# APPENDIX A
# PROJECT MAPS

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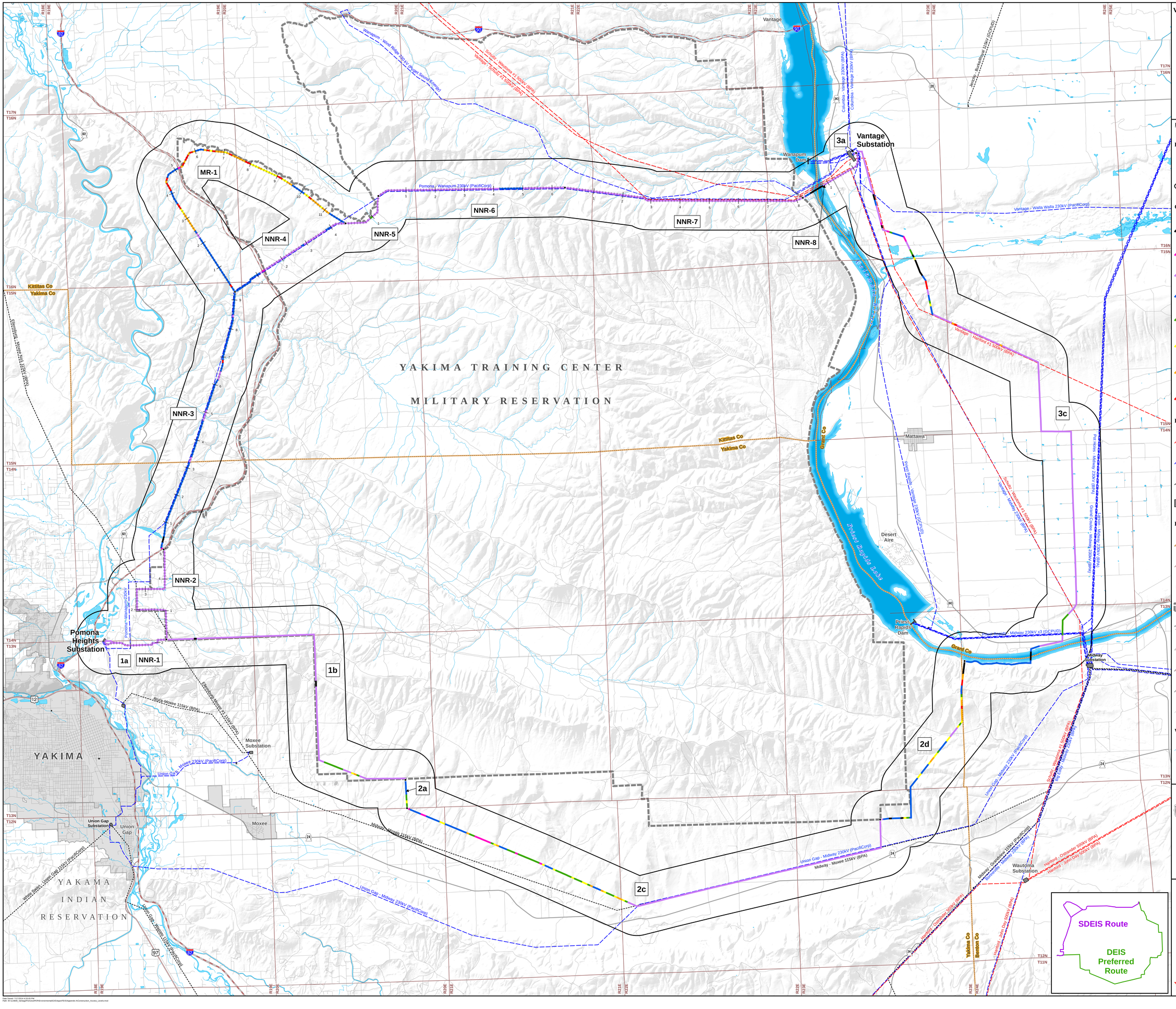
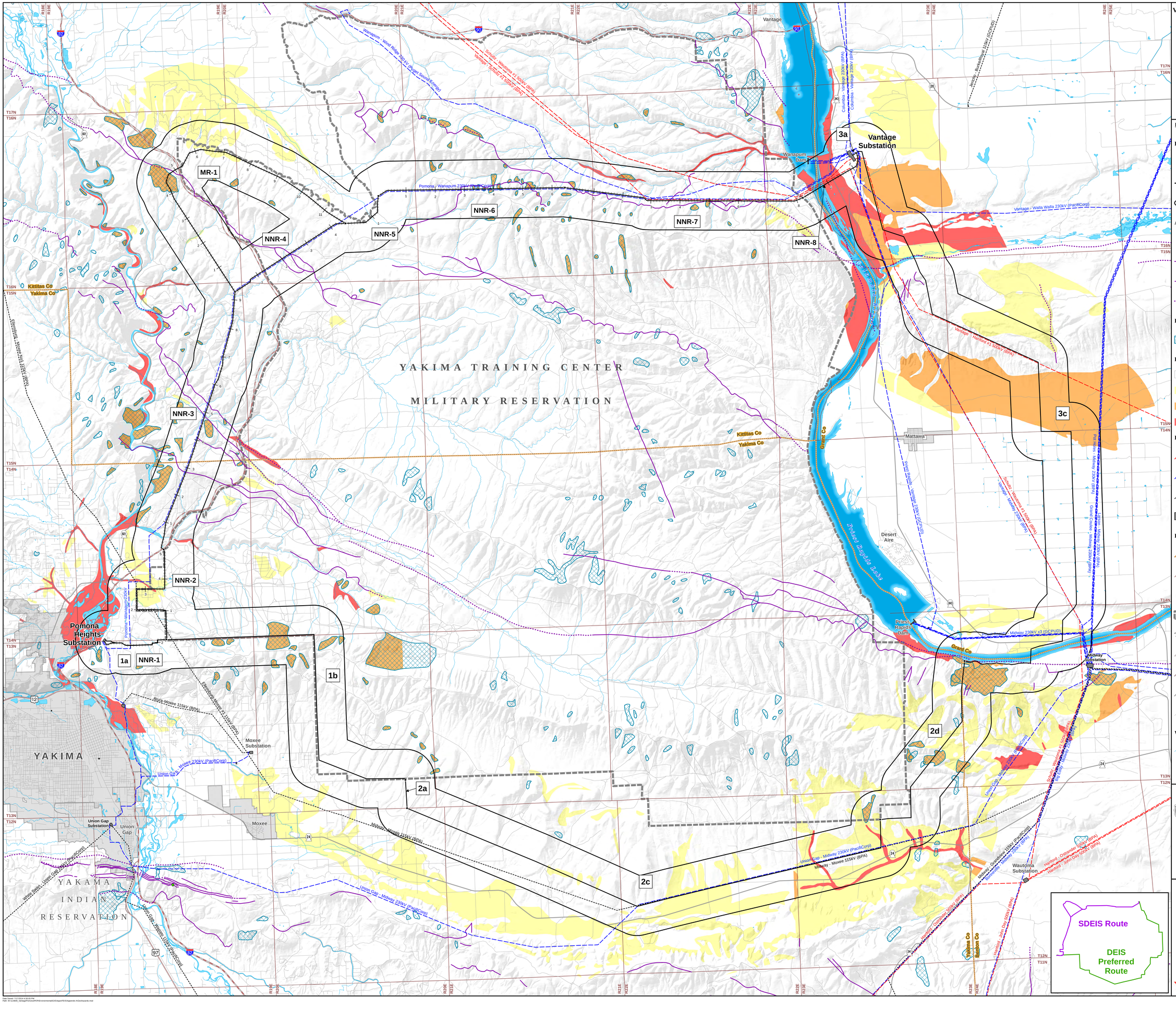


Vantage - Pomona Heights 230 kV Transmission Line Project
Construction Access Levels
Legend
Route Features
Route Node
Study Corridor (2 miles)
Construction Access Levels
0- No Road Construction (Agriculture/Slope/Water Crossing)
1- Overland Access (in flat terrain)
2- Use Existing Roads
3- Improve Existing 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 Transmission Facilities
500kV Transmission Line
230kV Transmission Line
115kV Transmission Line
Substation
Boundaries
County
Township
City Boundary
Yakima Training Center
Transportation
Interstate Highway
US Highway
State Route
Local Access Road
Water Features
River or Perennial Stream
Open Water
Data are projected in UTM Zone 10N, NAD83
Miles
PACIFIC POWER
POWER ENGINEERS
WASHINGTON
OREGON
IDAHO
PROJECT LOCATION
SDEIS Route
DEIS Preferred Route
YAKIMA TRAINING CENTER
MILITARY RESERVATION
YAKIMA
YAKAMA INDIAN RESERVATION
Vantage Substation
Pomona Heights Substation
Wanapum Dam
Priest Rapids Dam
Mattawa
Desert Aire
Moxee Substation
Union Gap Substation
Wautoma Substation
Midway Substation
Kittitas Co
Yakima Co
Grant Co
Benton Co
MR-1
NNR-1
NNR-2
NNR-3
NNR-4
NNR-5
NNR-6
NNR-7
NNR-8
1a
1b
2a
2c
2d
3a
3c

# Vantage - Pomona Heights 230 kV Transmission Line Project

## Geohazards




**Legend**

**Route Features**

- Route Node
- Alternative Route
- 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 Transmission Facilities**

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

**Boundaries**

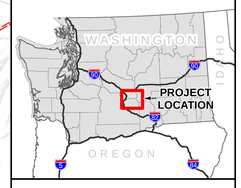
- County
- Township
- City Boundary
- Yakima Training Center

**Transportation**

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

**Water Features**

- River or Perennial Stream
- Open Water




Data are projected in UTM Zone 10N, NAD83

0 0.5 1 2 3
Miles

PACIFIC POWER
POWER ENGINEERS

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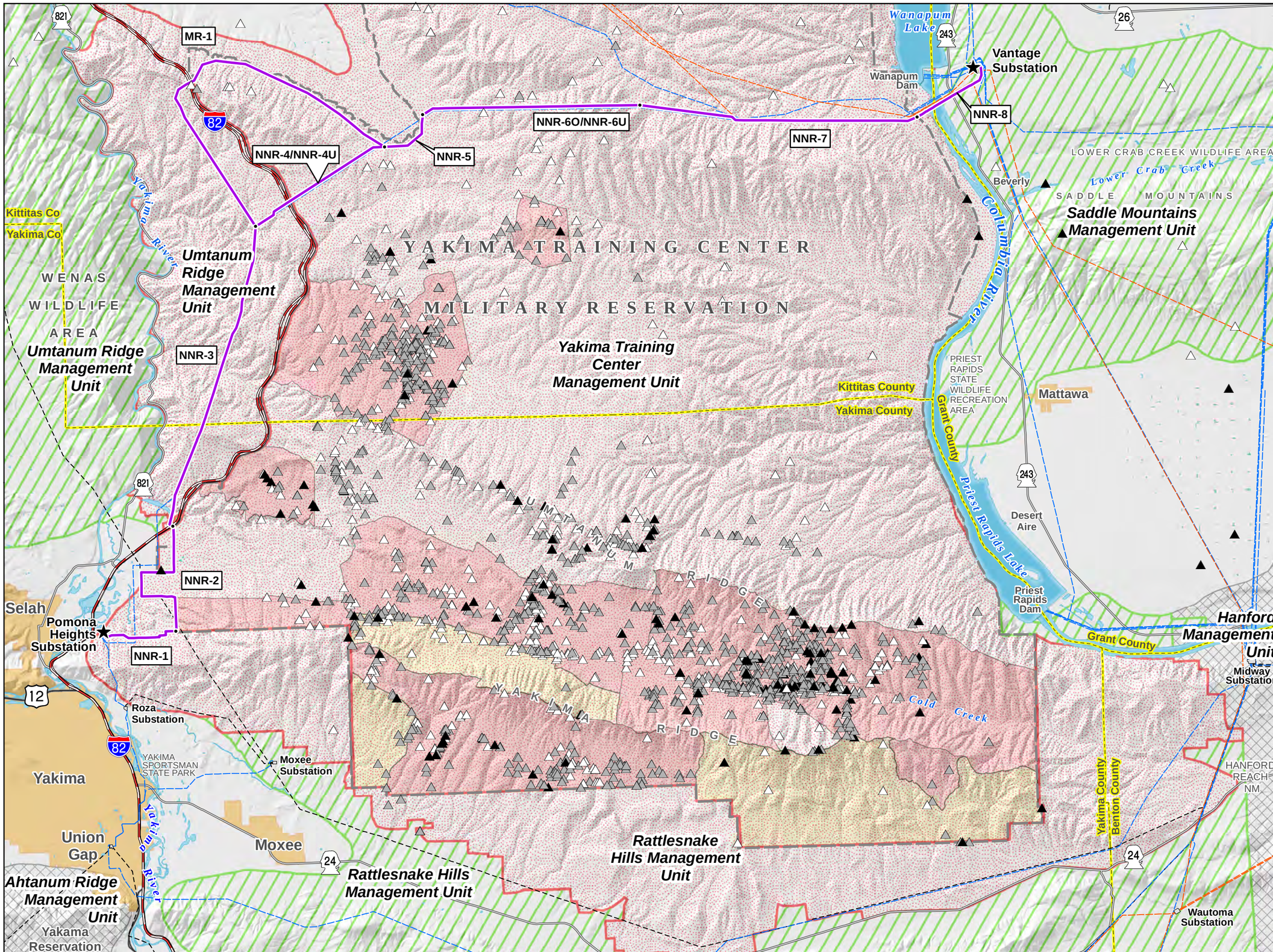
Vantage - Pomona Heights 230kV Transmission Line Project

# Sage-Grouse Occurrence & Management Zones




## Legend

**Routes**
- Alternative Route
- 1a Route Segment Name
- Route Segment Node
- Project Substation

**Existing Transmission**
- 500kV
- 230kV
- 115kV
- 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

**YTC Sage-Grouse Protection Areas 2010**
- Primary
- Secondary

**Roads**
- Interstate Highway
- US Highway
- State Highway

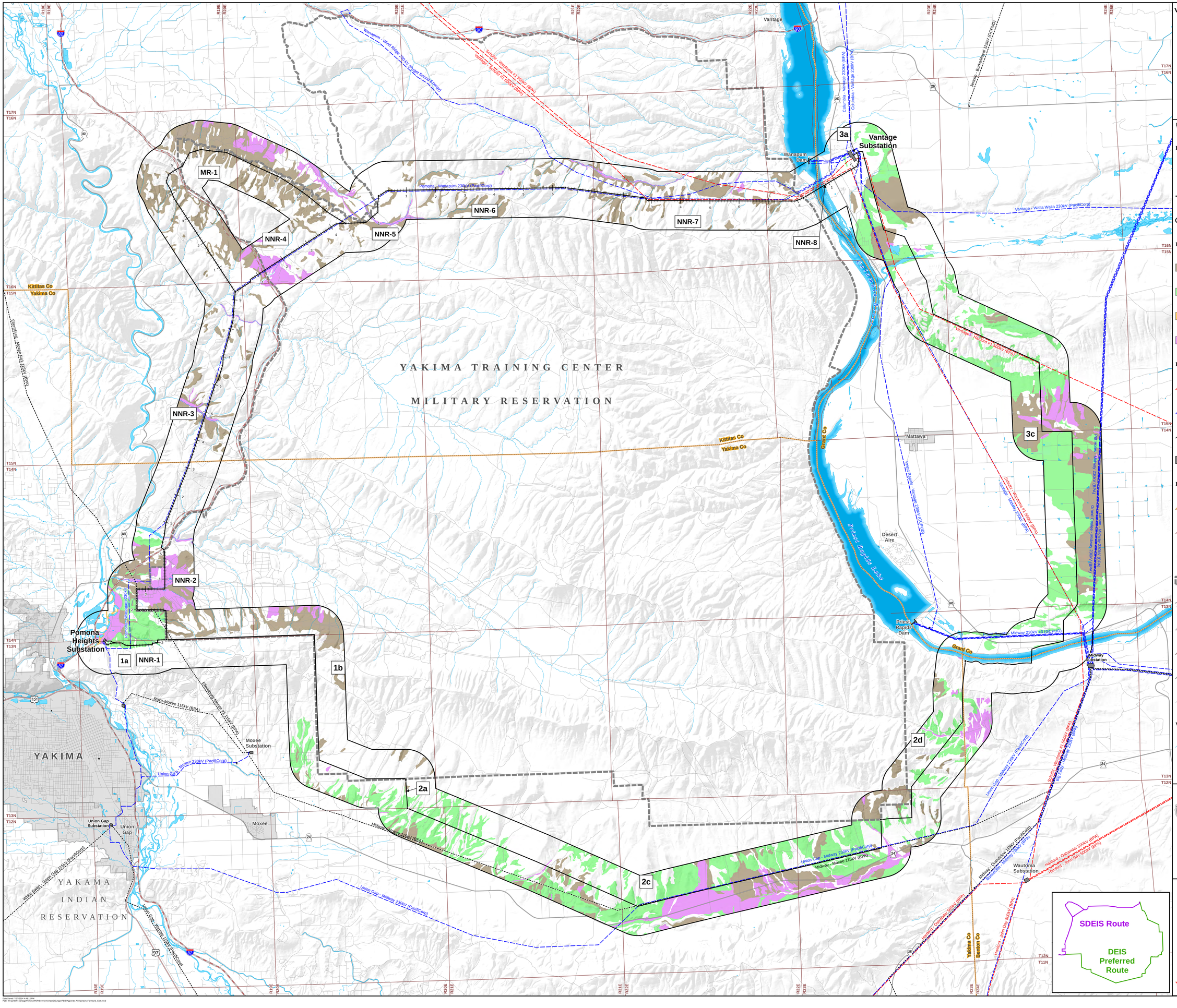
**Base Features**
- County Boundary
- Municipality
- Yakima Training Center

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

Data are projected in UTM Zone 10N, NAD83

0 0.5 1 2 3 4 Miles

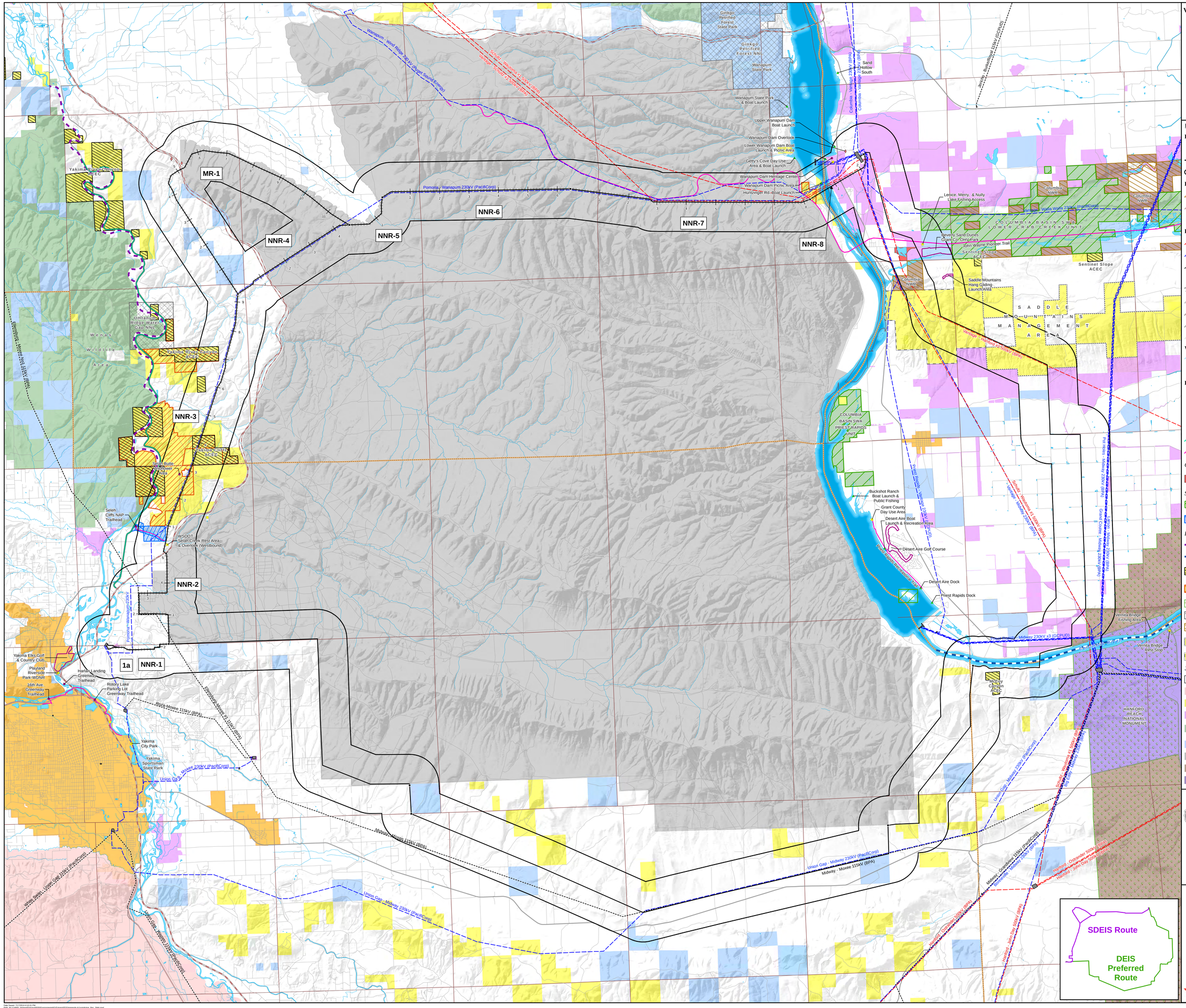
PACIFIC POWER POWER ENGINEERS



Vantage - Pomona Heights 230 kV Transmission Line Project
Important Farmland Soils
Legend
Route Features
Route Node
Alternative Route
Study Corridor (2 miles)
Important Farmland Soils
Farmland of Statewide Importance
Unique Farmland
Prime Farmland (if drained)
Prime Farmland (if irrigated)
Existing Transmission Facilities
500kV Transmission Line
230kV Transmission Line
115kV Transmission Line
Substation
Boundaries
County
Township
City Boundary
Yakima Training Center
Transportation
Interstate Highway
US Highway
State Route
Local Access Road
Water Features
River or Perennial Stream
Open Water
Data are projected in UTM Zone 10N, NAD83
Miles
PACIFIC POWER
POWER ENGINEERS
SDEIS Route
DEIS Preferred Route
PROJECT LOCATION
WASHINGTON
OREGON
IDAHO
YAKIMA TRAINING CENTER
MILITARY RESERVATION
YAKIMA
YAKAMA INDIAN RESERVATION
Vantage Substation
Pomona Heights Substation
Wanapum Dam
Priest Rapids Dam
Desert Aire
Mattawa
Moxee Substation
Union Gap Substation
Wautoma Substation
Midway Substation
Kittitas Co
Yakima Co
Grant Co
Benton Co
Columbia River
Priest Rapids Lake
MR-1
NNR-1
NNR-2
NNR-3
NNR-4
NNR-5
NNR-6
NNR-7
NNR-8
1a
1b
2a
2c
2d
3a
3c

# Vantage - Pomona Heights 230 kV Transmission Line Project

# Jurisdiction, Recreation, and Special Management Areas




**Legend**

**Route Features**
- Route Node
- Alternative Route
- Study Corridor (2 miles)

**Boundaries**
- County
- Township
- City Boundary

**Existing Transmission Facilities**
- 500kV Transmission Line
- 230kV Transmission Line
- 115kV Transmission Line
- Substation

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

**Water Features**
- River or Perennial Stream
- Open Water

**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*
- Burkett 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
- Yakima Training Center (DOD)
- U.S. Fish and Wildlife Service
- Department of Energy

Data are projected in UTM Zone 10N, NAD83

0 0.5 1 2 3 Miles

PACIFIC POWER A DIVISION OF PACIFICORP

POWER ENGINEERS

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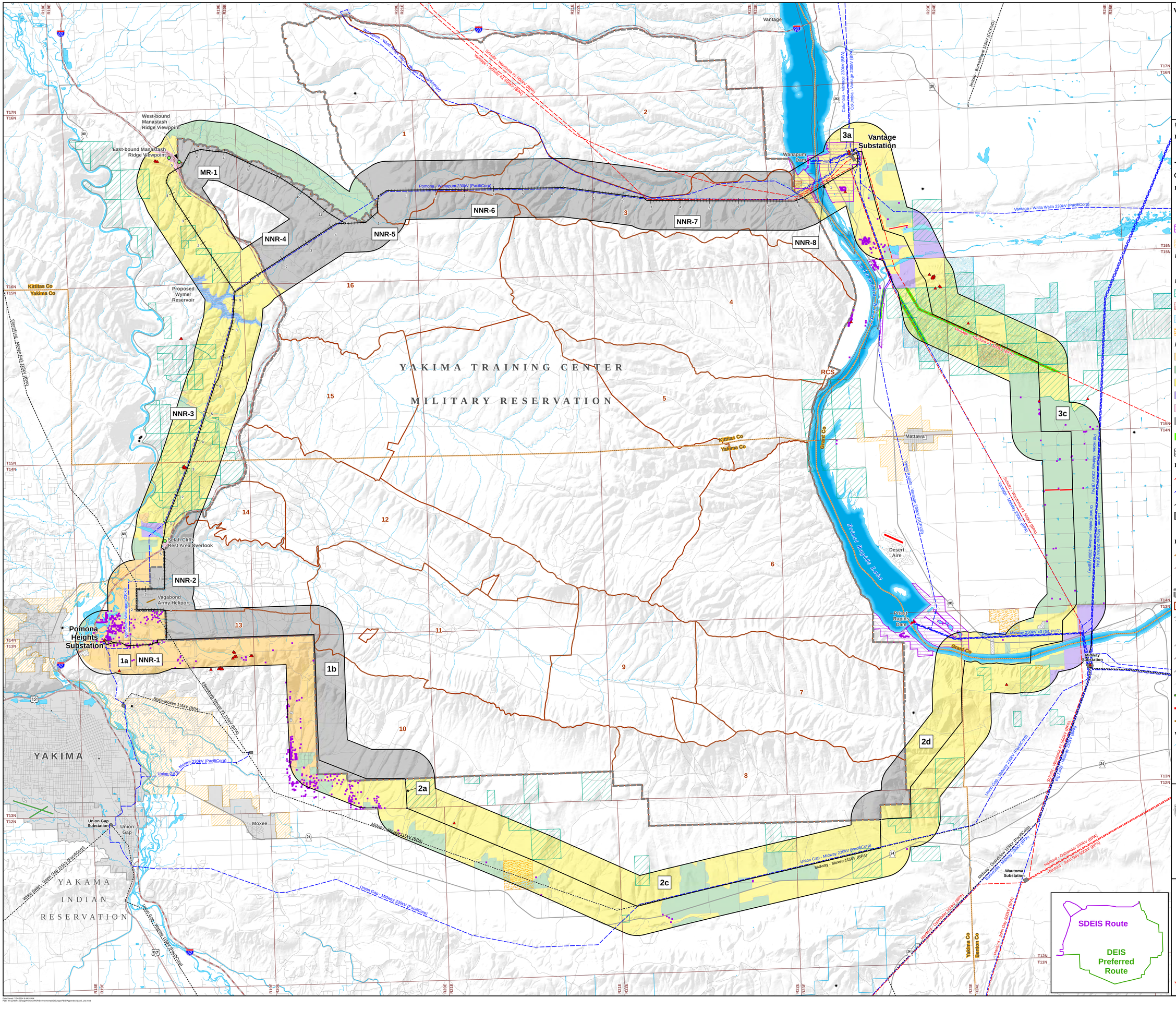
# Vantage - Pomona Heights 230 kV Transmission Line Project

## Land Use




**Legend**

**Route Features**
- Route Node
- Alternative Route
- 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)
- Gravel Mine

**Existing Transmission Facilities**
- 500kV Transmission Line
- 230kV Transmission Line
- 115kV Transmission Line
- Substation
- Dam

**Boundaries**
- County
- Township
- City Boundary
- Yakima Training Center (YTC)
- 8 YTC Training Area

**Transportation**
- WSDOT Rest Area
- Interstate Highway
- US Highway
- State Route
- Local Access Road
- Public Airport
- Private Airstrip
- Vagabond Army Heliport

**Water Features**
- River or Perennial Stream
- Open Water
- Proposed Wymer Reservoir

Data are projected in UTM Zone 10N, NAD83

0 0.5 1 2 3 Miles

PACIFIC POWER A DIVISION OF PACIFICORP

POWER ENGINEERS

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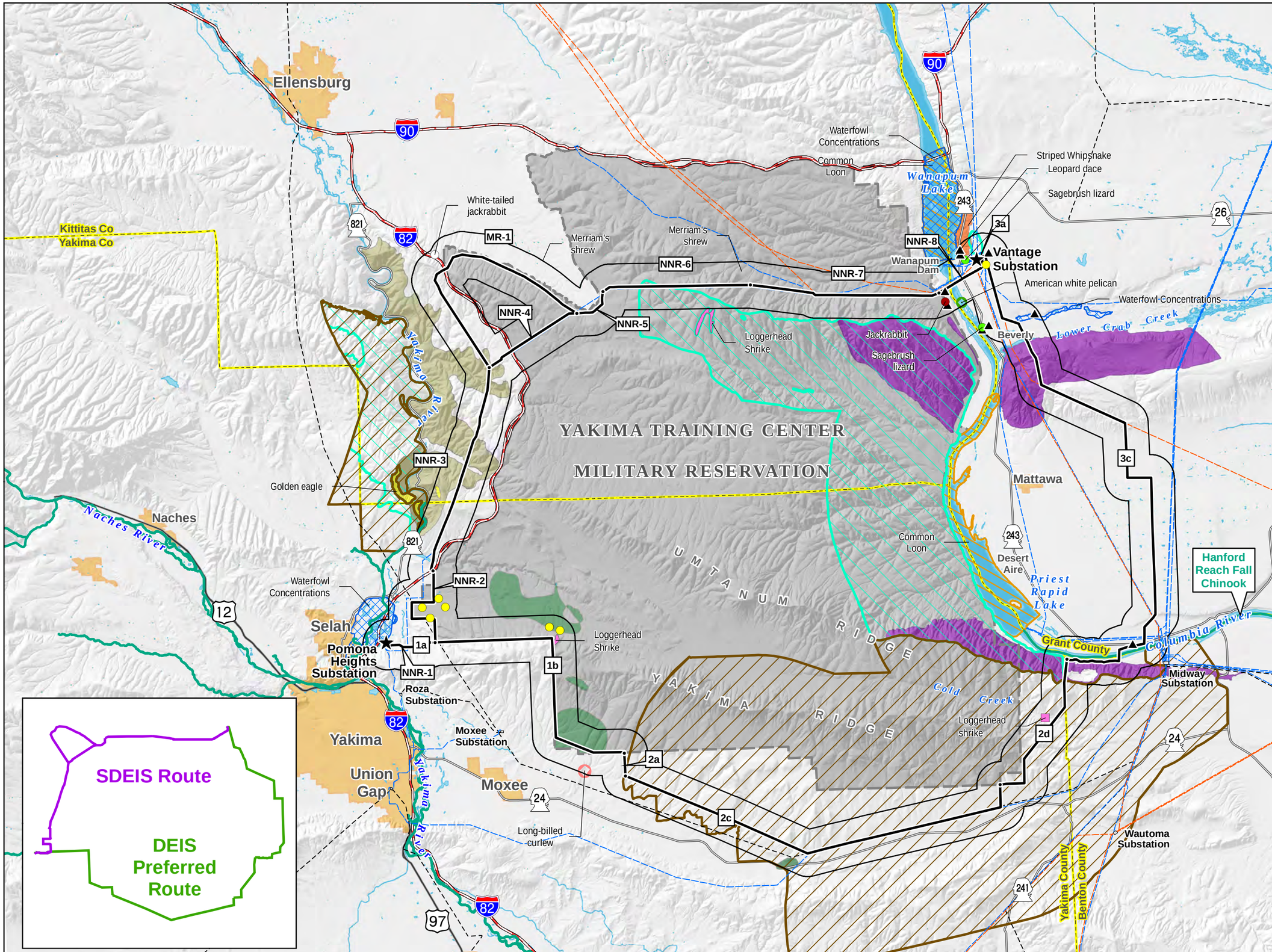
Vantage - Pomona Heights 230kV Transmission Line Project

# Sensitive Wildlife Species




**Legend**

- Alternative Route
- 1a Route Segment Name
- Route Segment Node
- Project Substation

**Existing Transmission**

- 500kV
- 230kV
- 115kV
- Substation

**PHS Species Data**

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
- Golden Eagle
- Loggerhead Shrike
- Long-billed curlew
- Mule Deer
- Striped Whipsnake
- Waterfowl Concentrations

**WA Department of Fish and Wildlife**

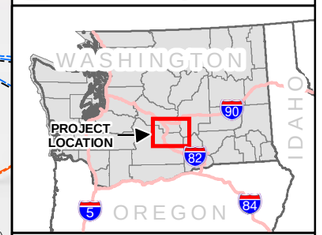
- Salmonid Stock Inventory

**Roads**

- Interstate Highway
- US Highway
- State Highway

**Base Features**

- County Boundary
- Municipality
- Yakima Training Center




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.

Data are projected in UTM Zone 10N, NAD83

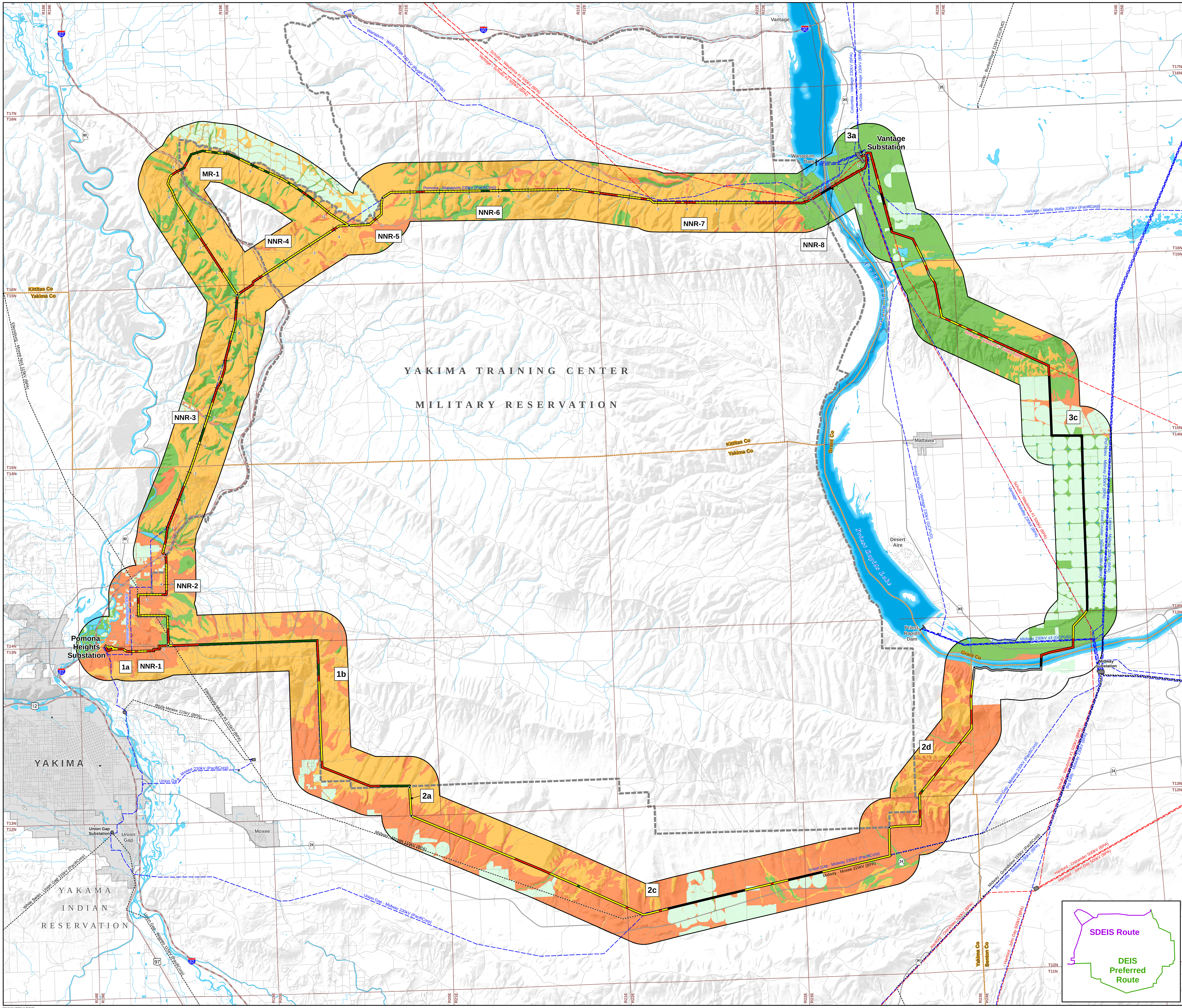
0 1 2 3 4 5 Miles

PACIFIC POWER A DIVISION OF PACIFICORP

POWER ENGINEERS

Vantage - Pomona Heights 230 kV Transmission Line Project

# Soil Erosion Potential by Water




**Legend**

**Route Features**
- Route Node
- Alternative Route
- 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
- Agricultural Area

**Existing Transmission Facilities**
- 500kV Transmission Line
- 230kV Transmission Line
- 115kV Transmission Line
- Substation

**Boundaries**
- County
- Township
- City Boundary
- Yakima Training Center

**Transportation**
- Interstate Highway
- US Highway
- State Route
- Local Access Road

**Water Features**
- River or Perennial Stream
- Open Water

Data are projected in UTM Zone 10N, NAD83

0 0.5 1 2 3
Miles

PACIFIC POWER A DIVISION OF PACIFICORP
POWER ENGINEERS

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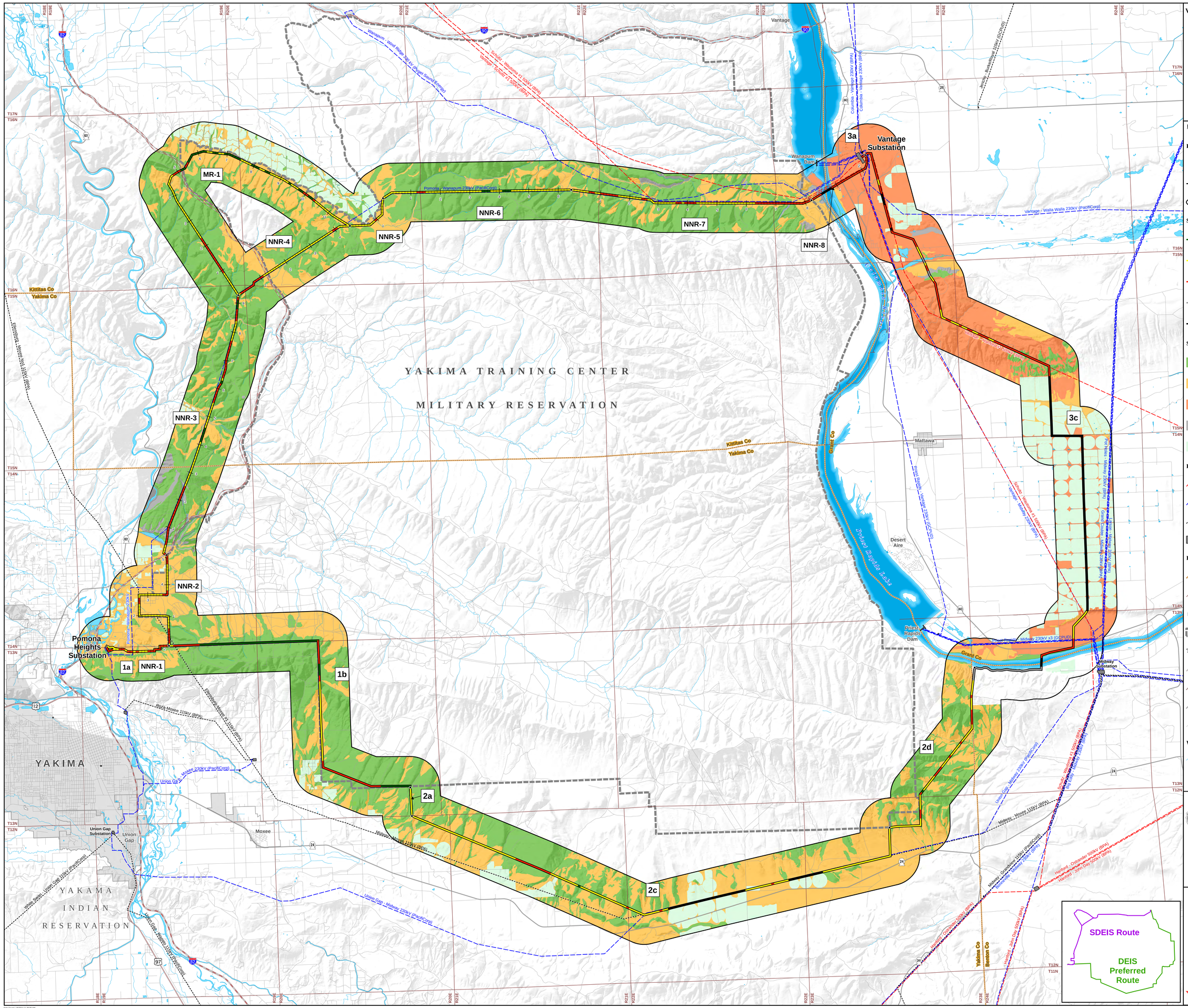
# Vantage - Pomona Heights 230 kV Transmission Line Project

# Soil Erosion Potential by Wind




## Legend

**Route Features**

- Route Node
- Alternative Route
- 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 Transmission Facilities**

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

**Boundaries**

- County
- Township
- City Boundary
- Yakima Training Center

**Transportation**

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

**Water Features**

- River or Perennial Stream
- Open Water

WASHINGTON
OREGON
IDAHO
PROJECT LOCATION

Data are projected in UTM Zone 10N, NADB3

N

0 0.5 1 2 3
Miles

PACIFIC POWER
A DIVISION OF PACIFICORP
POWER ENGINEERS

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