

Riley Ridge to Natrona Project

APPENDIX

C

SCOPING MEETING DISPLAYS

Appendix C

Scoping Meeting Displays

BLM Poster Boards

Riley Ridge to Natrona Project

Environmental Impact Statement

Welcome

Public Scoping Meeting 4 p.m. to 7 p.m.

Wyoming

Rock Springs – July 14

Big Piney – July 15

Lander – July 16

Casper – July 17

BLM

High Desert District – Rock Springs Field Office



Riley Ridge to Natrona Project

Environmental Impact Statement

Project Description

- Proponent – Denbury Green Pipeline–Riley Ridge Company, LLC
- 245-mile Pipeline - Sublette County, Wyoming to Natrona County, Wyoming
 - 16-inch Pipeline
 - 31 miles
 - 75-foot temporary construction right-of-way (ROW)
 - 50-foot permanent ROW
 - 24-inch Pipeline
 - 214 miles
 - 100-foot temporary construction ROW
 - 50-foot permanent ROW
- Riley Ridge Sweetening Plant
 - 4.3-acre site in south-central Sublette County
 - Needed to separate hydrogen sulfide (H₂S) from the carbon dioxide
 - Two on-site H₂S injection wells
- Transmission line to Sweetening Plant
 - An existing 230-kilovolt (kV) line will supply power via a 0.9-mile, 69-kV line to the Sweetening Plant

Riley Ridge to Natrona Project

Environmental Impact Statement

Keys to Making Effective Comments

- Be specific. It is helpful to state particular reasons rather than make broad statements.
- Focus your comments on particular environmental resources and provide as much detail as possible.
- The most effective comments are those that identify issues and concerns related to the proposed project.

Comments are not counted as votes; rather they are used to ensure that potential issues are adequately identified for consideration in preparation of alternatives to the proposed project. Some examples of comments could include:

“We would prefer that this project employs a local workforce.”

“This EIS needs to consider using other transmission or pipeline corridors in the area.”

Riley Ridge to Natrona Project

Environmental Impact Statement

Opportunities to Provide Scoping Comments

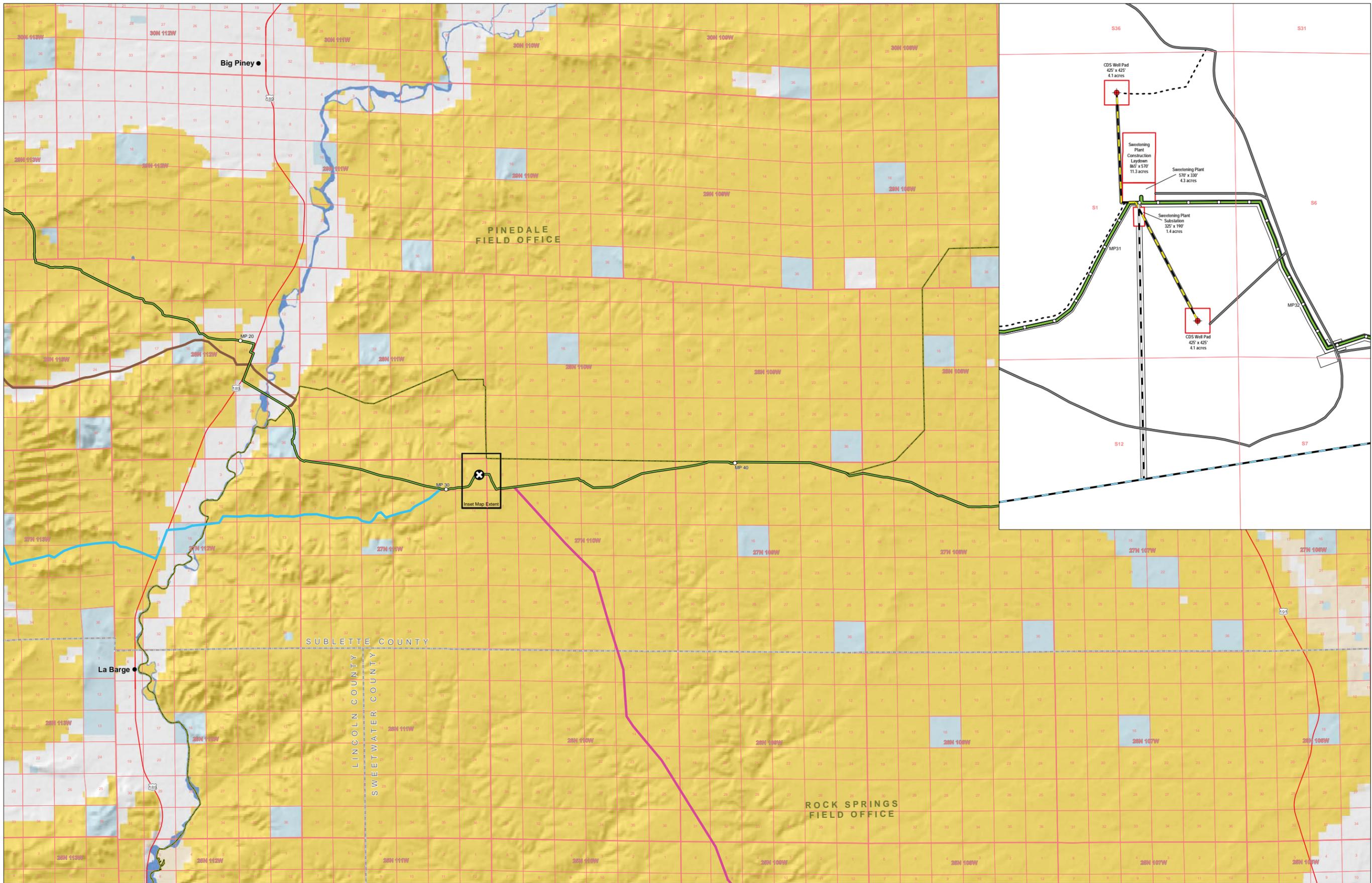
- Written comments turned in today
- Verbal comments provided to the court reporter today
- Written comments mailed or delivered by August 1, 2014 to:

BLM High Desert District
Attn: Jim Stobaugh
BLM National Project Manager
Riley Ridge to Natrona Project
280 Highway 191 North
Rock Springs, WY 82901

- Comments emailed by August 1, 2014 to:

BLM_WY_RRNP@blm.gov

BLM Maps



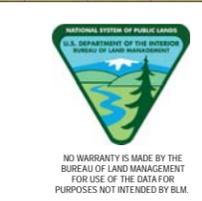
- CITY / TOWN
- ⊗ SWEETENING PLANT
- ⊕ FIELD OFFICE BOUNDARY
- COUNTY BOUNDARY
- TOWNSHIP/RANGE BOUNDARY
- SECTION BOUNDARY

- ROUTE OPTIONS***
- ROUTE OPTION A (CURRENTLY PROPOSED)
 - ROUTE OPTION B
 - ROUTE OPTION C
 - ROUTE OPTION D
- *NO NEPA ALTERNATIVES HAVE BEEN DETERMINED TO DATE

- SWEETENING PLANT INFRASTRUCTURE (PROPOSED)**
- HYDROGEN SULFIDE (H₂S) INJECTION WELL
 - H₂S LINE
 - TRANSMISSION LINE (PROPOSED)
 - TRANSMISSION LINE (EXISTING)
 - FACILITY
 - RIGHT-OF-WAY

- MILEPOST
- IMPROVED ROAD
- UNIMPROVED ROAD
- U.S. HIGHWAY

- SURFACE LAND OWNERSHIP**
- BUREAU OF LAND MANAGEMENT
 - BUREAU OF RECLAMATION
 - STATE
 - PRIVATE

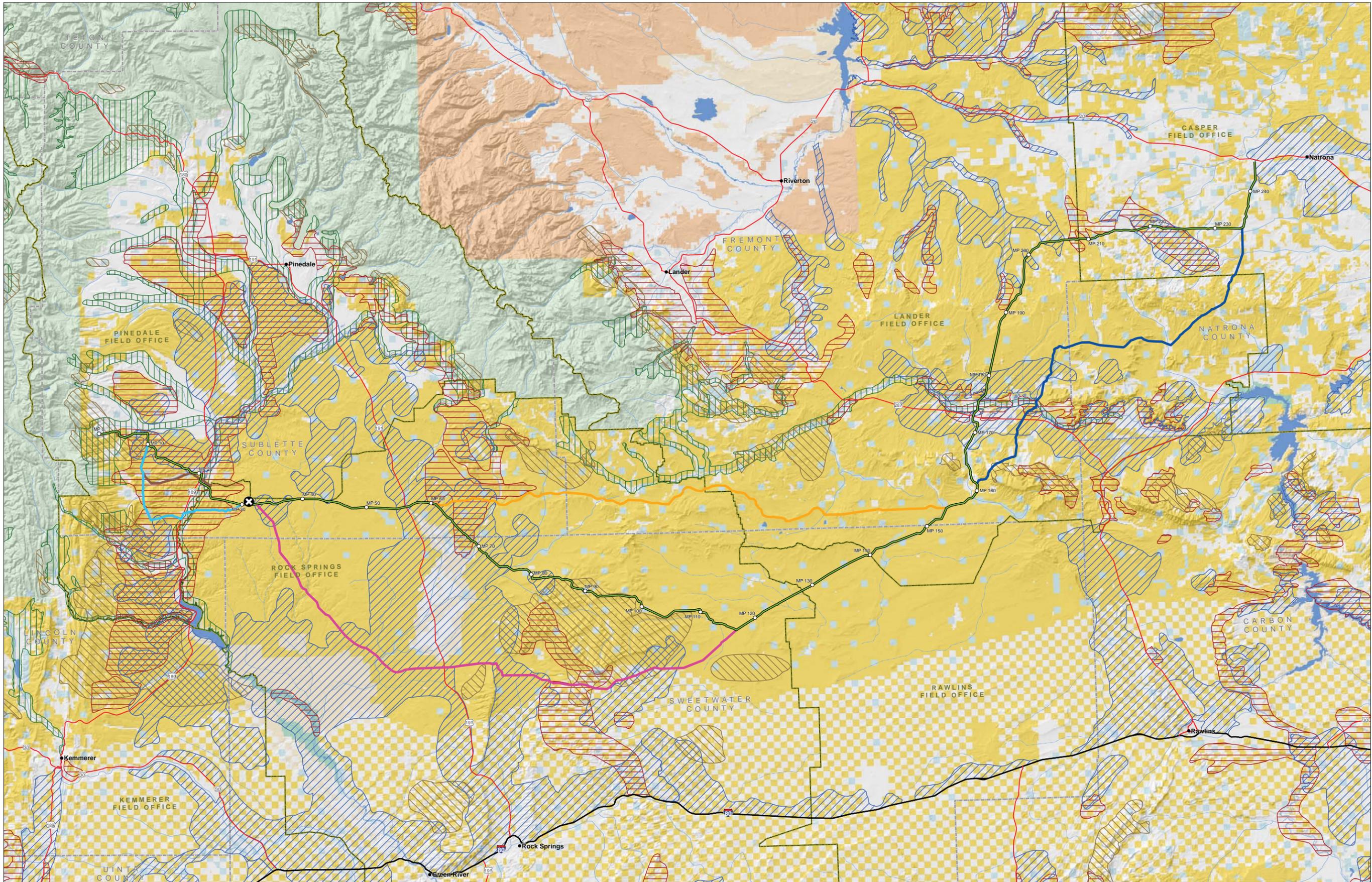


SWEETENING PLANT LOCATION AND ASSOCIATED FACILITIES
RILEY RIDGE TO NATRONA PROJECT

0 1 2 4 6 8 Miles

MAP PROJECTION: UTM ZONE 12 NORTH, DATUM: NAD83

MAP PREPARED: 7/8/2014



- CITY/TOWN
- MILEPOST
- ⊗ SWEETENING PLANT
- U.S. INTERSTATE
- U.S. HIGHWAY
- FIELD OFFICE BOUNDARY
- COUNTY BOUNDARY

- ROUTE OPTIONS***
- ROUTE OPTION A (CURRENTLY PROPOSED)
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 - ROUTE OPTION F
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- BIG GAME CRUCIAL WINTER RANGE**
- ▨ ANTELOPE
 - ▨ ELK
 - ▨ MULE DEER
 - ▨ MOOSE

- SURFACE LAND OWNERSHIP**
- BUREAU OF LAND MANAGEMENT
 - BUREAU OF INDIAN AFFAIRS
 - BUREAU OF RECLAMATION
 - DEPT. OF DEFENSE / U.S. ARMY CORPS OF ENGINEERS
 - U.S. FISH & WILDLIFE SERVICE
 - U.S. FOREST SERVICE
 - STATE
 - PRIVATE

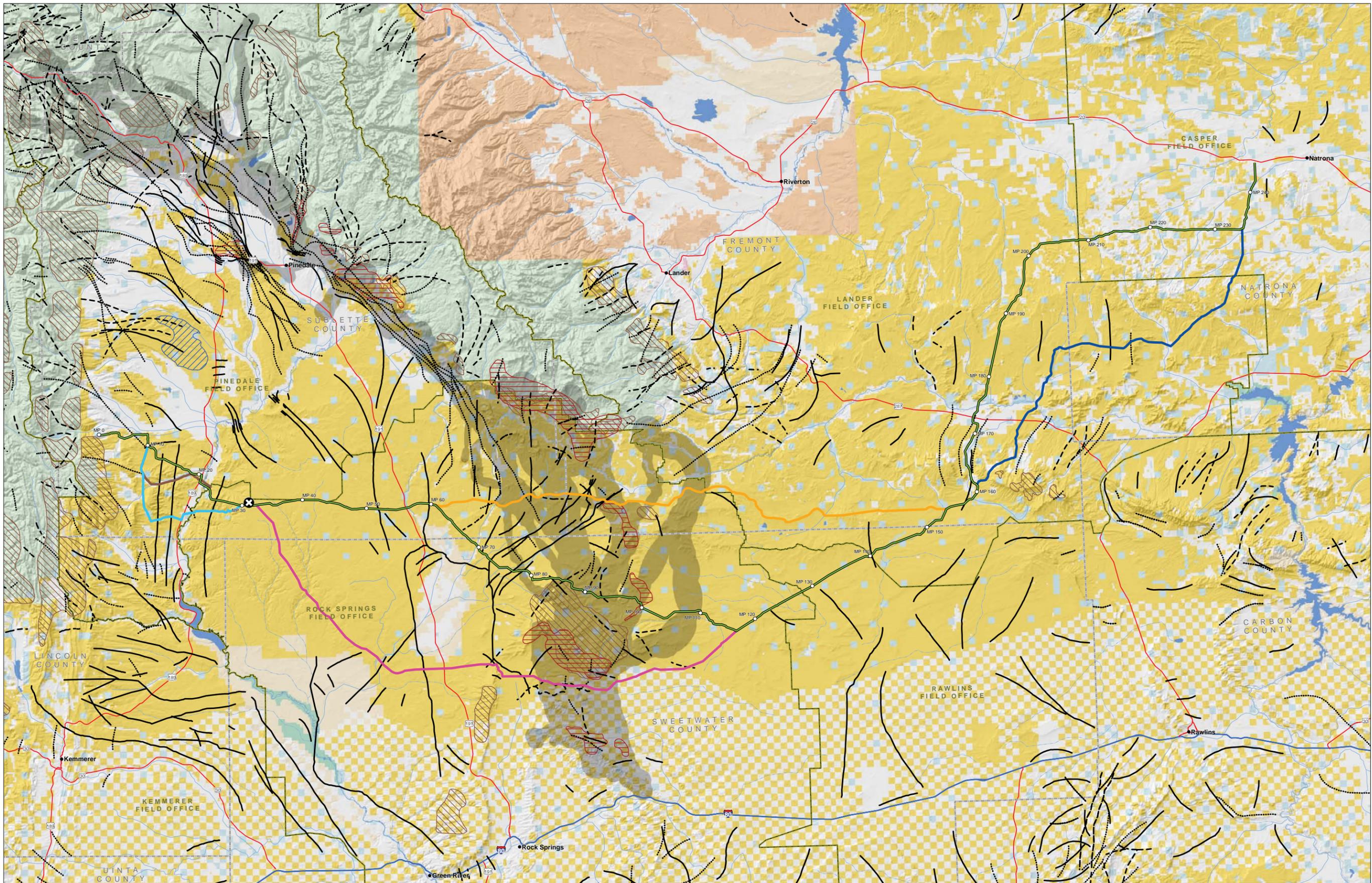


BIG GAME CRUCIAL WINTER RANGE
RILEY RIDGE TO NATRONA PROJECT

0 10 20 40 Miles

MAP PROJECTION: UTM ZONE 12 NORTH, DATUM: NAD83

MAP PREPARED: 7/8/2014



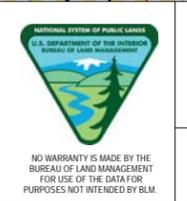
- CITY / TOWN
- MILEPOST
- ⊗ SWEETENING PLANT
- U.S. INTERSTATE
- U.S. HIGHWAY
- FIELD OFFICE BOUNDARY
- COUNTY BOUNDARY

- ROUTE OPTIONS***
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 - ROUTE OPTION F
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- BIG GAME PARTURITION AREAS**
- ▨ ANTELOPE
 - ▨ ELK
 - ▨ MULE DEER

- BIG GAME MIGRATION ROUTES**
- ANTELOPE
 - ELK
 - MULE DEER
 - MULE DEER (SAWYER 2014)

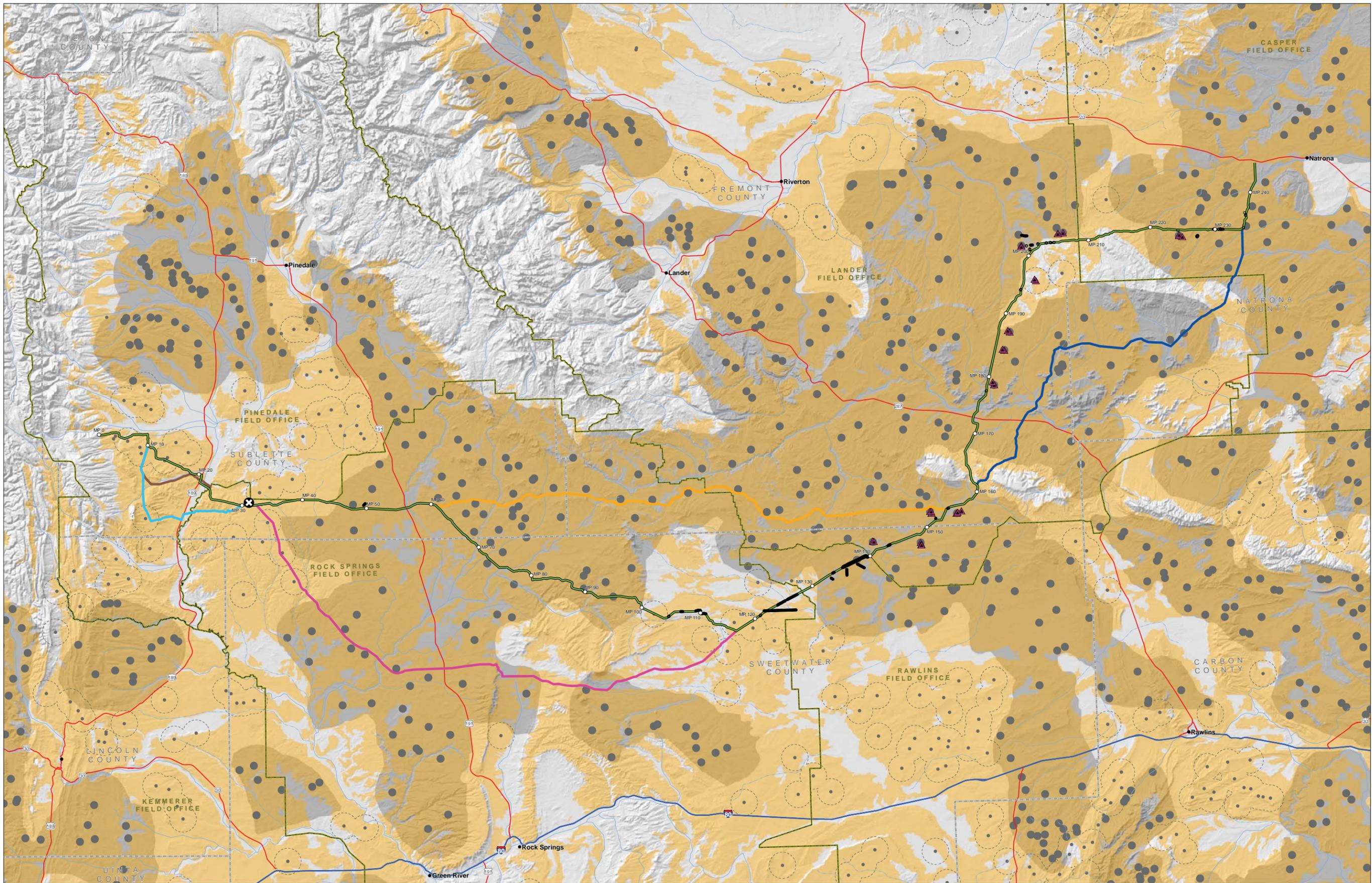
- SURFACE LAND OWNERSHIP**
- BUREAU OF LAND MANAGEMENT
 - BUREAU OF INDIAN AFFAIRS
 - BUREAU OF RECLAMATION
 - DEPT. OF DEFENSE / U.S. ARMY CORP. OF ENGINEERS
 - U.S. FISH & WILDLIFE SERVICE
 - U.S. FOREST SERVICE
 - STATE
 - PRIVATE



BIG GAME PARTURITION AND MIGRATION ROUTES
RILEY RIDGE TO NATRONA PROJECT

0 10 20 40 Miles

MAP PROJECTION: UTM ZONE 12 NORTH, DATUM: NAD83
 MAP PREPARED: 7/8/2014



- CITY / TOWN
- MILEPOST
- ⊗ SWEETENING PLANT
- ⚡ U.S. INTERSTATE
- ⚡ U.S. HIGHWAY
- ⬡ FIELD OFFICE BOUNDARY
- ⬡ COUNTY BOUNDARY

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- ▲ GREATER SAGE-GROUSE LEK (SURVEYED APRIL-MAY, 2013)
- LEK NO SURFACE OCCUPANCY AREA (0.25-MILE RADIUS)
- LEK NO SURFACE OCCUPANCY AREA (0.6-MILE RADIUS)
- NESTING BUFFER (2-MILE RADIUS)
- ⊗ GREATER SAGE-GROUSE CORE AREA

- 🐇 PYGMY RABBIT POTENTIAL HABITAT (SAGEBRUSH)
- 🐔 MOUNTAIN PLOVER HABITAT (SURVEYED MAY-AUGUST, 2012)

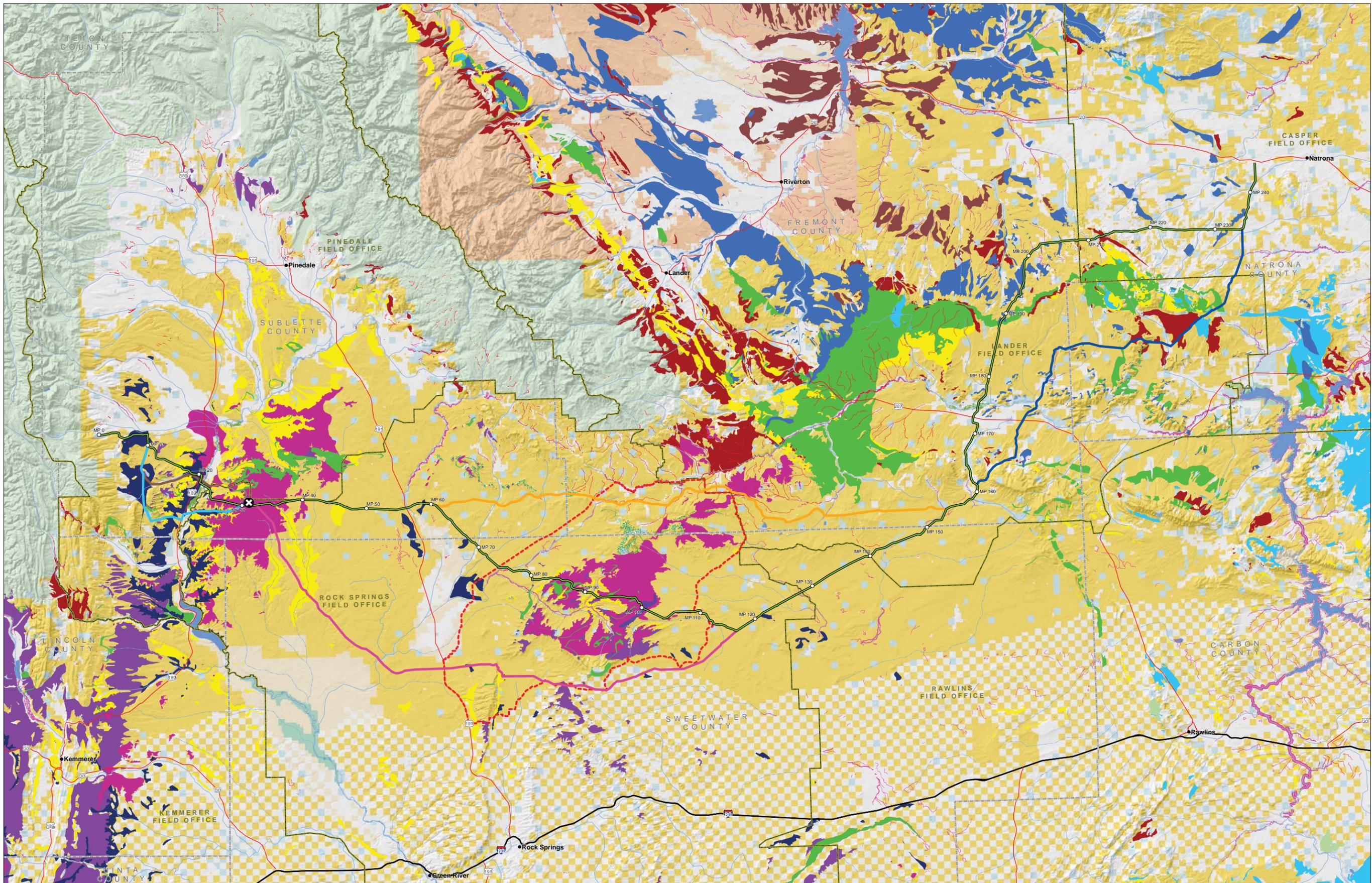


GREATER SAGE-GROUSE AND SENSITIVE SPECIES HABITAT
RILEY RIDGE TO NATRONA PROJECT

0 10 20 40 Miles

MAP PROJECTION: UTM ZONE 12 NORTH, DATUM: NAD83

MAP PREPARED: 7/8/2014



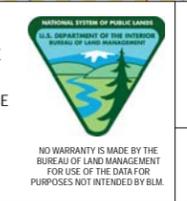
- CITY / TOWN
- MILEPOST
- ⊗ SWEETENING PLANT
- U.S. INTERSTATE
- U.S. HIGHWAY
- FIELD OFFICE BOUNDARY
- COUNTY BOUNDARY
- JACK MORROW HILLS

- ROUTE OPTIONS***
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- *NO NEPA ALTERNATIVES HAVE BEEN DETERMINED TO DATE

- *Antennaria Arcuata*
- *Artemisia Porterii*
- *Astragalus Diversifolius*
- *Astragalus Racemosus var Treleasei*
- *Cirsium Aridum*
- *Cleome Multicaulis*
- *Cryptantha Subcapitata*
- *Lesquerella Macrocarpa*
- *Penslemont Acaulis*

- *Penslemont Gibbensii*
- *Phlox Pungens*
- *Physaria Condensata*
- *Physaria Saximontana var Saximontana*
- *Pinus Flexilis*
- *Rorippa Calycina*
- *Sphaeromeria Simplex*
- *Spiranthes Diluvialis*

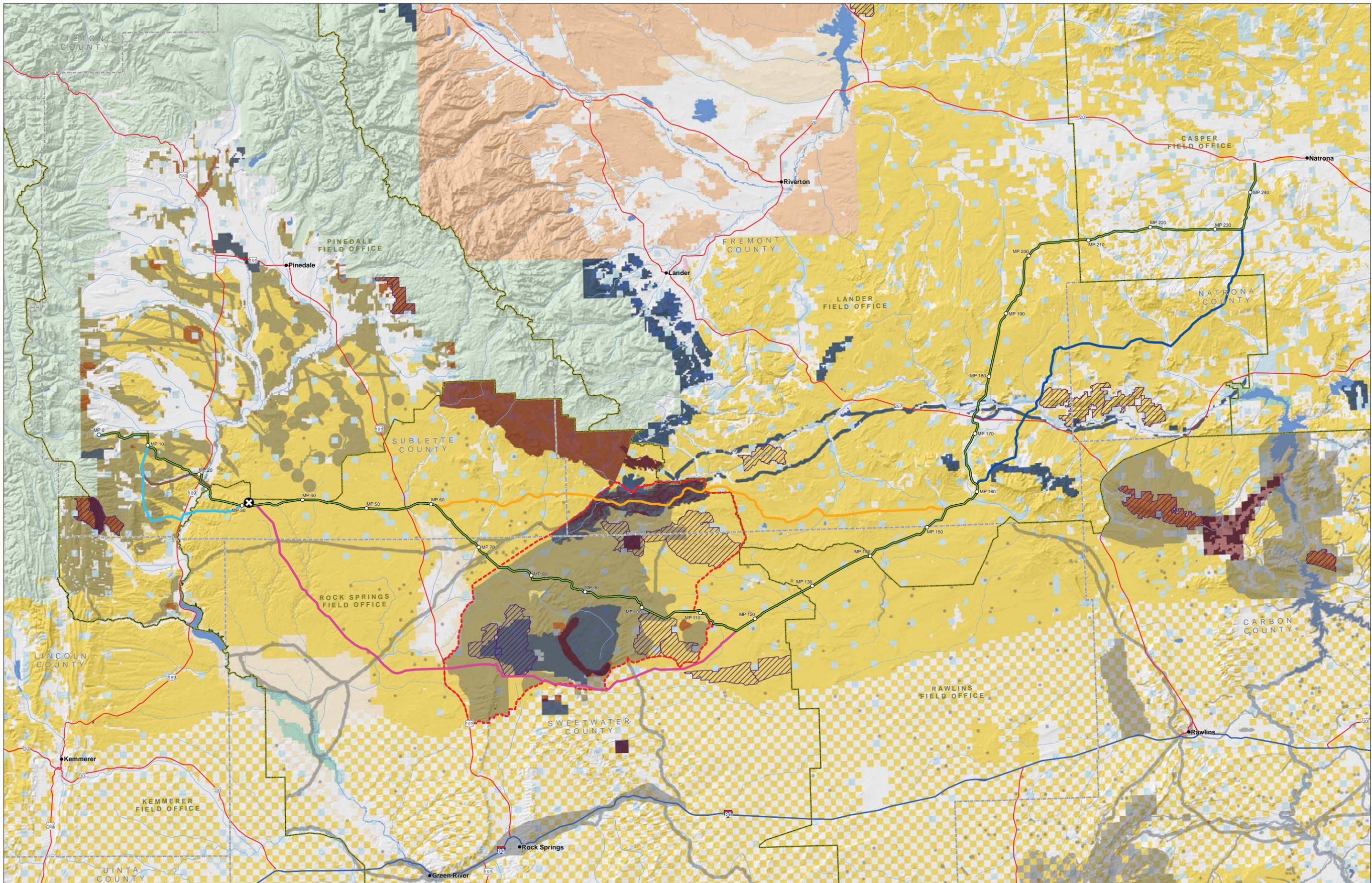
- SURFACE LAND OWNERSHIP**
- BUREAU OF LAND MANAGEMENT
 - BUREAU OF INDIAN AFFAIRS
 - BUREAU OF RECLAMATION
 - DEPT. OF DEFENSE / U.S. ARMY CORPS OF ENGINEERS
 - U.S. FISH & WILDLIFE SERVICE
 - U.S. FOREST SERVICE
 - STATE
 - PRIVATE



SENSITIVE, THREATENED & ENDANGERED PLANT SPECIES
RILEY RIDGE TO NATRONA PROJECT

0 10 20 40 Miles

MAP PROJECTION: UTM ZONE 12 NORTH, DATUM: NAD83 MAP PREPARED: 7/8/2014



- CITY / TOWN
- MILEPOST
- ⊗ SWEETENING PLANT
- U.S. INTERSTATE
- U.S. HIGHWAY
- FIELD OFFICE BOUNDARY
- COUNTY BOUNDARY

- ROUTE OPTIONS***
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 - ROUTE OPTION F
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- SPECIAL DESIGNATION AREAS**
- JACK MORROW HILLS
 - AREA OF CRITICAL ENVIRONMENTAL CONCERN
 - WILDERNESS STUDY AREA
 - RIGHT-OF-WAY AVOIDANCE AREA
 - RIGHT-OF-WAY EXCLUSION AREA

- SURFACE LAND OWNERSHIP**
- BUREAU OF LAND MANAGEMENT
 - BUREAU OF INDIAN AFFAIRS
 - BUREAU OF RECLAMATION
 - DEPT. OF DEFENSE / U.S. ARMY CORPS OF ENGINEERS
 - U.S. FISH & WILDLIFE SERVICE
 - U.S. FOREST SERVICE
 - STATE
 - PRIVATE



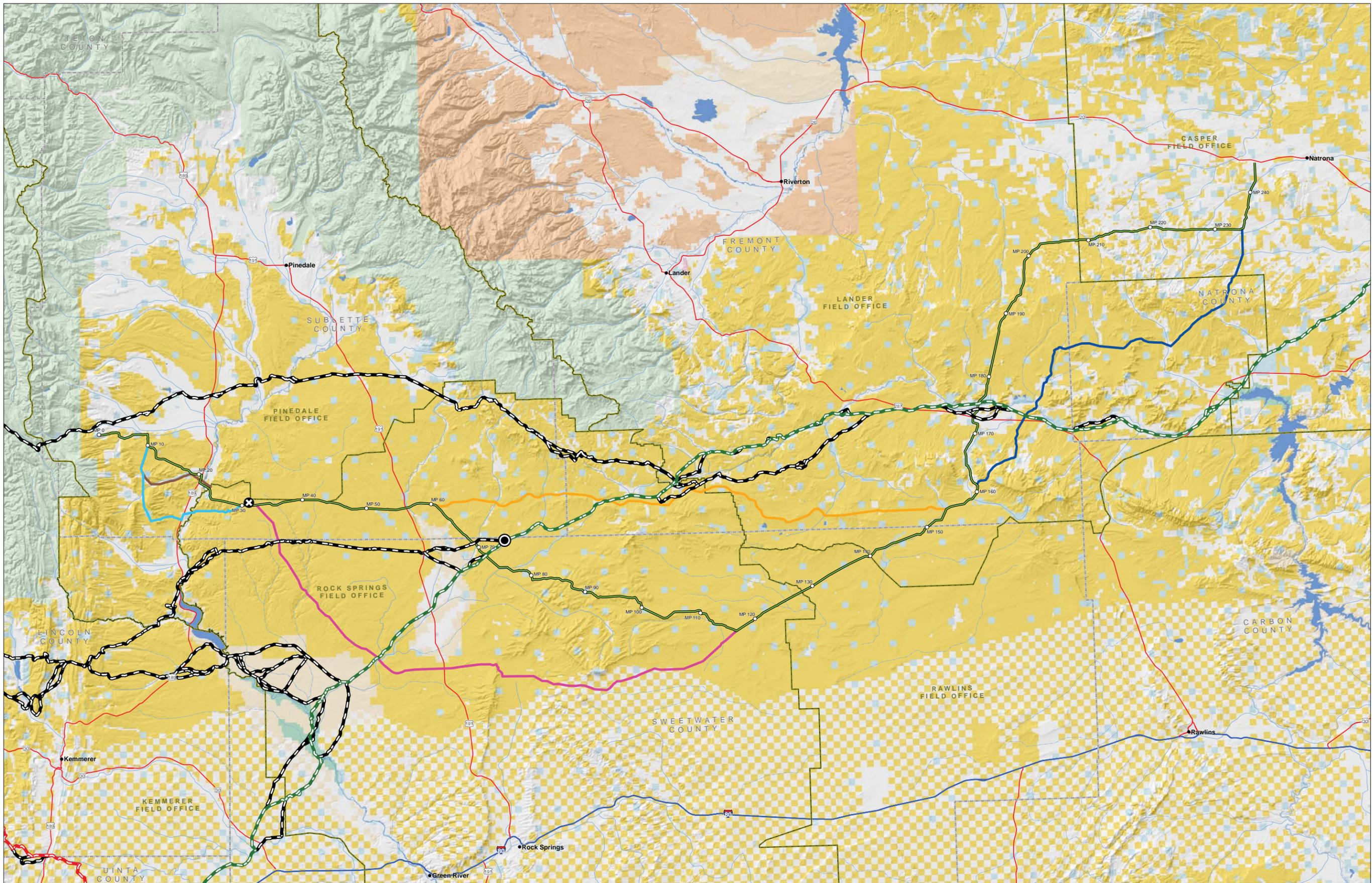
SPECIAL DESIGNATION AREAS

RILEY RIDGE TO NATRONA PROJECT

0 10 20 40 Miles

MAP PROJECTION: UTM ZONE 12 NORTH, DATUM: NAD83

MAP PREPARED: 7/8/2014



- CITY / TOWN
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- ▭ FIELD OFFICE BOUNDARY
- ▭ COUNTY BOUNDARY

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- NATIONAL HISTORIC TRAILS**
- CALIFORNIA TRAIL*
 - PONY EXPRESS / MORMON / OREGON TRAIL
 - OREGON TRAIL
- *ALL TRAILS SHOWN ON MAP COMPRISE THE CALIFORNIA TRAIL
- PARTING OF THE WAYS

- SURFACE LAND OWNERSHIP**
- BUREAU OF LAND MANAGEMENT
 - BUREAU OF INDIAN AFFAIRS
 - BUREAU OF RECLAMATION
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 - U.S. FISH & WILDLIFE SERVICE
 - U.S. FOREST SERVICE
 - STATE
 - PRIVATE

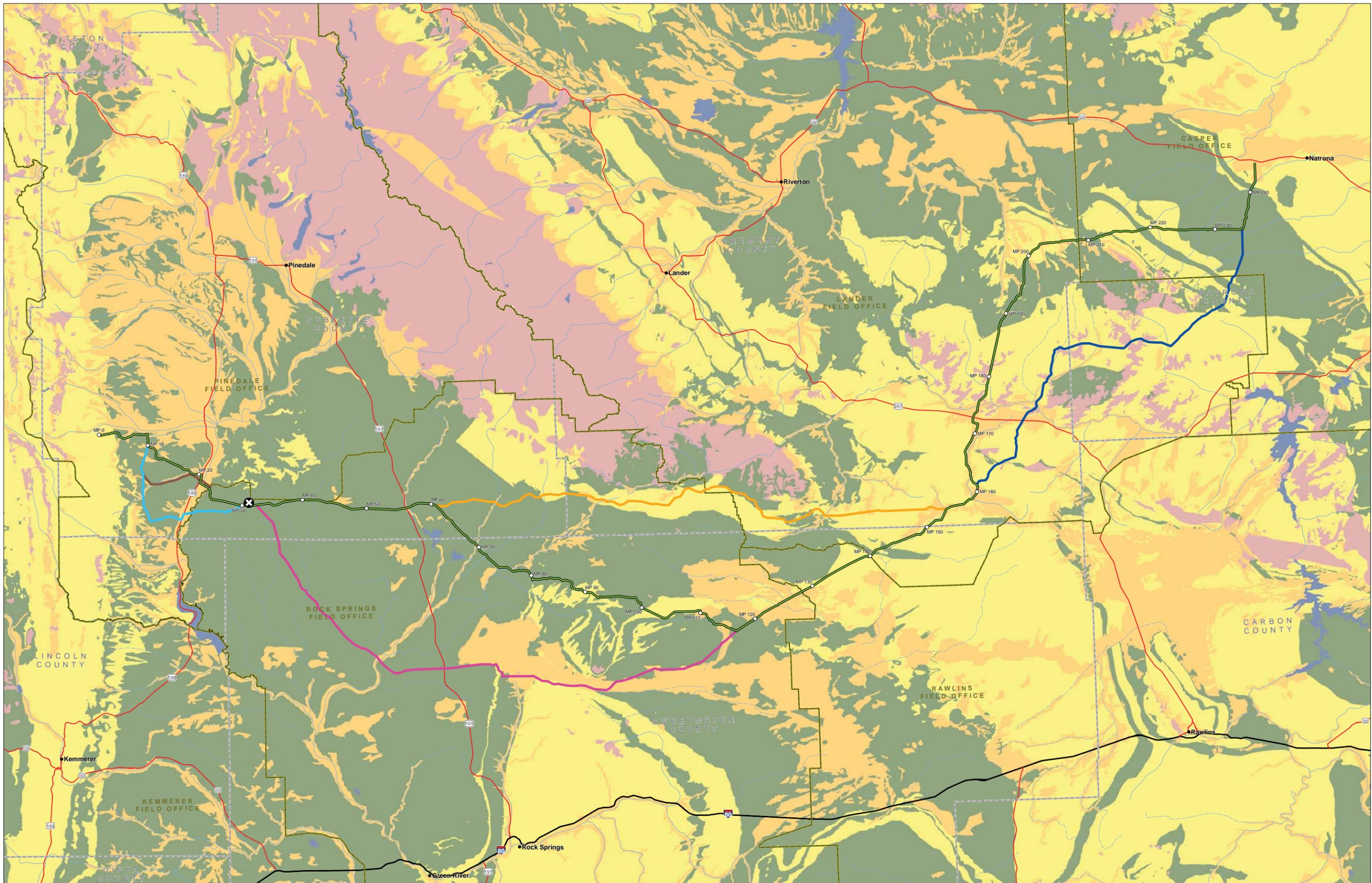


NATIONAL HISTORIC TRAILS

RILEY RIDGE TO NATRONA PROJECT

MAP PROJECTION: UTM ZONE 12 NORTH, DATUM: NAD83

MAP PREPARED: 7/8/2014



- CITY / TOWN
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- PALEONTOLOGICAL POTENTIAL FOSSIL YIELD CLASSIFICATION**
- CLASS 0 (WATER)
 - CLASS 1 (VERY LOW)
 - CLASS 2 (LOW)
 - CLASS 3 (MODERATE OR UNKNOWN)
 - CLASS 4 (HIGH)
 - CLASS 5 (VERY HIGH)

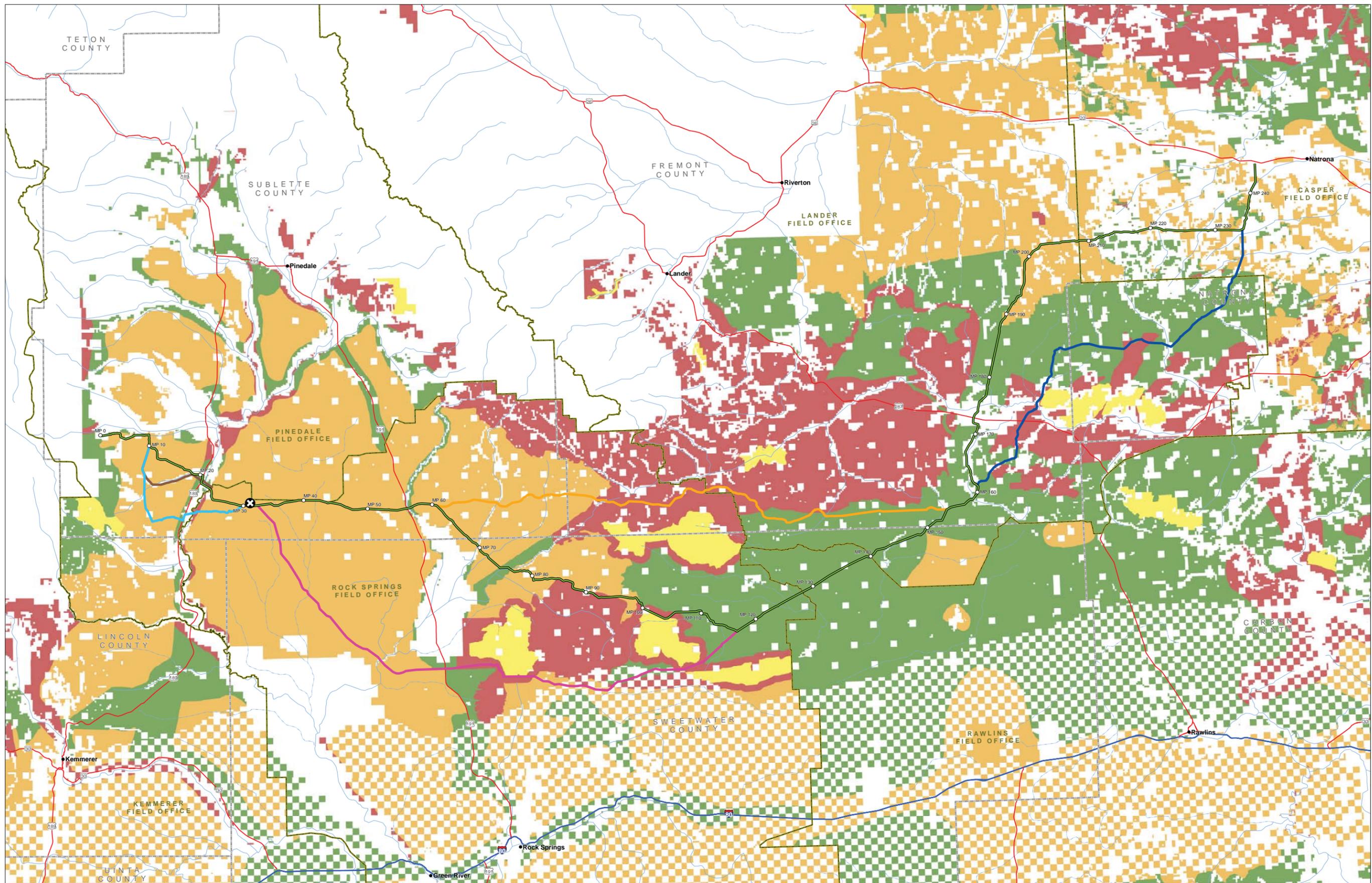


PALEONTOLOGICAL RESOURCES
RILEY RIDGE TO NATRONA PROJECT

0 10 20 40 Miles

MAP PROJECTION: UTM ZONE 12 NORTH, DATUM: NAD83

MAP PREPARED: 7/2/2014



- CITY/TOWN
- MILEPOST
- ⊗ SWEETENING PLANT
- U.S. INTERSTATE
- U.S. HIGHWAY
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- COUNTY BOUNDARY

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- VISUAL RESOURCE MANAGEMENT CLASSIFICATION (BLM LANDS ONLY)**
- CLASS I (preserve existing character of landscape)
 - CLASS II (retain existing character of landscape)
 - CLASS III (partially retain existing character of landscape)
 - CLASS IV (allow modification of existing character of landscape)



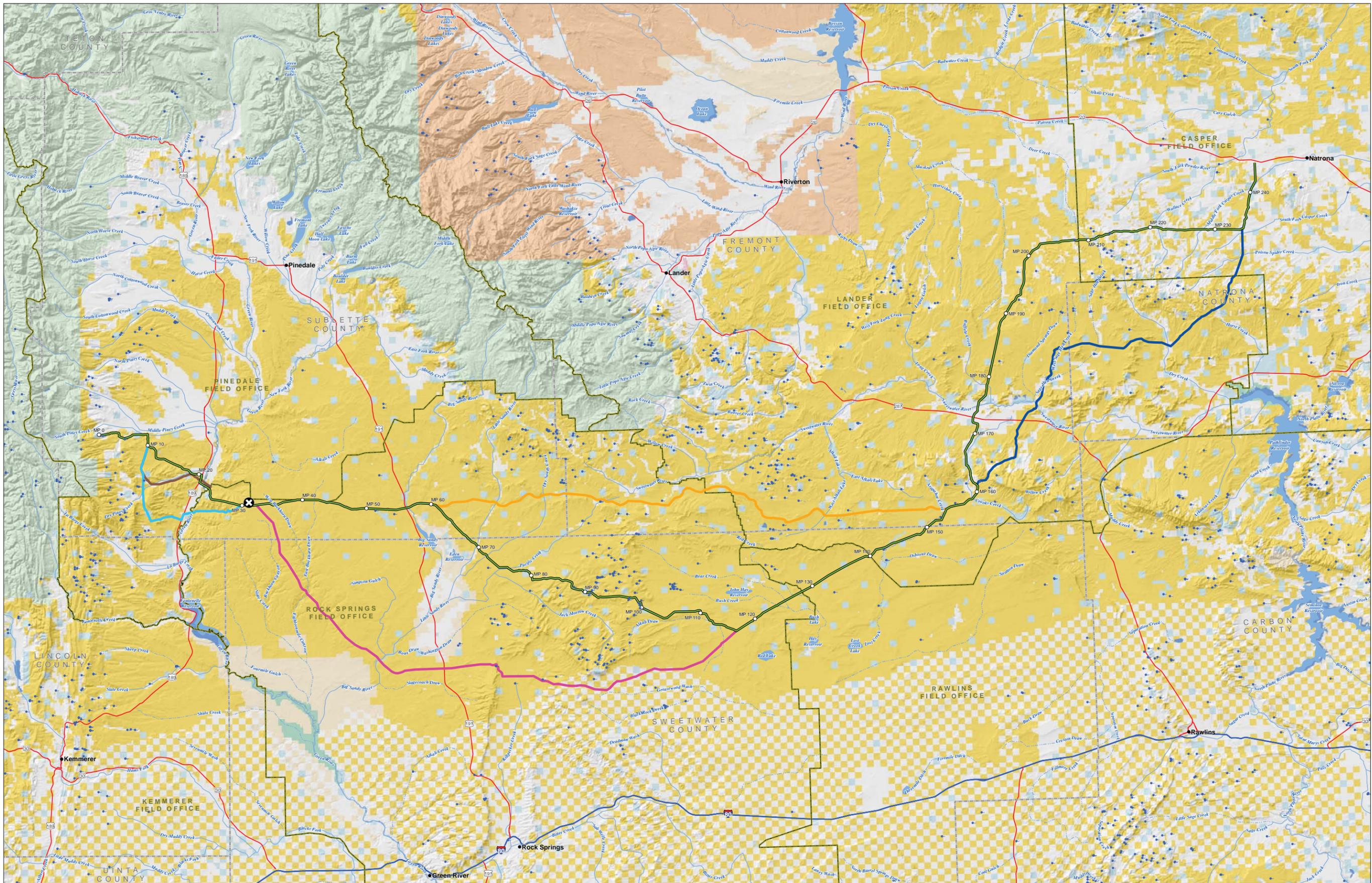
VISUAL RESOURCES

RILEY RIDGE TO NATRONA PROJECT

0 10 20 40 Miles

MAP PREPARATION: 7/8/2014

MAP PROJECTION: UTM ZONE 12 NORTH, DATUM: NAD83



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- HYDROLOGIC FEATURES**
- SPRING / SEEP
 - PERENNIAL STREAM/RIVER
 - INTERMITTENT STREAM/RIVER
 - LAKE/RESERVOIR

- SURFACE LAND OWNERSHIP**
- BUREAU OF LAND MANAGEMENT
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 - BUREAU OF RECLAMATION
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 - U.S. FISH & WILDLIFE SERVICE
 - U.S. FOREST SERVICE
 - STATE
 - PRIVATE



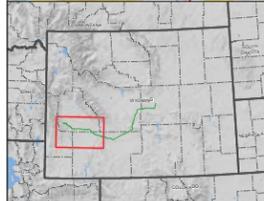
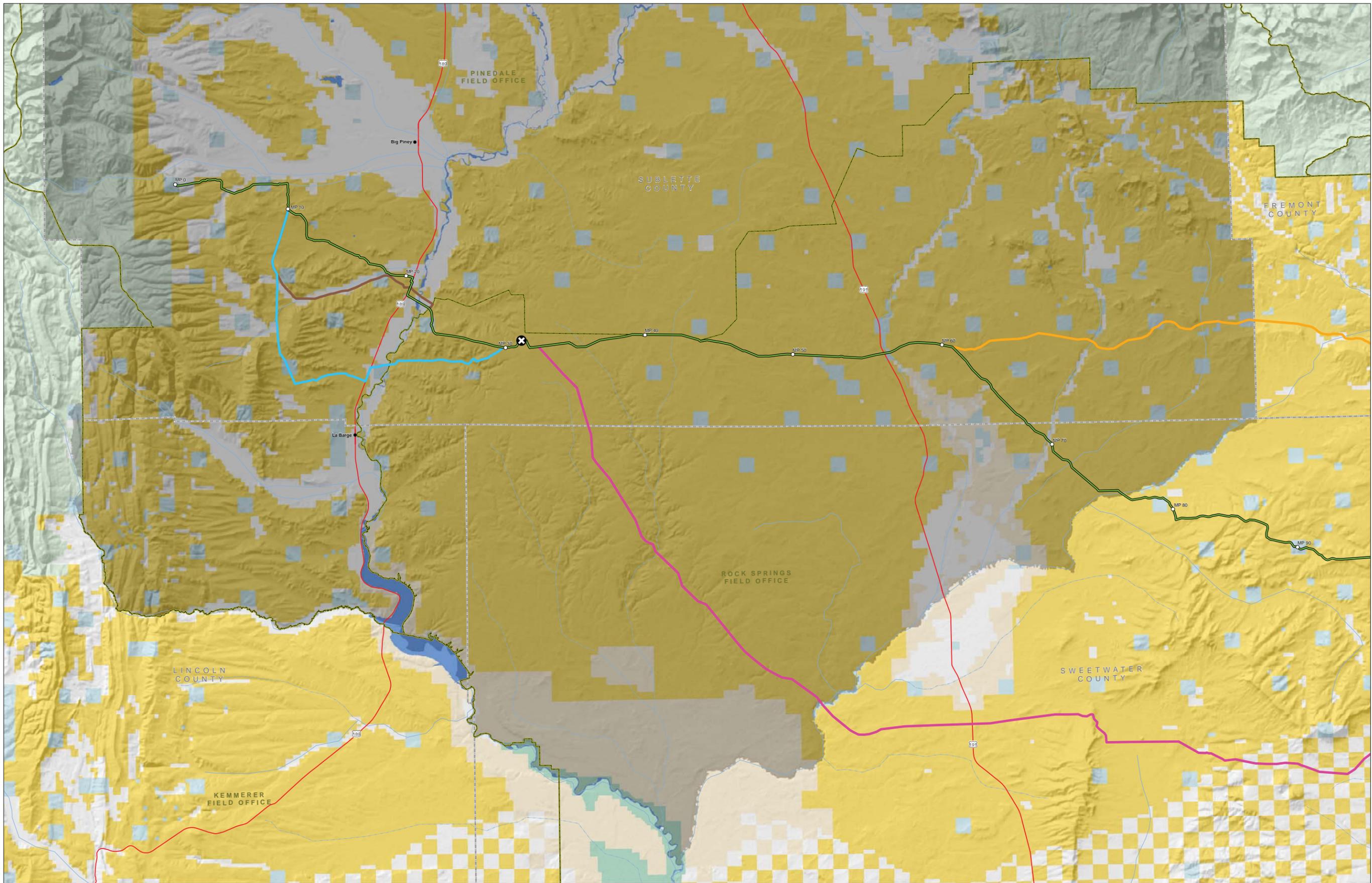
WATER RESOURCES

RILEY RIDGE TO NATRONA PROJECT

0 10 20 40 Miles

MAP PREPARATION: 7/8/2014

MAP PROJECTION: UTM ZONE 12 NORTH, DATUM: NAD83



- CITY / TOWN
- MILEPOST
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- U.S. HIGHWAY
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- 8-HOUR OZONE NONATTAINMENT CLASSIFICATION (2008 EPA STANDARD)**
- MARGINAL AREA

- SURFACE LAND OWNERSHIP**
- | | |
|--------------------------------|-----------------------|
| ■ BUREAU OF LAND MANAGEMENT | ■ U.S. FOREST SERVICE |
| ■ BUREAU OF RECLAMATION | ■ STATE |
| ■ U.S. FISH & WILDLIFE SERVICE | ■ PRIVATE |



NONATTAINMENT OZONE
RILEY RIDGE TO NATRONA PROJECT

MAP PROJECTION: UTM ZONE 12 NORTH, DATUM: NAD83

MAP PREPARED: 7/8/2014

BLM Handouts

Riley Ridge to Natrona Project

Environmental Impact Statement

National Historic Trails

- In the project area, four trails relating to Western migration have been designated by Congress as National Historic Trails under the 1968 National Trails System Act
 - Oregon Trail (1843-1868)
 - California Trail (1841-1868)
 - Mormon Pioneer Trail (1846-1868)
 - Pony Express Trail (1860-1861)
- Potential impacts and avoidance measures will be analyzed in conjunction with the National Historic Preservation Act/Section 106 Consultation.

Riley Ridge to Natrona Project

Environmental Impact Statement

Cultural Resources

Class I Cultural Resources Overview Report identified the following cultural resources

- Prehistoric Sites (open camps, cairns, lithic scatters, etc.)
- National Historic Trails
- Historic Resources (buildings, bridges, roads, irrigation canals, railroads, etc.)

BLM will conduct Section 106 Consultation

- Consultation will consist of meetings, emails, conferences calls and written correspondence with Indian tribes and consulting parties relating to the protection of historic properties
- Consultation will include:
 - Establishing the Area of Potential Effect
 - Reviewing Determinations of National Historic Preservation Act (NRHP) Eligibility
 - Determining the effects of the project on historic properties
 - Consulting with Indian tribes on properties of religious and cultural significance (including Traditional Cultural Properties)
 - Developing a programmatic agreement or memorandum of agreement that details how adverse effects will be mitigated



COMMENT FORM Riley Ridge to Natrona Project

BLM High Desert District
Attn: Jim Stobaugh
BLM National Project Manager
Riley Ridge to Natrona Project
280 Highway 191 North
Rock Springs, WY 82901
webpage: www.blm.gov/wy/st/en/info/NEPA/documents/rsfo/rrnp.html

The Bureau of Land Management (BLM) needs your comments on the proposed construction of approximately 245 miles of pipeline through Fremont, Sublette, Sweetwater and Natrona counties, Wyo. The first segment would include 31 miles of 16-inch pipeline transporting liquid hydrogen sulfide (H₂S) and carbon dioxide (CO₂) from the existing Riley Ridge Treating Plant located 18 miles southwest of Big Piney, Wyo., to a proposed sweetening plant to be located 12 miles northeast of LaBarge, Wyo. From the sweetening plant, a 24-inch pipeline would transport liquid CO₂ 129 miles through Sublette and Sweetwater counties to the Bairoil Interconnect located 50 miles northwest of Rawlins, Wyo. The second segment would include 83 miles of 24-inch pipeline transporting liquid CO₂ from the Bairoil Interconnect through Fremont and Natrona counties to the Greencore Pipeline at the Natrona Hub 30 miles west of Casper, Wyo. The project would also include a proposed sweetening plant where H₂S would be separated from the CO₂ stream and injected into a deep geological formation via two proposed adjacent H₂S injection wells. The right-of-way applications for the Riley Ridge to Natrona Project will be processed by the BLM under the authority of the Mineral Leasing Act of 1920, as amended. Denbury also will submit an Application for Permit to Drill for the two hydrogen sulfide (H₂S) injection wells associated with the Riley Ridge CO₂ Pipeline Project.

The most effective comments will address specific issues, concerns, ideas or mitigation opportunities related to the proposed project, including methodologies, sources of information and components of the alternatives. All comments received will be considered during BLM's decision-making process, but only specific, substantive and constructive comments will be addressed in the NEPA analysis. We need comments that not only state a preference for certain management actions in the alternatives, but also include a rationale for that preference. Please tell us what you think and why.

First Name _____ Last Name _____

Mailing Address _____

Phone _____ Email _____

Add you to the project's mailing list to receive future project-related information?

Yes No

Please indicate your affiliation by marking one of the following:

Individual (no affiliation) Non-Profit Organization Citizen's Group
 Government Agency Elected Representative Regulatory Agency

Name of organization, government, group, or agency (if applicable): _____

Please provide your comments on the back of this sheet. Attach additional pages to this sheet. Comments may be submitted at this public meeting or by:

- **Mail:** BLM High Desert District, Attn: Jim Stobaugh, BLM National Project Manager, Riley Ridge to Natrona Project, 280 Highway 191 North, Rock Springs, WY 82901
- **Email:** BLM_WY_RRNP@blm.gov - please include "Riley Ridge to Natrona Scoping" in the subject line.

Comments must be received by August 1, 2014.

