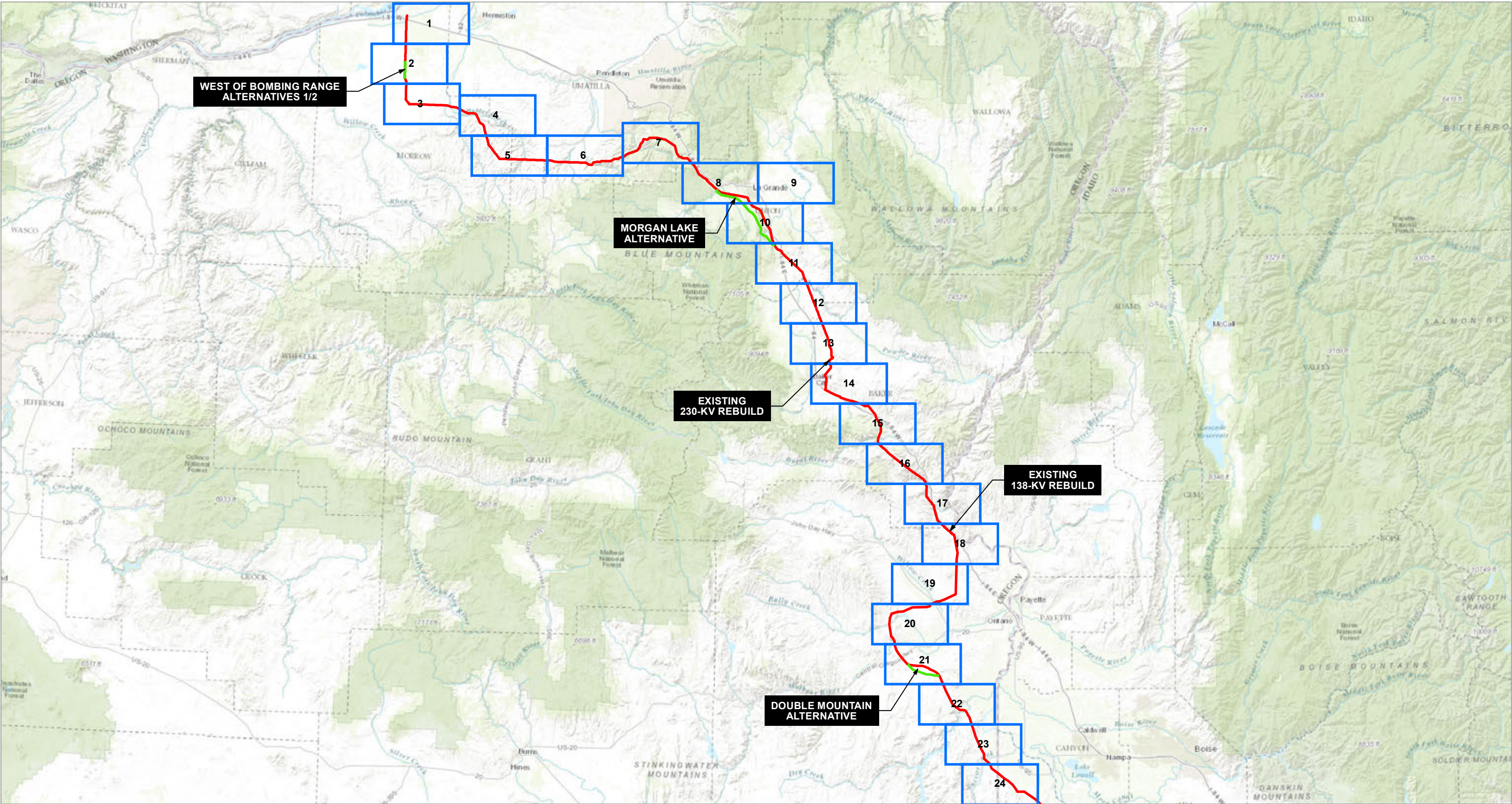
**Washington Ground Squirrel  
Results**

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**Appendix 5**  
**Raptor Nest Results Mapbook**





**Project Features**

- Proposed Route
- Alternative

Index Map

Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Overview Index**







Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route
-  Site Boundary

**Active Raptor Nest**

-  Red-tailed Hawk

**Seasonal Constraint**

-  March 15 to June 30

**Other Features**

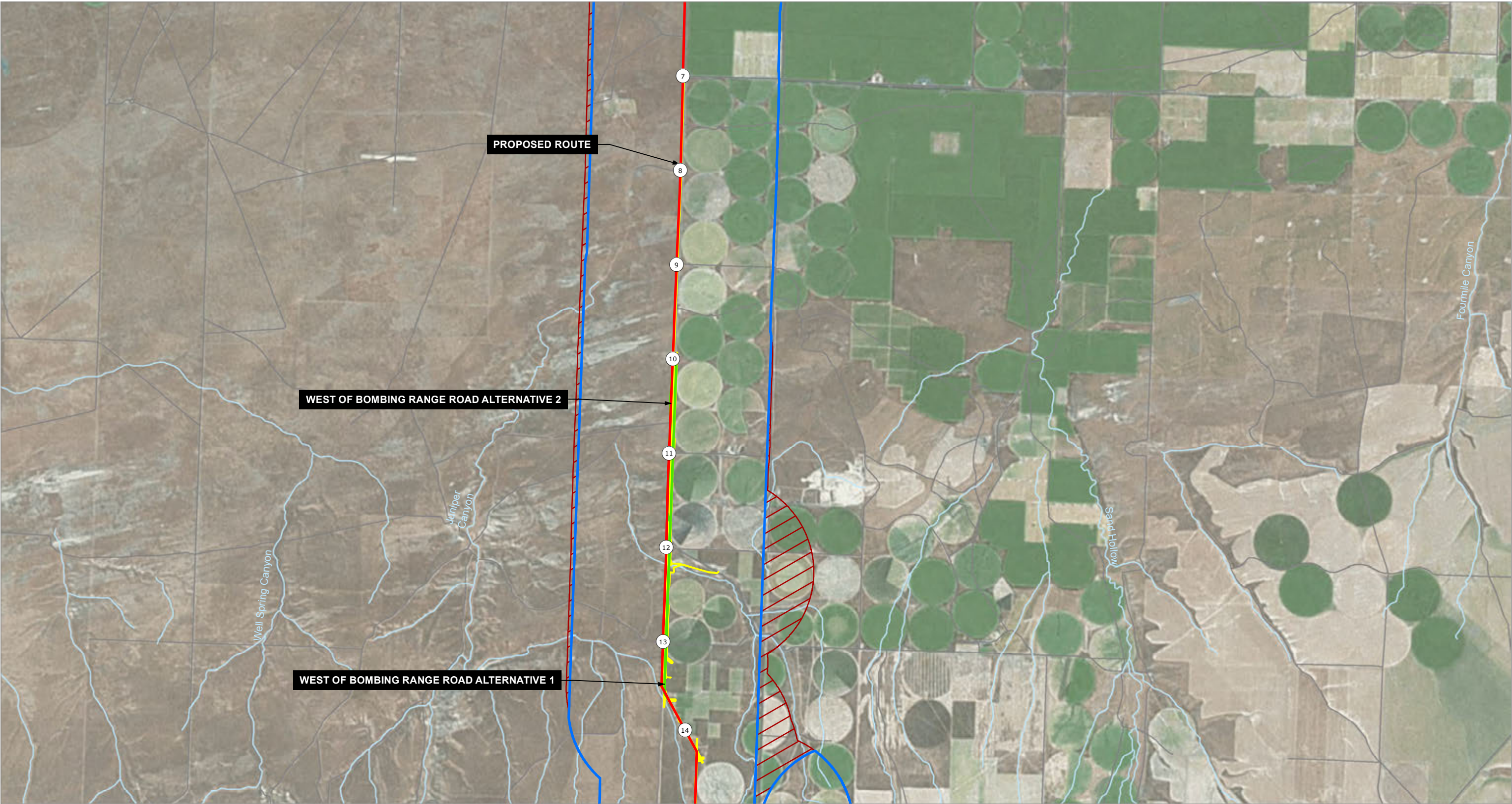
-  Road
-  Interstate Highway
-  US and State Highway
-  Rivers

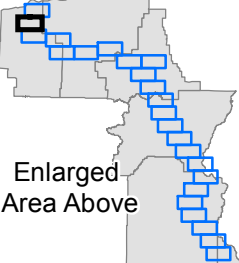



Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 1 of 24







Enlarged Area Above

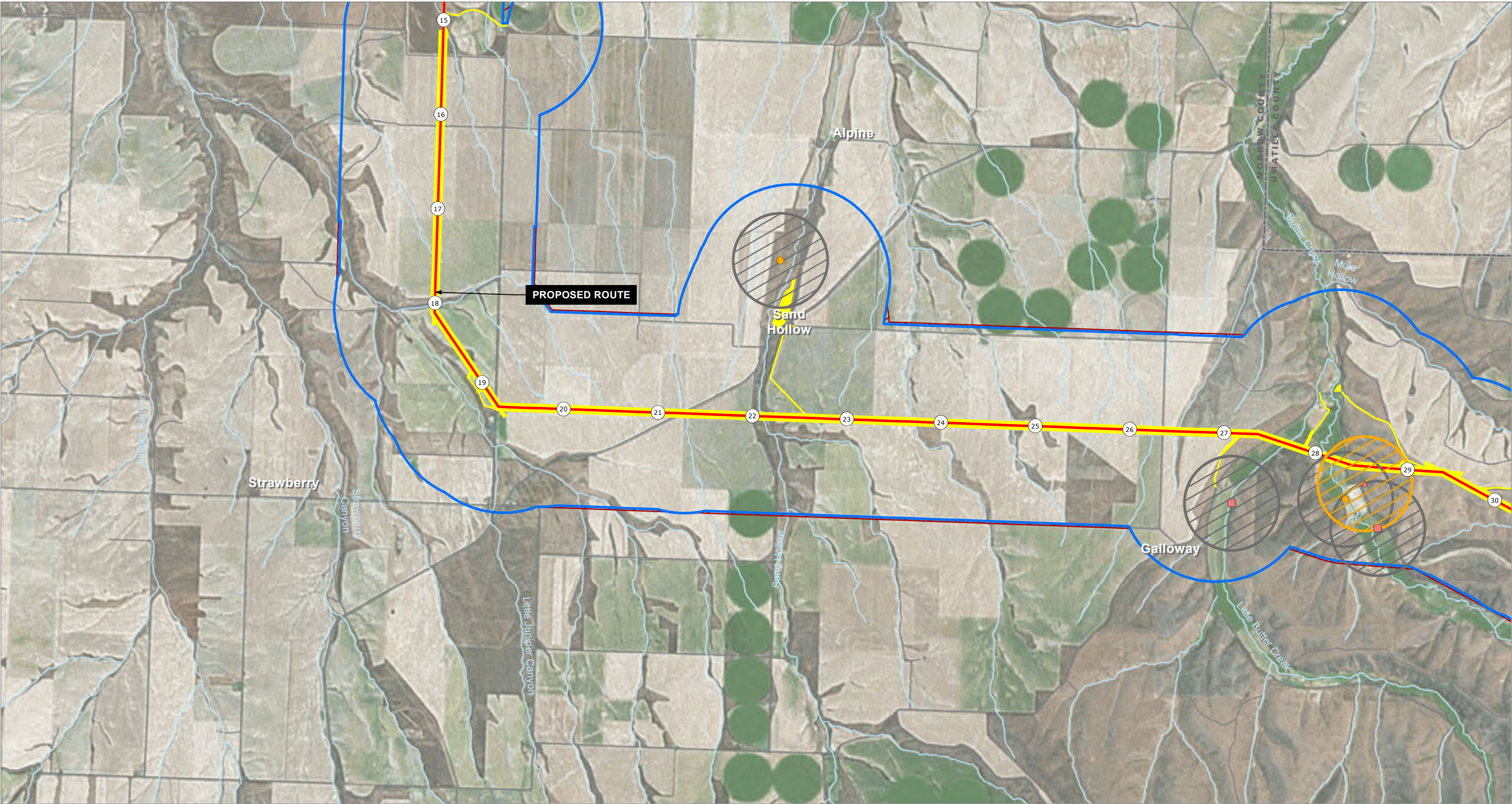
Project Features	Other Features
Surveyed	Road
Not Surveyed	Rivers
Milepost	
Proposed Route	
Alternative	
Site Boundary	

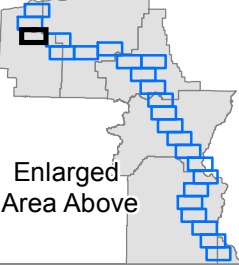



Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 2 of 24







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Site Boundary

**Active Raptor Nest**

- Ferruginous Hawk
- Red-tailed Hawk
- Swainson's Hawk

**Seasonal Constraint**

- March 15 to July 15
- March 15 to June 30

**Other Features**

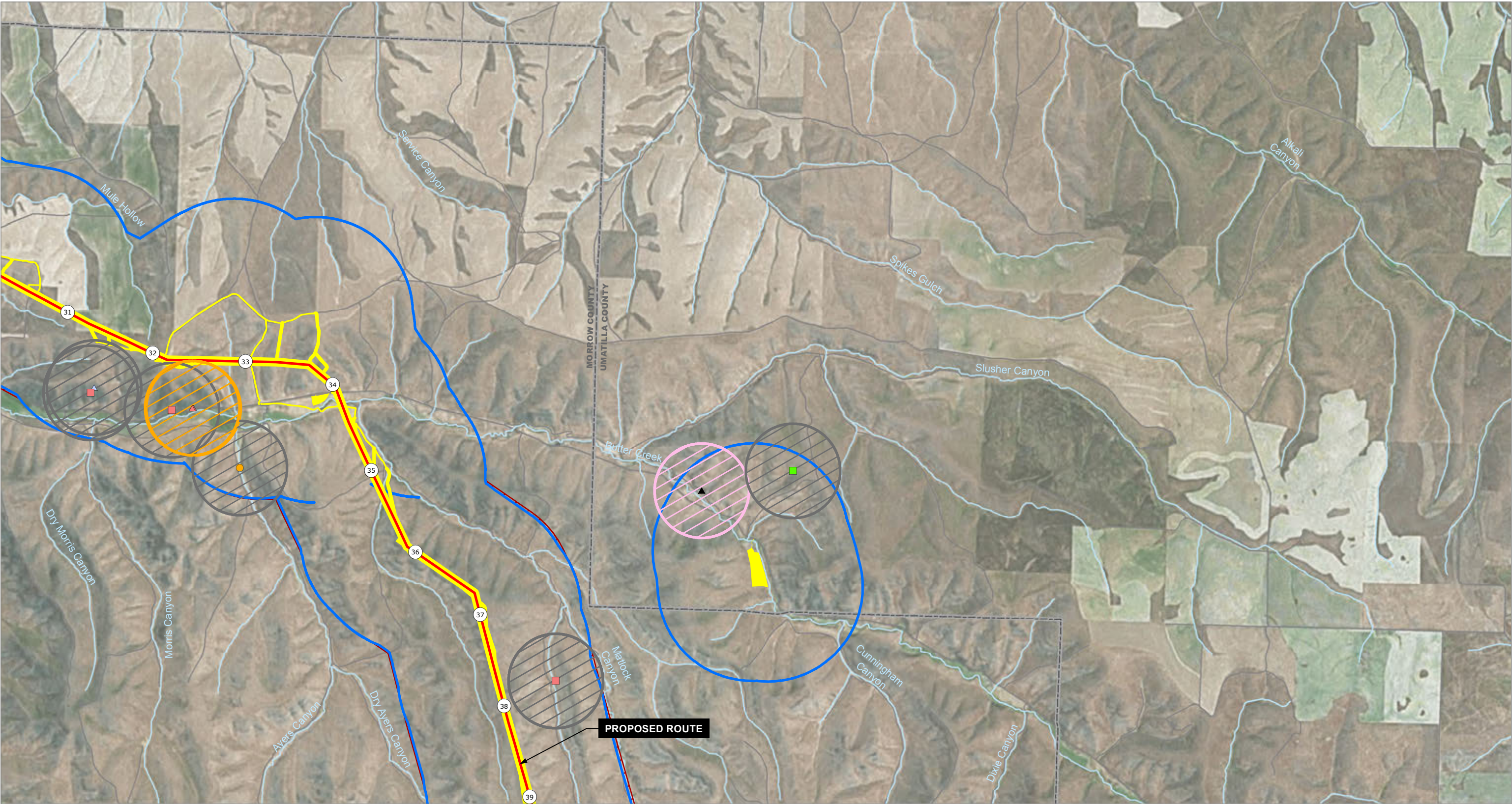
- Road
- Rivers

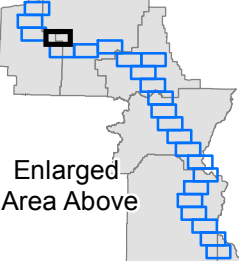
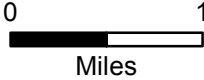


Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 3 of 24







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Site Boundary

**Active Raptor Nest**

- Barn Owl
- Ferruginous Hawk
- Golden Eagle
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk

**Seasonal Constraint**

- February 1 to June 30
- March 15 to July 15
- March 15 to June 30

**Other Features**

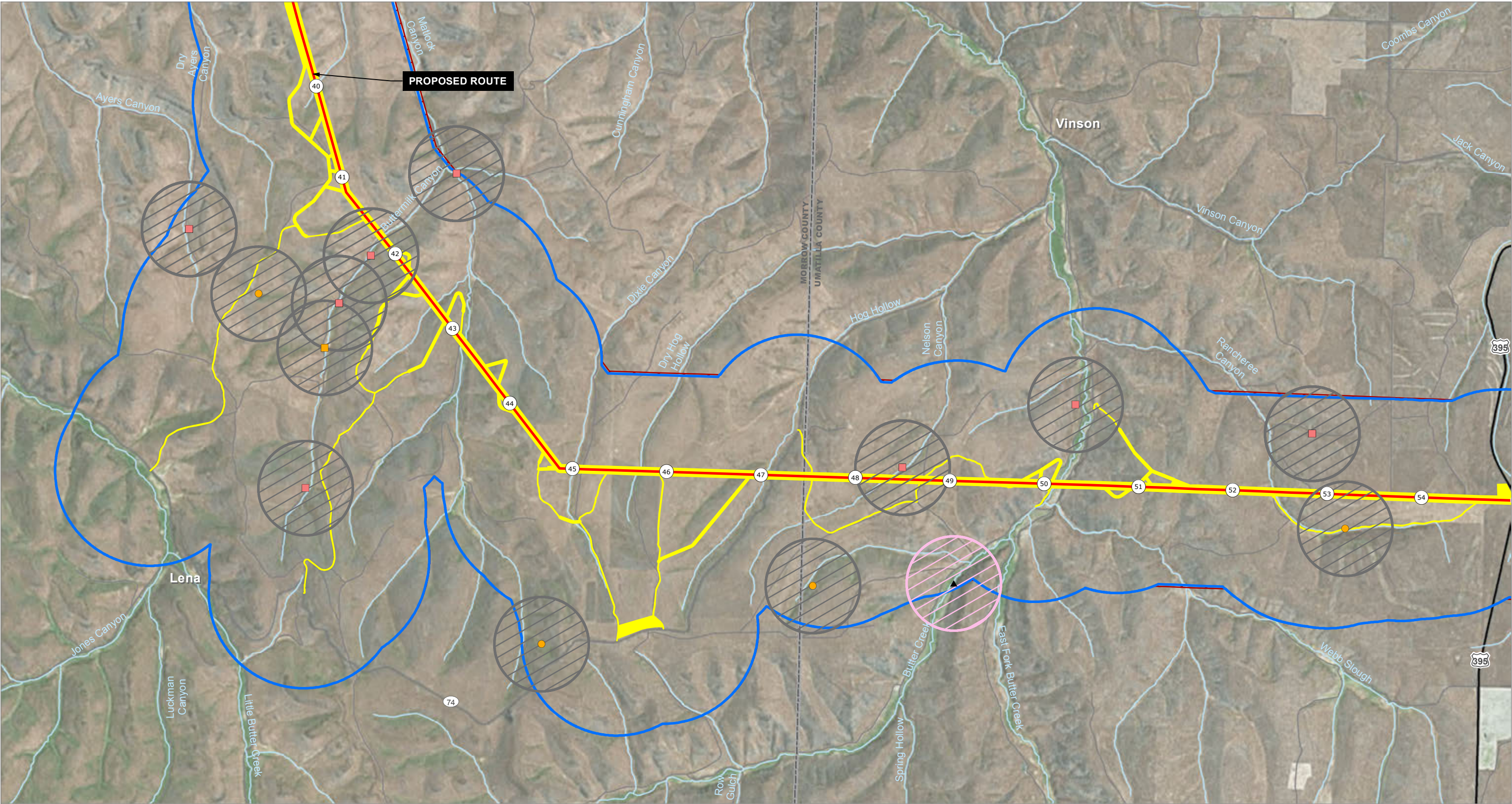
- Road
- Rivers

Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 4 of 24







**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route
-  Site Boundary

**Active Raptor Nest**

-  Golden Eagle
-  Great Horned Owl
-  Red-tailed Hawk
-  Swainson's Hawk

**Seasonal Constraint**

-  February 1 to June 30
-  March 15 to June 30

**Other Features**

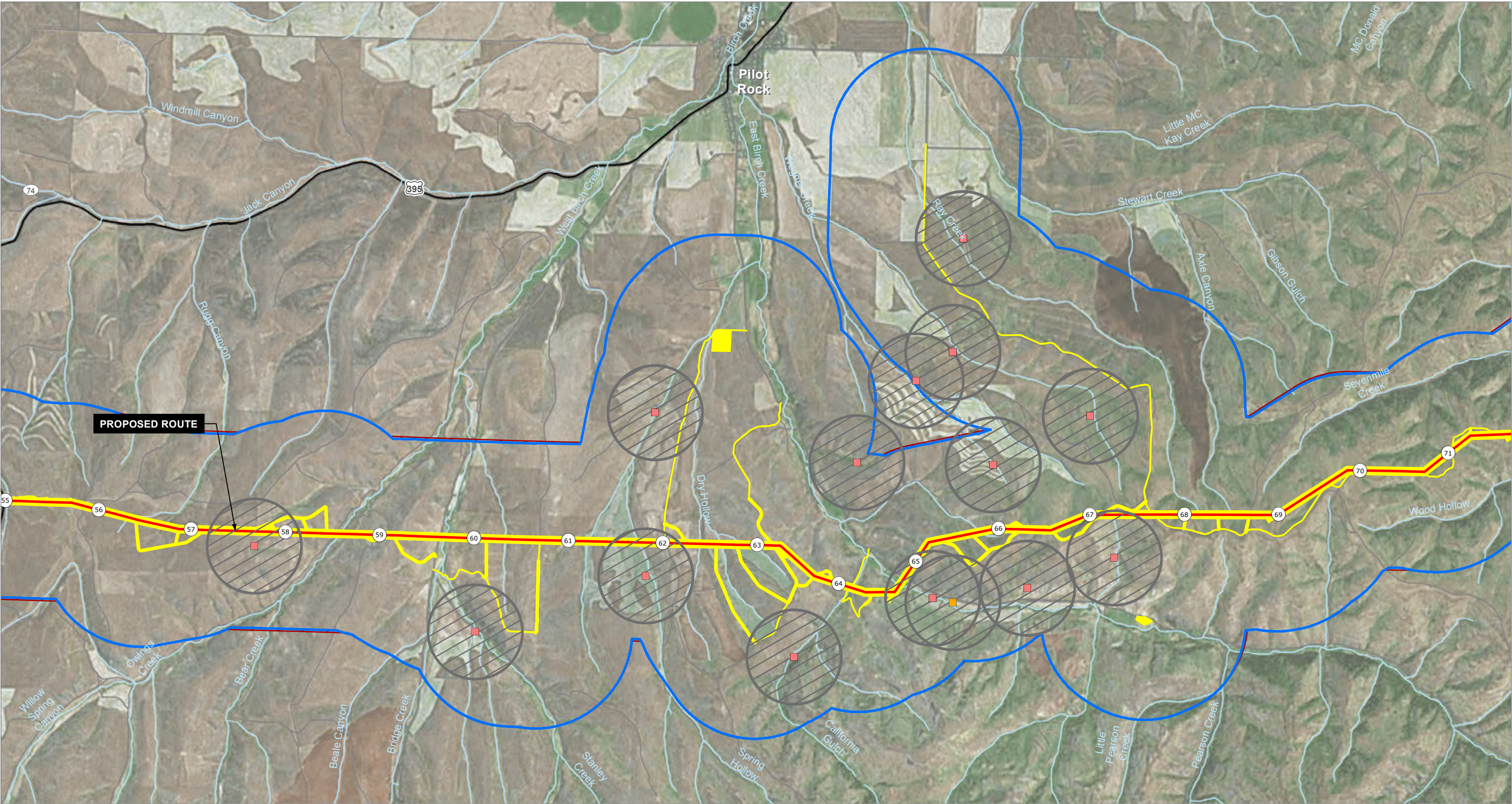
-  Road
-  US and State Highway
-  Rivers

Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 5 of 24







Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route
-  Site Boundary

**Active Raptor Nest**

-  Great Horned Owl
-  Red-tailed Hawk

**Seasonal Constraint**

-  March 15 to June 30

**Other Features**

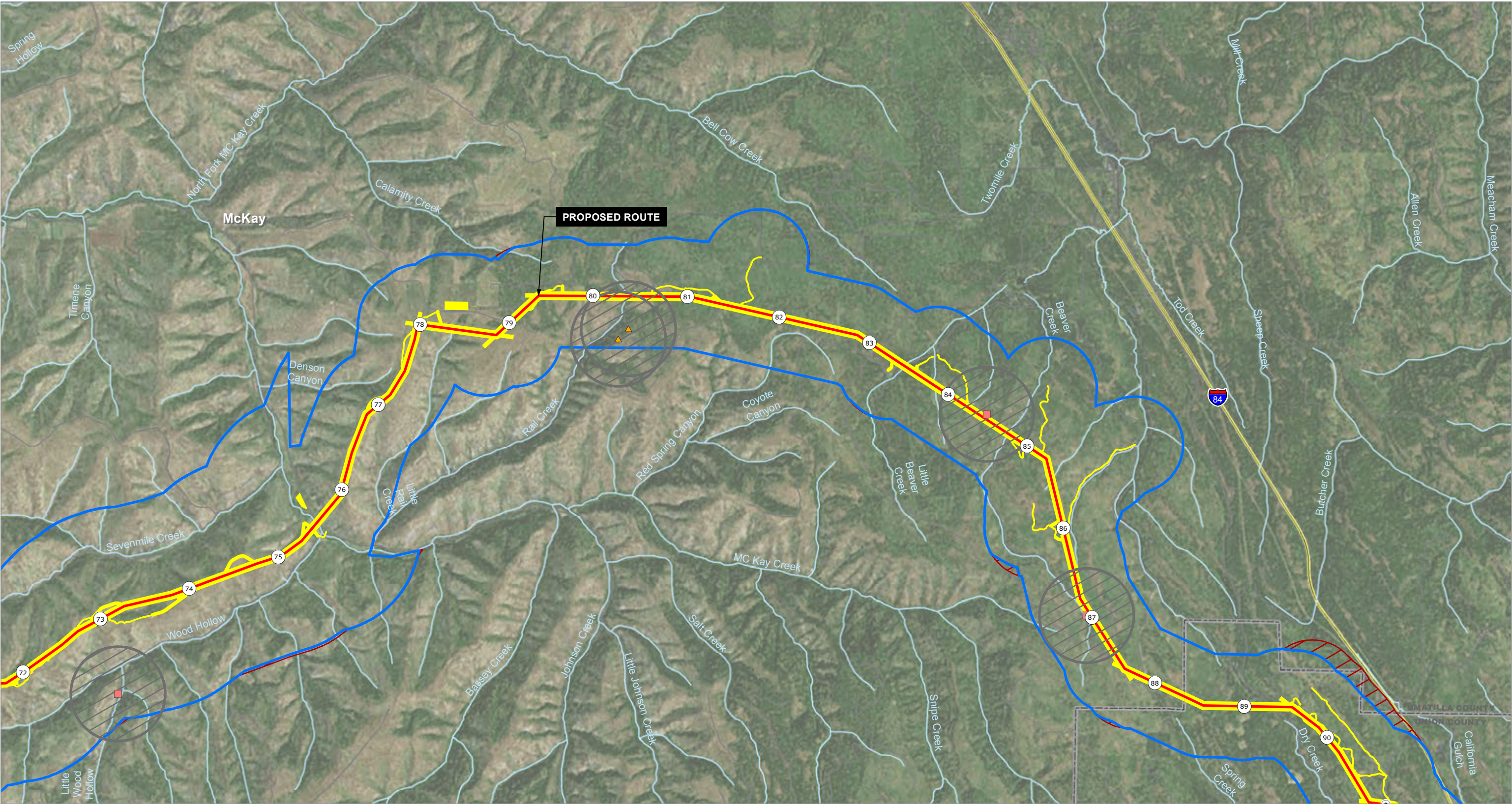
-  Road
-  US and State Highway
-  Rivers

Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 6 of 24







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Site Boundary

**Active Raptor Nest**

- American Kestrel
- Red-tailed Hawk

**Seasonal Constraint**

- March 15 to June 30

**Other Features**

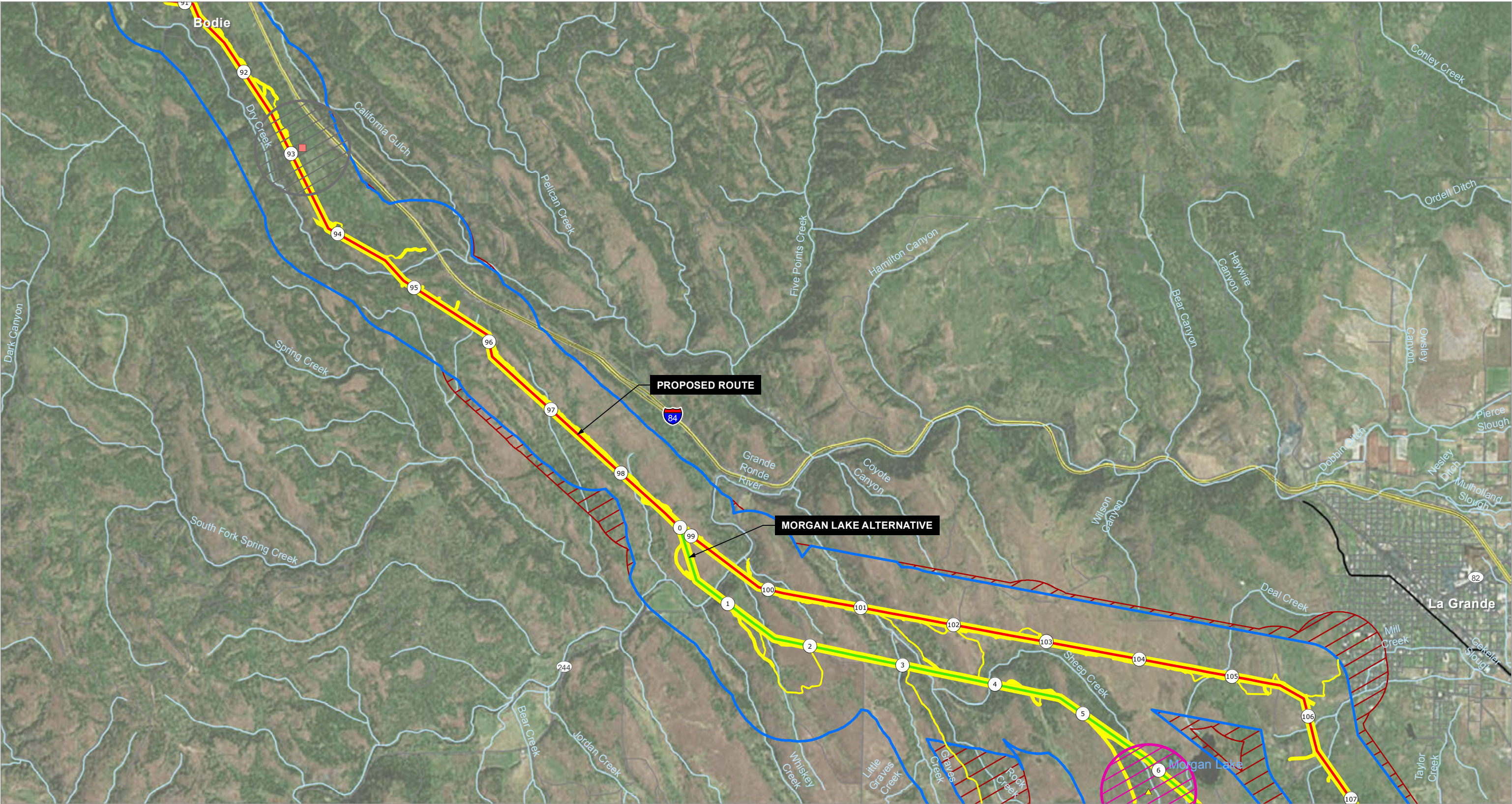
- Road
- Interstate Highway
- Rivers

Boardman to Hemingway  
Transmission Line Project

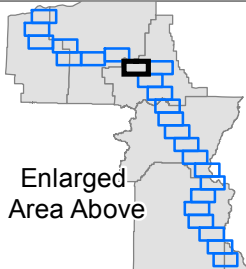
**Active Raptor Nest  
Results**

Figure 7 of 24





0 1 Miles



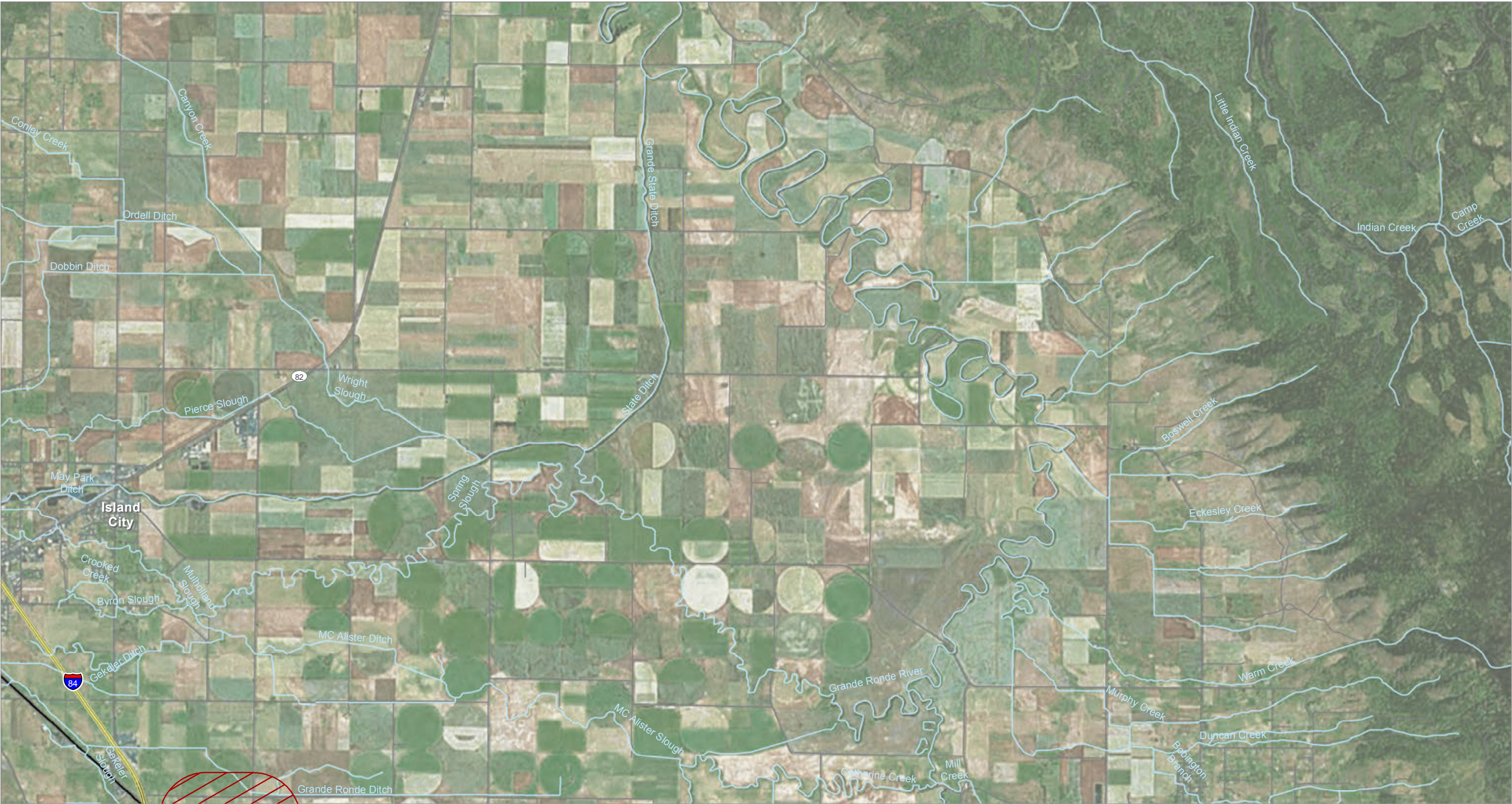
Enlarged Area Above

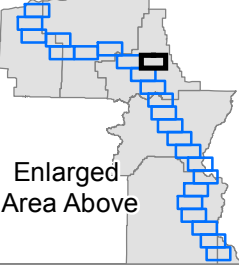



Boardman to Hemingway Transmission Line Project

Active Raptor Nest Results

Figure 8 of 24







Enlarged Area Above

**Project Features**

- Not Surveyed

**Other Features**

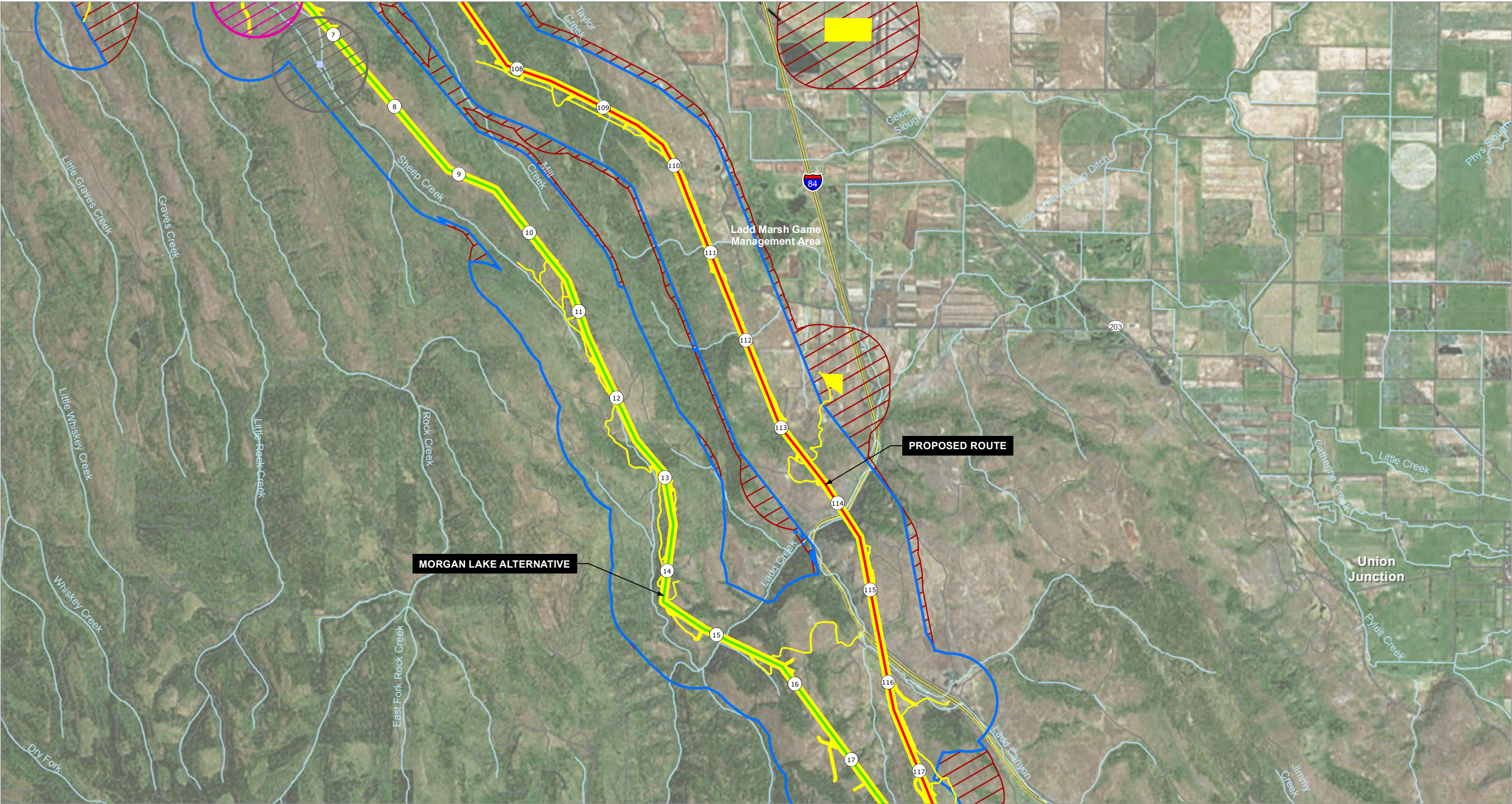
- Road
- Interstate Highway
- US and State Highway
- Rivers

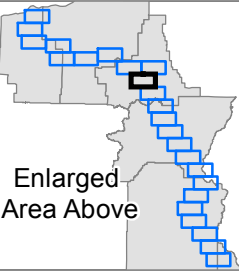



Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 9 of 24







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Alternative
- Site Boundary

**Active Raptor Nest**

- Osprey

**Seasonal Constraint**

- February 1 to July 30
- March 15 to June 30

**Other Features**

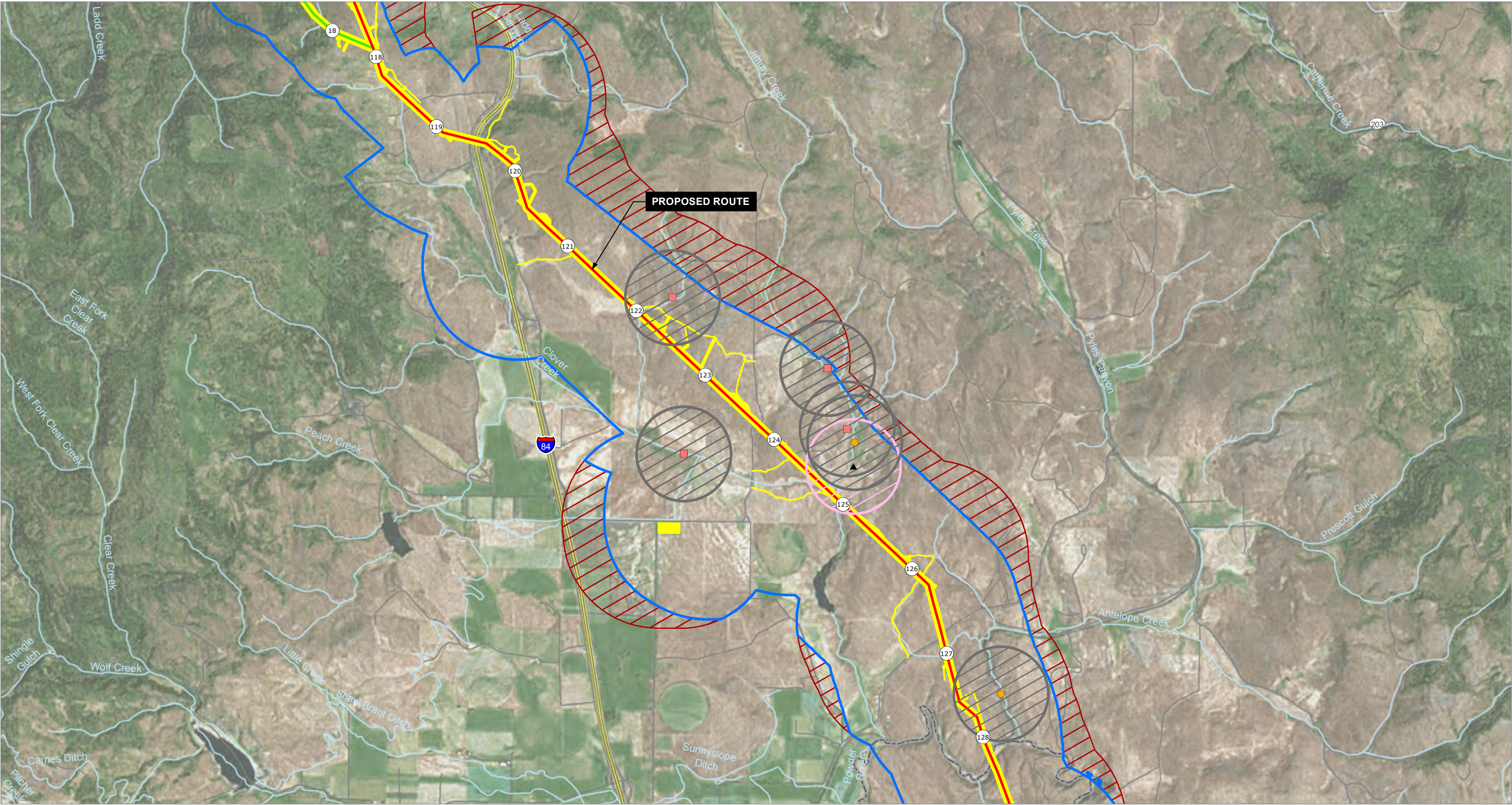
- Road
- Interstate Highway
- US and State Highway
- Rivers

Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 10 of 24







Enlarged Area Above

**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route
-  Alternative
-  Site Boundary

**Active Raptor Nest**

-  Golden Eagle
-  Red-tailed Hawk
-  Swainson's Hawk

**Seasonal Constraint**

-  February 1 to June 30
-  March 15 to June 30

**Other Features**

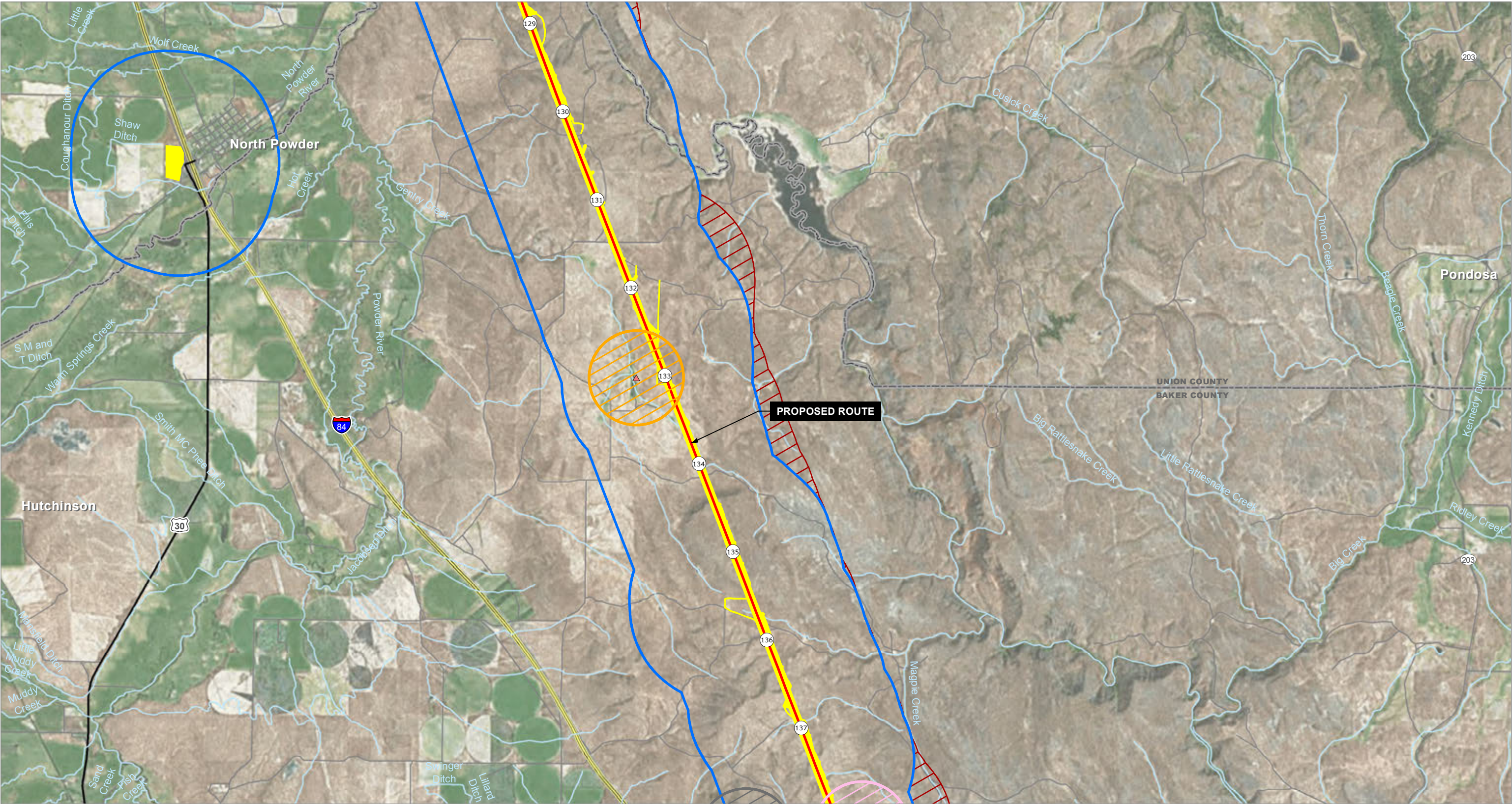
-  Road
-  Interstate Highway
-  Rivers

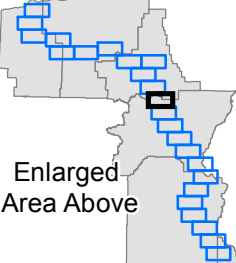



Boardman to Hemingway Transmission Line Project

**Active Raptor Nest Results**






Figure 11 of 24











**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route
-  Site Boundary





**Active Raptor Nest**

-  Ferruginous Hawk

**Seasonal Constraint**

-  February 1 to June 30
-  March 15 to July 15
-  March 15 to June 30

**Other Features**

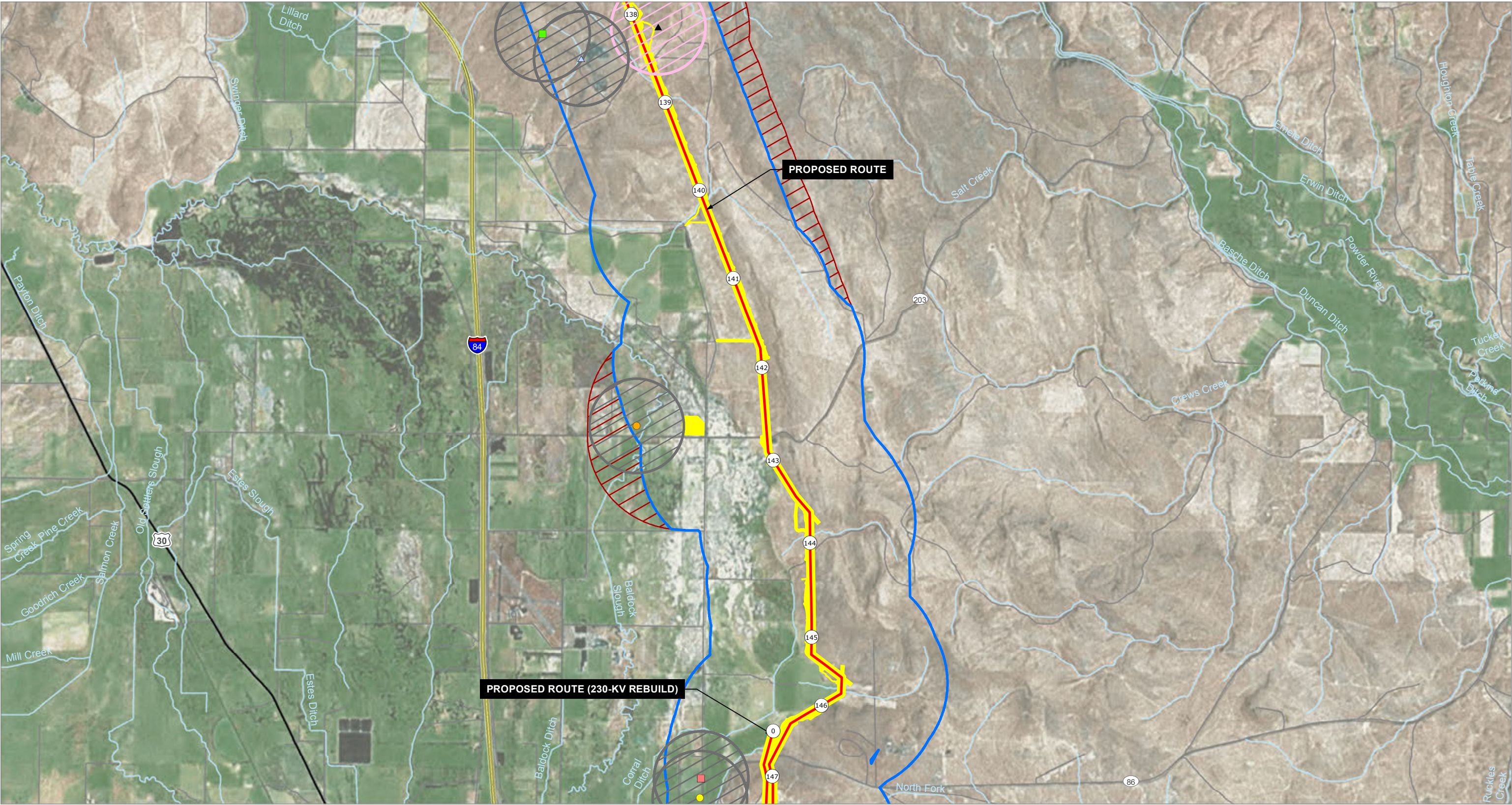
-  Road
-  Interstate Highway
-  US and State Highway
-  Rivers

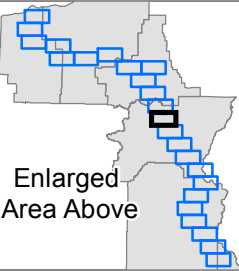

Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 12 of 24







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Site Boundary

**Active Raptor Nest**

- Barn Owl
- Golden Eagle
- Prairie Falcon
- Red-tailed Hawk
- Swainson's Hawk
- Unknown

**Seasonal Constraint**

- February 1 to June 30
- March 15 to June 30

**Other Features**

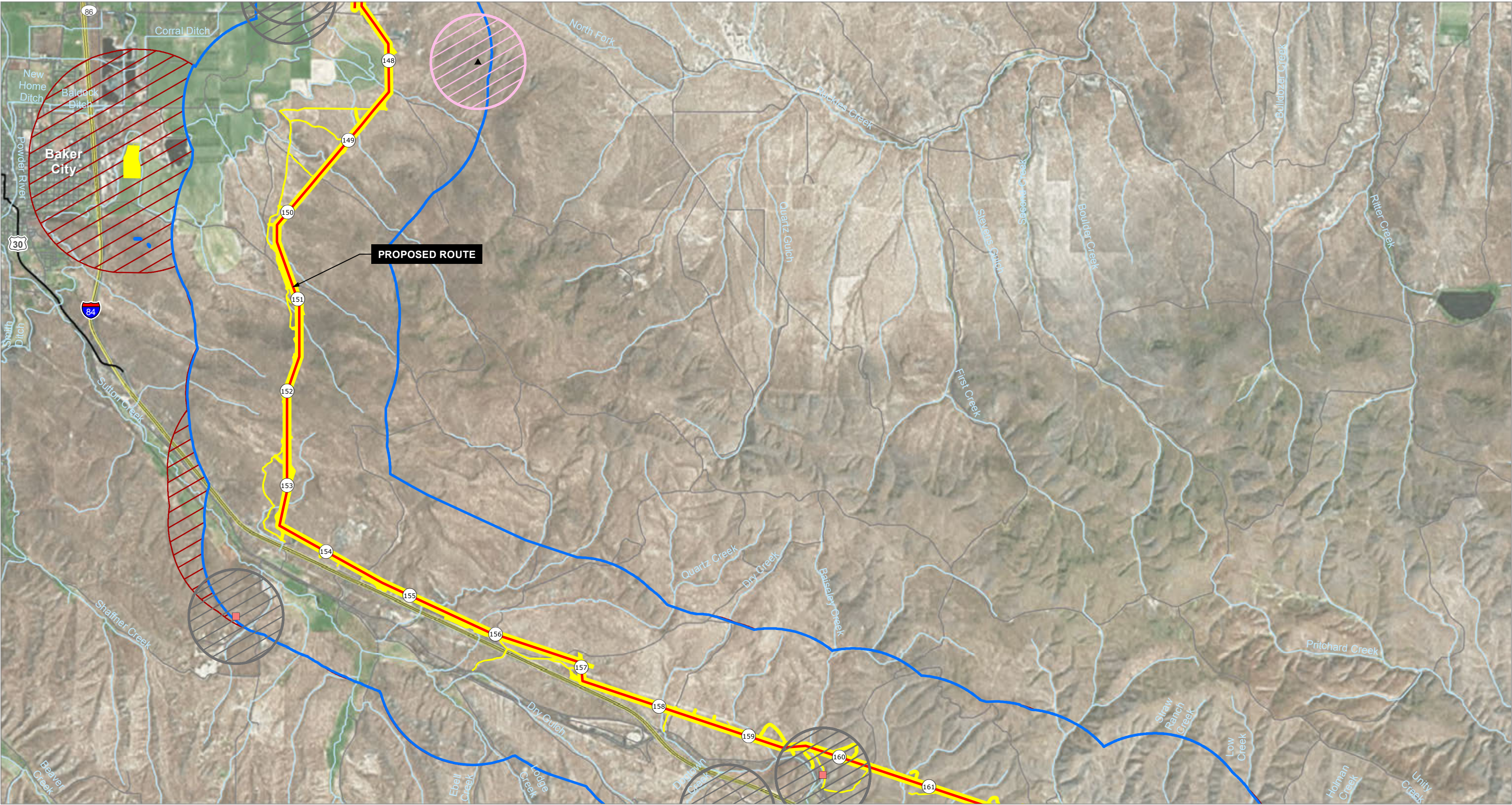
- Road
- Interstate Highway
- US and State Highway
- Rivers

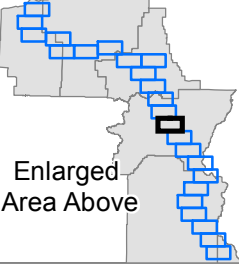



Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 13 of 24







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Site Boundary

**Active Raptor Nest**

- Golden Eagle
- Red-tailed Hawk

**Seasonal Constraint**

- February 1 to June 30
- March 15 to June 30

**Other Features**

- Road
- Interstate Highway
- US and State Highway
- Rivers

Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 14 of 24







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Site Boundary

**Active Raptor Nest**

- Red-tailed Hawk
- Swainson's Hawk

**Seasonal Constraint**

- March 15 to June 30

**Other Features**

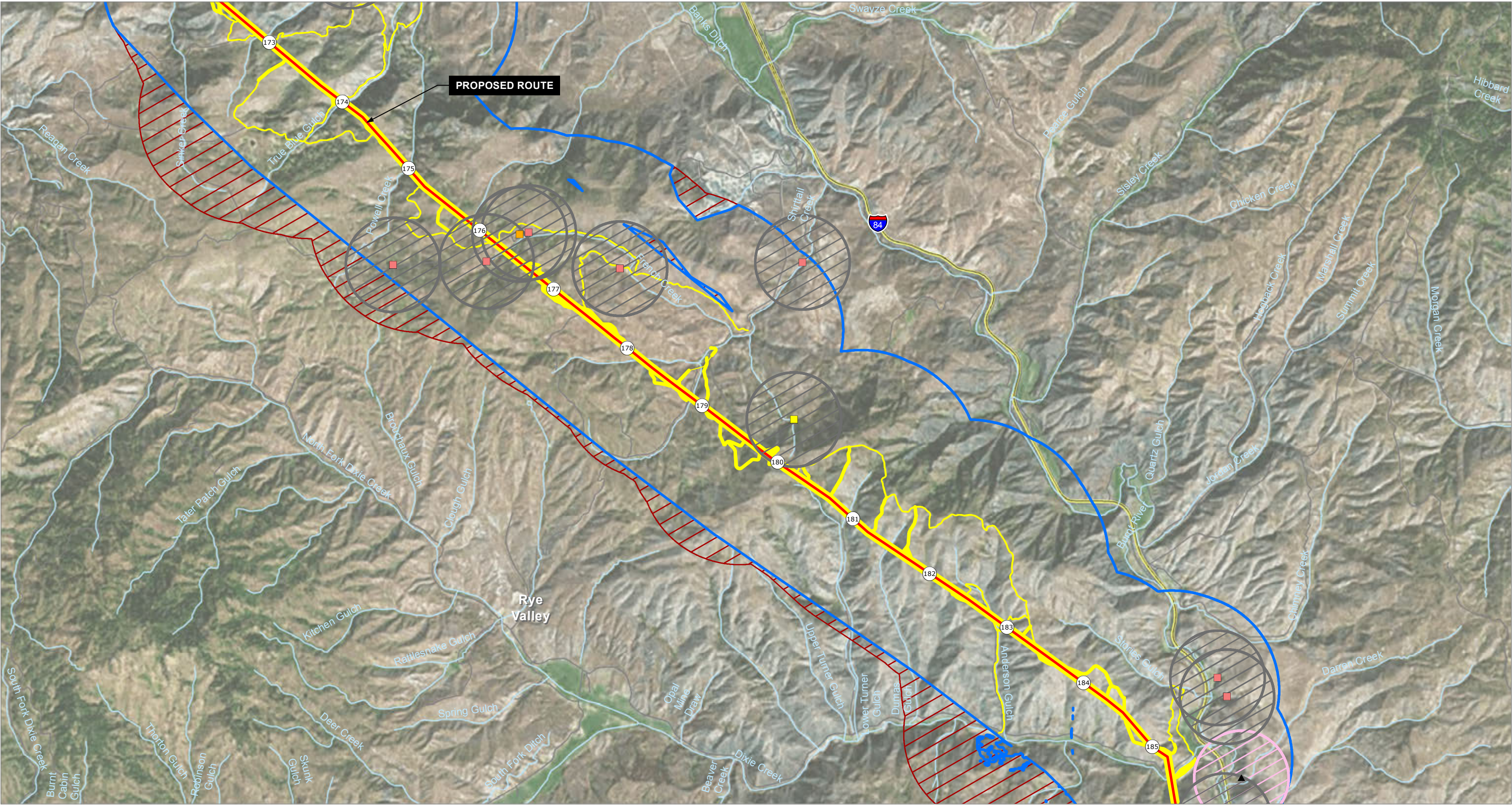
- Road
- Interstate Highway
- Rivers

Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 15 of 24







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Site Boundary

**Active Raptor Nest**

- Golden Eagle
- Great Horned Owl
- Long-eared Owl
- Red-tailed Hawk

**Seasonal Constraint**

- February 1 to June 30
- March 15 to June 30

**Other Features**

- Road
- Interstate Highway
- Rivers

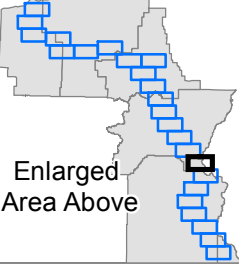
Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 16 of 24







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Site Boundary

**Active Raptor Nest**

- Red-tailed Hawk
- Short-eared Owl
- Swainson's Hawk

**Seasonal Constraint**

- February 1 to June 30
- March 15 to June 30

**Other Features**

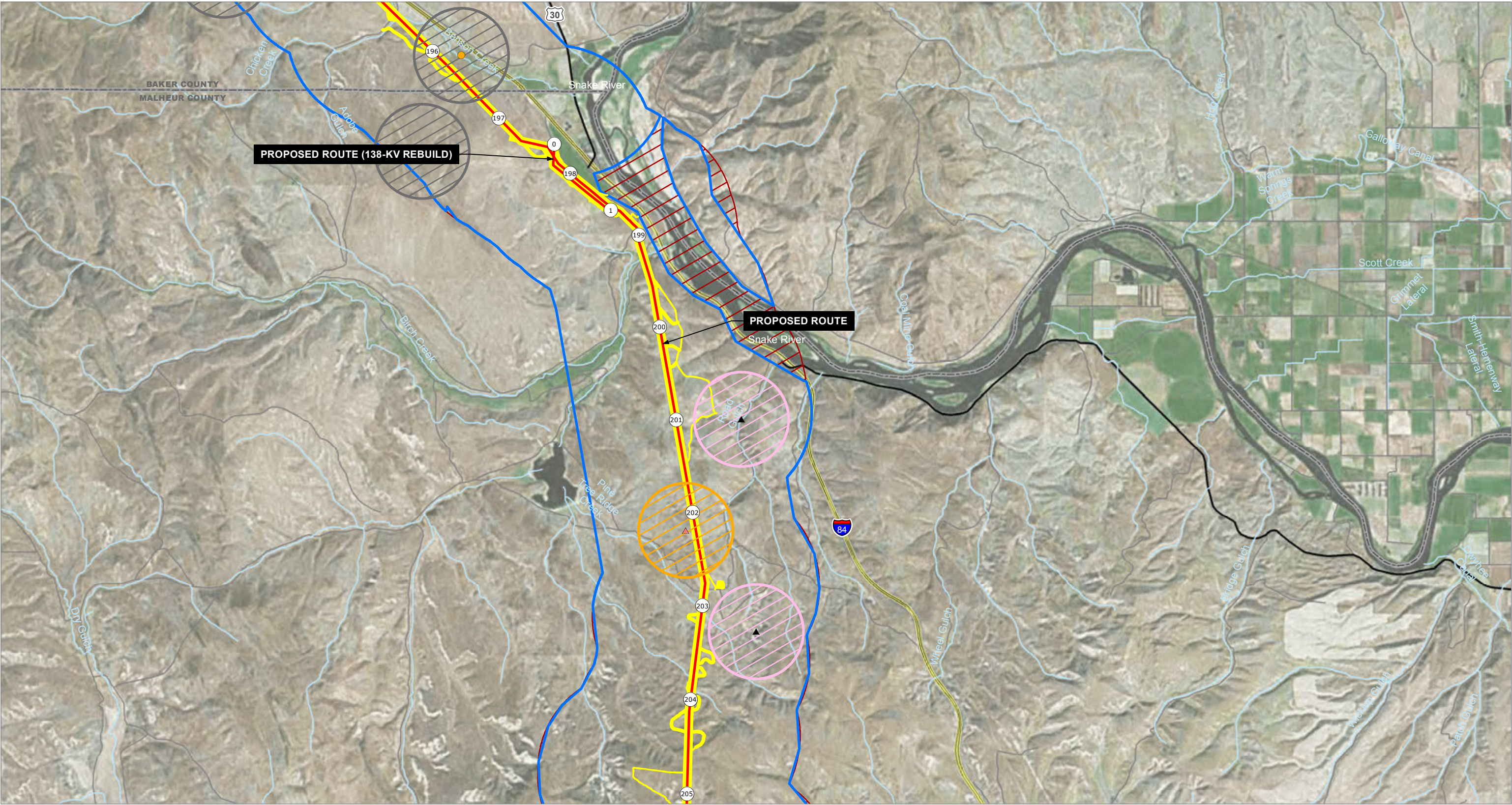
- Road
- Interstate Highway
- US and State Highway
- Rivers

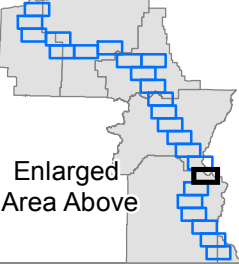



Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 17 of 24







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Site Boundary

**Active Raptor Nest**

- Burrowing Owl
- Ferruginous Hawk
- Golden Eagle
- Swainson's Hawk

**Seasonal Constraint**

- February 1 to June 30
- March 15 to July 15
- March 15 to June 30

**Other Features**

- Road
- Interstate Highway
- US and State Highway
- Rivers

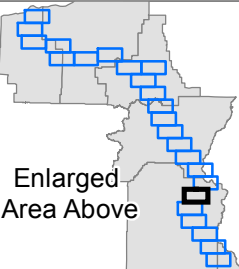



Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 18 of 24







**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Site Boundary

**Other Features**

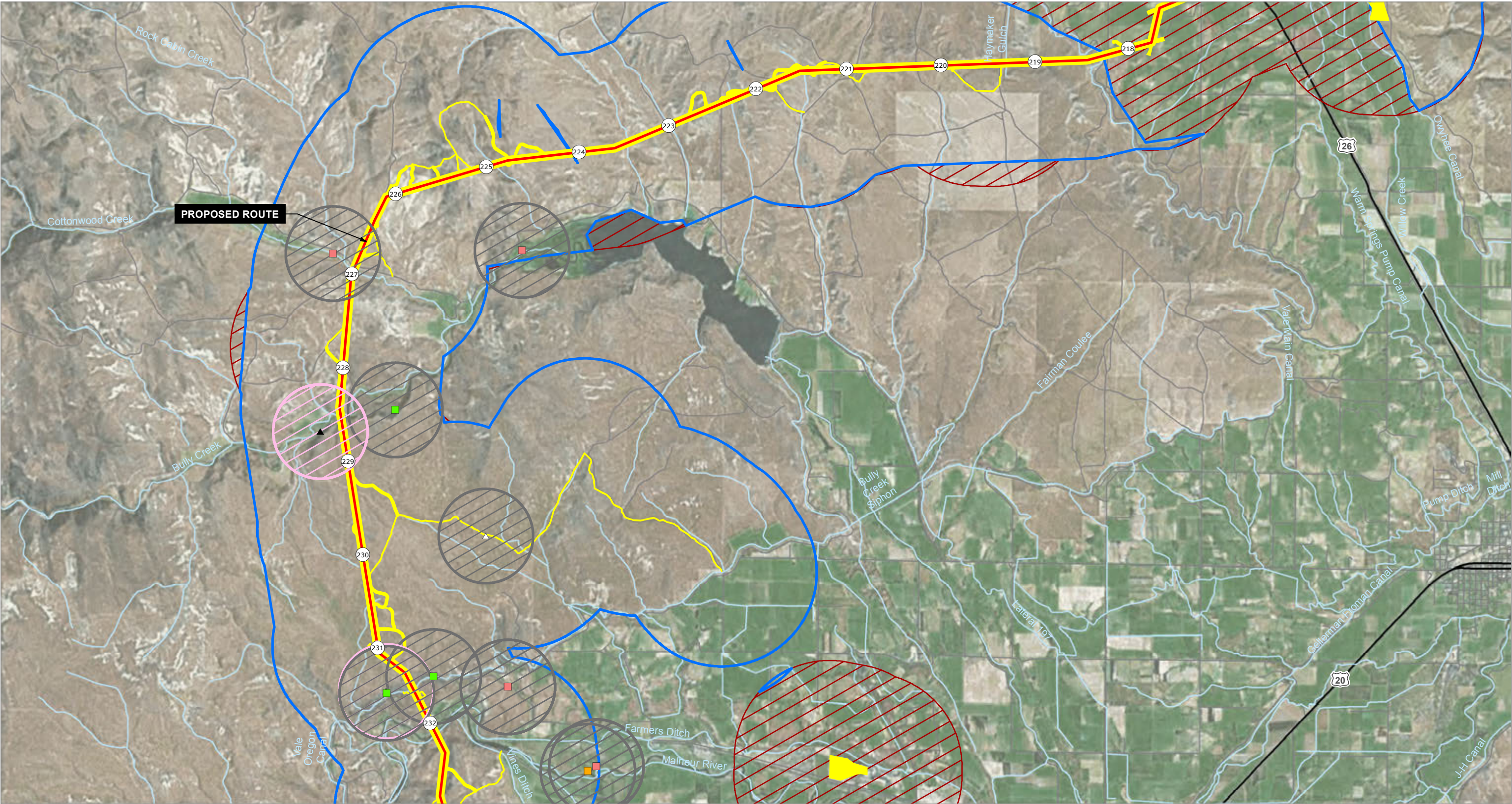
- Road
- US and State Highway
- Rivers

Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 19 of 24







Enlarged Area Above

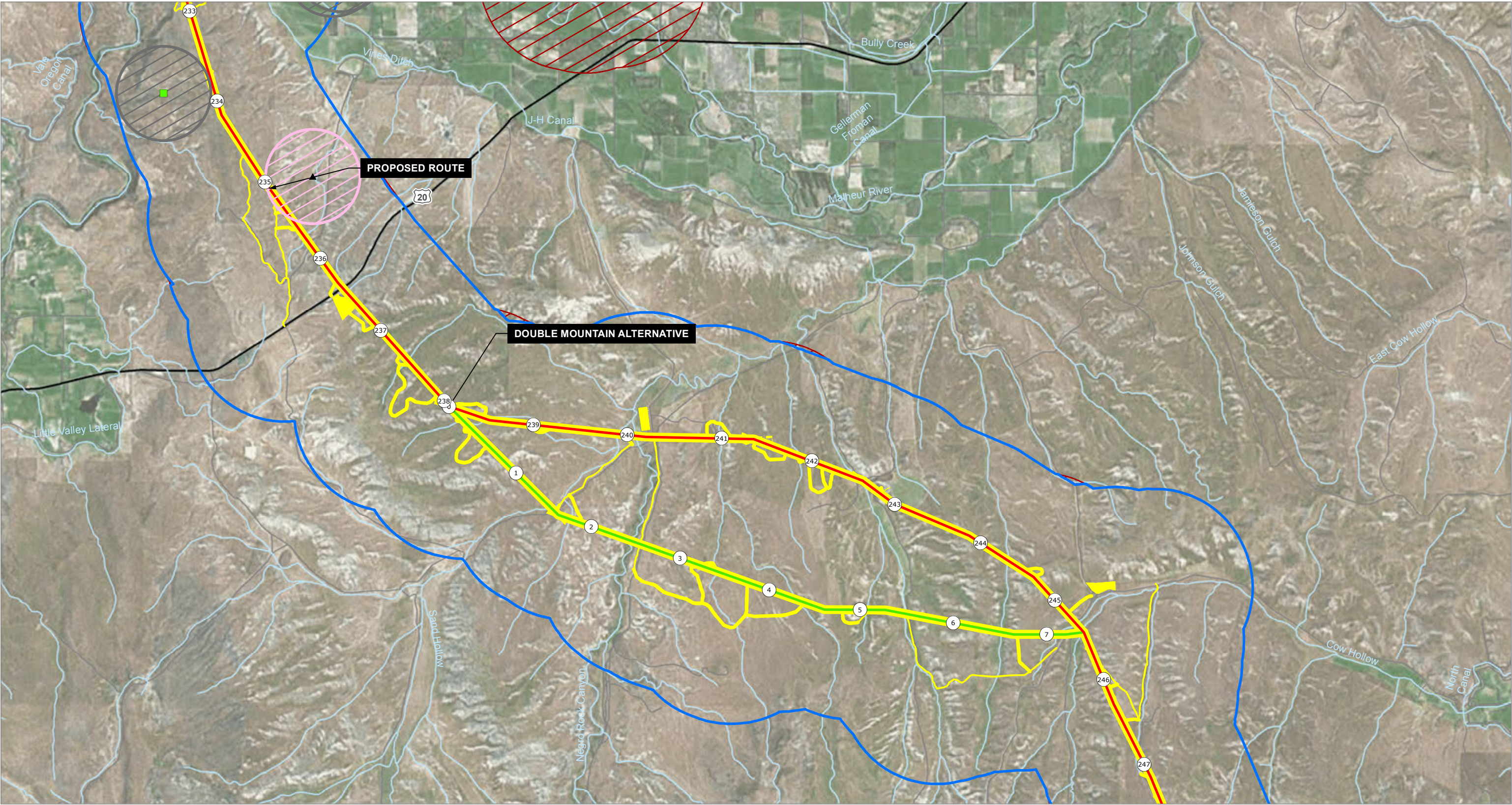
Project Features	Active Raptor Nest	Seasonal Constraint	Other Features
Surveyed	Burrowing Owl	February 1 to June 30	Road
Not Surveyed	Golden Eagle	March 15 to June 30	US and State Highway
Milepost	Great Horned Owl		Rivers
Proposed Route	Prairie Falcon		
Site Boundary	Red-tailed Hawk		

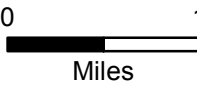
Boardman to Hemingway Transmission Line Project

**Active Raptor Nest Results**

Figure 20 of 24












Enlarged Area Above


**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route
-  Alternative
-  Site Boundary




**Active Raptor Nest**

-  Barn Owl
-  Golden Eagle
-  Prairie Falcon

**Seasonal Constraint**

-  February 1 to June 30
-  March 15 to June 30

**Other Features**

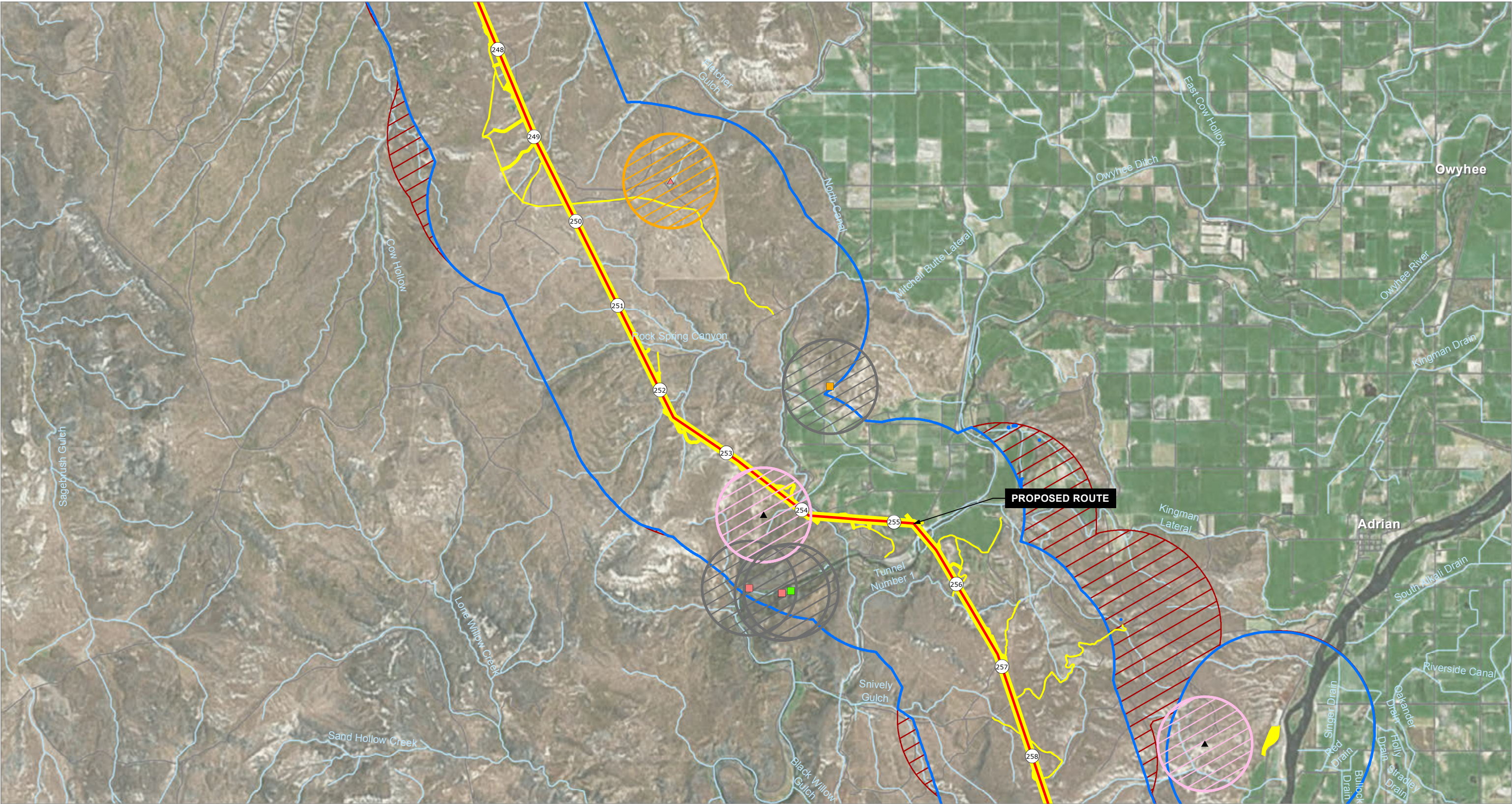
-  Road
-  US and State Highway
-  Rivers

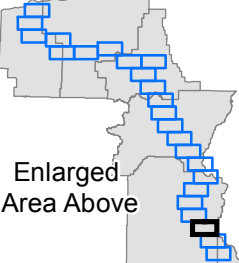



Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

Figure 21 of 24







Enlarged Area Above

**Project Features**

- Surveyed
- Not Surveyed
- Milepost
- Proposed Route
- Site Boundary

**Active Raptor Nest**

- Ferruginous Hawk
- Golden Eagle
- Great Horned Owl
- Prairie Falcon
- Red-tailed Hawk

**Seasonal Constraint**

- February 1 to June 30
- March 15 to July 15
- March 15 to June 30

**Other Features**

- Road
- Rivers

Boardman to Hemingway  
Transmission Line Project

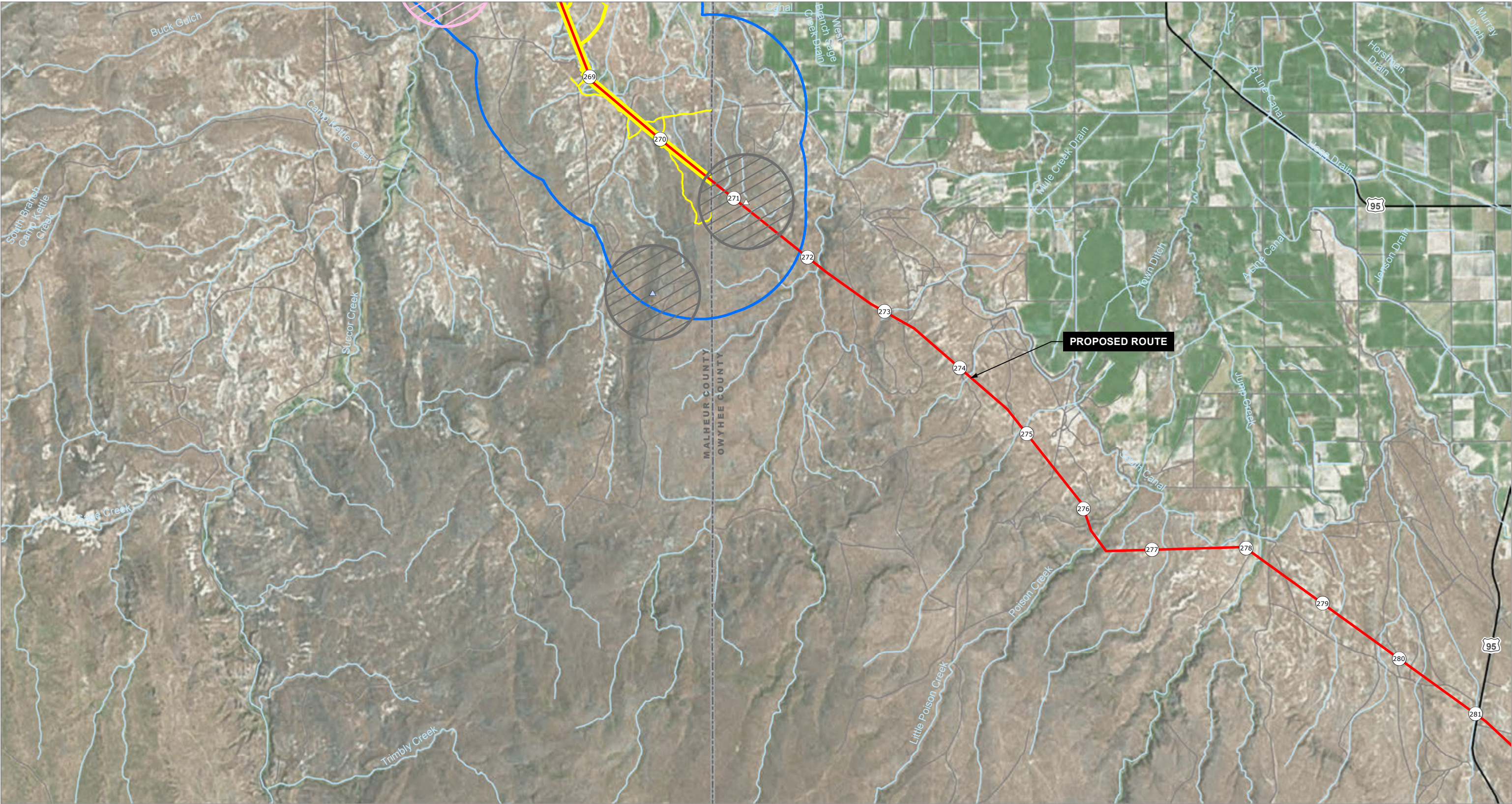
**Active Raptor Nest  
Results**

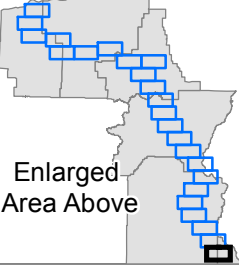



Figure 22 of 24


















Enlarged Area Above



**Project Features**

-  Surveyed
-  Not Surveyed
-  Milepost
-  Proposed Route
-  Site Boundary




**Active Raptor Nest**

-  Barn Owl
-  Burrowing Owl

**Seasonal Constraint**

-  February 1 to June 30
-  March 15 to June 30

**Other Features**

-  Road
-  US and State Highway
-  Rivers

Boardman to Hemingway  
Transmission Line Project

**Active Raptor Nest  
Results**

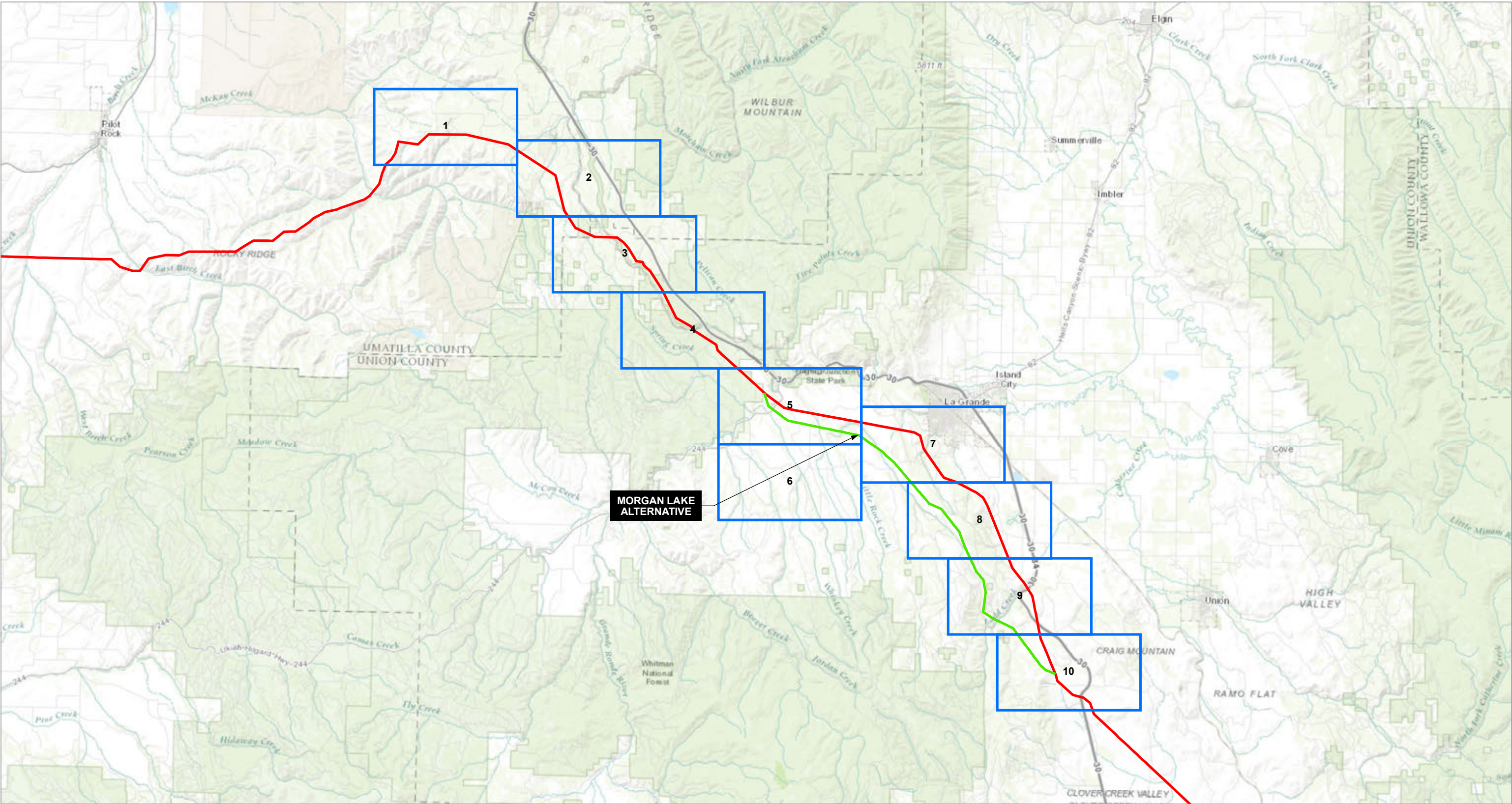
Figure 24 of 24





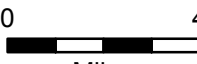
## **Appendix 6**

### **Northern Goshawk and American Three-Toed Woodpecker Results Mapbook**

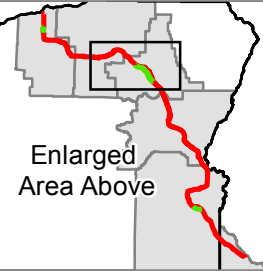








0 4  
Miles



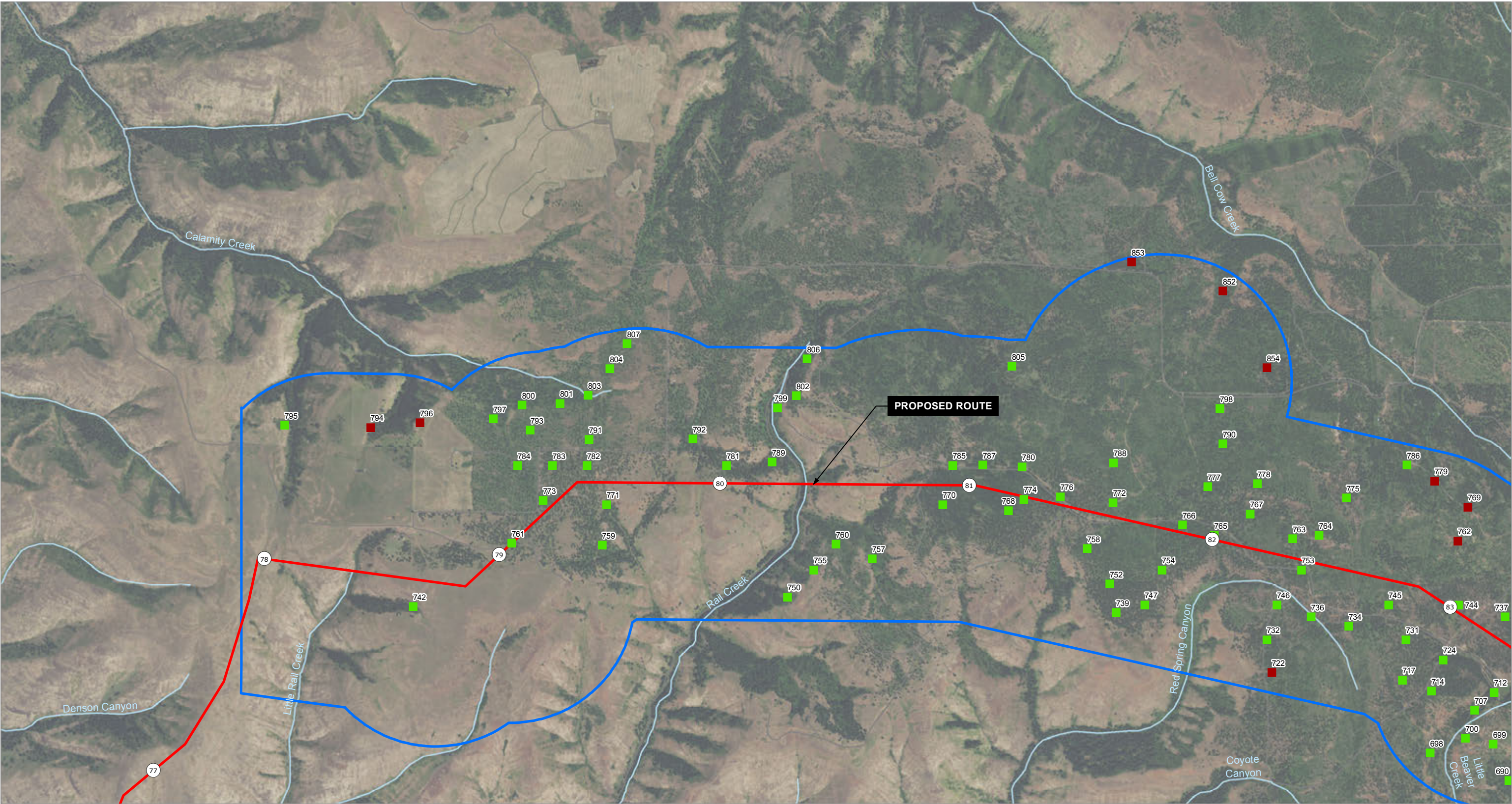
Enlarged  
Area Above

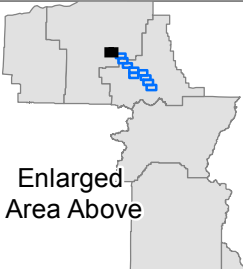



- Project Features**

  - Proposed Route
  - Alternative
- Index Map**

Boardman to Hemingway  
Transmission Line Project  
**Northern Goshawk & American  
Three-toed Woodpecker  
Overview Index**







Enlarged Area Above

**Project Features**

- Survey Area
- Milepost
- Proposed Route

**Calling Station (ID Number)**

- Survey Complete
- Survey Not Complete

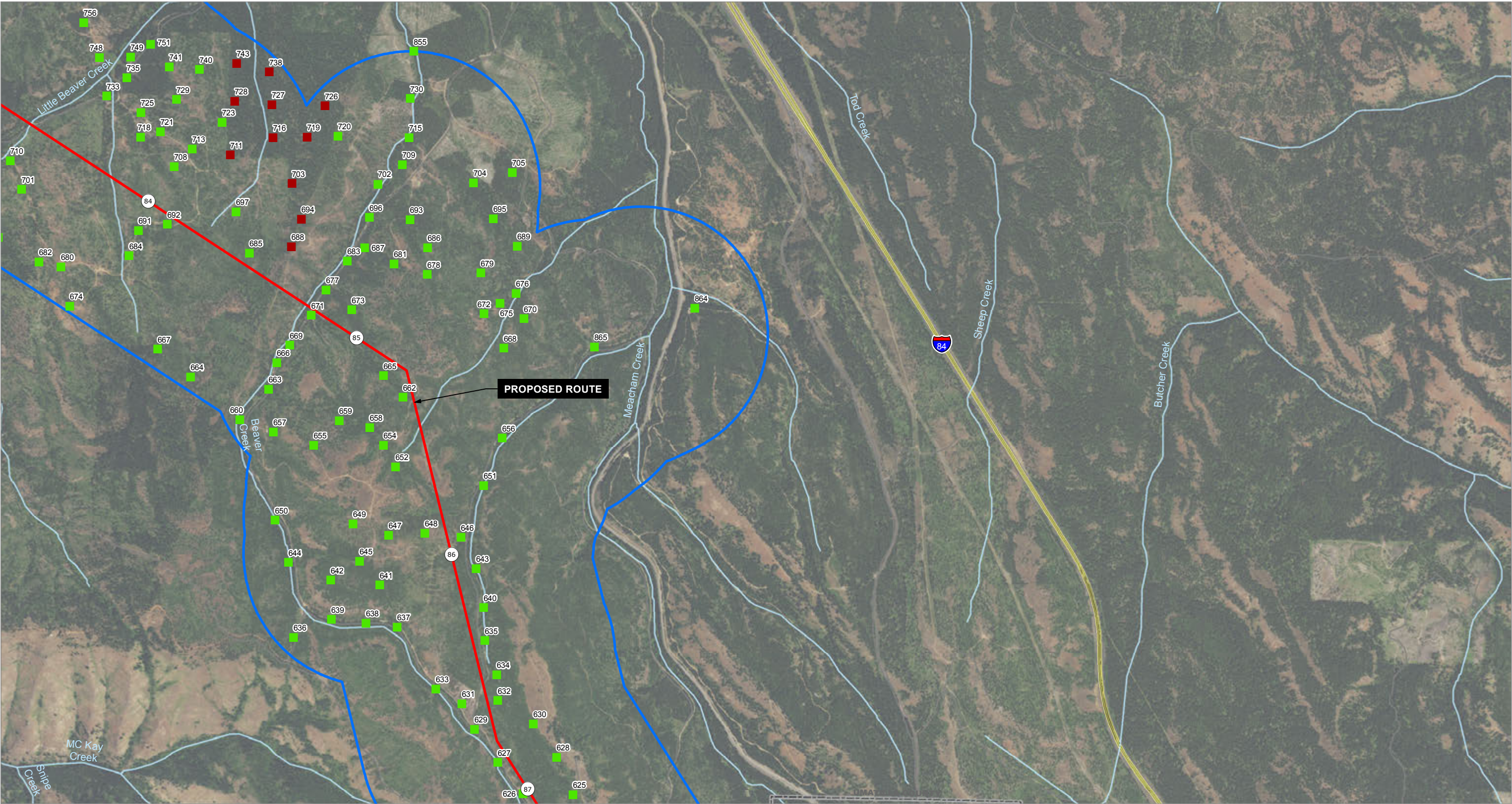
**Other Features**

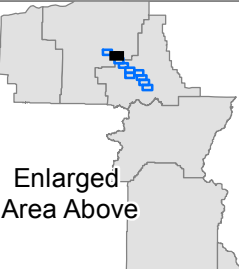



- Road
- Rivers

Boardman to Hemingway  
Transmission Line Project  
**Northern Goshawk & American  
Three-toed Woodpecker  
Results**

Figure 1 of 10







Enlarged Area Above

**Project Features**

- Survey Area
- Milepost
- Proposed Route

**Calling Station (ID Number)**

- Survey Complete
- Survey Not Complete

**Other Features**

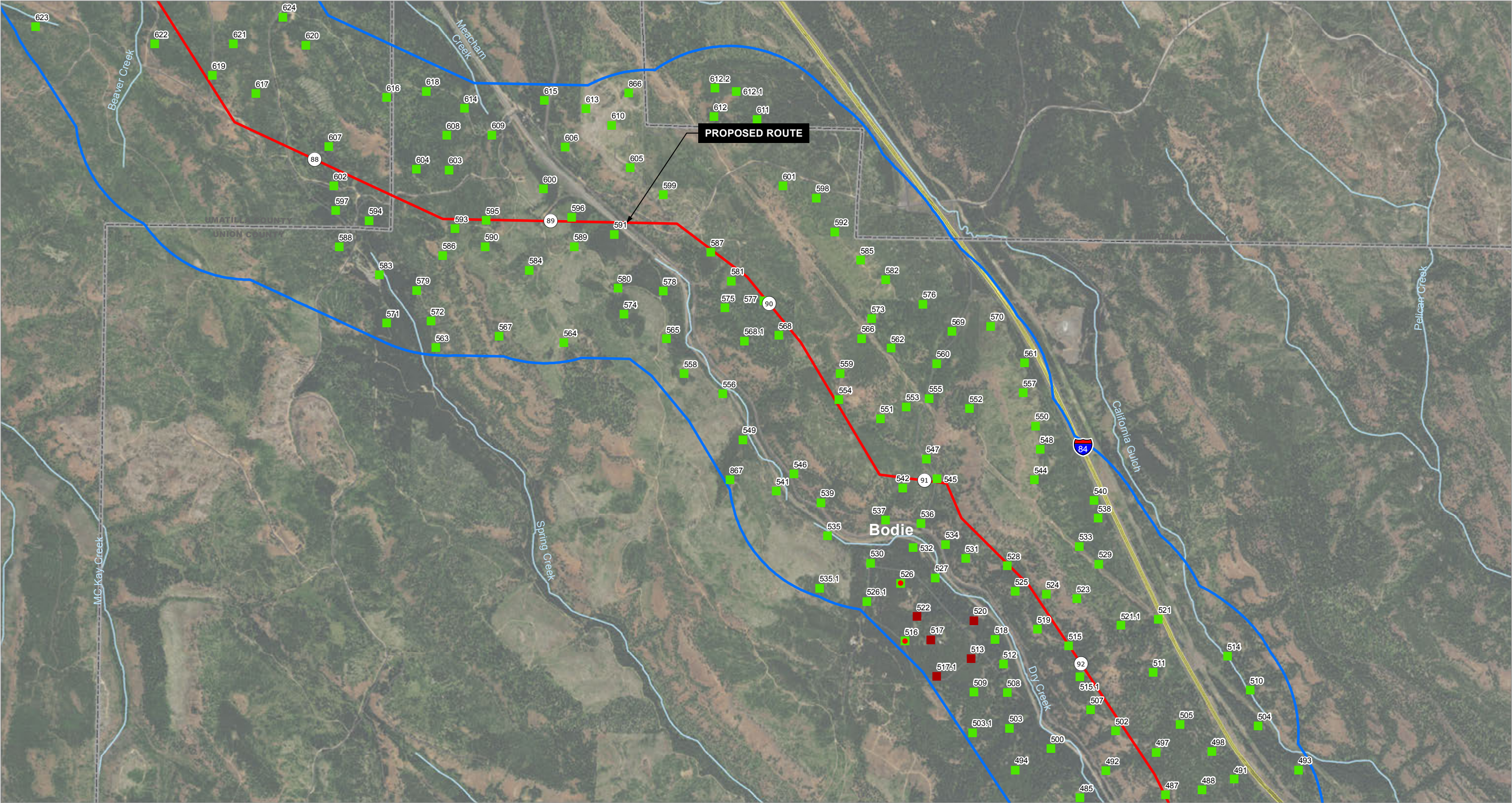
- Road
- Interstate Highway
- Rivers

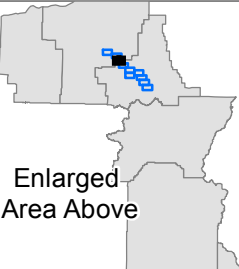



Boardman to Hemingway  
Transmission Line Project

**Northern Goshawk & American  
Three-toed Woodpecker  
Results**

Figure 2 of 10







Enlarged Area Above

**Project Features**

- Survey Area
- Milepost
- Proposed Route

**Calling Station (ID Number)**

- Survey Complete
- Survey Not Complete

**Auditory Results**

- Three-toed Woodpecker

**Other Features**

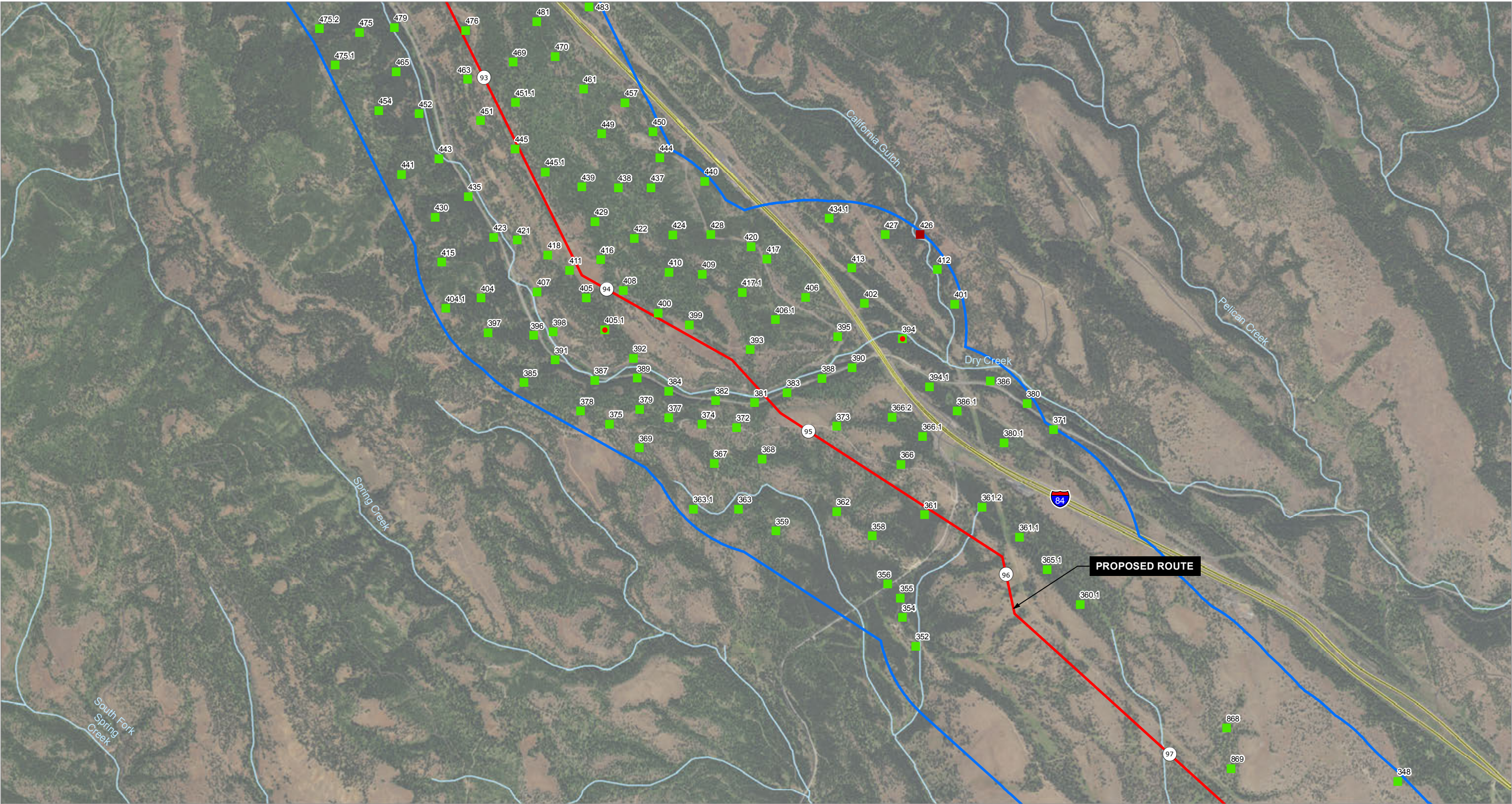
- Road
- Interstate Highway
- Rivers

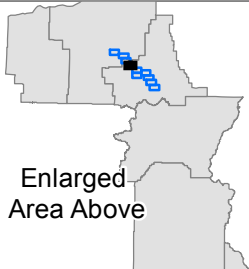



Boardman to Hemingway  
Transmission Line Project

**Northern Goshawk & American  
Three-toed Woodpecker  
Results**

Figure 3 of 10







Enlarged Area Above

**Project Features**

- Survey Area
- Milepost
- Proposed Route

**Calling Station (ID Number)**

- Survey Complete
- Survey Not Complete

**Auditory Results**

- Three-toed Woodpecker

**Other Features**

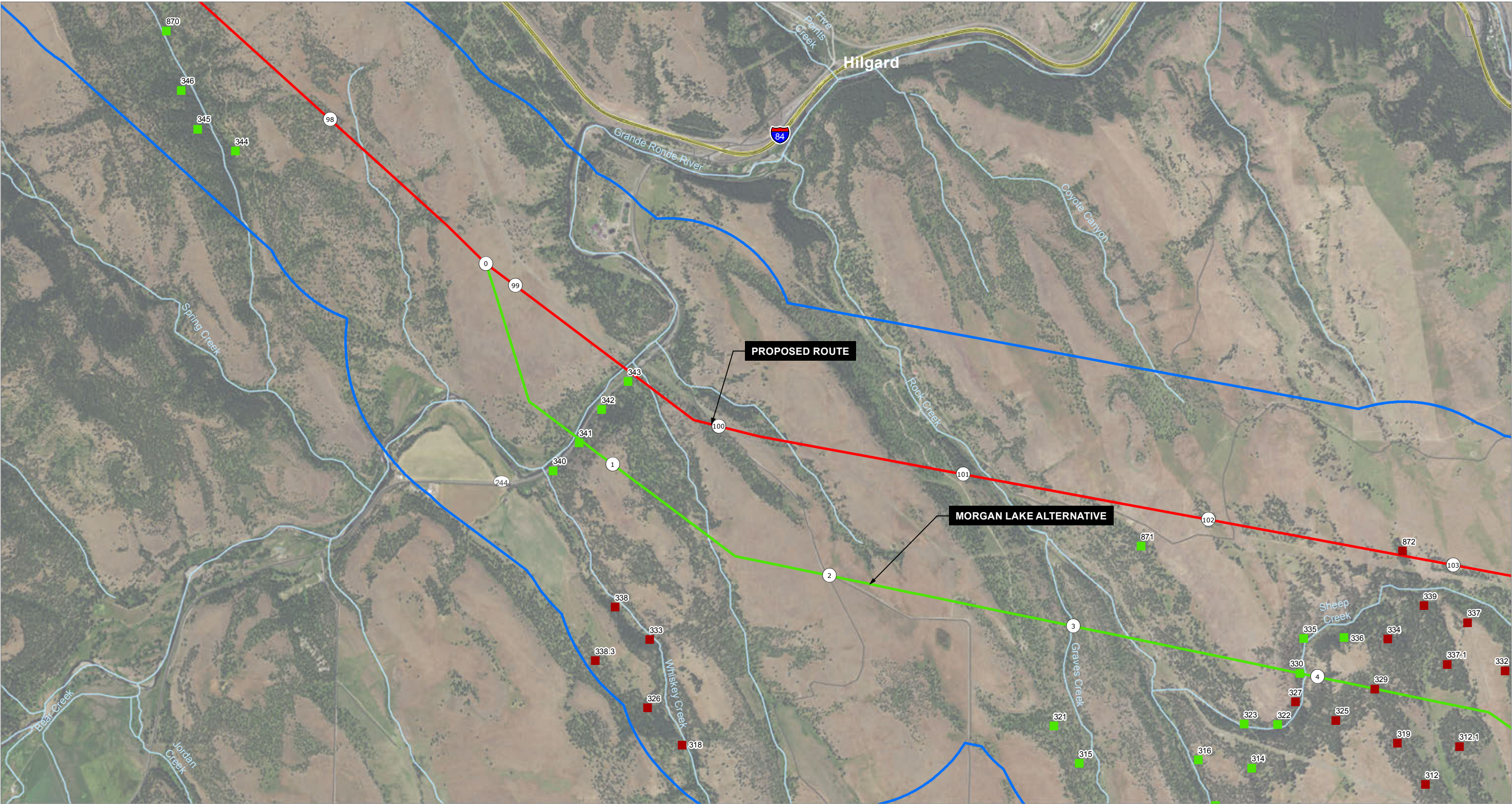
- Road
- Interstate Highway
- Rivers

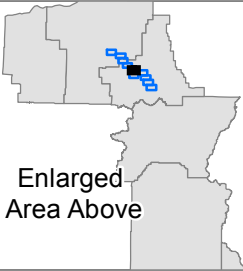



Boardman to Hemingway  
Transmission Line Project

**Northern Goshawk & American  
Three-toed Woodpecker  
Results**

Figure 4 of 10







Enlarged Area Above

**Project Features**

- Survey Area
- Milepost
- Proposed Route
- Alternative

**Calling Station (ID Number)**

- Survey Complete
- Survey Not Complete

**Other Features**

- Road
- Interstate Highway
- Rivers

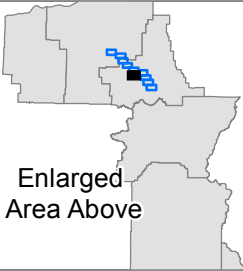



Boardman to Hemingway  
Transmission Line Project

**Northern Goshawk & American  
Three-toed Woodpecker  
Results**

Figure 5 of 10









Enlarged Area Above


**Project Features**


 Survey Area

**Calling Station (ID Number)**

 Survey Complete

**Other Features**

 Road

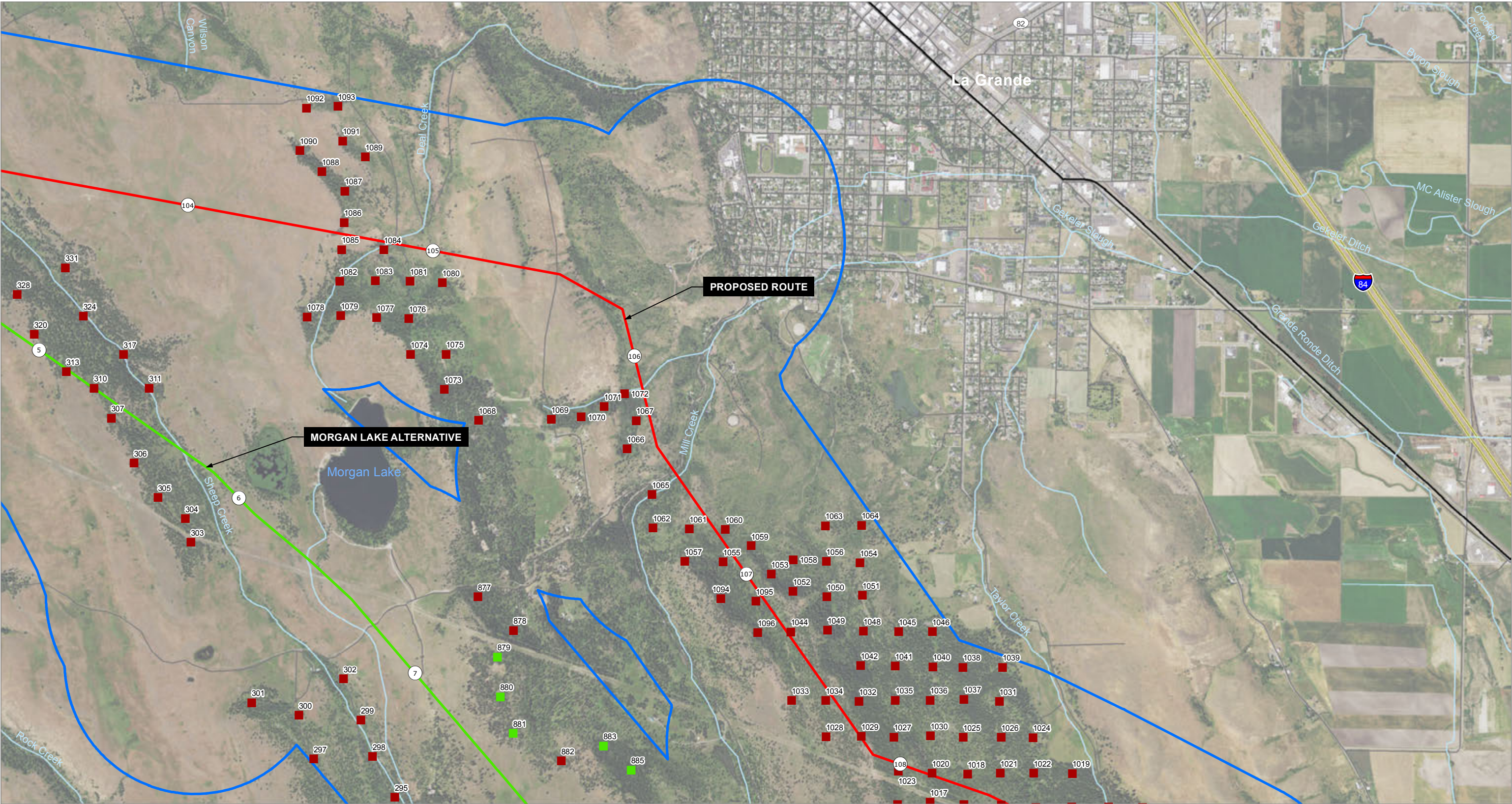
 Rivers

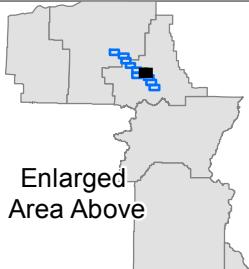



Boardman to Hemingway  
Transmission Line Project

**Northern Goshawk & American  
Three-toed Woodpecker  
Results**

Figure 6 of 10







Enlarged Area Above

**Project Features**

- Survey Area
- Milepost
- Proposed Route
- Alternative

**Calling Station (ID Number)**

- Survey Complete
- Survey Not Complete

**Other Features**

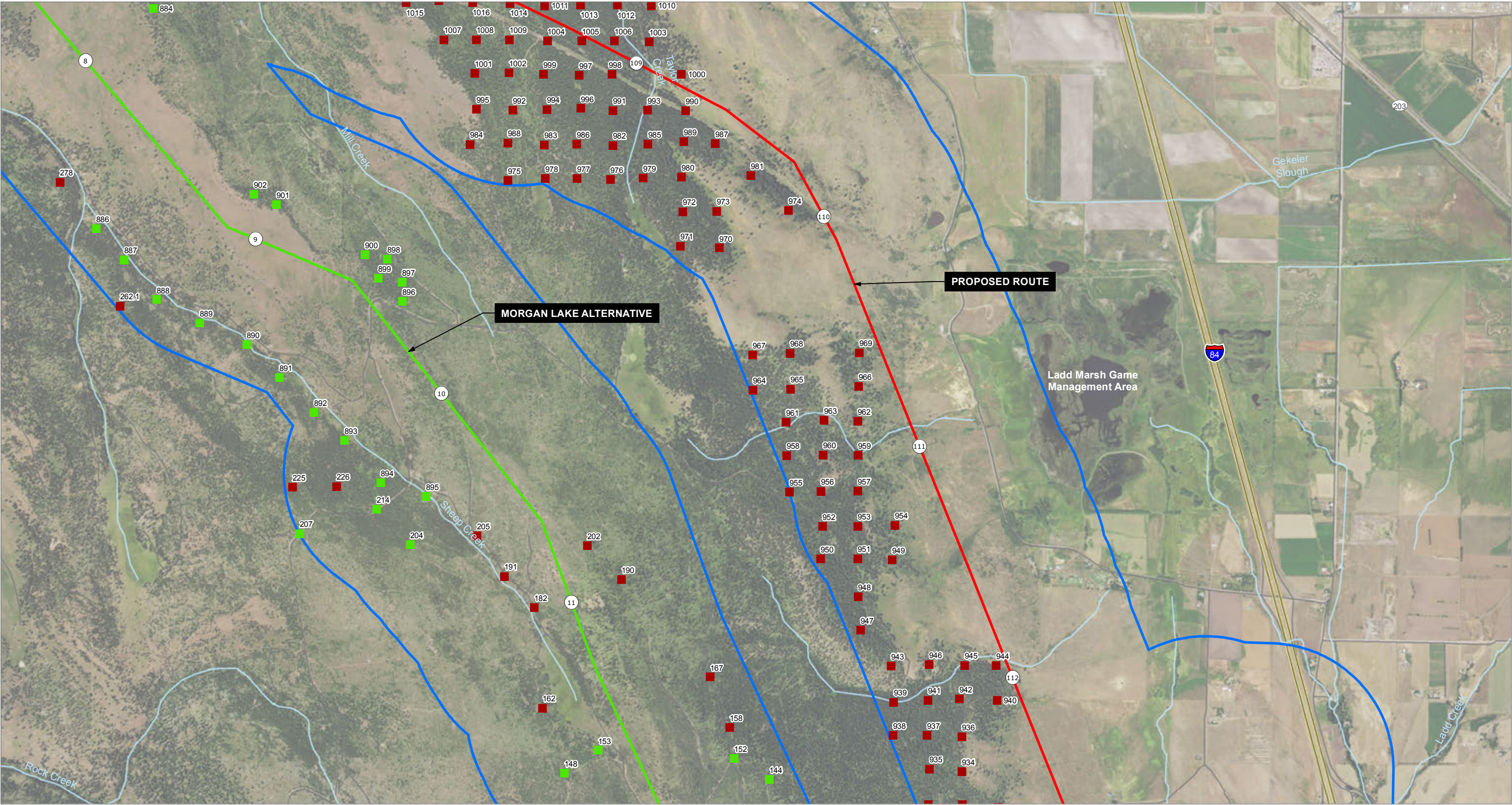
- Road
- Interstate Highway
- US and State Highway
- Rivers

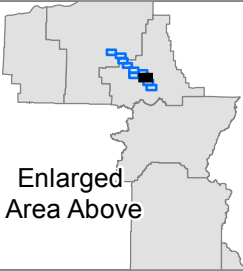



Boardman to Hemingway  
Transmission Line Project

**Northern Goshawk & American  
Three-toed Woodpecker  
Results**

Figure 7 of 10







Enlarged Area Above

**Project Features**

- Survey Area
- Milepost
- Proposed Route
- Alternative

**Calling Station (ID Number)**

- Survey Complete
- Survey Not Complete

**Other Features**

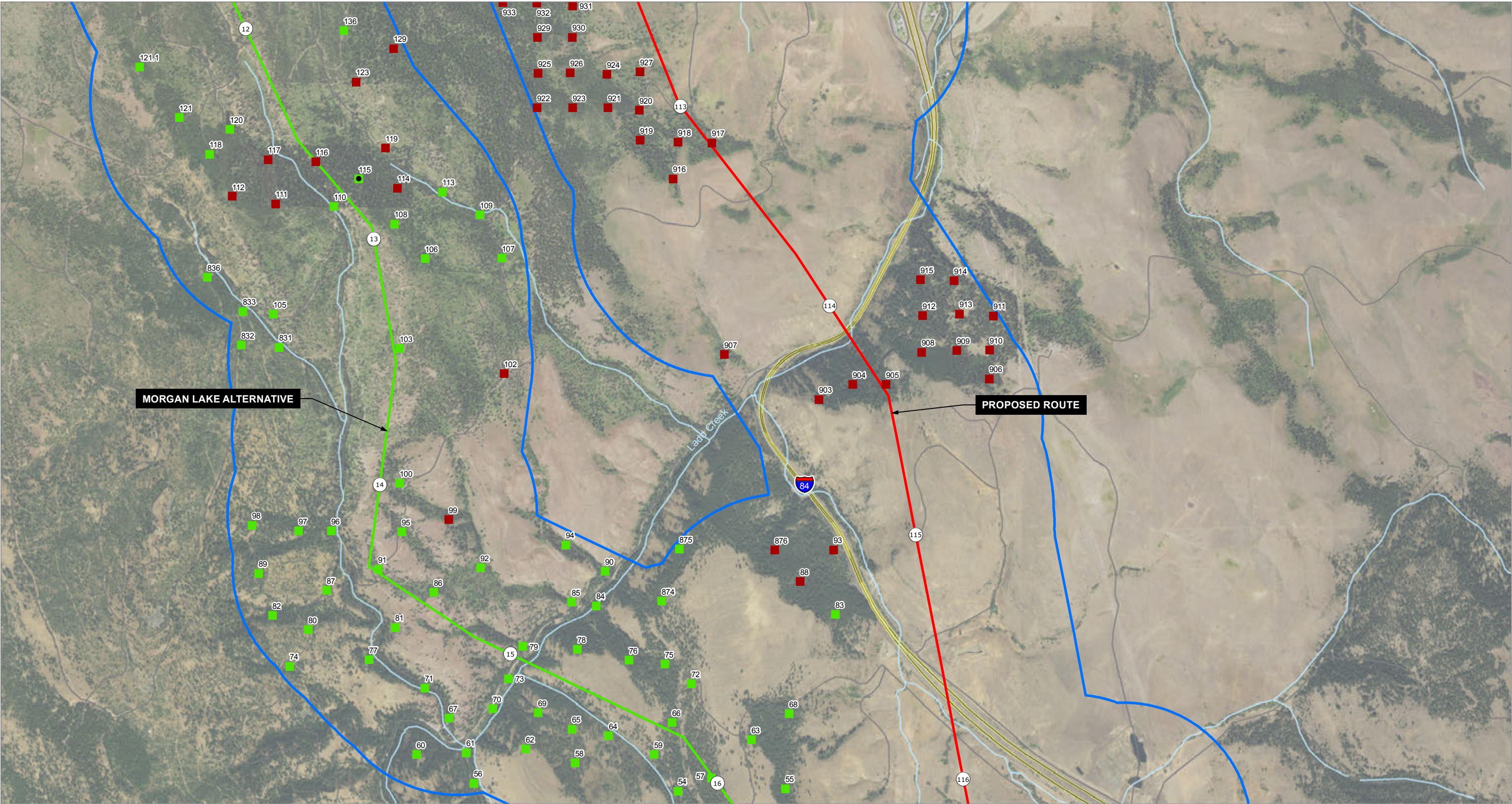
- Road
- Interstate Highway
- Rivers

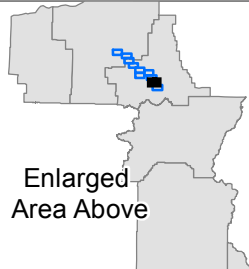


Boardman to Hemingway  
Transmission Line Project

**Northern Goshawk & American  
Three-toed Woodpecker  
Results**

Figure 8 of 10







**Project Features**

- Survey Area
- Milepost
- Proposed Route
- Alternative

**Calling Station (ID Number)**

- Survey Complete
- Survey Not Complete

**Auditory Results**

- Northern Goshawk

**Other Features**

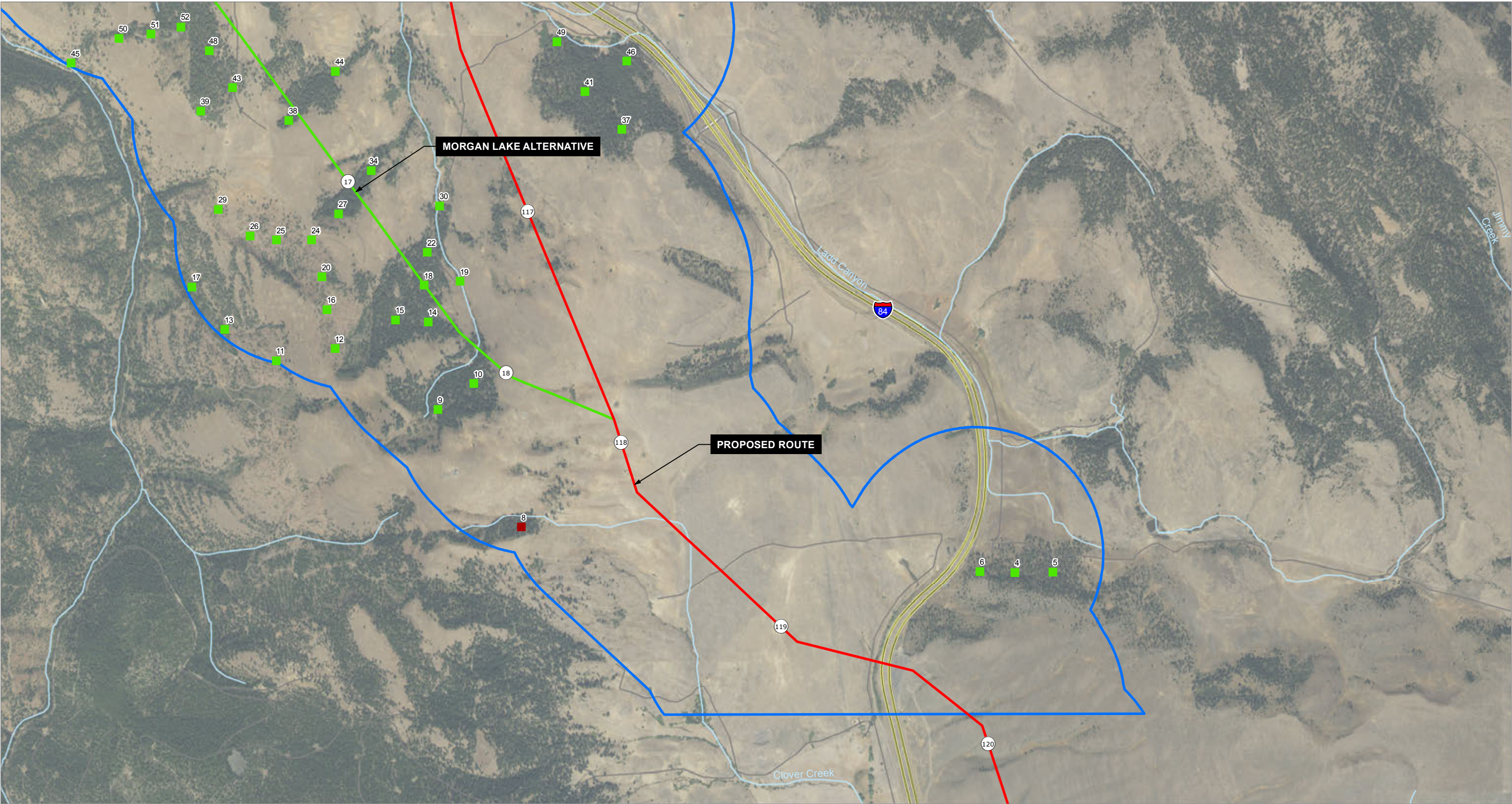
- Road
- Interstate Highway
- Rivers

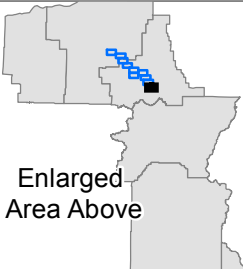



Boardman to Hemingway  
Transmission Line Project

**Northern Goshawk & American  
Three-toed Woodpecker  
Results**

Figure 9 of 10













Enlarged Area Above




**Project Features**

-  Survey Area
-  Milepost
-  Proposed Route
-  Alternative

**Calling Station (ID Number)**

-  Survey Complete
-  Survey Not Complete

**Other Features**

-  Road
-  Interstate Highway
-  Rivers

Boardman to Hemingway  
Transmission Line Project  
**Northern Goshawk & American  
Three-toed Woodpecker  
Results**

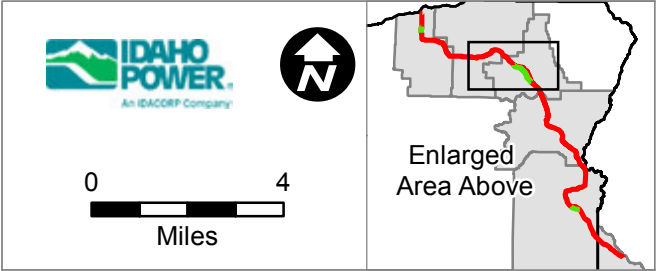
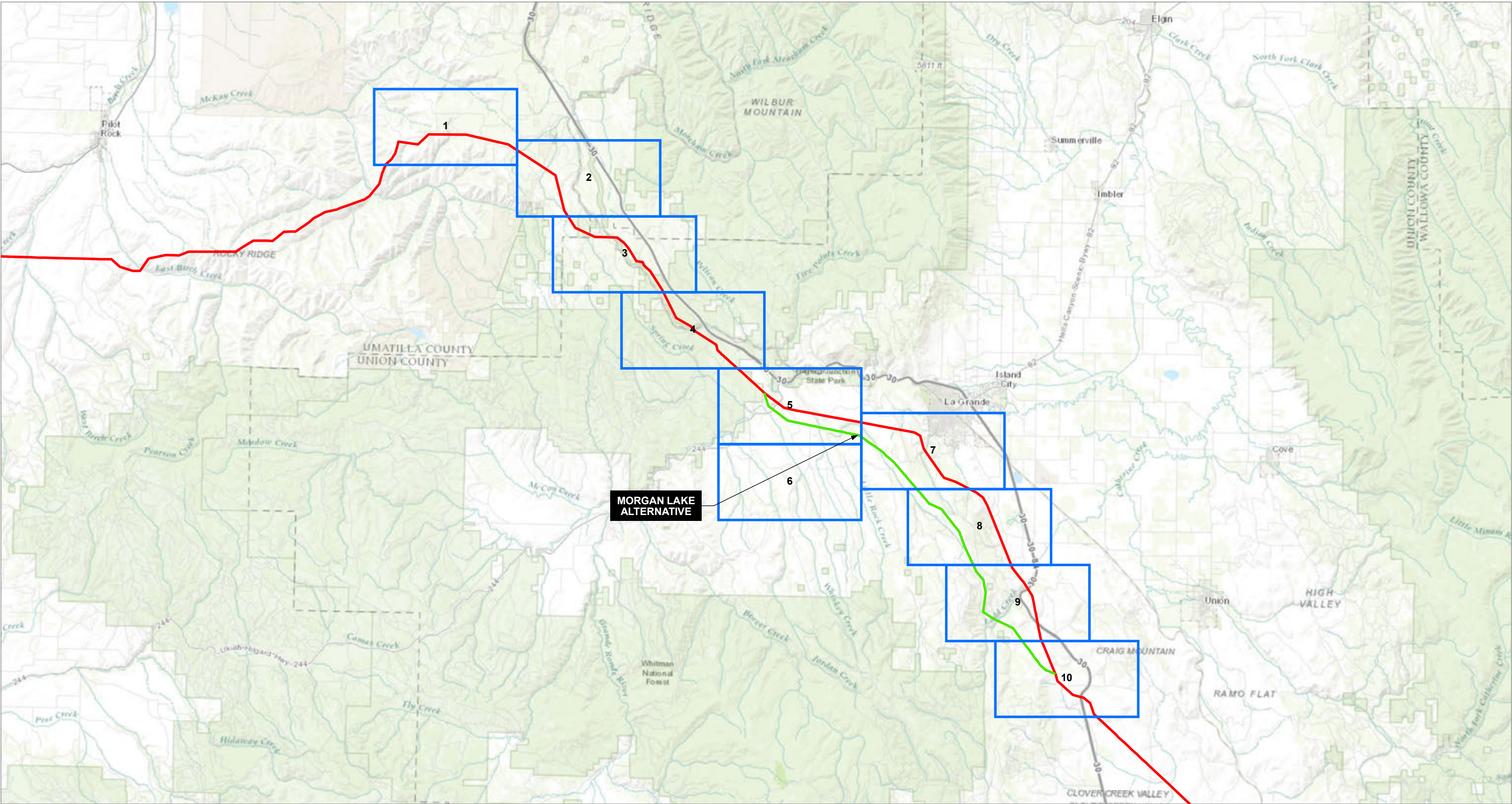
Figure 10 of 10



**Appendix 7**

**Great Gray Owl and**  
**Flammulated Owl Results Mapbook**





**Project Features**

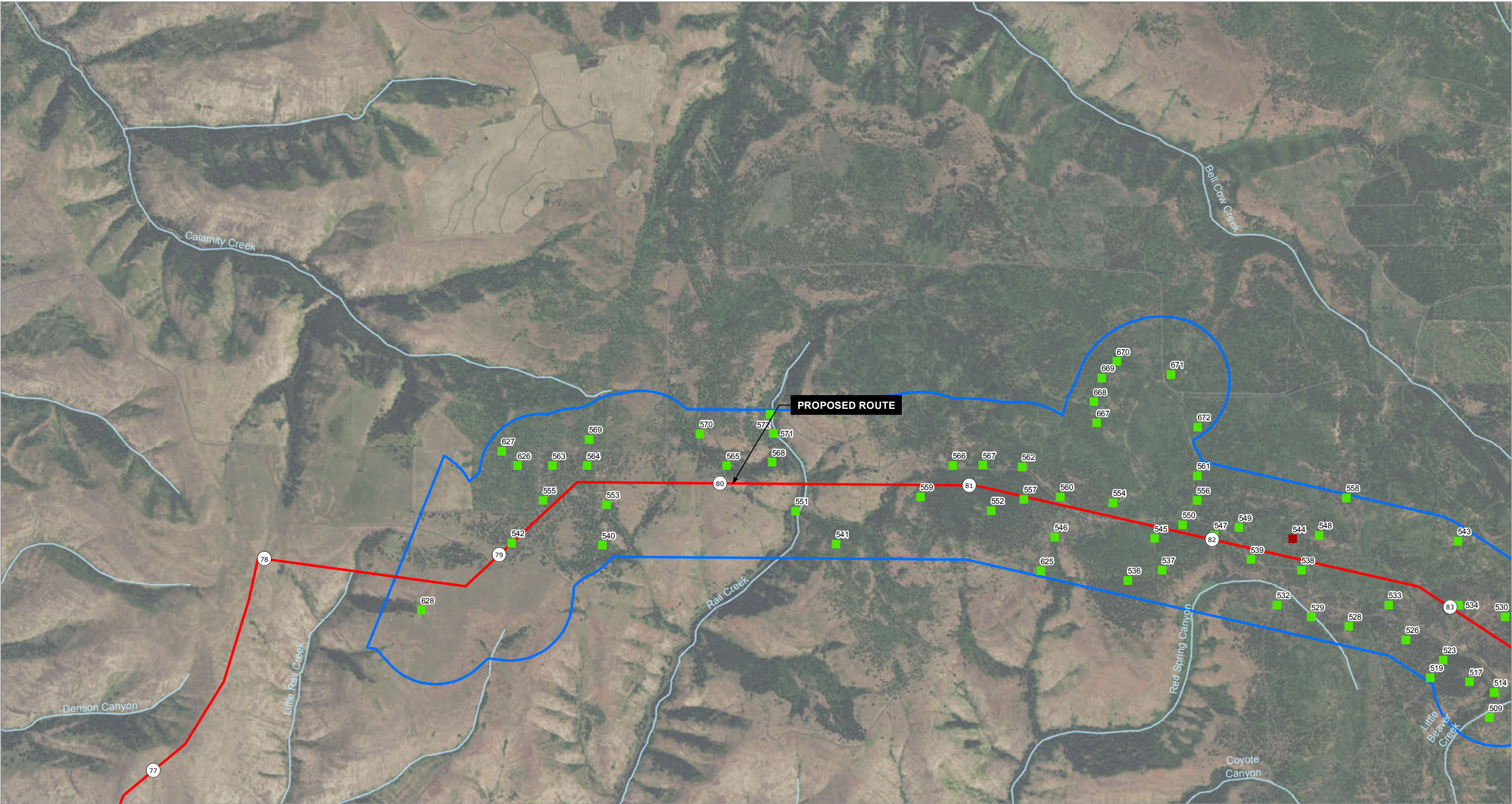
- Proposed Route
- Alternative

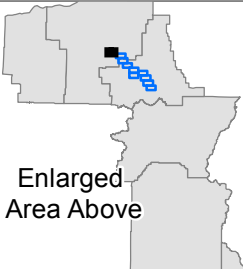



Index Map

Boardman to Hemingway  
Transmission Line Project

**Great Gray Owl &  
Flammulated Owl  
Overview Index**












Enlarged Area Above



**Project Features**

-  Survey Area
-  Milepost
-  Proposed Route

**Calling Station (ID Number)**

-  Survey Complete
-  Survey Not Complete

**Other Features**

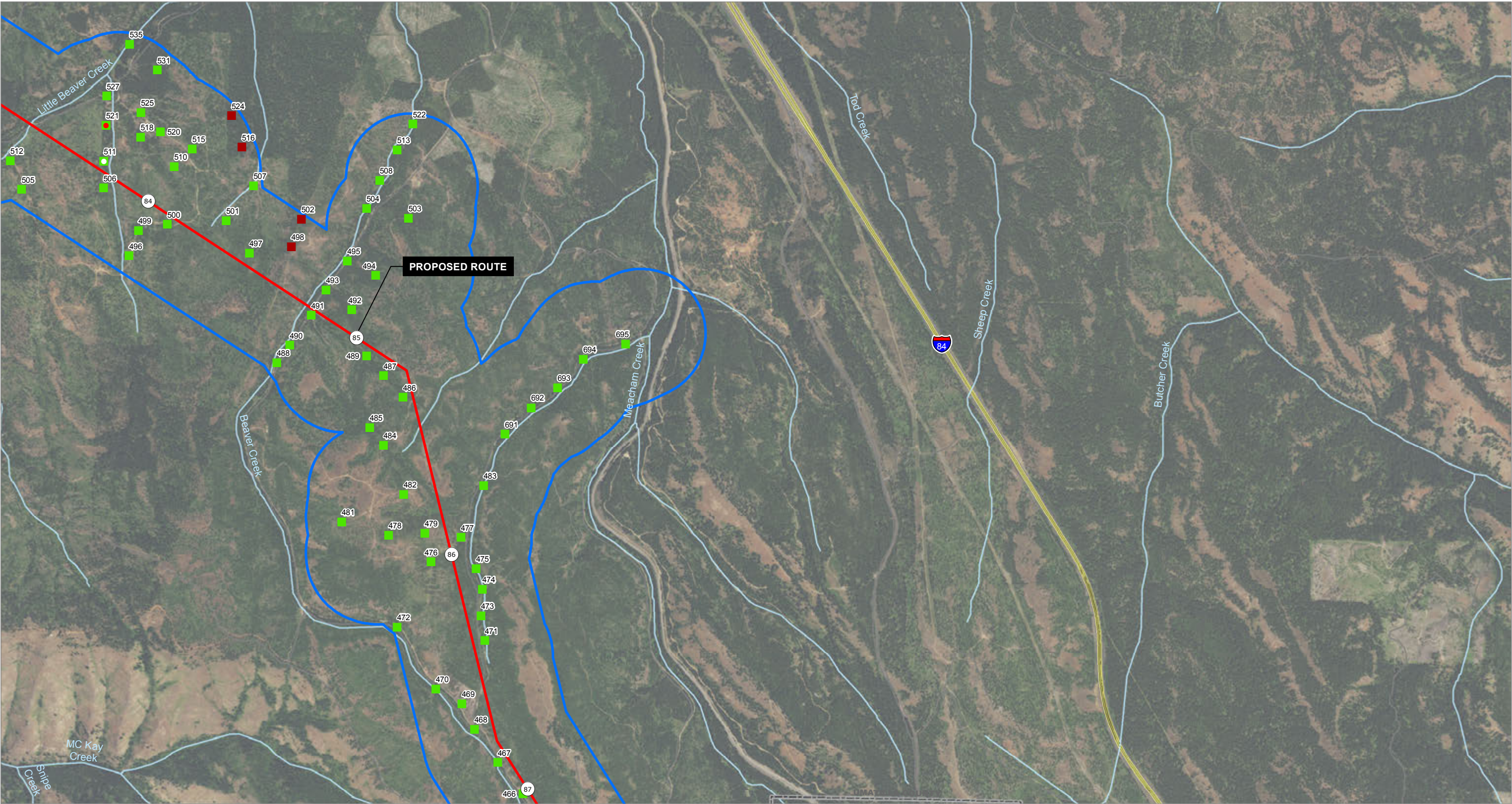
-  Road
-  Rivers

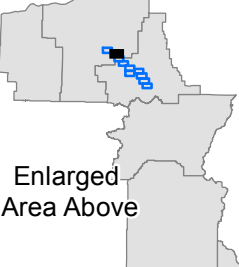



Boardman to Hemingway  
Transmission Line Project

**Great Gray Owl &  
Flammulated Owl  
Results**

Figure 1 of 10







Enlarged Area Above

**Project Features**

- Survey Area
- Milepost
- Proposed Route

**Calling Station (ID Number)**

- Survey Complete
- Survey Not Complete

**Auditory Results**

- Great Gray Owl
- Great Gray Owl (possible)

**Other Features**

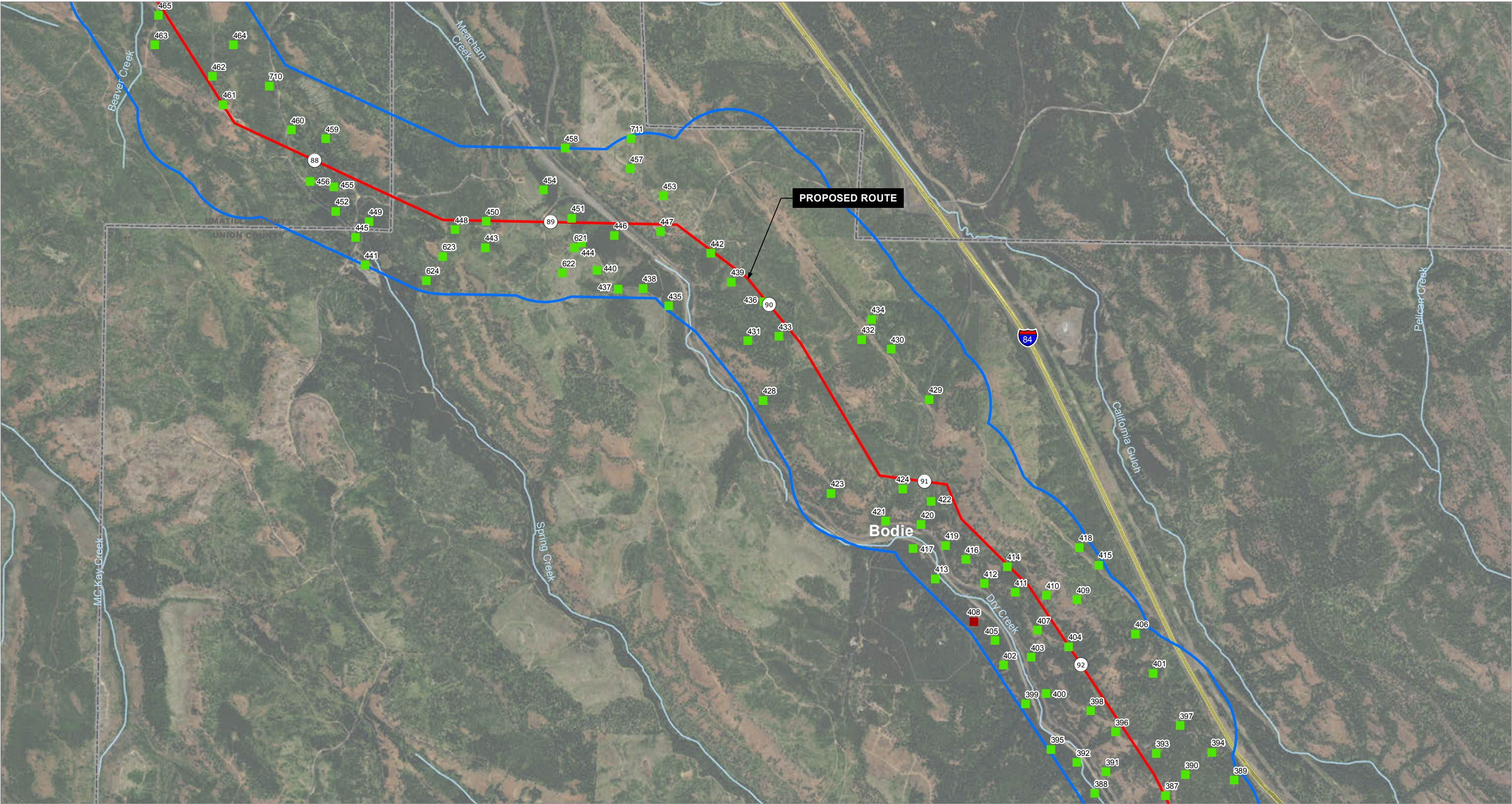
- Road
- Interstate Highway
- Rivers

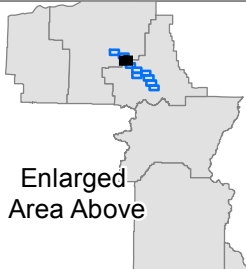


Boardman to Hemingway  
Transmission Line Project

**Great Gray Owl &  
Flammulated Owl  
Results**

Figure 2 of 10







Enlarged Area Above

0 2,000 Feet

**Project Features**

- Survey Area
- Milepost
- Proposed Route

**Calling Station (ID Number)**

- Survey Complete
- Survey Not Complete

**Other Features**

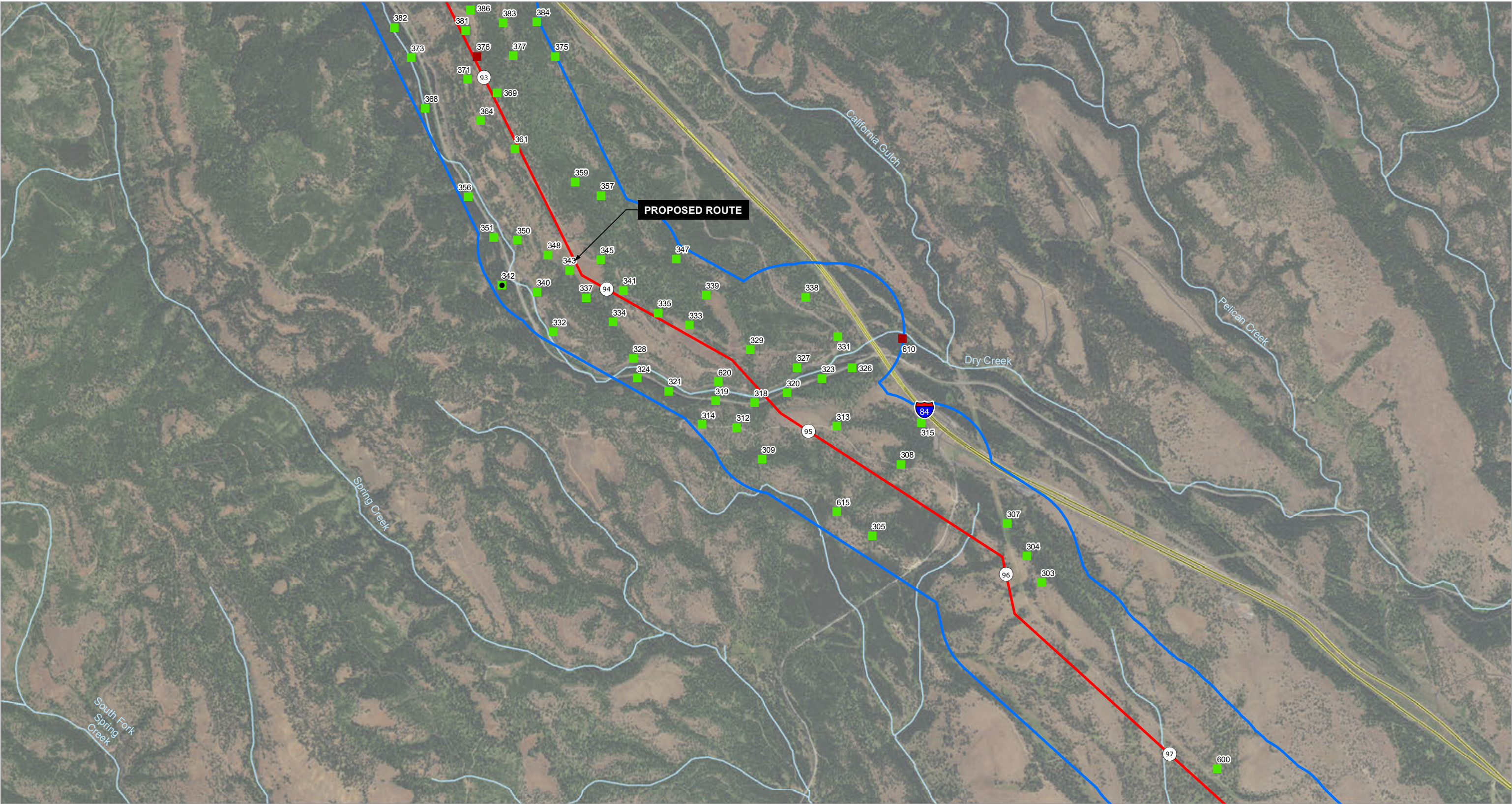
- Road
- Interstate Highway
- Rivers

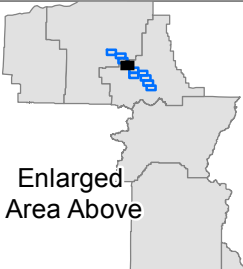



Boardman to Hemingway  
Transmission Line Project

**Great Gray Owl &  
Flammulated Owl  
Results**

Figure 3 of 10












Enlarged Area Above


**Project Features**

-  Survey Area
-  Milepost
-  Proposed Route




**Calling Station (ID Number)**

-  Survey Complete
-  Survey Not Complete

**Auditory Results**

-  Flammulated Owl

**Other Features**

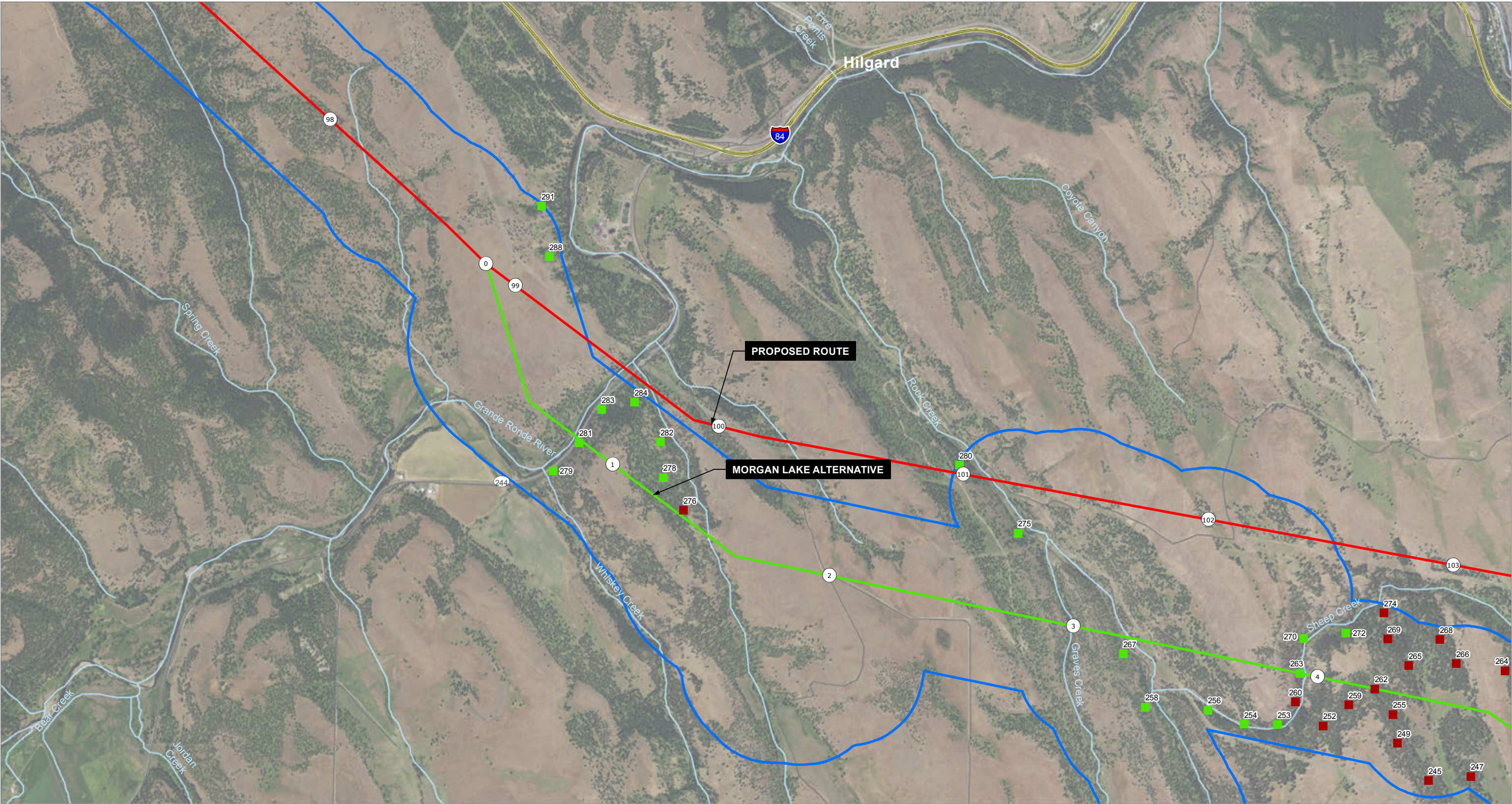
-  Road
-  Interstate Highway
-  Rivers

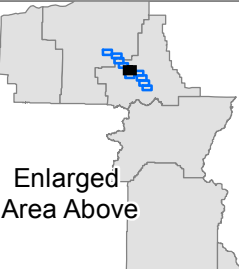


Boardman to Hemingway  
Transmission Line Project

**Great Gray Owl &  
Flammulated Owl  
Results**

Figure 4 of 10







Enlarged Area Above

0 2,000 Feet

**Project Features**

- Survey Area
- Milepost
- Proposed Route
- Alternative

**Calling Station (ID Number)**

- Survey Complete
- Survey Not Complete

**Other Features**

- Road
- Interstate Highway
- Rivers

Boardman to Hemingway  
Transmission Line Project

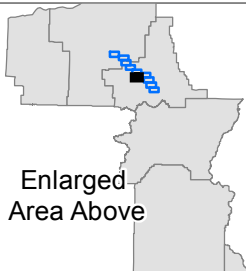
**Great Gray Owl &  
Flammulated Owl  
Results**

Figure 5 of 10






0 2,000  
Feet



**Project Features**

 Survey Area

**Other Features**

 Road

 Rivers

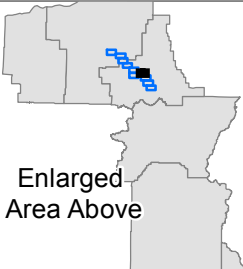



Boardman to Hemingway  
Transmission Line Project

**Great Gray Owl &  
Flammulated Owl  
Results**

Figure 6 of 10







Enlarged Area Above

**Project Features**

- Survey Area
- Milepost
- Proposed Route
- Alternative

**Calling Station (ID Number)**

- Survey Not Complete

**Other Features**

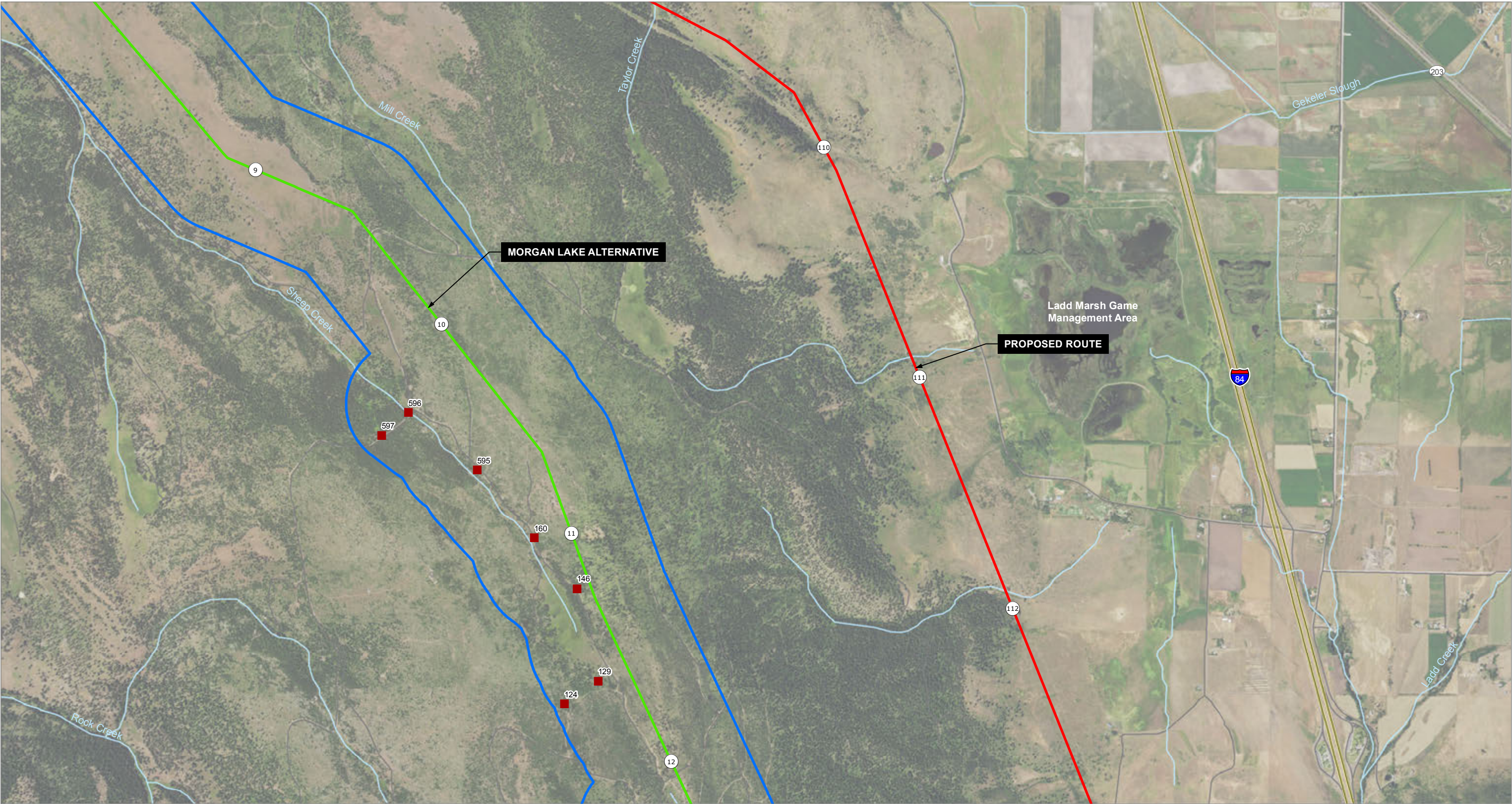
- Road
- Interstate Highway
- US and State Highway
- Rivers

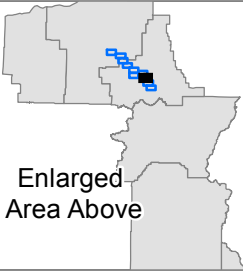



Boardman to Hemingway  
Transmission Line Project

**Great Gray Owl &  
Flammulated Owl  
Results**

Figure 7 of 10







Enlarged Area Above

**Project Features**

- Survey Area
- Milepost
- Proposed Route
- Alternative

**Calling Station (ID Number)**

- Survey Not Complete

**Other Features**

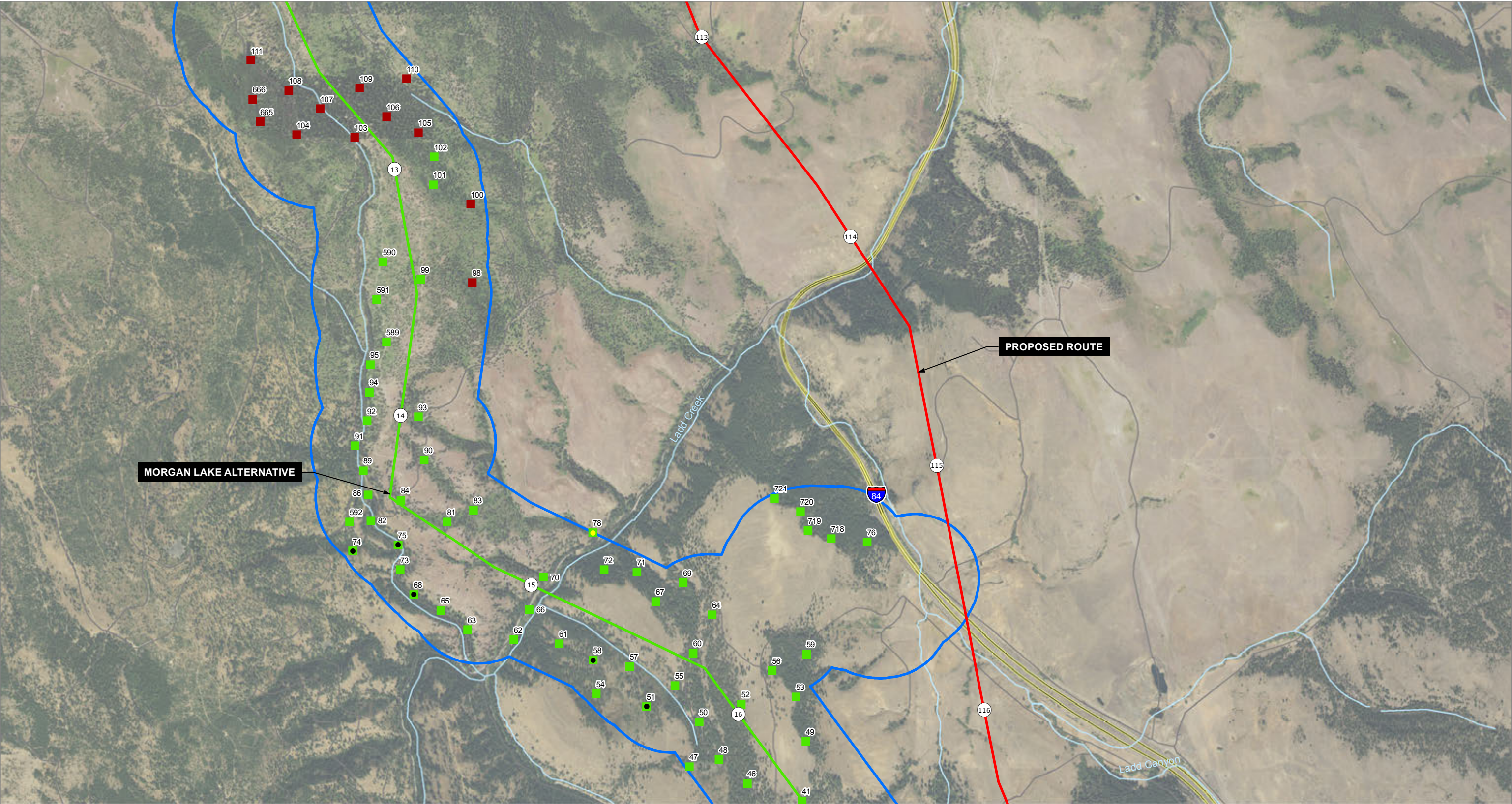
- Road
- Interstate Highway
- Rivers

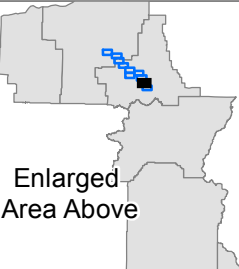


Boardman to Hemingway  
Transmission Line Project

**Great Gray Owl &  
Flammulated Owl  
Results**

Figure 8 of 10







0 2,000 Feet

**Project Features**

- Survey Area
- Milepost
- Proposed Route
- Alternative

**Calling Station (ID Number)**

- Survey Complete
- Survey Not Complete

**Auditory Results**

- Flammulated Owl
- Flammulated Owl (possible)

**Other Features**

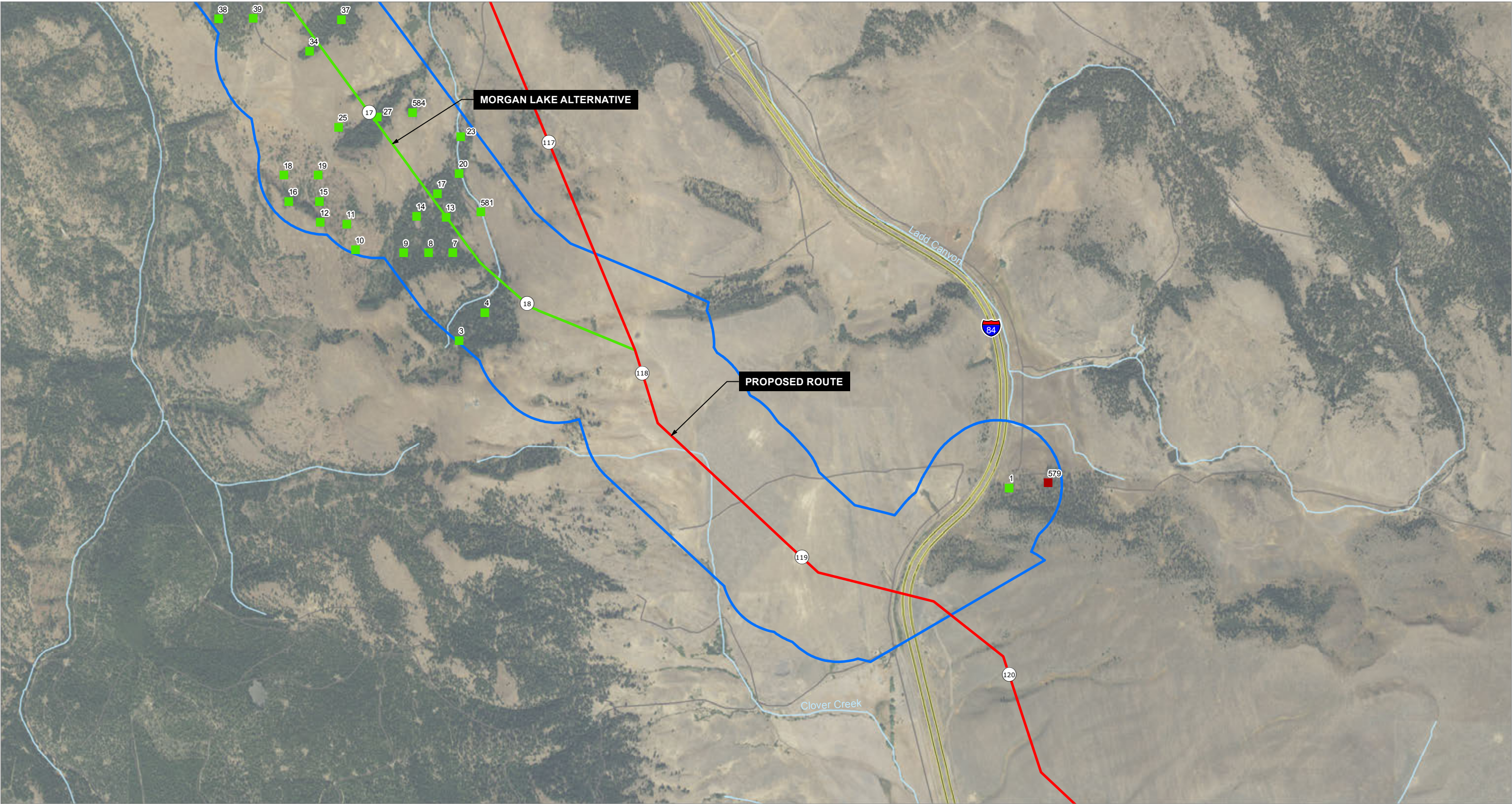
- Road
- Interstate Highway
- Rivers

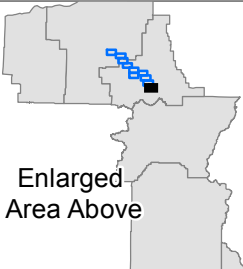



Boardman to Hemingway  
Transmission Line Project

**Great Gray Owl &  
Flammulated Owl  
Results**

Figure 9 of 10







Enlarged Area Above

**Project Features**

- Survey Area
- Milepost
- Proposed Route
- Alternative

**Calling Station (ID Number)**

- Survey Complete
- Survey Not Complete

**Other Features**

- Road
- Interstate Highway
- Rivers

Boardman to Hemingway  
Transmission Line Project

**Great Gray Owl &  
Flammulated Owl  
Results**

Figure 10 of 10