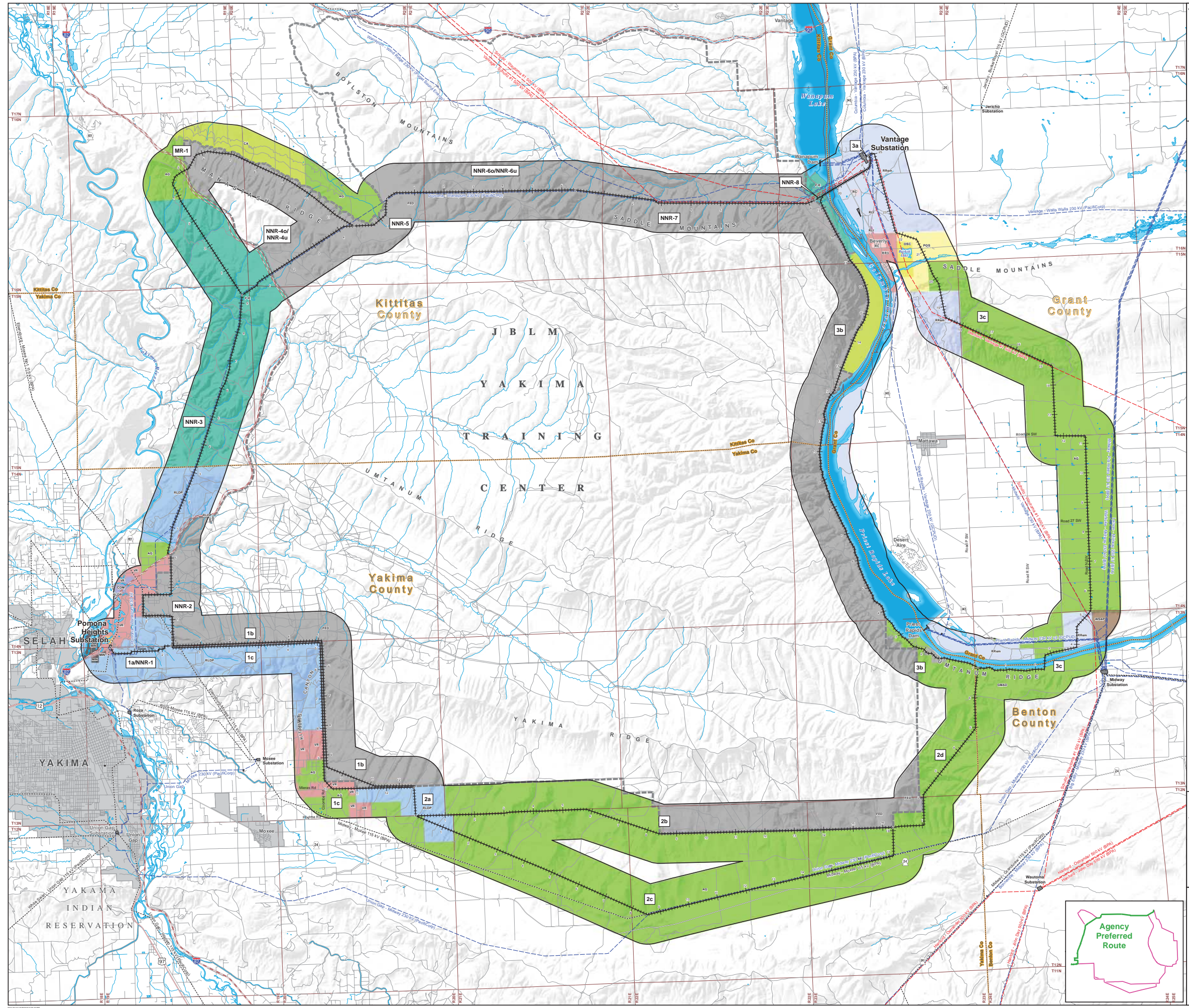


APPENDIX A PROJECT MAPS

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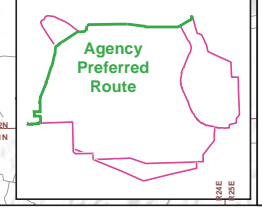
Zoning



- Legend**
- Project Features**
- Route Segment
 - Study Corridor (2 miles)
- Zoning by County**
- Benton County Zoning**
- Growth Management Act Agricultural District (GMAD)
- Grant County**
- Zones**
- Agriculture (AG)
 - Open Space Conservation (OSC)
 - Public Open Space (POS)
 - Rural Community (RC)
 - Rural Light Industrial (RLI)
 - Rural Remote (RRem)
 - Rural Residential 3 (RR3)
- Other**
- Wahluke SubArea Plan (WSAP)
- Kittitas County**
- Zones**
- Agriculture (AG)
 - Commercial Agriculture (CA)
 - Forest & Range (F-R)
- Yakima County Zoning**
- Zones**
- Agriculture (AG)
 - Industrial (I)
 - Mining (MIN)
 - Remote/Extremely Limited Development Potential (RLDP)
 - Valley Rural (VR)
- Existing Utility Features**
- 500 kV Transmission Line
 - 230 kV Transmission Line
 - 115 kV Transmission Line
 - Substation
- Boundaries**
- County
 - Township
 - City Limits
 - JBLM Yakima Training Center
- Transportation**
- Interstate Highway
 - US Highway
 - State Highway
 - Local Access Road
- Water Features**
- River or Perennial Stream
 - Water Body

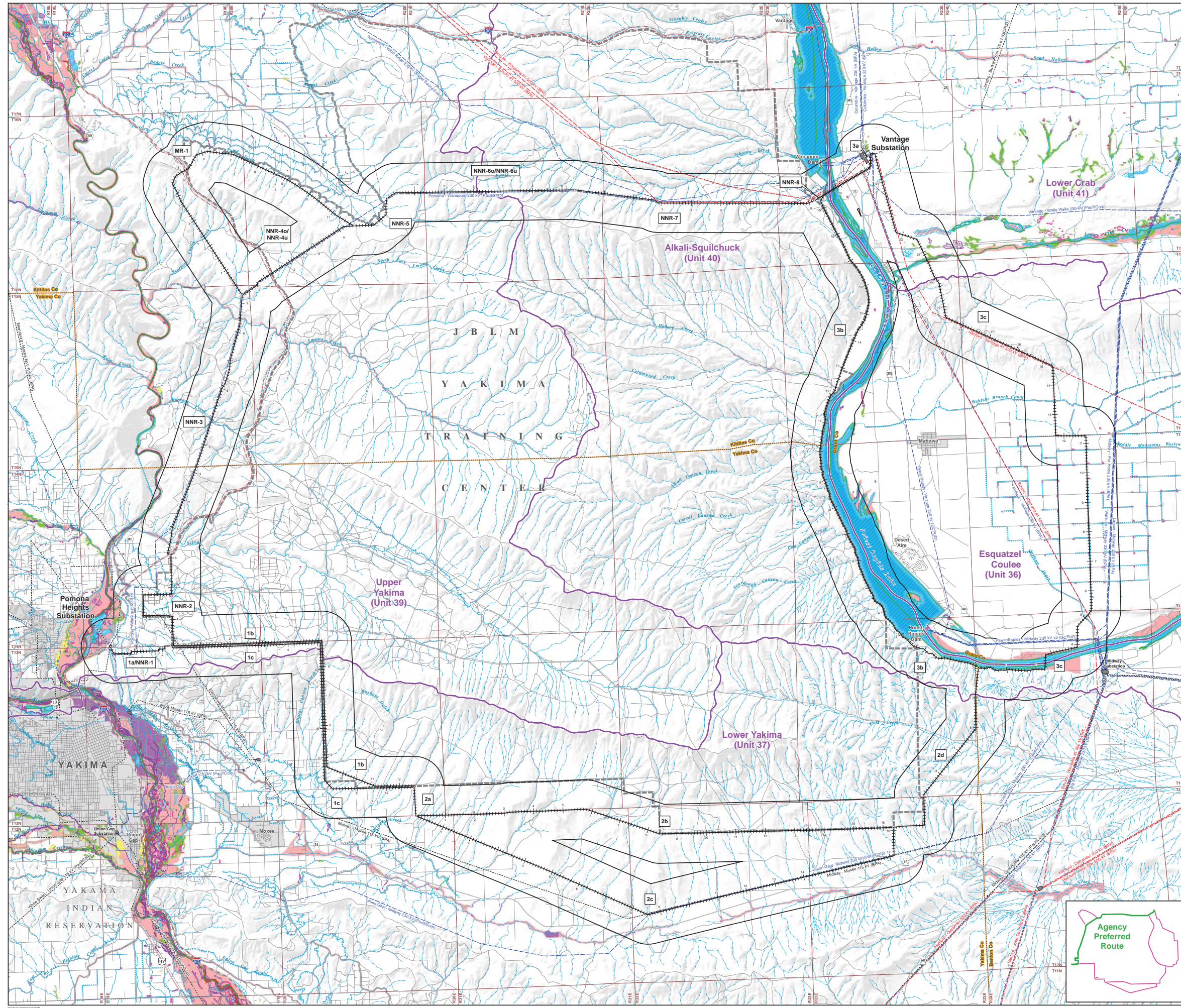


Data are projected in UTM Zone 18N, NAD83



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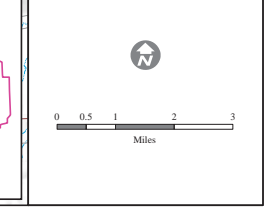
Water Resources and Wetlands



- Legend**
- Project Features**
 - Route Segment
 - Study Corridor (2 miles)
 - National Wetland Inventory**
 - Freshwater Emergent Wetland
 - Freshwater Forested or Shrub Wetland
 - Freshwater Pond
 - Lake
 - Riverine
 - National Hydrography Dataset**
 - Intermittent Stream
 - Perennial Stream or River
 - Canal or Ditch
 - Pipeline
 - State Hydrological Boundaries**
 - Water Resource Inventory Area
 - Adopted Shoreline Boundary
 - Dam
 - FEMA Flood Data**
 - 100 year Floodplain
 - 500 year Floodplain
 - Area protected by levee
 - Existing Utility Features**
 - 500 kV Transmission Line
 - 230 kV Transmission Line
 - 115 kV Transmission Line
 - Substation
 - Boundaries**
 - County
 - Township
 - City Limits
 - JBLM Yakima Training Center
 - Transportation**
 - Interstate Highway
 - US Highway
 - State Highway
 - Local Access Road
 - Water Features**
 - Water Body

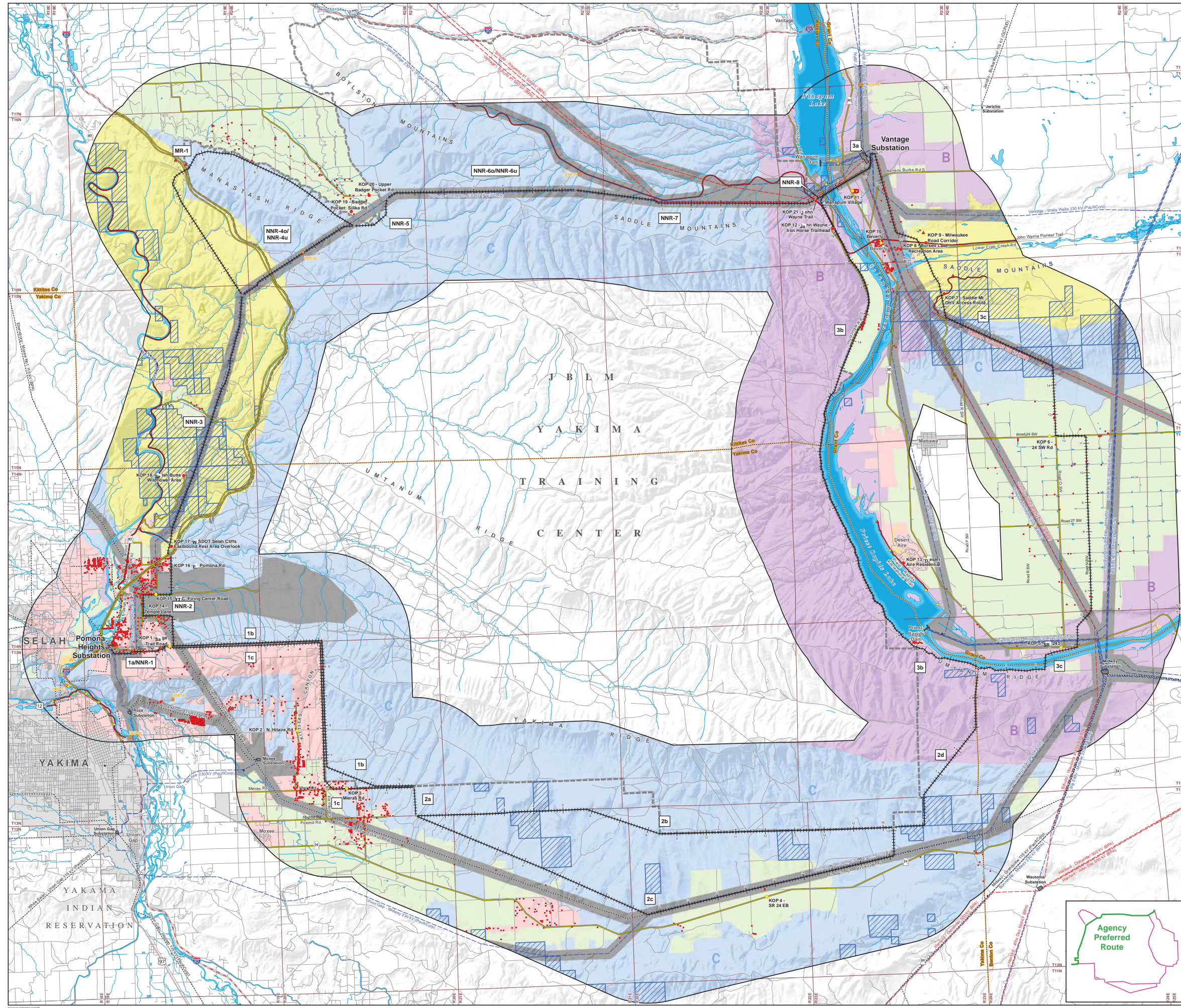


Data are projected in UTM Zone 10N, NAD83



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Visual Resources



Legend

Project Features

- Route Segment
- Study Corridor (6 miles)

Visual Resources

- Interim BLM VRM Class III

Sensitive Viewers

- High Sensitivity - Residence
- High Sensitivity
- Moderate Sensitivity

Key Observation Points (KOP) and Inventory

KOPs

- High Sensitivity
- Moderate Sensitivity
- Inventory Observation Point (IOP)

Scenic Quality

- A
- B
- C

Development Character Areas

- Industrial/Utility
- Developed Parkland
- Agriculture
- Residential

Existing Utility Features

- 500 kV Transmission Line
- 230 kV Transmission Line
- 115 kV Transmission Line
- Substation

Boundaries

- County
- Township
- City Limits
- JBLM Yakima Training Center

Transportation

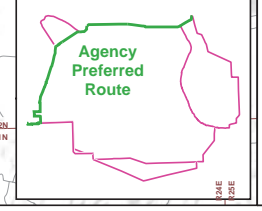
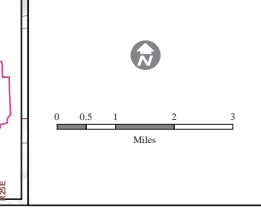
- Interstate Highway
- US Highway
- State Highway
- Local Access Road

Water Features

- River or Perennial Stream
- Water Body

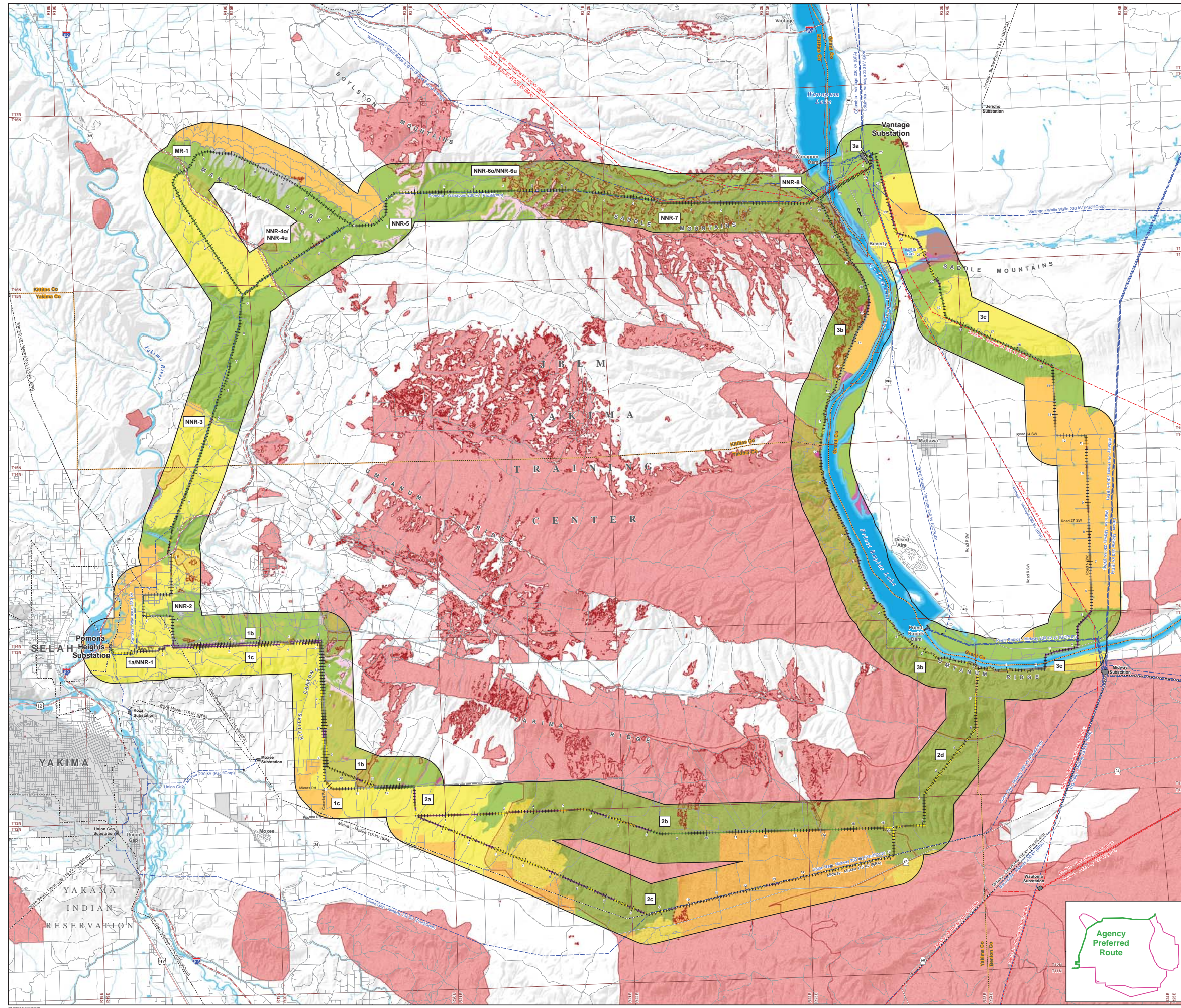


Data are projected in UTM Zone 10N, NAD83



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Vegetation & Fire History



- Legend**
- Project Features**
- Route Segment
 - Study Corridor (2 miles)
- Vegetation**
- GAP Analysis**
- Agriculture
 - Annual Grassland
 - Riparian
 - Sagebrush/Perennial Grassland
 - Sagebrush/Annual Grassland
 - Water
- YTC Vegetation**
- Disturbed
 - Forb
 - Perennial Grassland
 - Riparian
 - Sagebrush/Perennial Grassland
- POWER Vegetation:** Interpend within 160 feet corridor from field work and aerial photography
- General location of botanical right-of-way survey completed on federal lands
 - Agriculture
 - Annual Grassland
 - Aspen
 - Bitterbrush/Perennial Grassland
 - Developed/Disturbed/Firebreak
 - Forb
 - Intermittent Stream or Dry Gully
 - Noxious Weeds
 - Open Water/Canal
 - Perennial Grassland
 - Rabbitbrush/Annual Grassland
 - Riparian/Wetland
 - Rock/Basalt Cliffs
 - Sagebrush/Annual Grassland
 - Sagebrush/Perennial Grassland
 - Trees
- Fire History**
- Fire Data 1987-2016
 - Inside Corridor/Outside Corridor
- Existing Utility Features**
- 500 kV Transmission Line
 - 230 kV Transmission Line
 - 115 kV Transmission Line
 - Substation
- Boundaries**
- County
 - Township
 - City Limits
 - JBLM Yakima Training Center
- Transportation**
- Interstate Highway
 - US Highway
 - State Highway
 - Local Access Road
- Water Features**
- River or Perennial Stream
 - Water Body



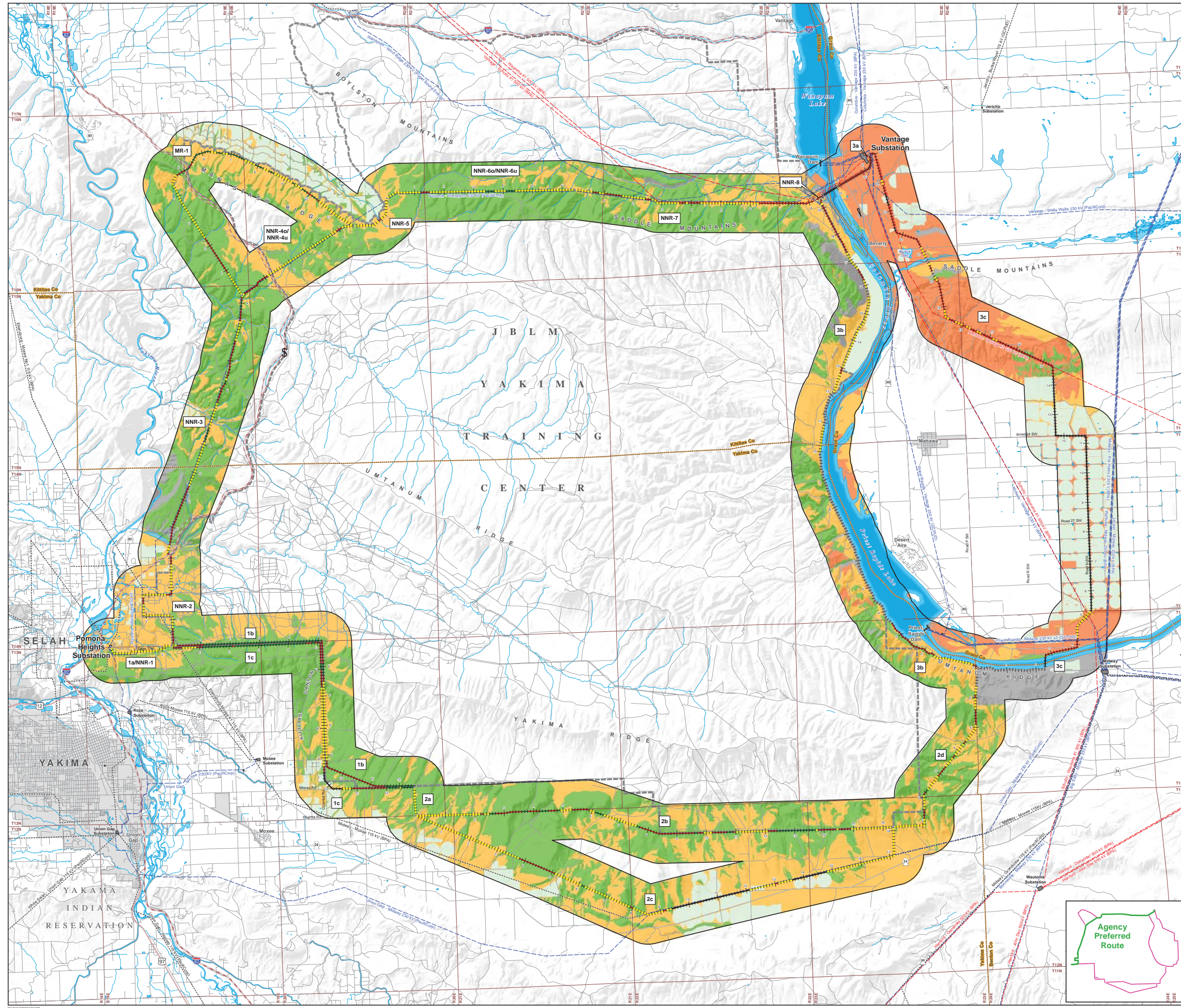
Data are projected in UTM Zone 10N, NAD83

Agency Preferred Route

Miles

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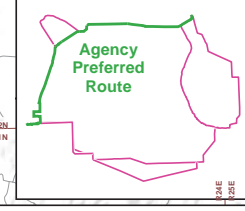
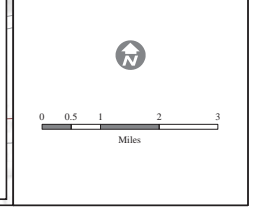
Soil Erosion Potential by Wind



- Legend**
- Project Features**
 - Route Segment
 - Study Corridor (2 miles)
 - Soil Restoration Potential**
 - High Potential
 - Moderate Potential
 - Low Potential
 - Not Rated
 - Not Applicable
 - Soil Erosion Potential by Wind**
 - Low Risk Factor
 - Moderate Risk Factor
 - High Risk Factor
 - Not rated or Not Available
 - Agricultural Area
 - Existing Utility Features**
 - 500 kV Transmission Line
 - 230 kV Transmission Line
 - 115 kV Transmission Line
 - Substation
 - Boundaries**
 - County
 - Township
 - City Limits
 - JBLM Yakima Training Center
 - Transportation**
 - Interstate Highway
 - US Highway
 - State Highway
 - Local Access Road
 - Water Features**
 - River or Perennial Stream
 - Water Body

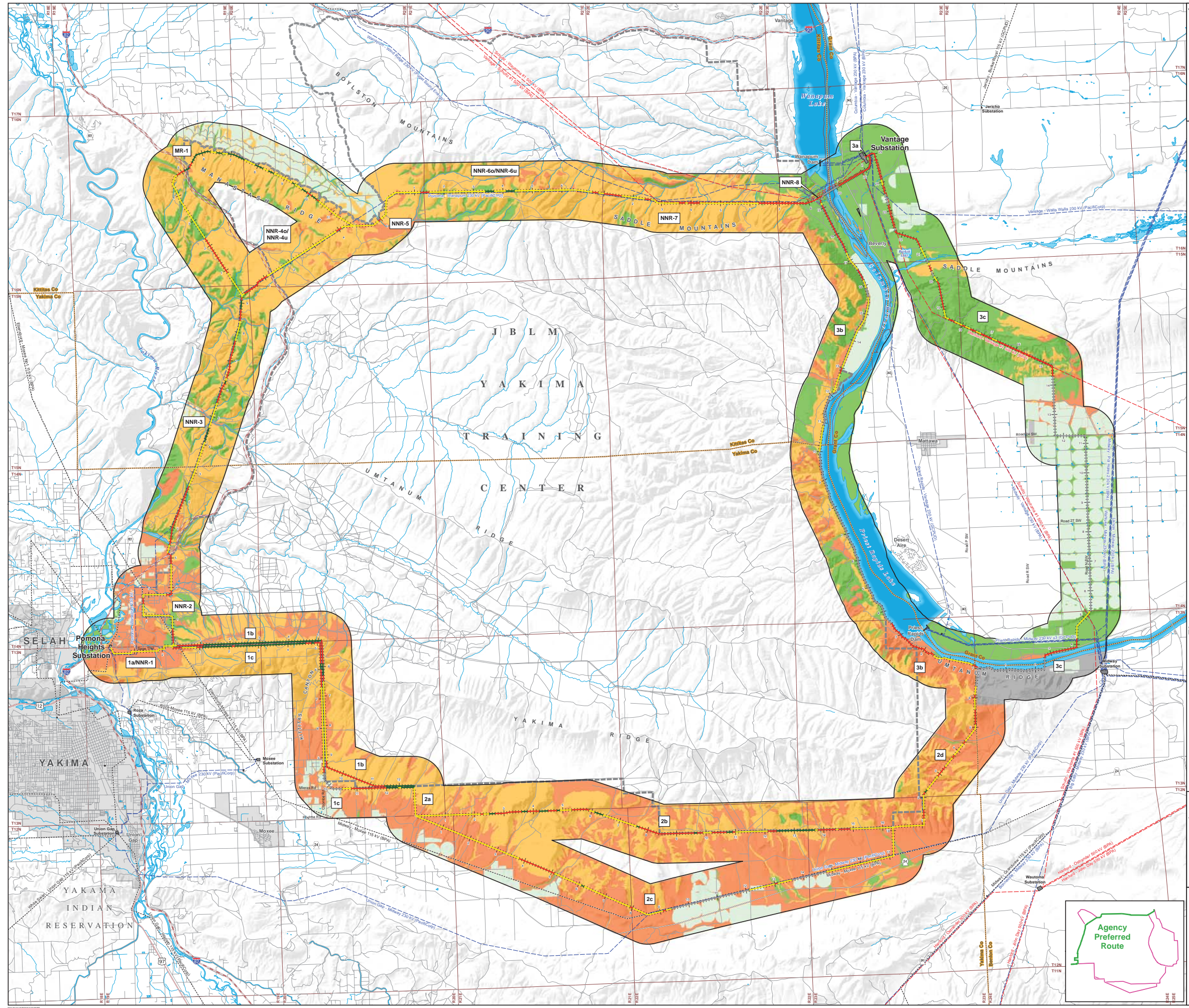


Data are projected in UTM Zone 10N, NAD83



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Soil Erosion Potential by Water



Legend

Project Features

- Route Segment
- Study Corridor (2 miles)

Soil Restoration Potential

- High Potential
- Moderate Potential
- Low Potential
- Not Rated
- Not Applicable

Soil Erosion Potential by Water

- Low Risk Factor
- Moderate Risk Factor
- High Risk Factor
- Not rated or Not Available

Existing Utility Features

- 500 kV Transmission Line
- 230 kV Transmission Line
- 115 kV Transmission Line
- Substation

Boundaries

- County
- Township
- City Limits
- JBLM Yakima Training Center

Transportation

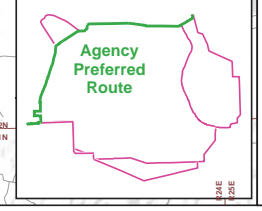
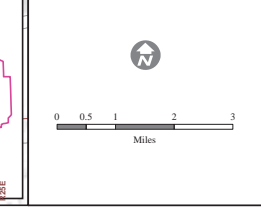
- Interstate Highway
- US Highway
- State Highway
- Local Access Road

Water Features

- River or Perennial Stream
- Water Body



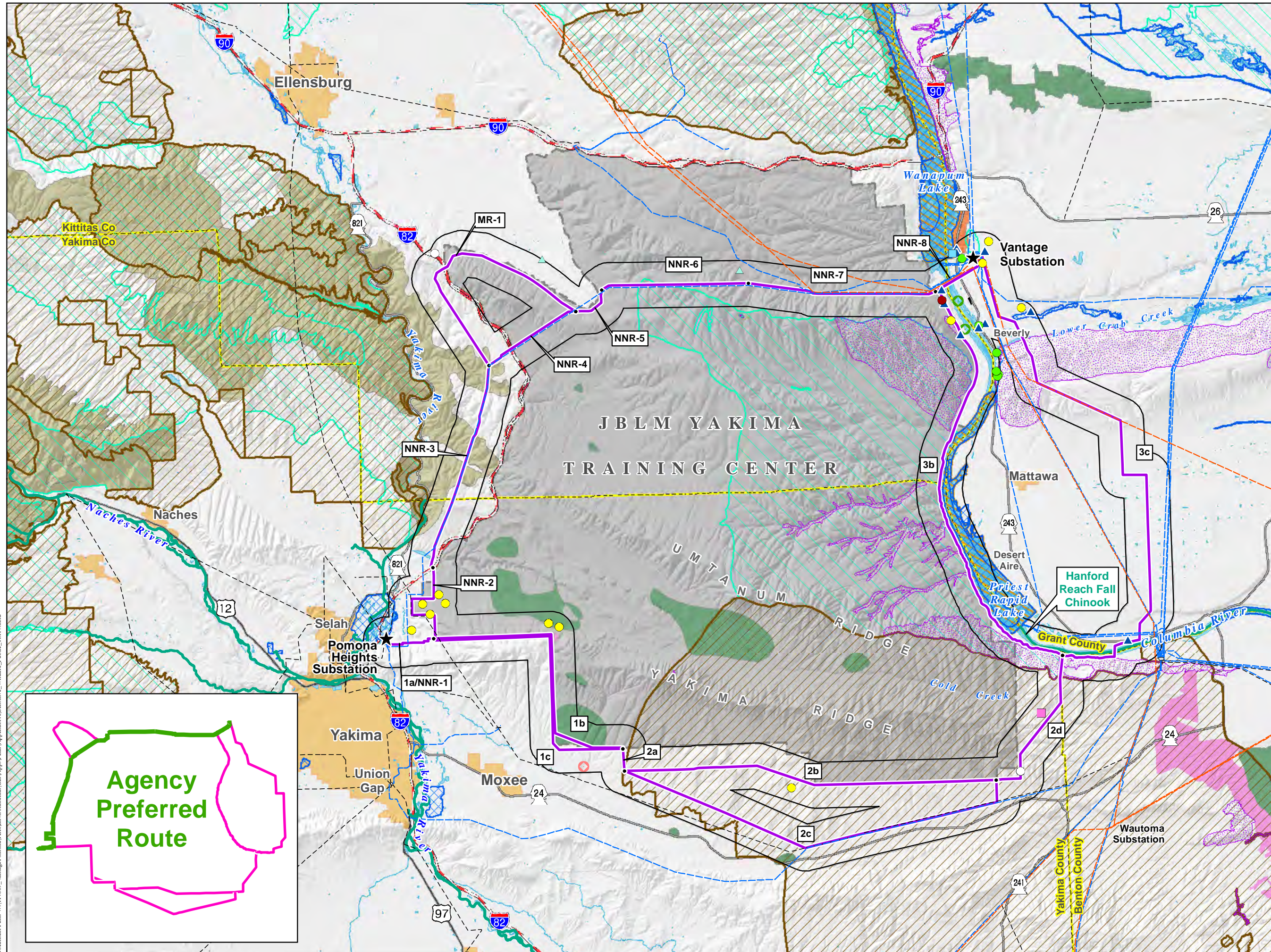
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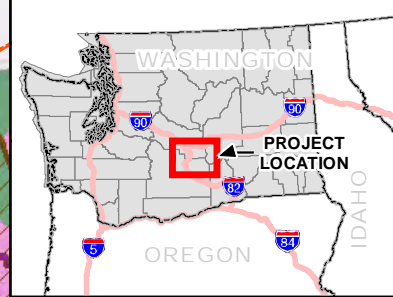
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Sensitive Wildlife Species

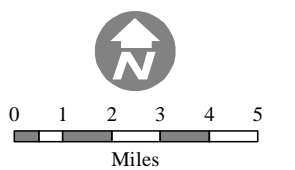
- Legend**
- Project Features**
- Route Segment
 - Study Corridor (2 miles)
 - Project Substation
- Existing Utility Features**
- 500 kV Transmission Line
 - 230 kV Transmission Line
 - 115 kV Transmission Line
 - Substation
- PHS Species Data**
- Due to the sensitive nature of the wildlife location data, some species or types of locations are not shown. All data shown is at 1:250,000.
- PHS Species Points**
- Black-tailed jackrabbit
 - White-tailed jackrabbit
 - Jackrabbit spp.
 - Leopard dace
 - Loggerhead shrike
 - Merriam's shrew
 - Night snake
 - Sagebrush lizard
- PHS Species Location Polygons**
- American white pelican
 - Long-billed curlew
- Priority Species Regional Location Area**
- Bighorn Sheep
 - Chukar
 - Common Loon
 - Elk
 - Loggerhead Shrike
 - Long-billed curlew
 - Mule Deer
 - Striped Whipsnake
 - Waterfowl Concentrations
- WA Department of Fish and Wildlife**
- Salmonid Stock Inventory
- Transportation**
- Interstate Highway
 - US Highway
 - State Highway
- Boundaries**
- County
 - City Limits
 - JBLM Yakima Training Center



Agency Preferred Route

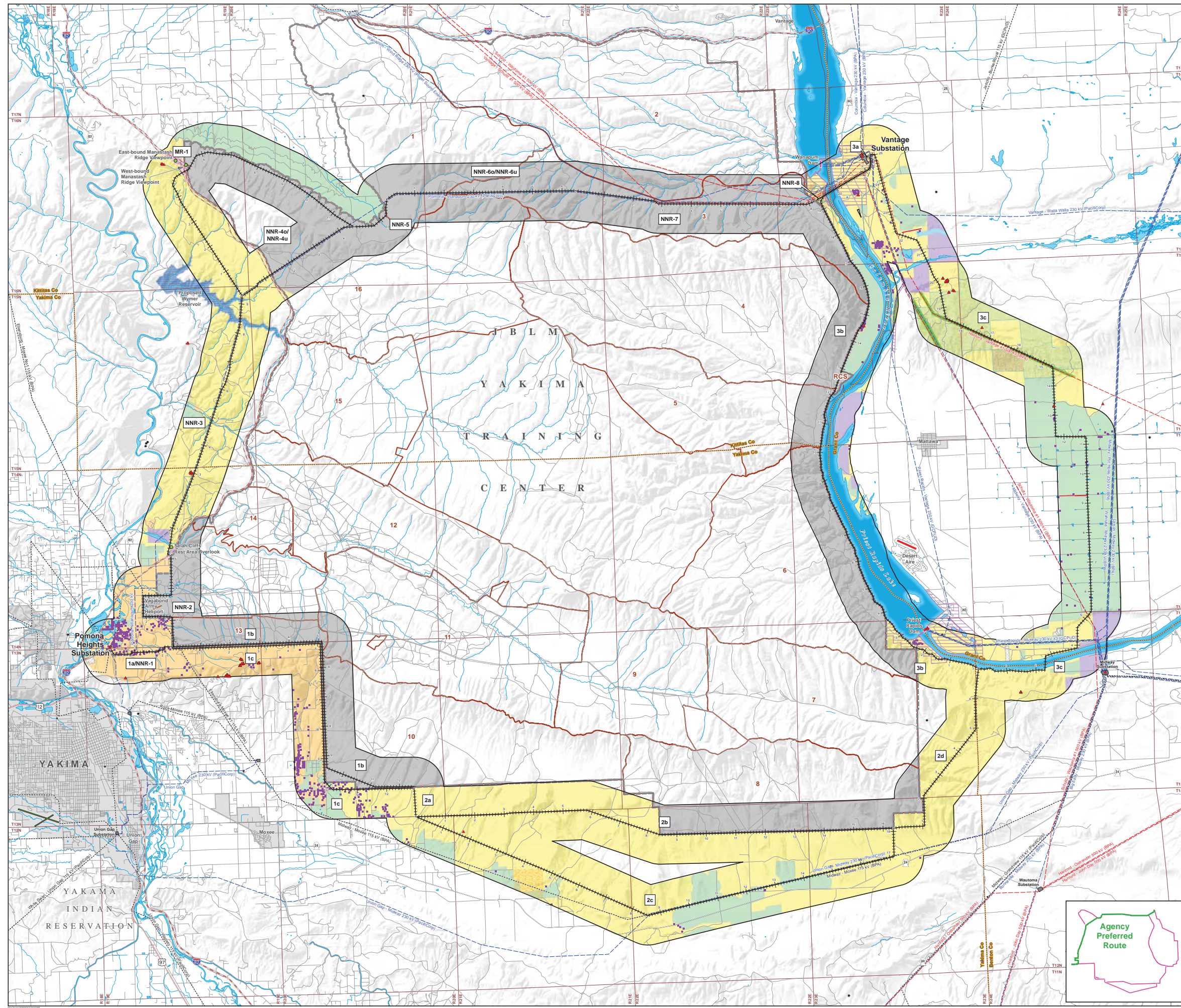


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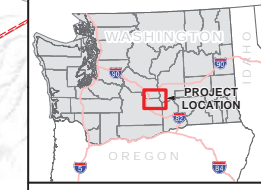


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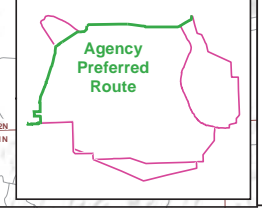
Land Use



- Project Features**
 - Route Segment
 - Study Corridor (2 miles)
- Land Use Features**
 - Oil or Gas Well
 - FCC Communication Tower
 - Grant County PUD Land Designation: Project Facility
 - Urban Growth Area
- Residences**
 - Residence
- Leases**
 - BLM or State Grazing
 - BLM Oil & Gas
 - BLM Wind Energy Facility
 - State Irrigated Agriculture
- Existing Land Use**
 - Residential
 - Irrigated Cropland
 - Undeveloped Grazing/Vacant
 - Recreation/Conservation
 - Transportation
 - Yakima Training Center
 - BLM Designated Utility Corridor (200 ft minimum width)
- Existing Utility Features**
 - Gravel Mine
 - 500 kV Transmission Line
 - 230 kV Transmission Line
 - 115 kV Transmission Line
 - Substation
 - Dam
- Boundaries**
 - County
 - Township
 - City Boundary
 - JBLM Yakima Training Center
 - JBLM YTC Training Area
- Transportation**
 - WSDOT Rest Area
 - Interstate Highway
 - US Highway
 - State Highway
 - Local Access Road
 - Public Airport
 - Private Airstrip
 - Vagabond Army Helipoint
- Water Features**
 - River or Perennial Stream
 - Water Body
 - Proposed Wymer Reservoir

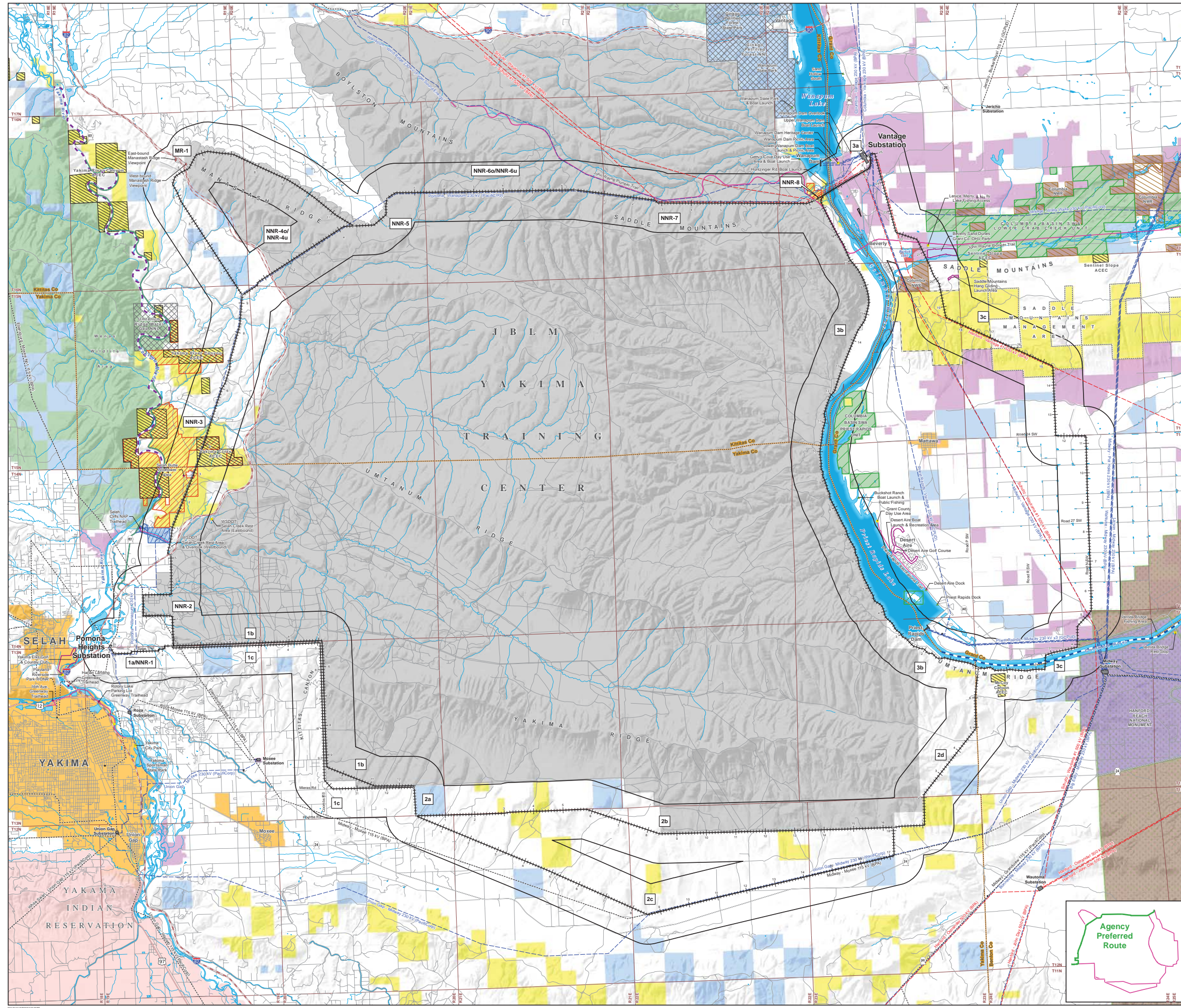


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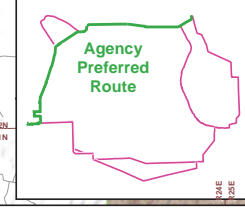
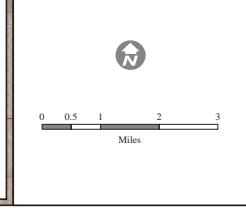
Jurisdiction, Recreation, and Special Management Areas



- Project Features**
 - Route Segment
 - Study Corridor (2 miles)
 - Existing Utility Features
 - 500 kV Transmission Line
 - 230 kV Transmission Line
 - 115 kV Transmission Line
 - Substation
- Boundaries**
 - County
 - Township
 - City Limits
- Transportation**
 - Interstate Highway
 - US Highway
 - State Highway
 - Local Access Road
- Water Features**
 - River or Perennial Stream
 - Water Body
- Recreation and Special Management Areas**
 - Dock, Boat Launch, or Fishing Access
 - Park, Picnic Area, or Rest Area
 - Recreation Location
 - Scenic Overlook or Viewpoint
 - Designated Scenic Byway
 - Trail
- County**
 - Burket Lake Recreation Area / Crab Creek Corridor
- State**
 - Columbia Basin State Wildlife Area
 - Washington Department of Natural Resources: Natural Area Preserve (NAP)
- Federal**
 - Eligible Recreational River
 - Eligible Wild and Scenic River
 - Area of Critical Environmental Concern (ACEC)
 - Proposed Area of Critical Environmental Concern (ACEC)
 - National Monument
 - National Natural Landmark
 - National Wildlife Refuge
 - Saddle Mountains OHV road restricted area
 - Saddle Mountains open OHV area
- Jurisdiction**
 - Private Individual or Company
 - Bureau of Indian Affairs
 - Bureau of Land Management
 - Bureau of Reclamation
 - Washington Department of Fish and Wildlife
 - State of Washington
 - JBLM Yakima Training Center
 - U.S. Fish and Wildlife Service
 - Department of Energy



Data are projected in UTM Zone 10N, NAD83



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Important Farmland Soils

Legend

Project Features

- Route Segment
- Study Corridor (2 miles)

Important Farmland Soils

- Farmland of Statewide Importance
- Unique Farmland
- Prime Farmland (if drained)
- Prime Farmland (if irrigated)

Existing Utility Features

- 500 kV Transmission Line
- 230 kV Transmission Line
- 115 kV Transmission Line
- Substation

Boundaries

- County
- Township
- City Limits
- JBLM Yakima Training Center

Transportation

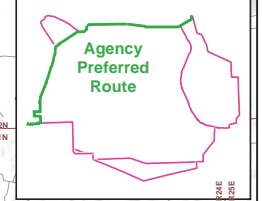
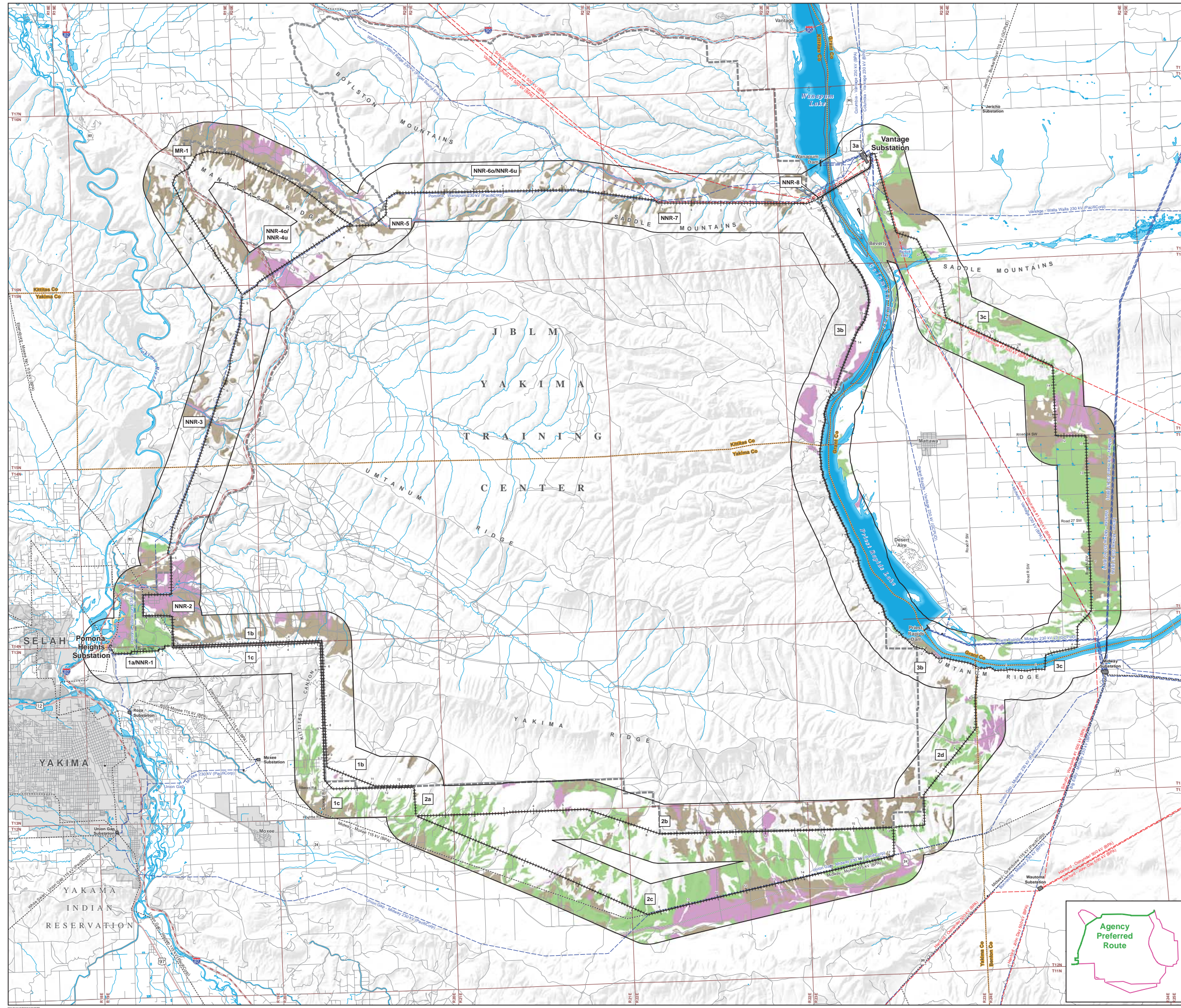
- Interstate Highway
- US Highway
- State Highway
- Local Access Road

Water Features

- River or Perennial Stream
- Water Body

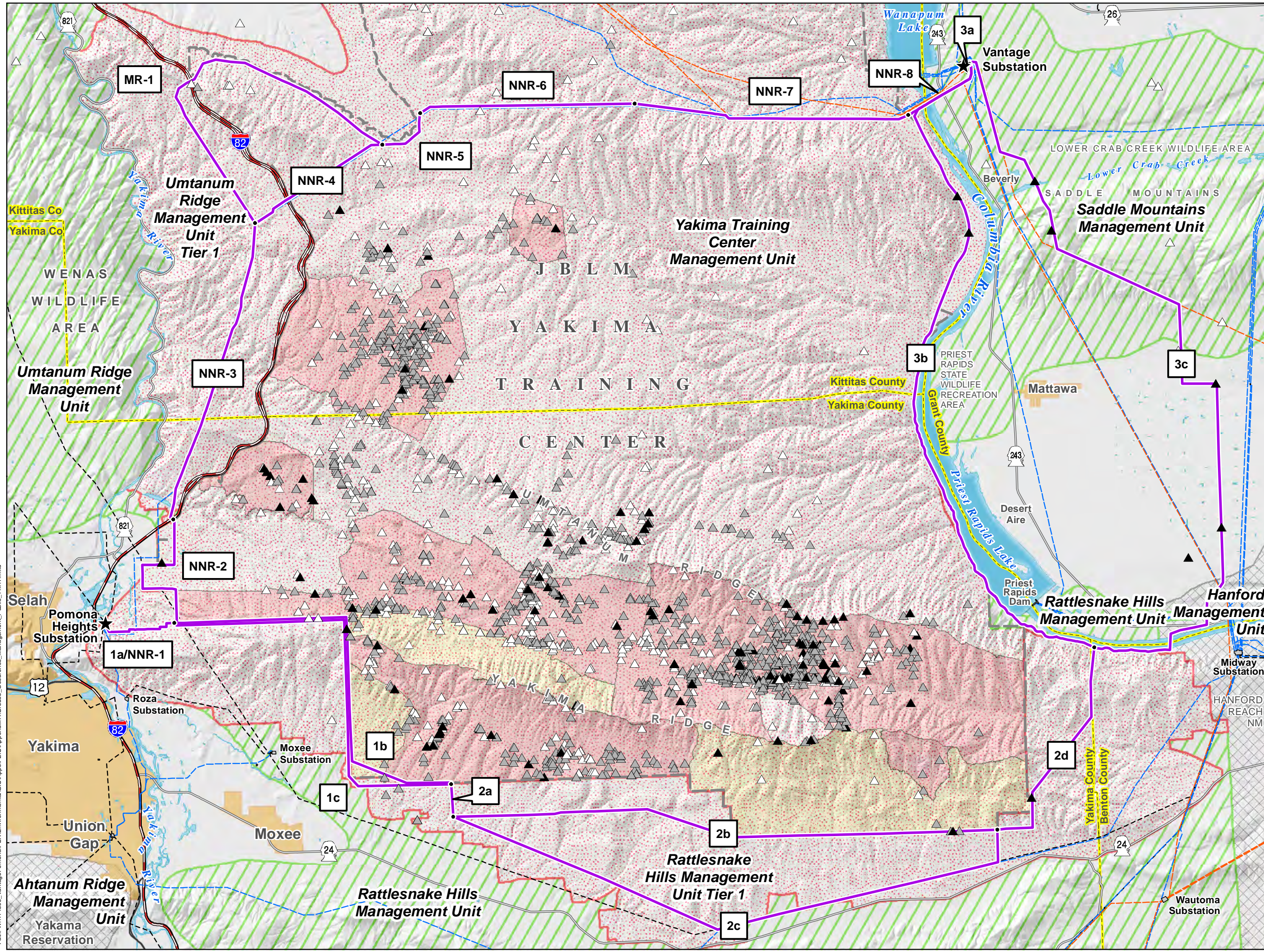


Data are projected in UTM Zone 18N, NAD83



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Sage-Grouse Occurrence & Management Zones



Legend

Project Features

- Route Segment
- Project Substation

Existing Utility Features

- 500 kV Transmission Line
- 230 kV Transmission Line
- 115 kV Transmission Line
- Substation

Sage-Grouse Occurrence Data

- Incidental Sighting 2011-2012
- Incidental Sighting 2001-2010
- Incidental Sighting 1969-2000

WA Sage-Grouse Management Units

- Regularly Occupied Habitat
- Occasionally Occupied Habitat
- Expansion Habitat

JBLM YTC Sage-Grouse Protection Areas 2010

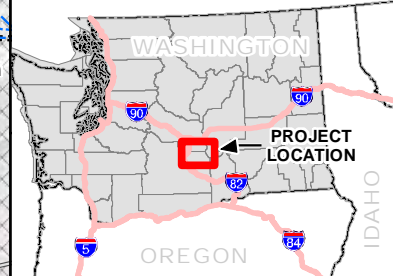
- Primary
- Secondary

Transportation

- Interstate Highway
- US Highway
- State Highway

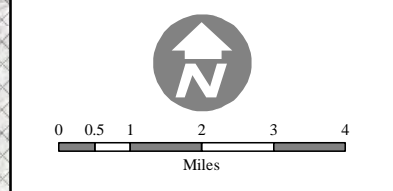
Boundaries

- County Boundary
- City Limits
- JBLM Yakima Training Center



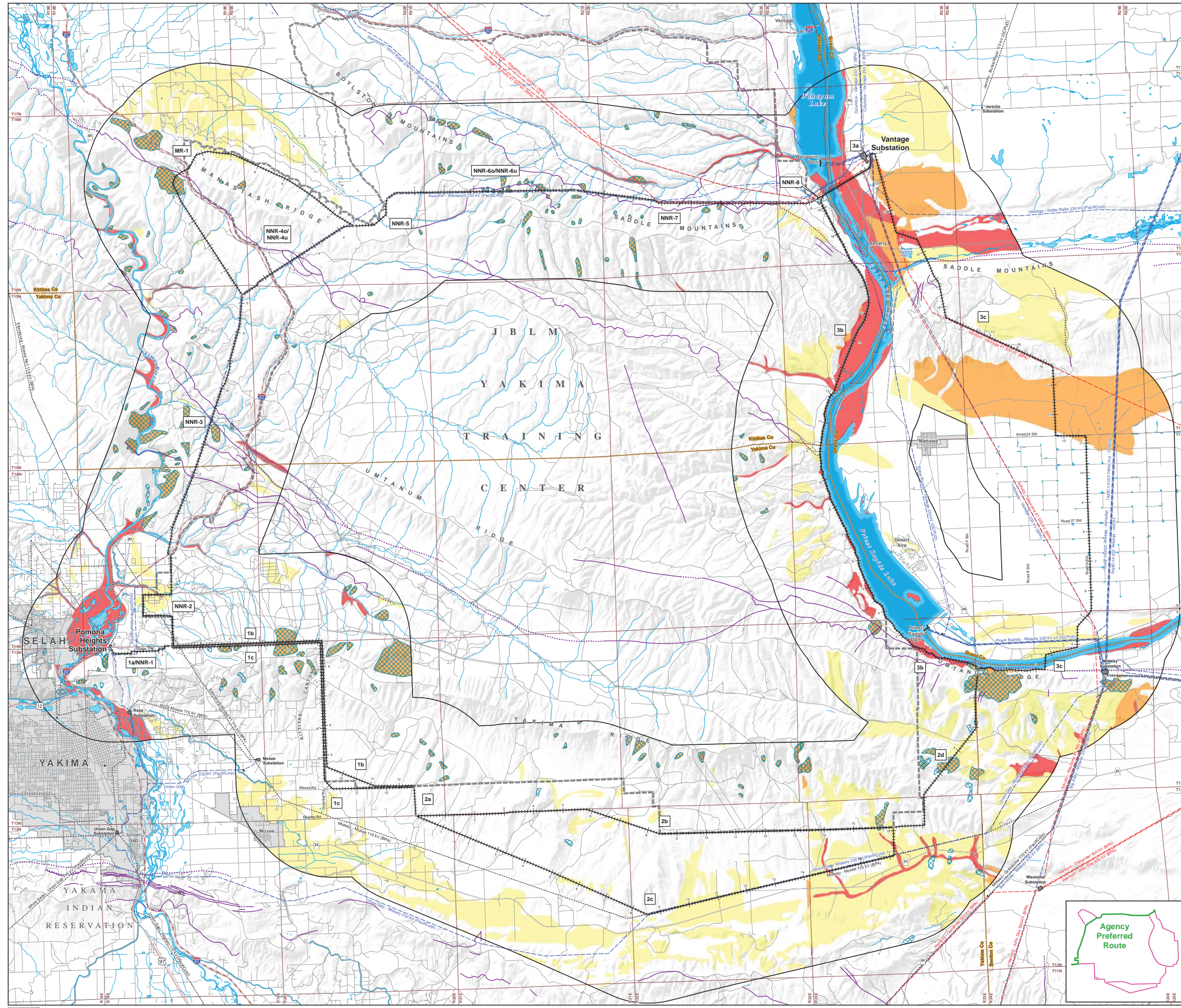
Due to the sensitive nature of the wildlife location data, lek location data is not shown.

Data are projected in UTM Zone 10N, NAD83



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Geohazards



Legend

Project Features

- Route Segment
- Study Corridor (6 miles)

Active Faults

- Fault Trench
- Visible fault trace
- Inferred fault trace
- Concealed fault trace

Landslides

- Mapped Landslide

Liquefaction Susceptibility

- Very Low to Low
- Low
- Low to Moderate
- Moderate to High

Existing Utility Features

- 500 kV Transmission Line
- 230 kV Transmission Line
- 115 kV Transmission Line
- Substation

Boundaries

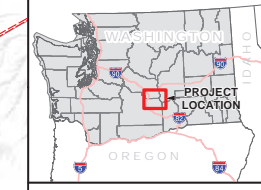
- County
- Township
- City Limits
- JBLM Yakima Training Center

Transportation

- Interstate Highway
- US Highway
- State Highway
- Local Access Road

Water Features

- River or Perennial Stream
- Water Body



Data are projected in UTM Zone 18N, NAD83

Agency Preferred Route

0 0.5 1 2 3 Miles

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Construction Access Levels

Legend

Project Features

○ Study Corridor (2 miles)

Construction Access Levels

- 0- No Road Construction (agriculture/Slope/Water Crossing) (A)
- 1- Overland Access (in flat terrain)
- 2- Use Existing Roads
- 3- Improve Existing Roads
- 4- Construct New Access, Flat to Rolling Terrain (0-8% slope)
- 5- Construct New Access, Rolling Terrain (8-15% slope)
- 6- Construct New Access, Steep Terrain (15-30% slope)
- 7- Construct New Access, Mountainous Terrain (>30% slope)

Existing Utility Features

- 500 kV Transmission Line
- 230 kV Transmission Line
- 115 kV Transmission Line
- Substation

Boundaries

- County
- Township
- City Limits
- JBLM Yakima Training Center

Transportation

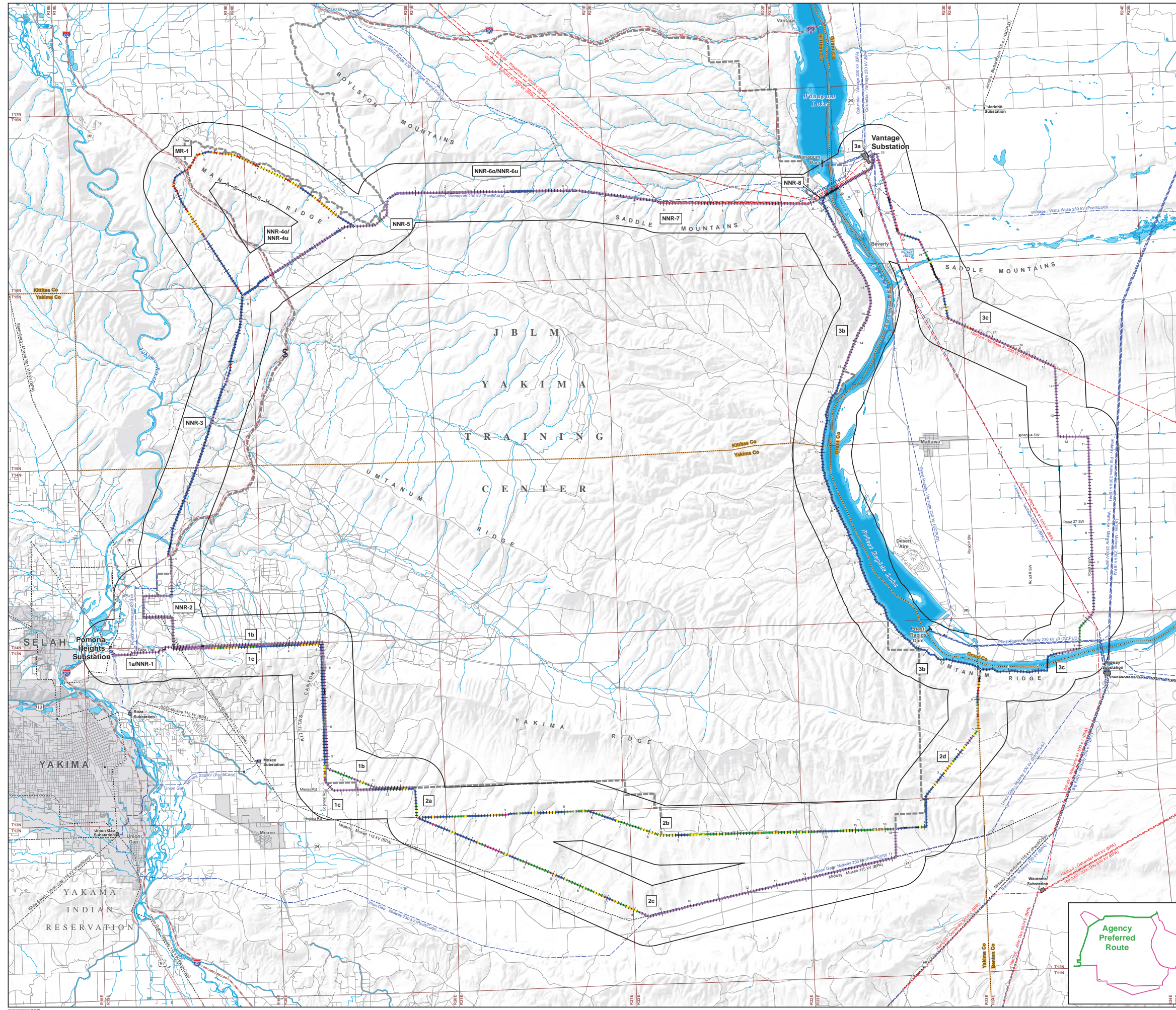
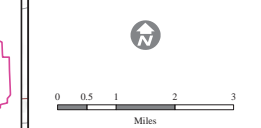
- Interstate Highway
- US Highway
- State Highway
- Local Access Road

Water Features

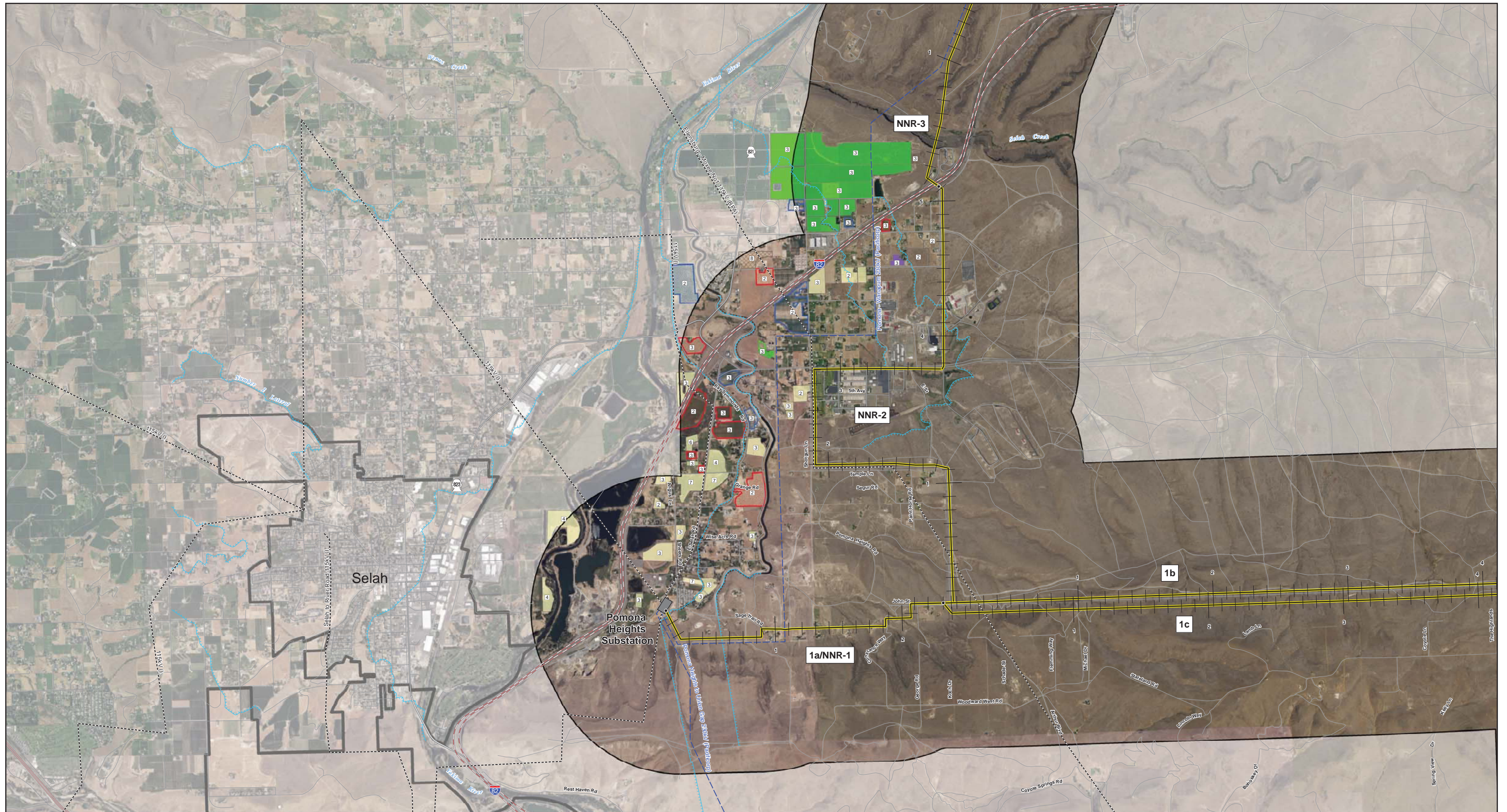
- River or Perennial Stream
- Water Body



Data are projected in UTM Zone 18N, NAD83

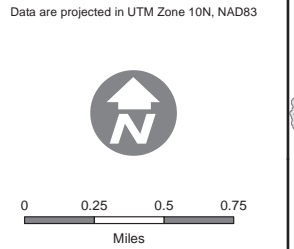
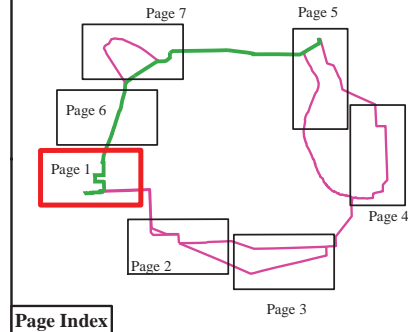


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Legend

- | | | | |
|---|---|---|---|
| <ul style="list-style-type: none"> — Route Segment Study Corridor (2 miles) Existing Utility Features — 230 kV Transmission Line - - - 115 kV Transmission Line Substation | <ul style="list-style-type: none"> Transportation — Interstate Highway — US Highway — State Highway — Local Road Water Features — Canal or Ditch | <ul style="list-style-type: none"> Irrigation Method 2 Wheel Line 3 Sprinkler 4 Big Gun 6 Rill 7 Flood 8 None | <ul style="list-style-type: none"> Agriculture Type Alfalfa Hay Grass Hay Apple Fallow Wine Grape Pasture |
|---|---|---|---|

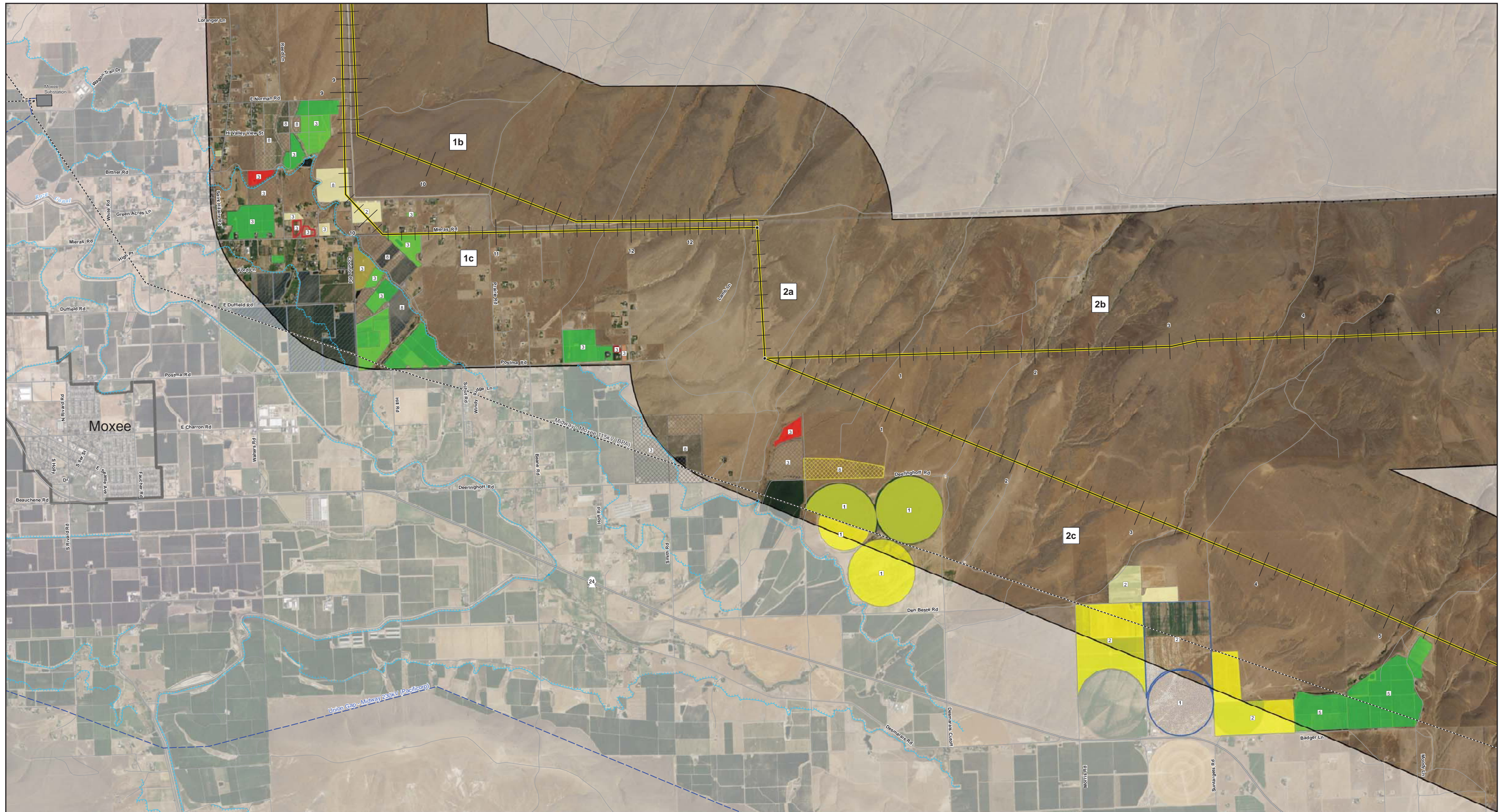


Vantage - Pomona Heights
230 kV Transmission Line Project

Agriculture & Irrigation

Page 1 of 7

ESRI Base Imagery Service.
Access Date: 9/19/2016

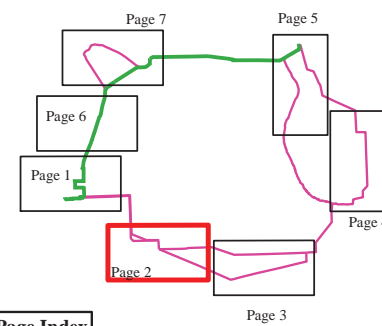


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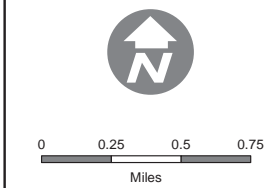
- | | | | |
|--|--|---|---|
| <ul style="list-style-type: none"> Route Segment Study Corridor (2 miles) Existing Utility Features 230 kV Transmission Line 115 kV Transmission Line Substation | Transportation <ul style="list-style-type: none"> State Highway Local Road Water Features <ul style="list-style-type: none"> Canal or Ditch Pipeline | Irrigation Method <ul style="list-style-type: none"> Center Pivot Wheel Line Sprinkler Drip None | Agriculture Type <ul style="list-style-type: none"> Alfalfa Hay Grass Hay Apple Cherry Fallow Hops Nectarine/Peach Pasture Pear Wheat Wheat Fallow |
|--|--|---|---|

ESRI Base Imagery Service.
Access Date: 9/19/2016

Page Index



Data are projected in UTM Zone 10N, NAD83



Vantage - Pomona Heights
230 kV Transmission Line Project

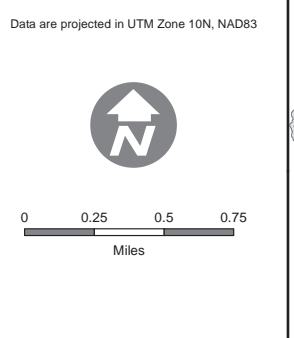
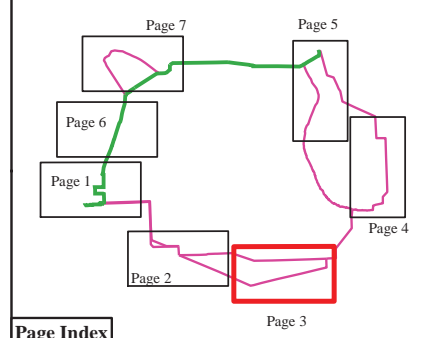
Agriculture & Irrigation



Legend

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> Route Segment Study Corridor (2 miles) Existing Utility Features 230 kV Transmission Line 115 kV Transmission Line Substation | <p>Transportation</p> <ul style="list-style-type: none"> State Highway Local Road <p>Irrigation Method</p> <ul style="list-style-type: none"> 1 Center Pivot 2 Wheel Line 3 Sprinkler | <ul style="list-style-type: none"> None Agriculture Type Alfalfa Hay Apple Field Corn Fallow Green Manure Timothy Hay Wheat Wheat Fallow Wildlife Feed |
|--|---|--|

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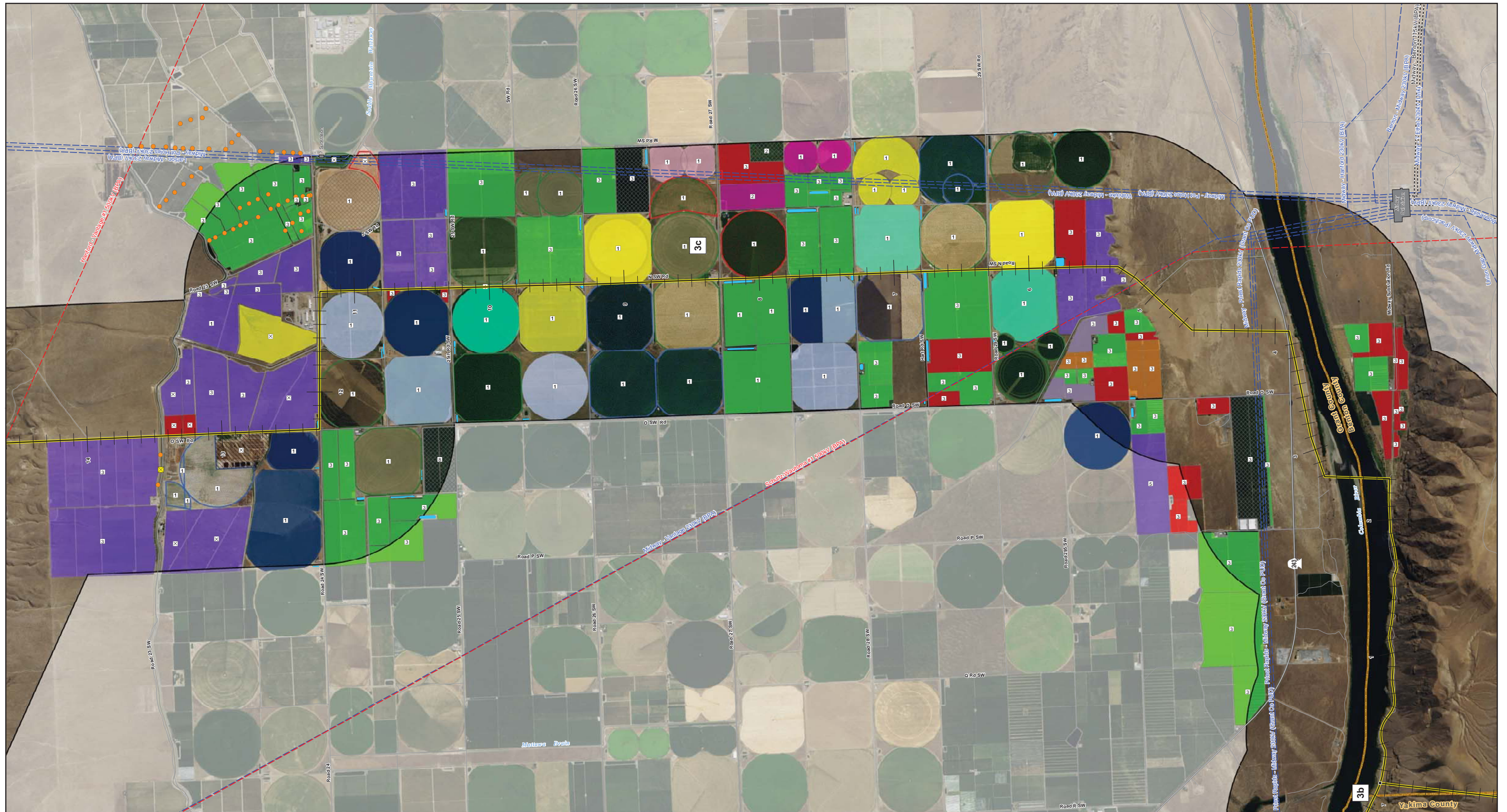


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230 kV Transmission Line Project

Agriculture & Irrigation

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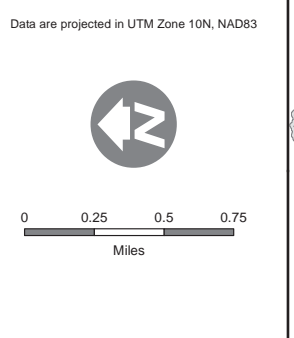
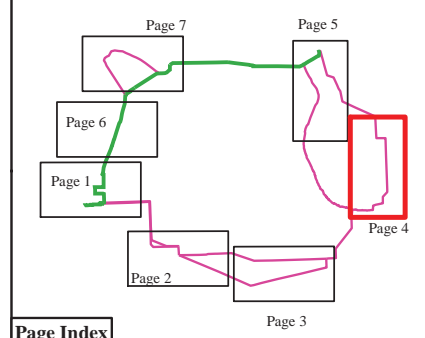


Legend

- Route Segment
- Study Corridor (2 miles)
- Existing Utility Features**
 - 500 kV Transmission Line
 - 230 kV Transmission Line
 - 115 kV Transmission Line
 - Substation
- Transportation**
 - State Highway
 - Local Road
 - Water Body
- Irrigation Method**
 - Center Pivot
 - Wheel Line
- Irrigation Infrastructure**
 - Sprinkler
 - Drip
 - None
 - Unknown
 - Pump Station
 - Buried Drain Manhole

- Agriculture Type**
 - Alfalfa Hay
 - Grass Hay
 - Apple
 - Apricot
 - Asparagus
 - Cherry
 - Field Corn
 - Fallow
 - Feed Lot
 - Wine Grape
 - Grapes, Concord
 - Onion
 - Green Pea
 - Potato
 - Timothy Hay
 - Wheat

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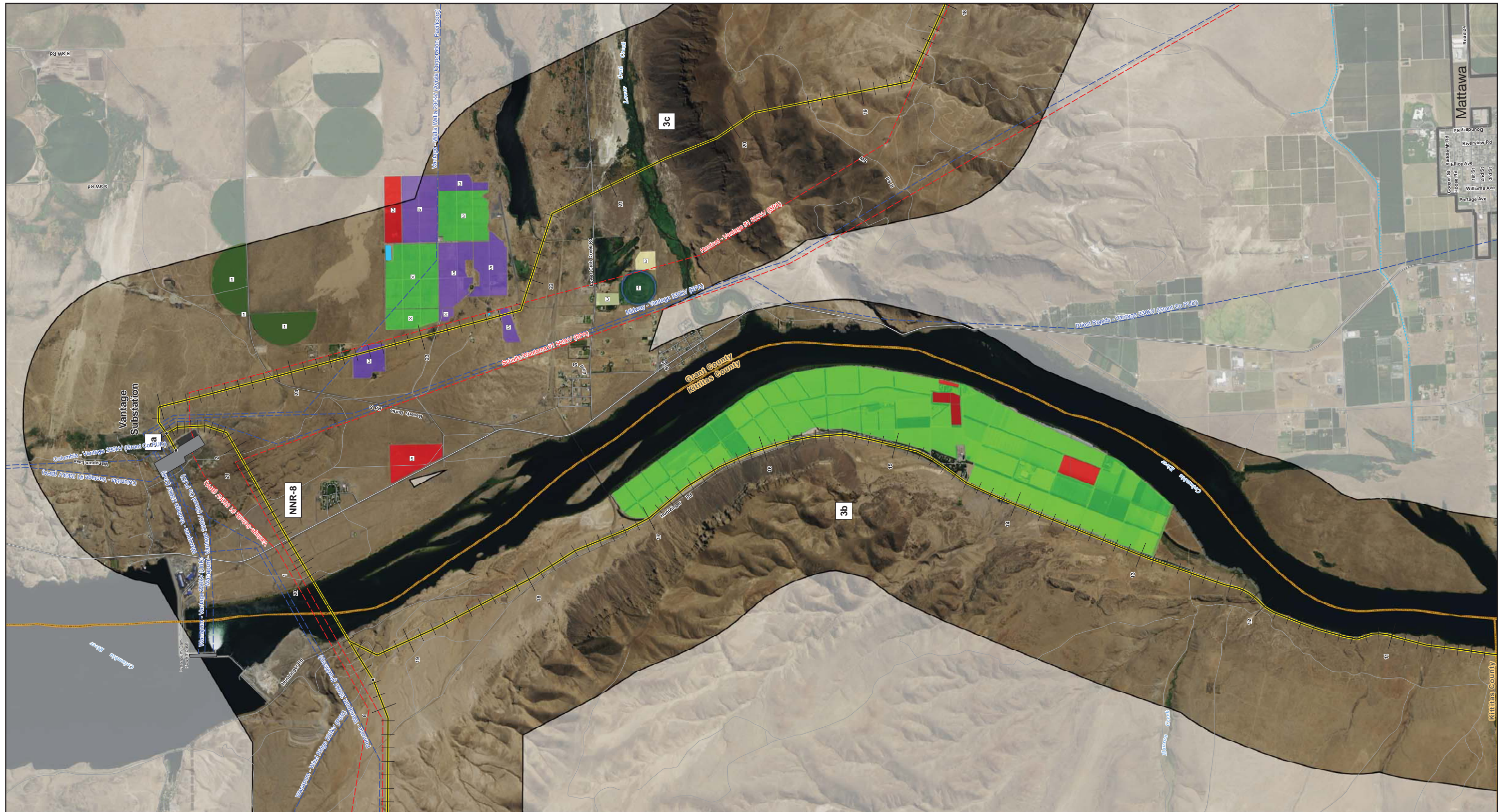


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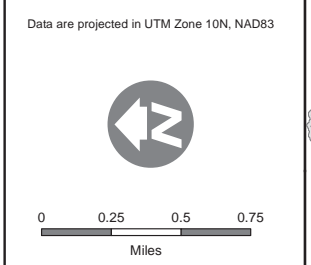
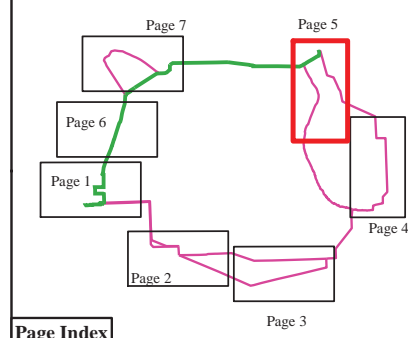
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Legend

- | | | | |
|--|---|---|---|
| <ul style="list-style-type: none"> Route Segment Study Corridor (2 miles) Existing Utility Features 500 kV Transmission Line 230 kV Transmission Line Substation | <ul style="list-style-type: none"> Transportation State Highway Local Road Water Features Canal or Ditch Water Body | <ul style="list-style-type: none"> Irrigation Method Center Pivot Sprinkler Drip Unknown Agriculture Type Alfalfa Hay | <ul style="list-style-type: none"> Apple Cherry Wine Grape Mint Pasture |
|--|---|---|---|



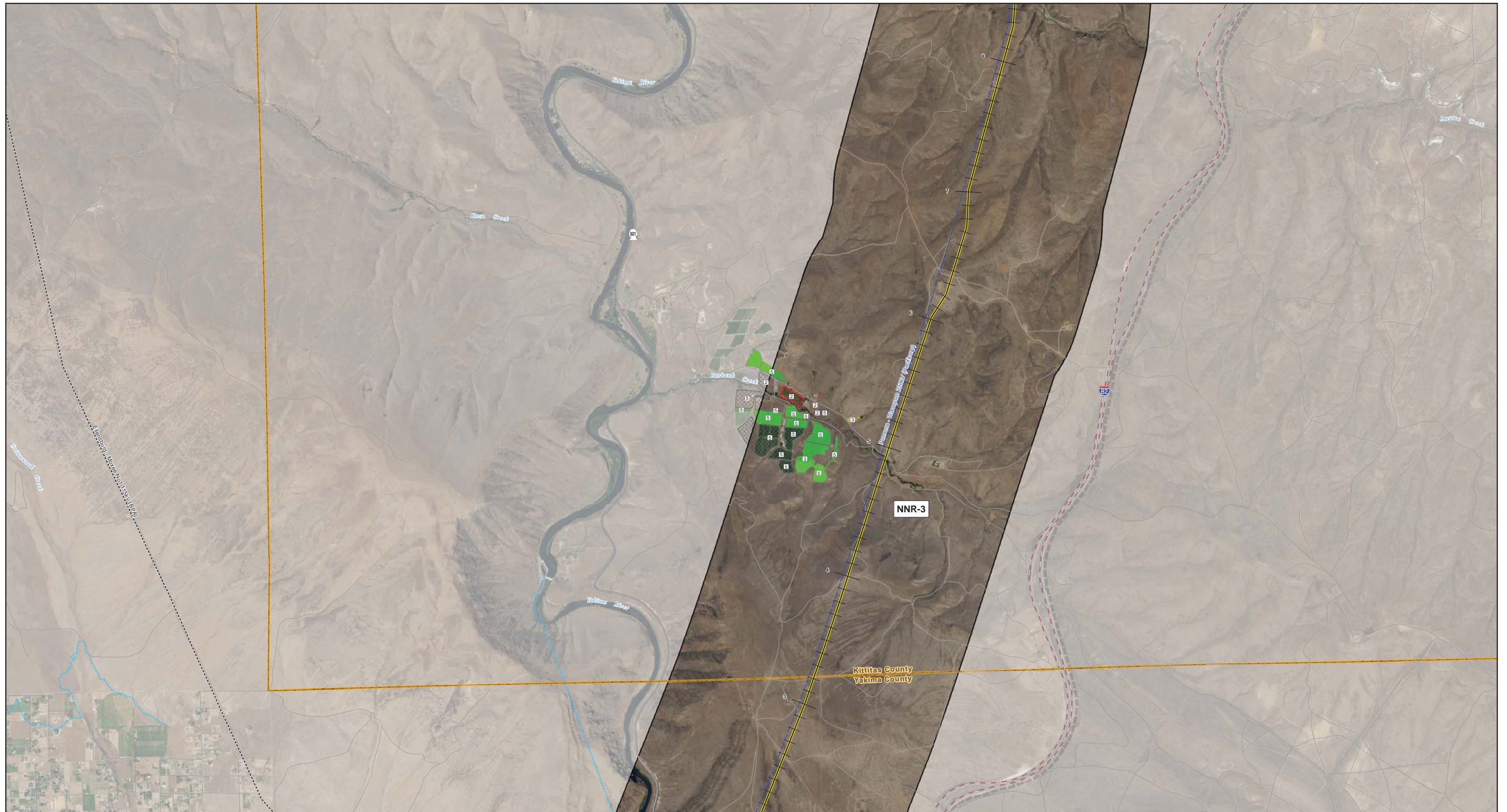
Vantage - Pomona Heights
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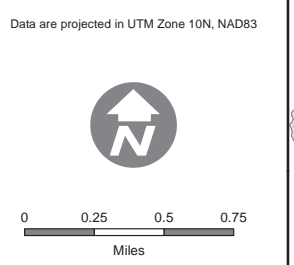
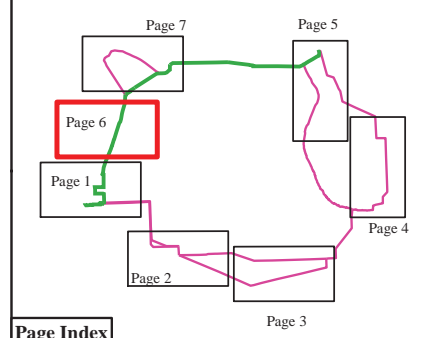
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- Legend**
- Route Segment
 - Study Corridor (2 miles)
 - Existing Utility Features**
 - 230 kV Transmission Line
 - 115 kV Transmission Line
 - Transportation**
 - Interstate Highway
 - State Highway
 - Local Road
 - Water Features**
 - Canal or Ditch
 - Irrigation Method**
 - Wheel Line
 - Sprinkler
 - Drip
 - Agriculture Type**
 - Grass Hay
 - Apple
 - Fallow
 - Pear



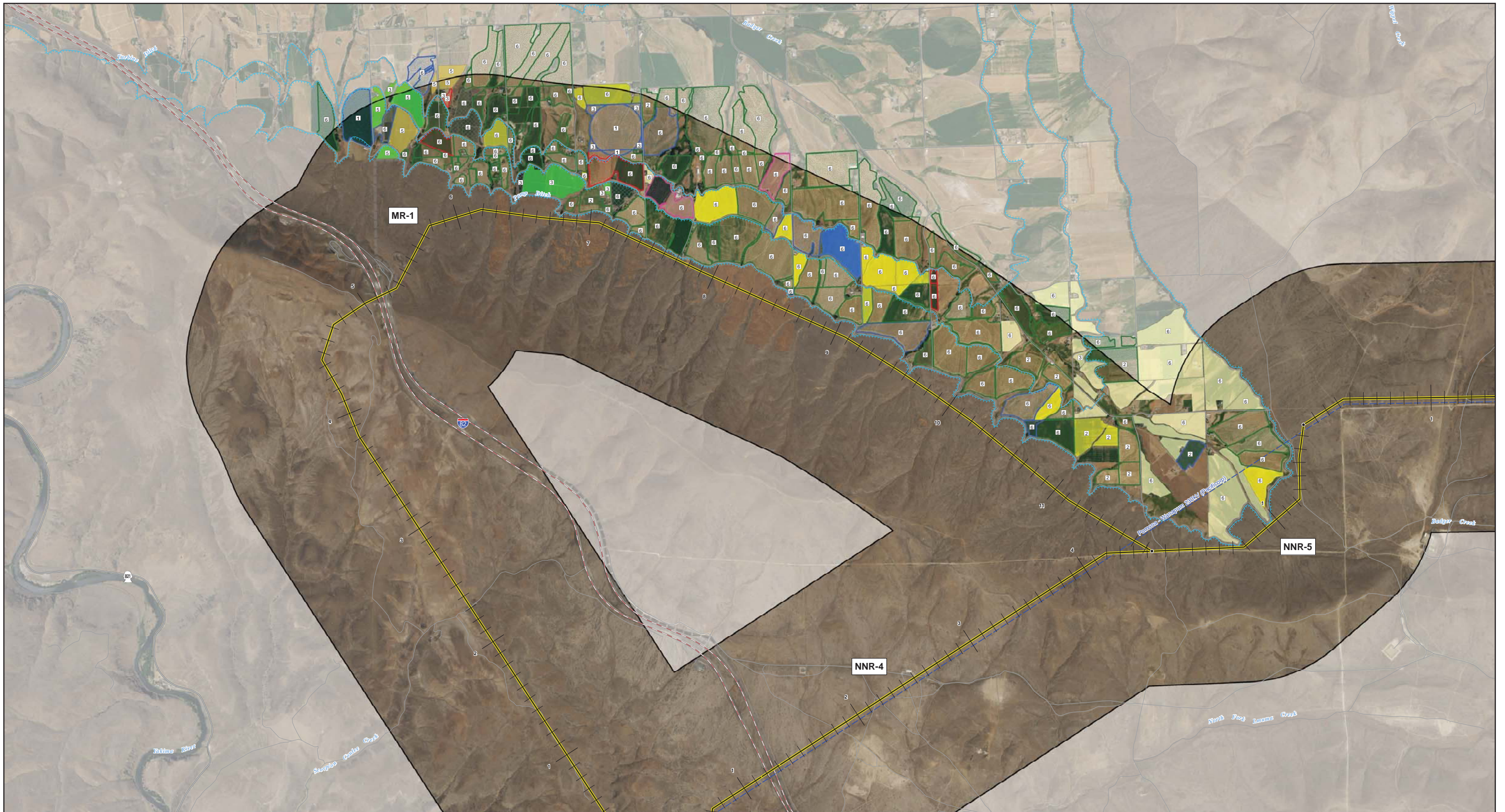
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230 kV Transmission Line Project

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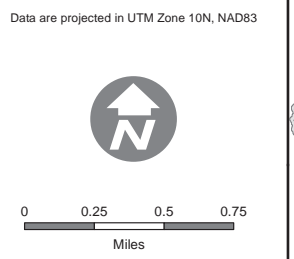
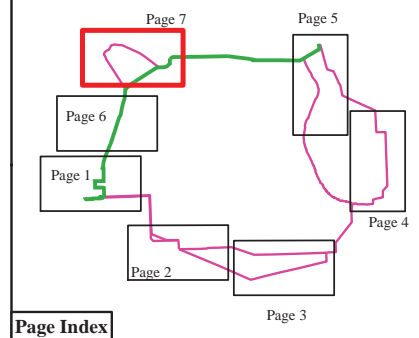
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Legend

- | | | | |
|----------------------------------|--------------------------|-------------------------|-------------|
| Route Segment | Local Road | Drip | Fallow |
| Study Corridor (2 miles) | Water Features | Rill | Oat |
| Existing Utility Features | Canal or Ditch | Agriculture Type | Pasture |
| 230 kV Transmission Line | Irrigation Method | Alfalfa Hay | Pear |
| Transportation | Center Pivot | Grass Hay | Sudangrass |
| Interstate Highway | Wheel Line | Apple | Timothy Hay |
| State Highway | Sprinkler | Corn, Sweet | Wheat |



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230 kV Transmission Line Project

Agriculture & Irrigation

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