

SURFACE OWNERSHIP

LEGEND

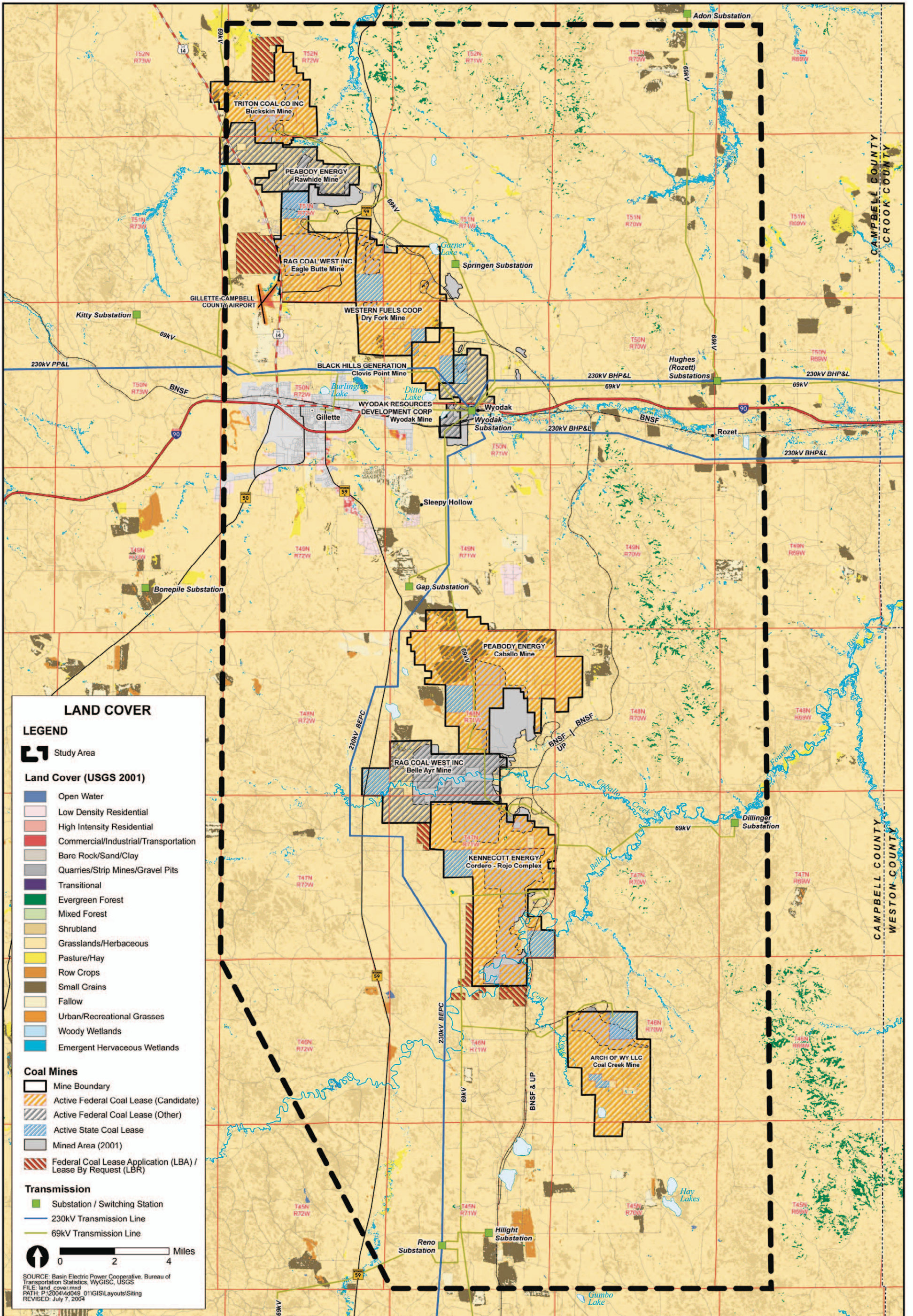
- Study Area
- Mineral Ownership**
 - Federal Minerals
- Surface Ownership**
 - Bureau of Land Management
 - National Grasslands
 - State
 - Private
- Coal Mines**
 - Mine Boundary
 - Active Federal Coal Lease (Candidate) Mine Responded to RFP
 - Active Federal Coal Lease (Other)
 - Active State Coal Lease
 - Mined Area (2001)
 - Federal Coal Lease Application (LBA) / Lease By Request (LBR)
- Transmission**
 - Substation / Switching Station
 - 230kV Transmission Line
 - 69kV Transmission Line

0 2 4 Miles

SOURCE: Basin Electric Power Cooperative, Bureau of Transportation Statistics, WycGIS
 FILE: surface_ownership.mxd
 PATH: P:\2004\4049_01\GIS\Layouts\Siting
 REVISED: July 7, 2004

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Figure 2 Project Area



LAND COVER

LEGEND

Study Area

Land Cover (USGS 2001)

- Open Water
- Low Density Residential
- High Intensity Residential
- Commercial/Industrial/Transportation
- Bare Rock/Sand/Clay
- Quarries/Strip Mines/Gravel Pits
- Transitional
- Evergreen Forest
- Mixed Forest
- Shrubland
- Grasslands/Herbaceous
- Pasture/Hay
- Row Crops
- Small Grains
- Fallow
- Urban/Recreational Grasses
- Woody Wetlands
- Emergent Herbaceous Wetlands

Coal Mines

- Mine Boundary
- Active Federal Coal Lease (Candidate)
- Active Federal Coal Lease (Other)
- Active State Coal Lease
- Mined Area (2001)
- Federal Coal Lease Application (LBA) / Lease By Request (LBR)

Transmission

- Substation / Switching Station
- 230kV Transmission Line
- 69kV Transmission Line

0 2 4 Miles

SOURCE: Basin Electric Power Cooperative, Bureau of Transportation Statistics, WYGISC, USGS
FILE: land_cover.mxd
PATH: P:\2004\4049_01\GIS\Layouts\Siting
REVISED: July 7, 2004

Figure 3 Land Use/Cover

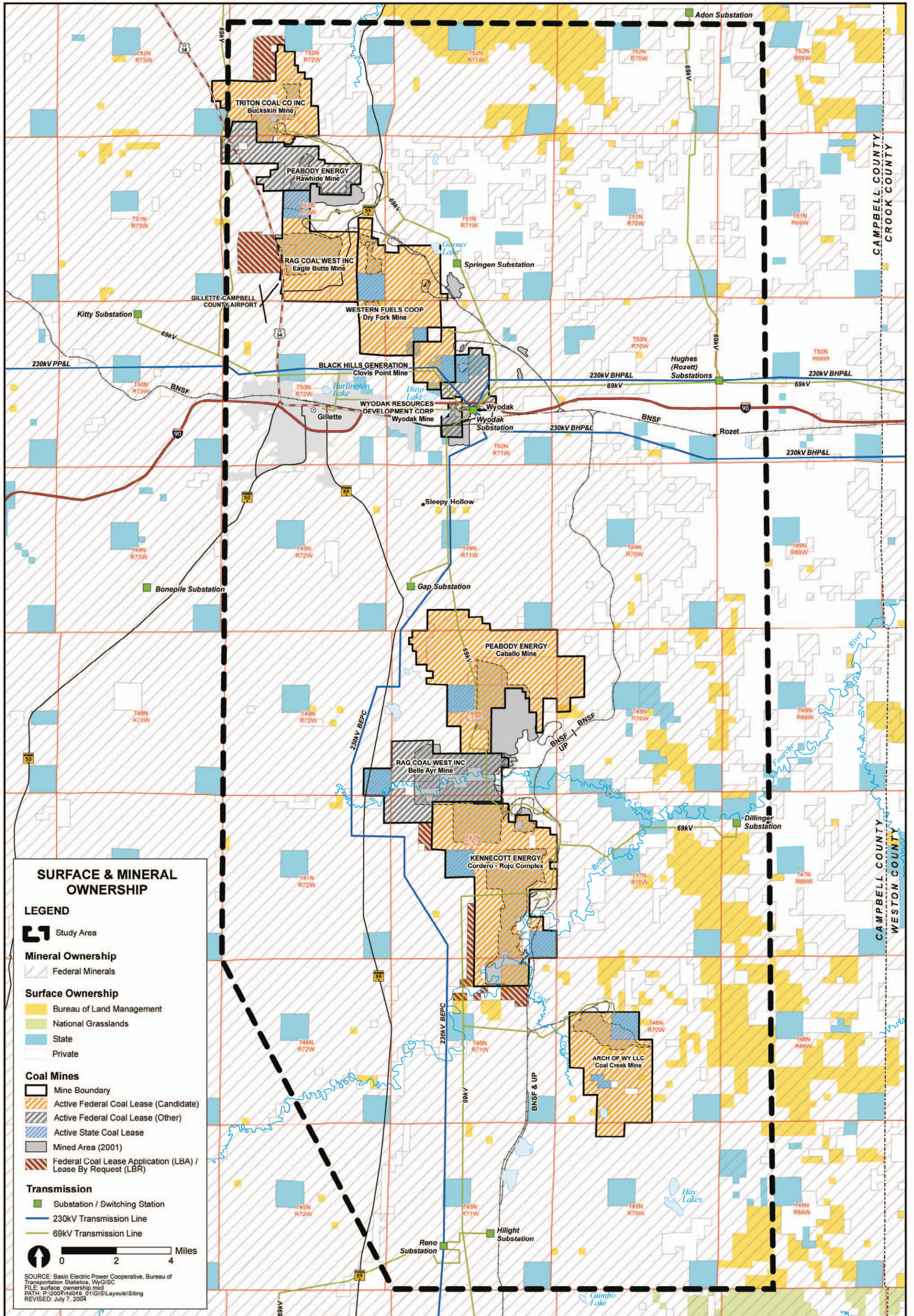


Figure 4 Coal Mines and Mineral Ownership

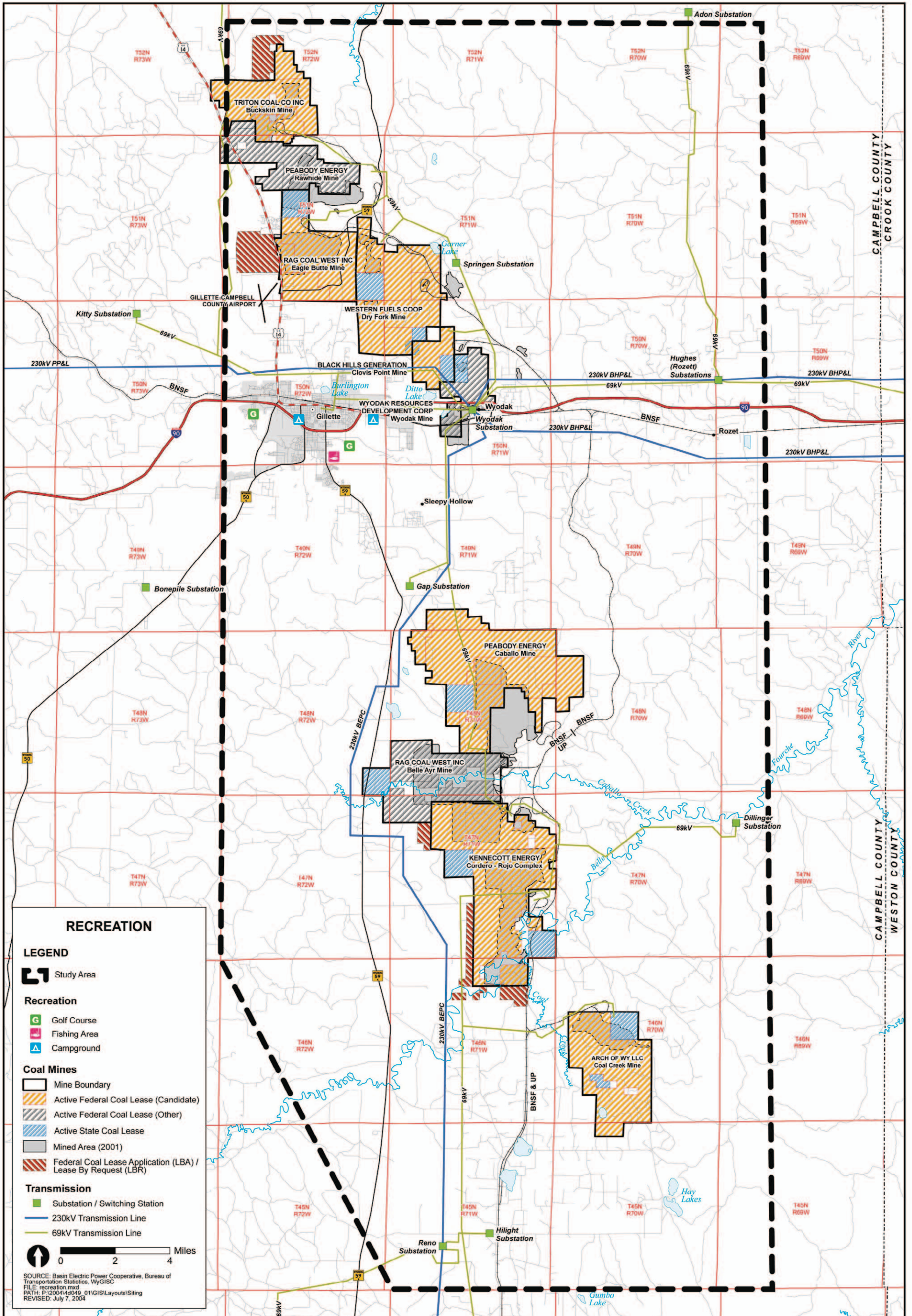


Figure 5 Recreation

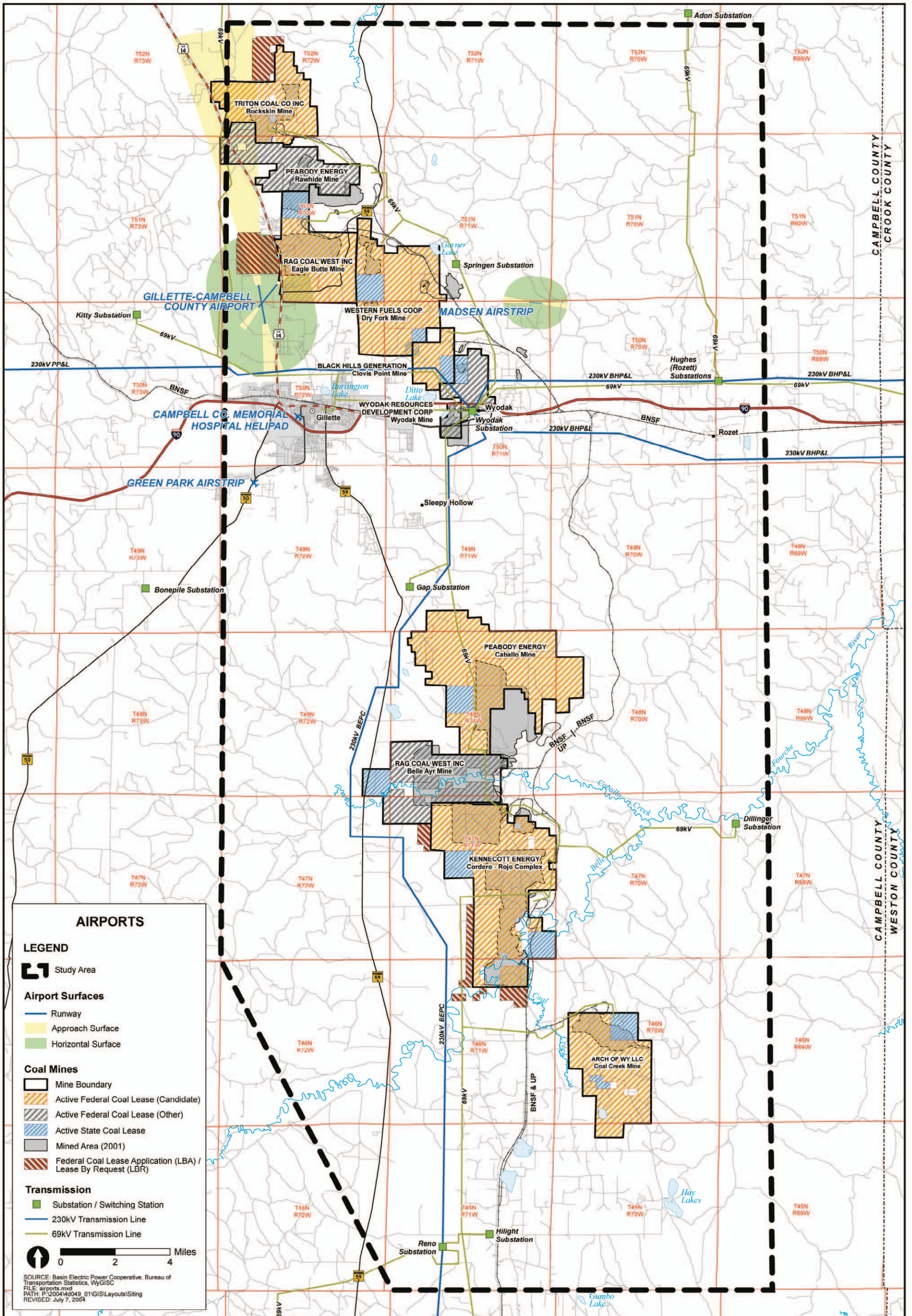


Figure 6 Airports

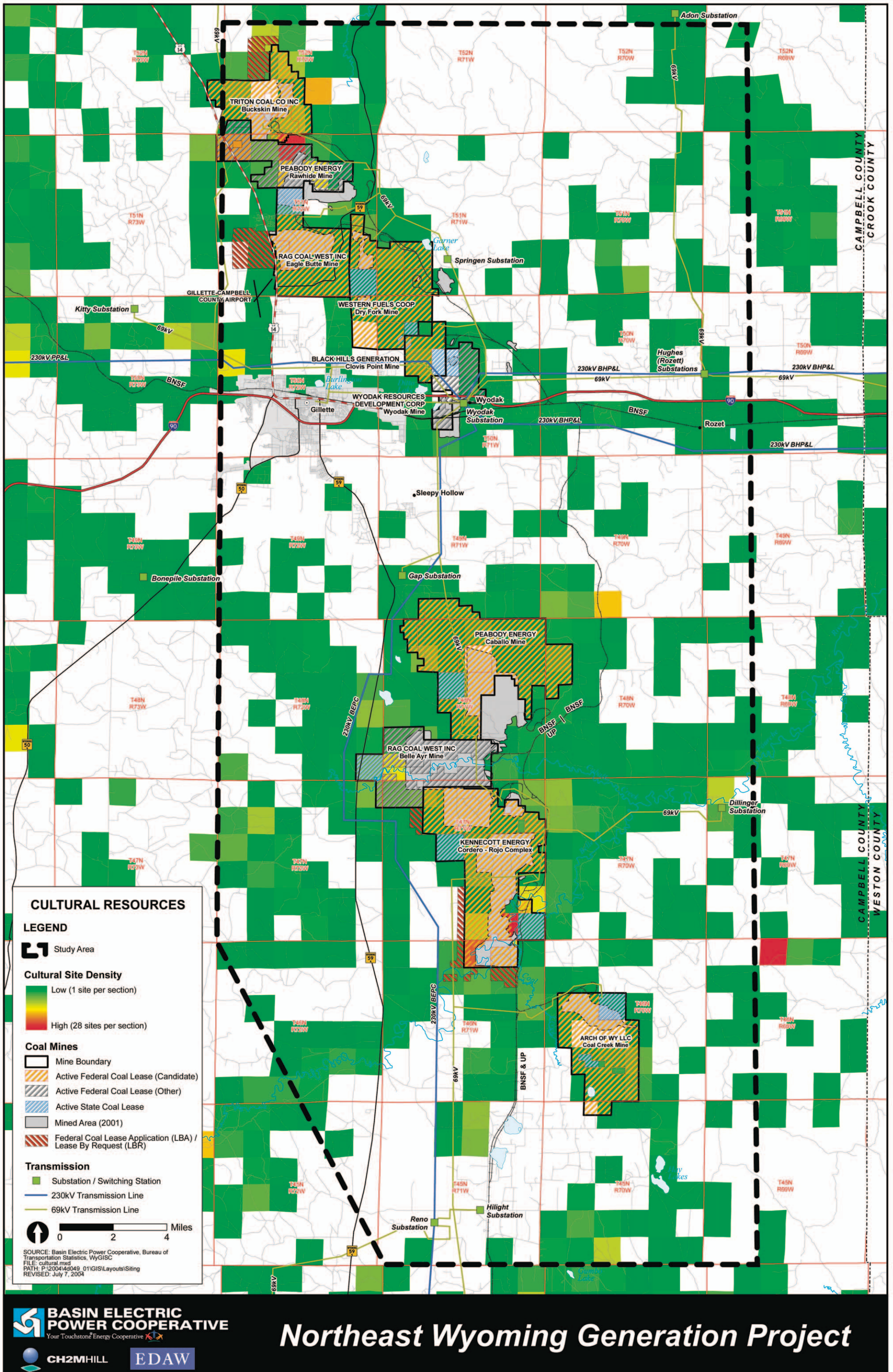


Figure 7 Cultural Resources

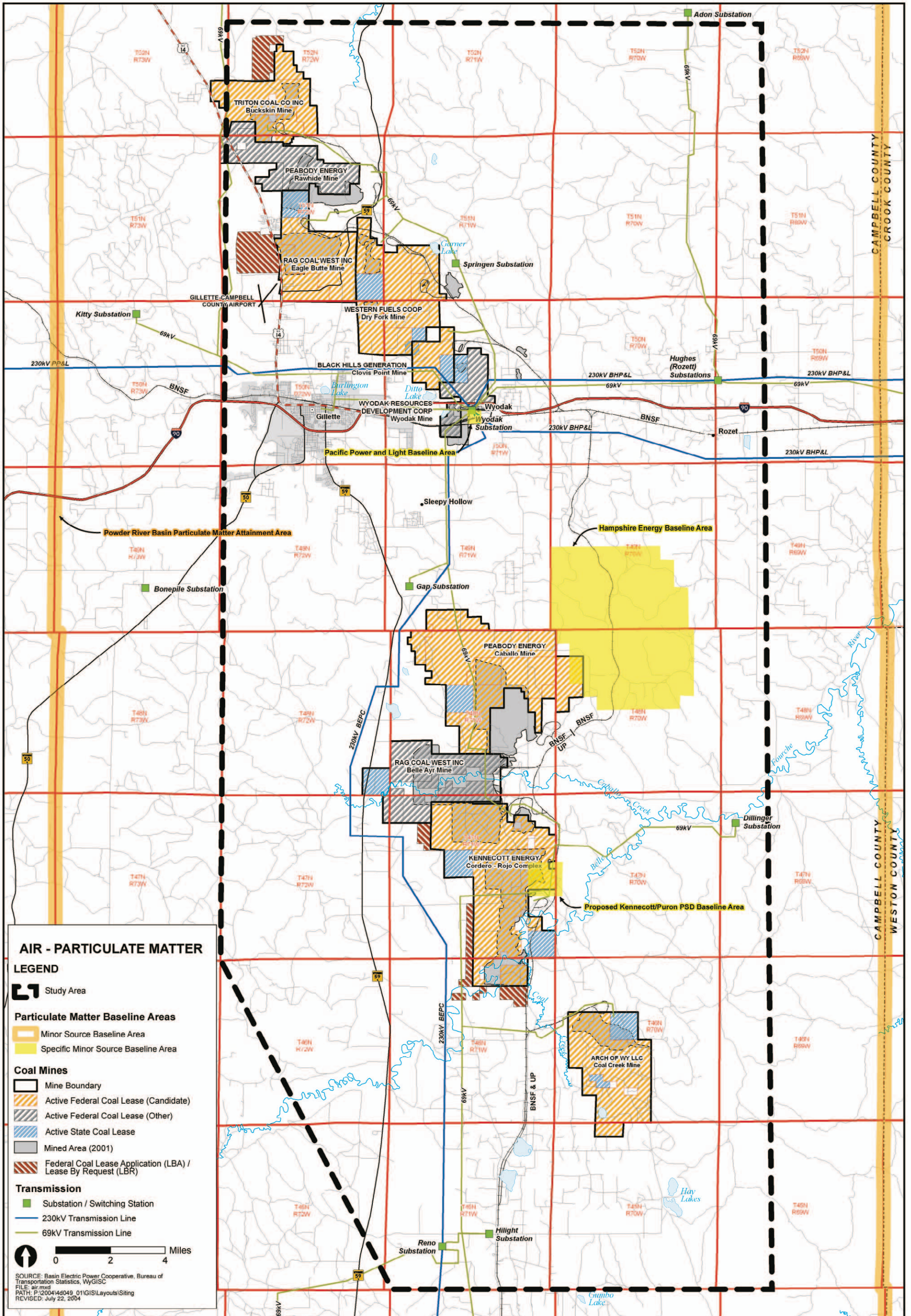


Figure 8 Air

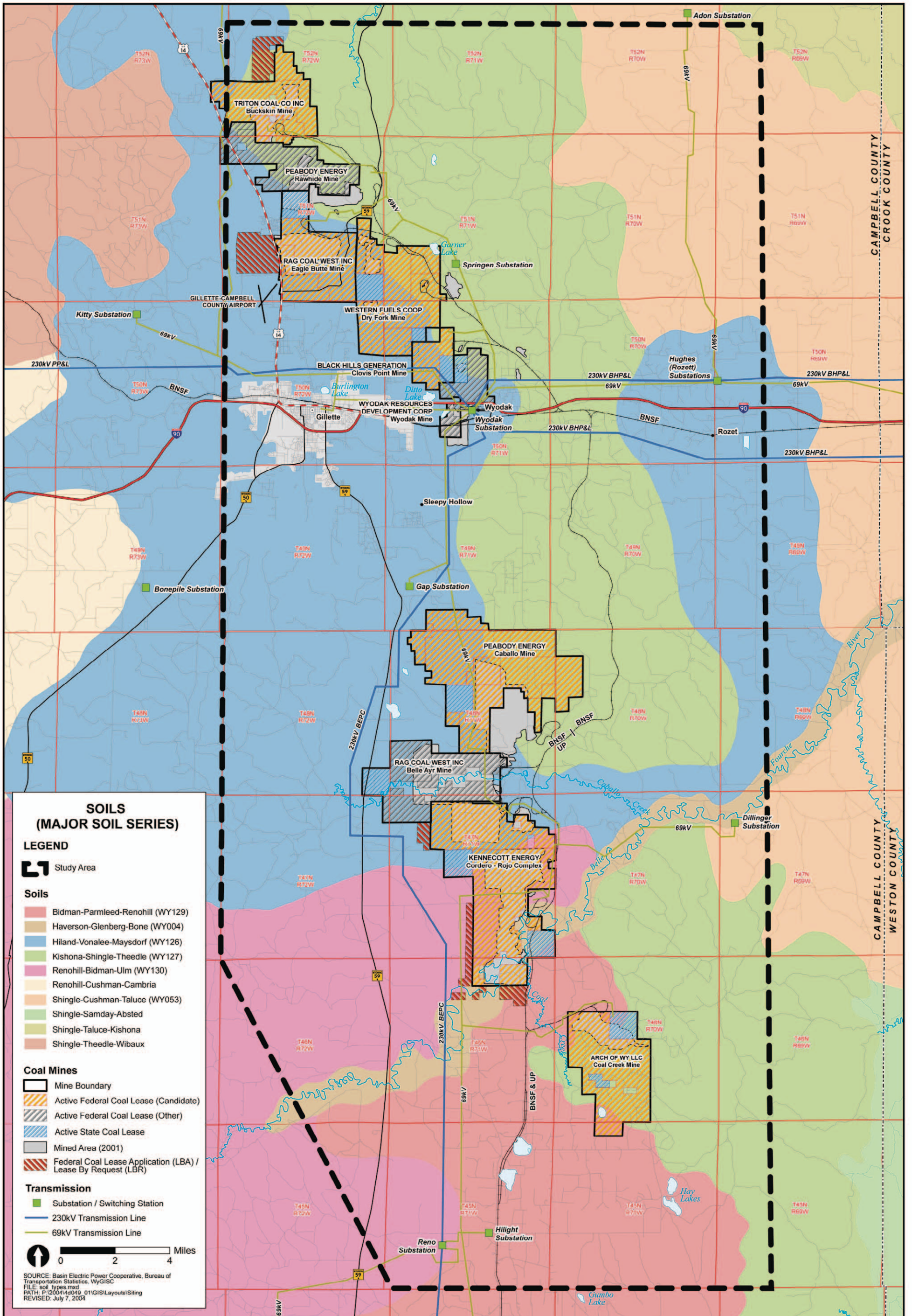
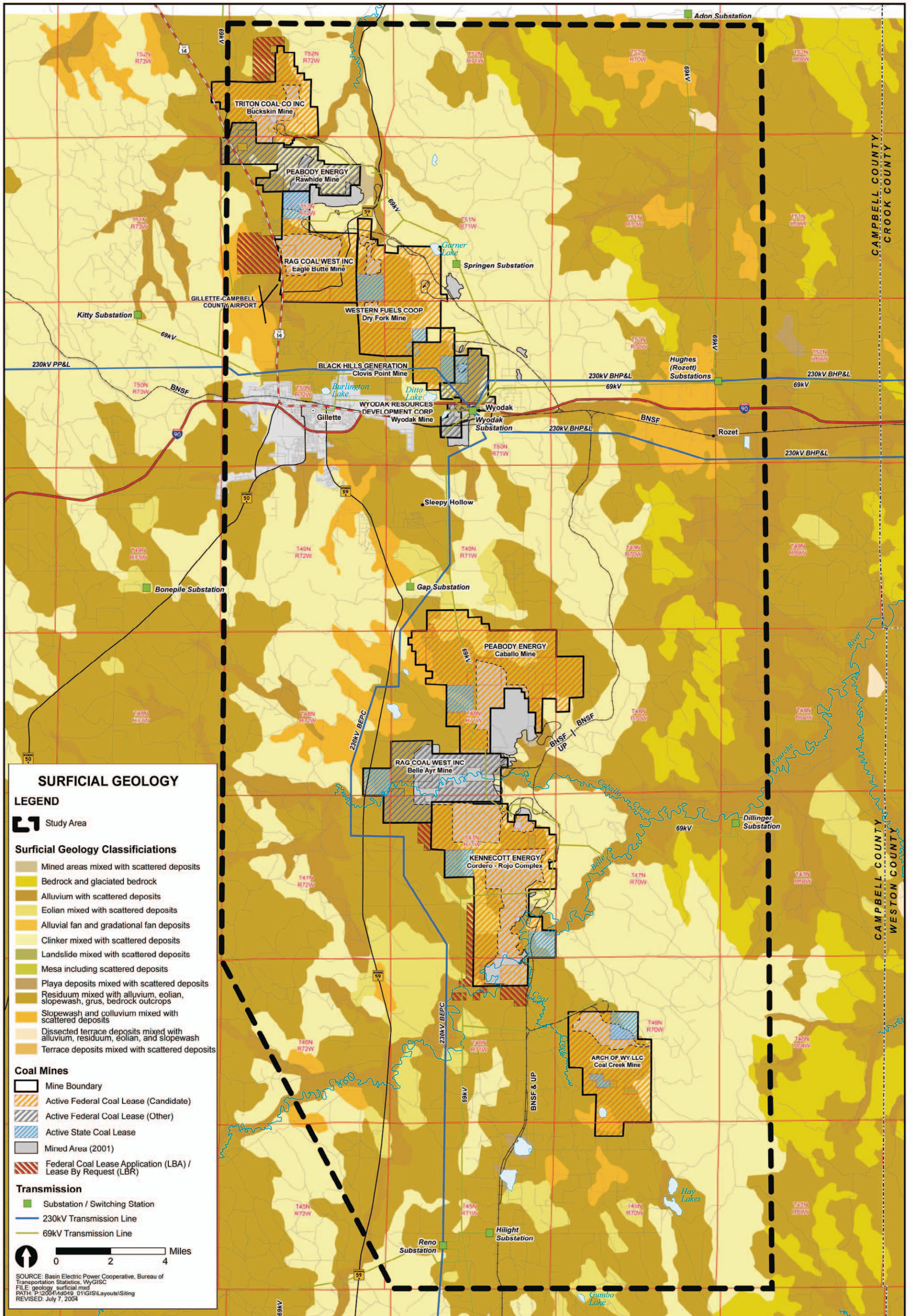


Figure 9 Soils



SURFICIAL GEOLOGY

LEGEND

Study Area

Surficial Geology Classifications

- Mined areas mixed with scattered deposits
- Bedrock and glaciated bedrock
- Alluvium with scattered deposits
- Eolian mixed with scattered deposits
- Alluvial fan and gradational fan deposits
- Clinker mixed with scattered deposits
- Landslide mixed with scattered deposits
- Mesa including scattered deposits
- Playa deposits mixed with scattered deposits
- Residuum mixed with alluvium, eolian, slopewash, grus, bedrock outcrops
- Slopewash and colluvium mixed with scattered deposits
- Dissected terrace deposits mixed with alluvium, residuum, eolian, and slopewash
- Terrace deposits mixed with scattered deposits

Coal Mines

- Mine Boundary
- Active Federal Coal Lease (Candidate)
- Active Federal Coal Lease (Other)
- Active State Coal Lease
- Mined Area (2001)
- Federal Coal Lease Application (LBA) / Lease By Request (LBR)

Transmission

- Substation / Switching Station
- 230kV Transmission Line
- 69kV Transmission Line

SOURCE: Basin Electric Power Cooperative, Bureau of Transportation Statistics, WyGIS
FILE: geology_surficial.mxd
PATH: P:\2004\49049_01\GIS\Layouts\Siting
REVISED: July 7, 2004

Figure 10 Surficial Geology

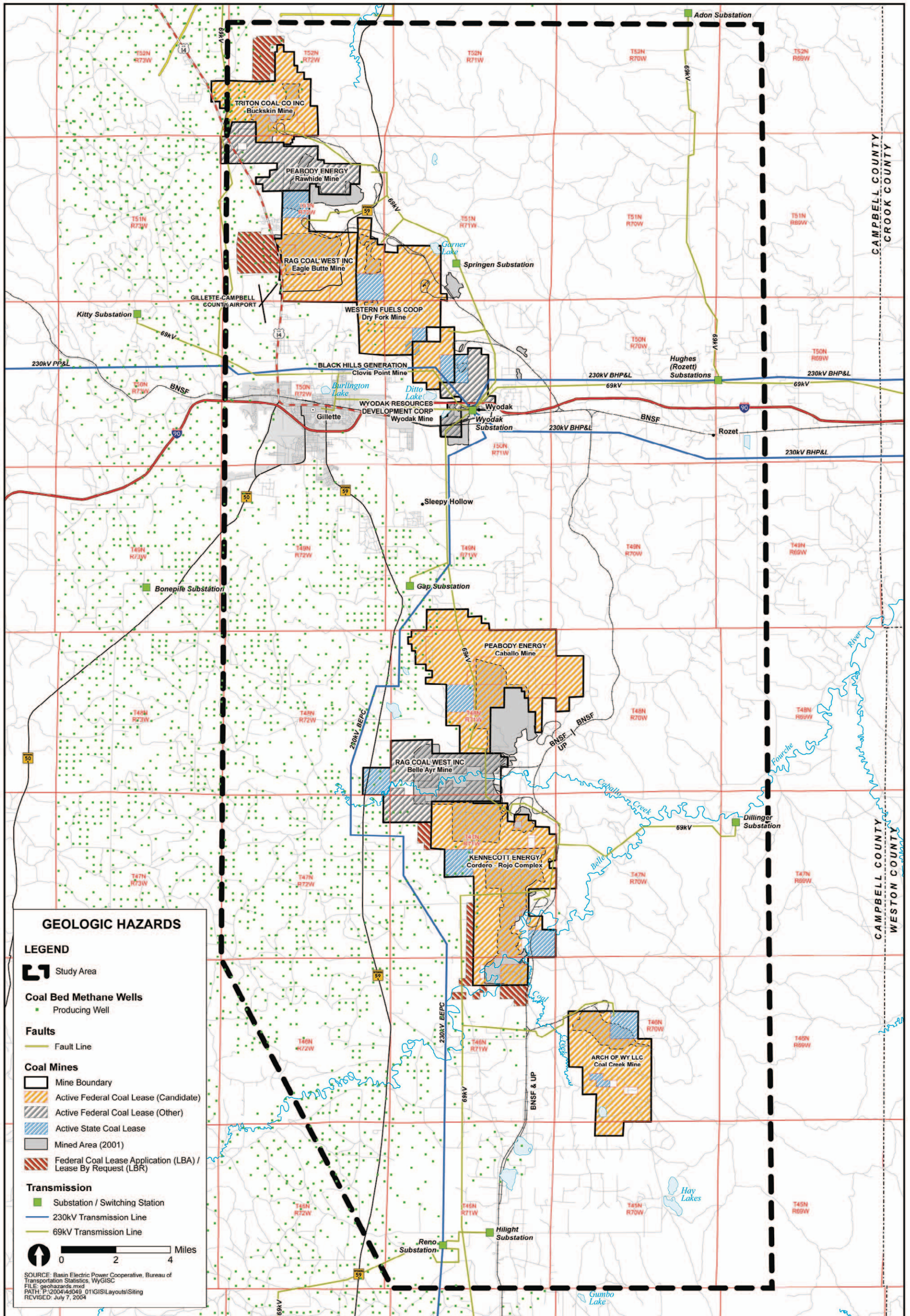


Figure 11 Geologic Hazards

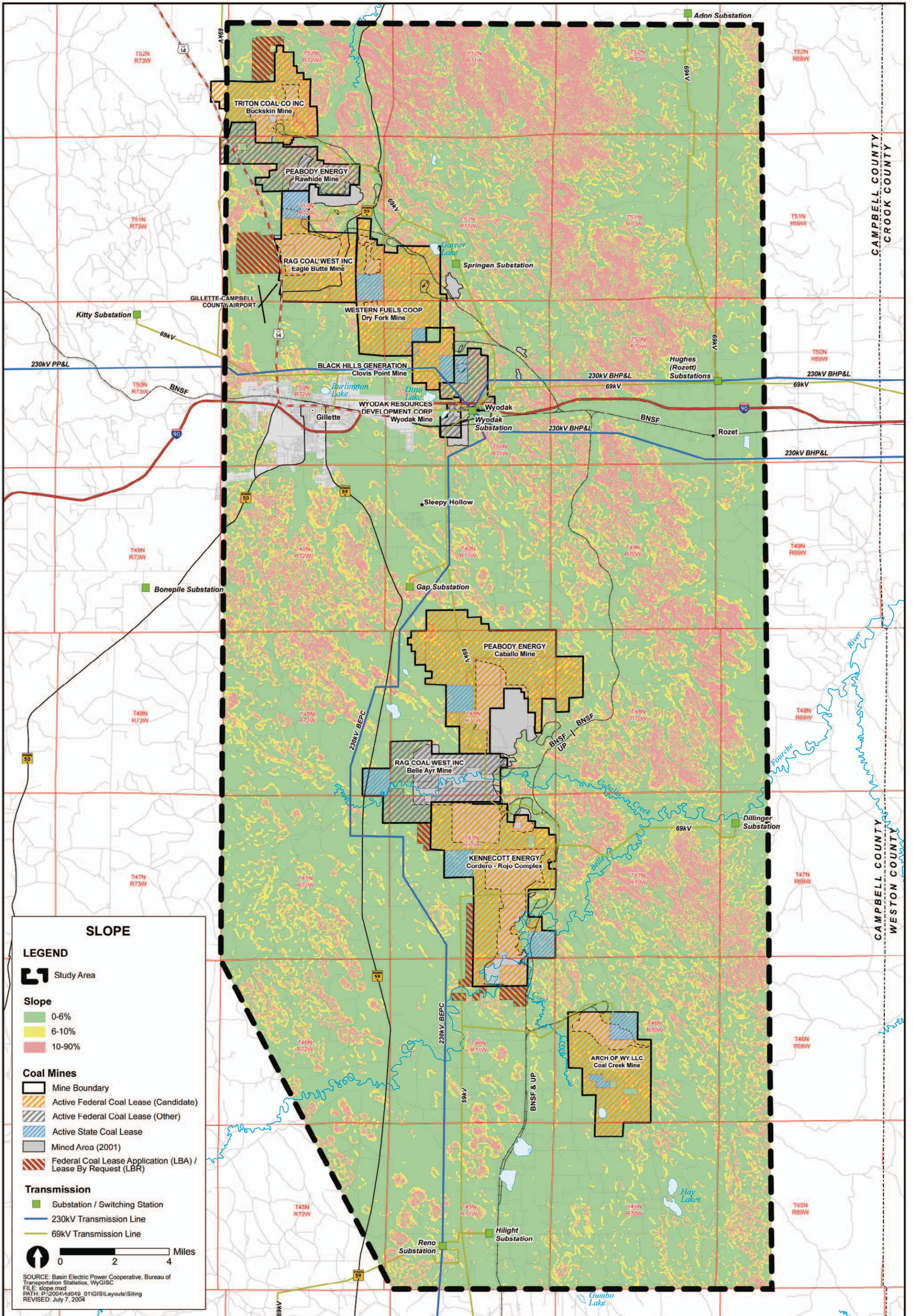


Figure 12 Slope

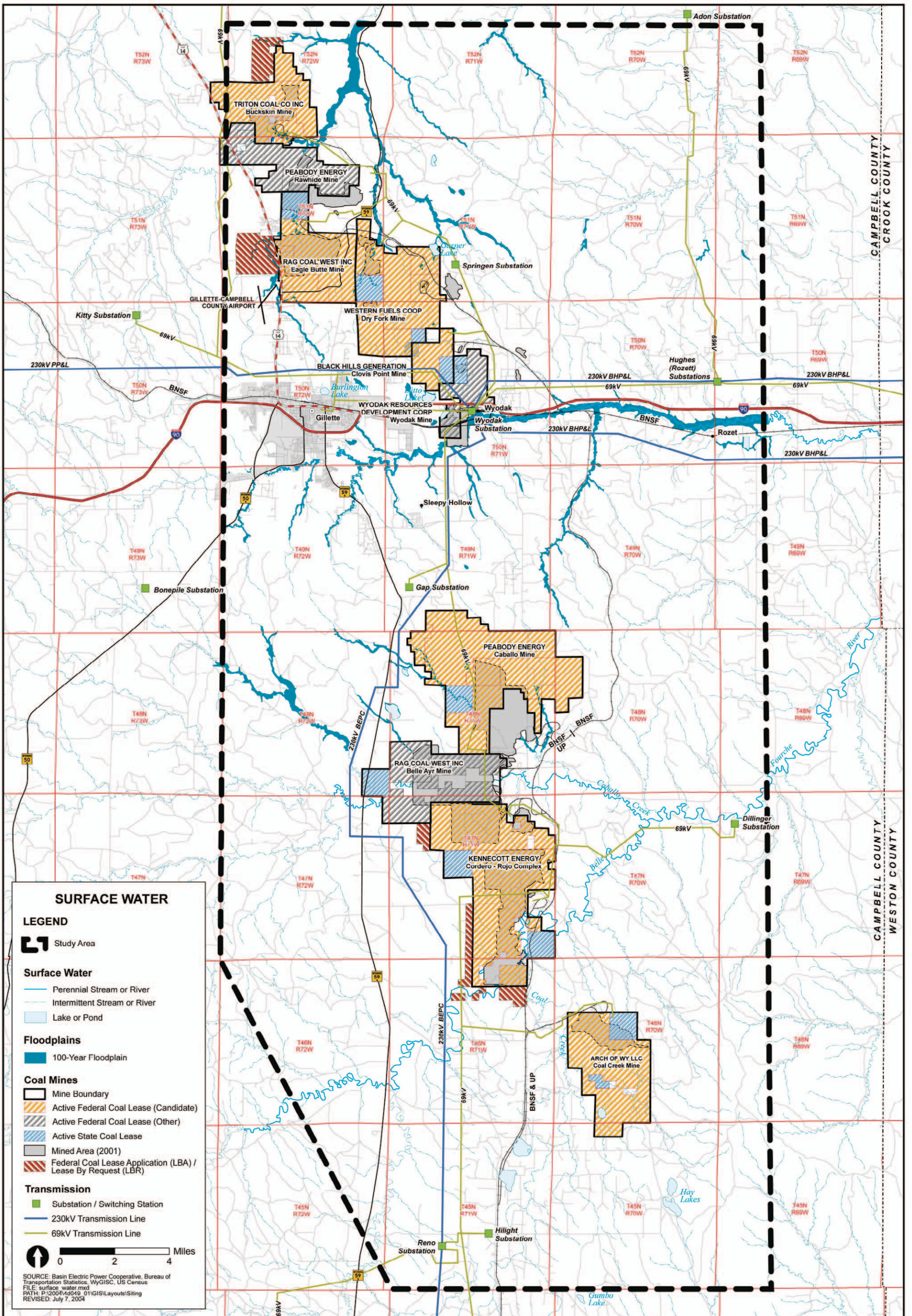


Figure 13 Surface Water

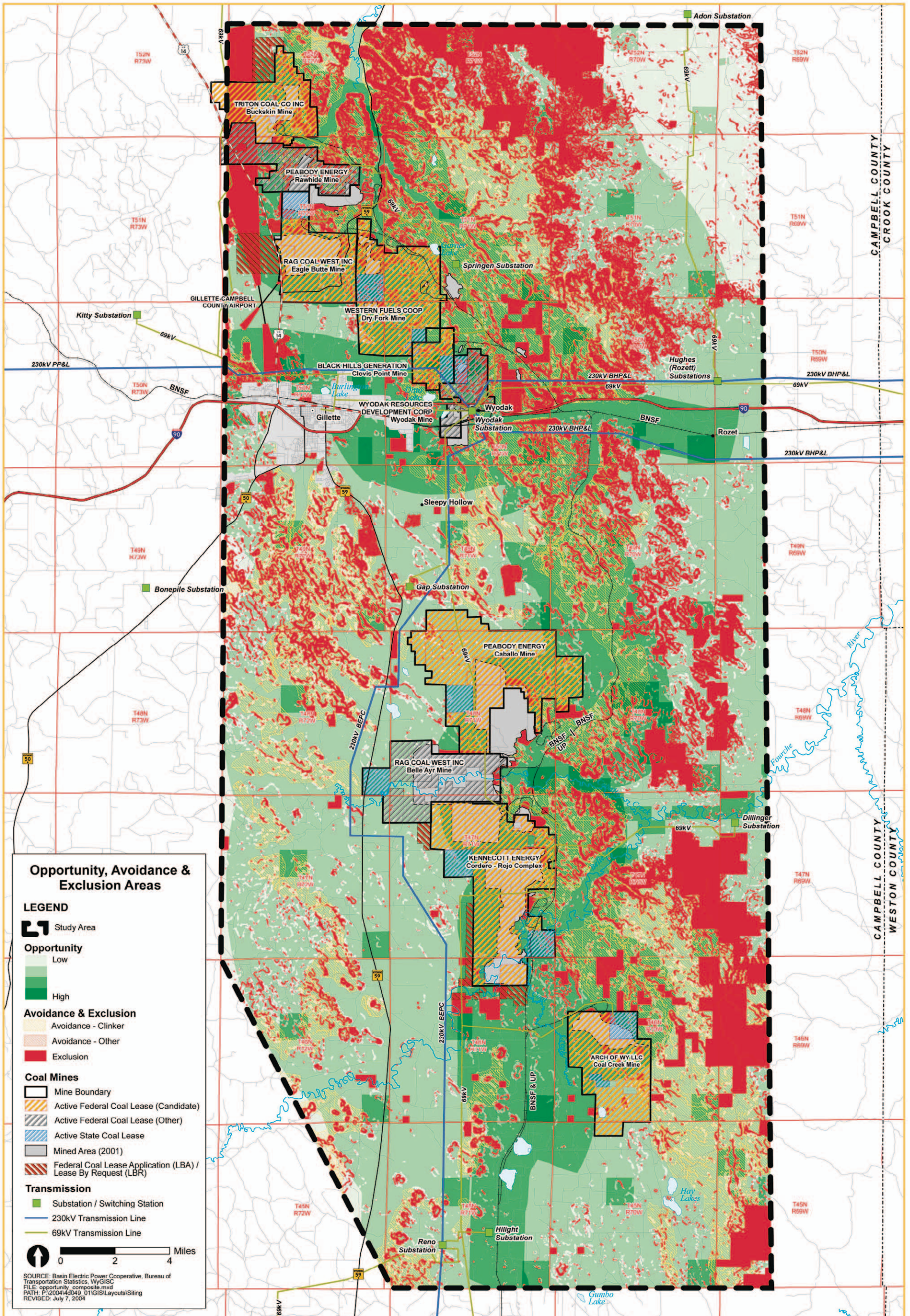


Figure 14 Opportunity, Avoidance, and Exclusion Areas

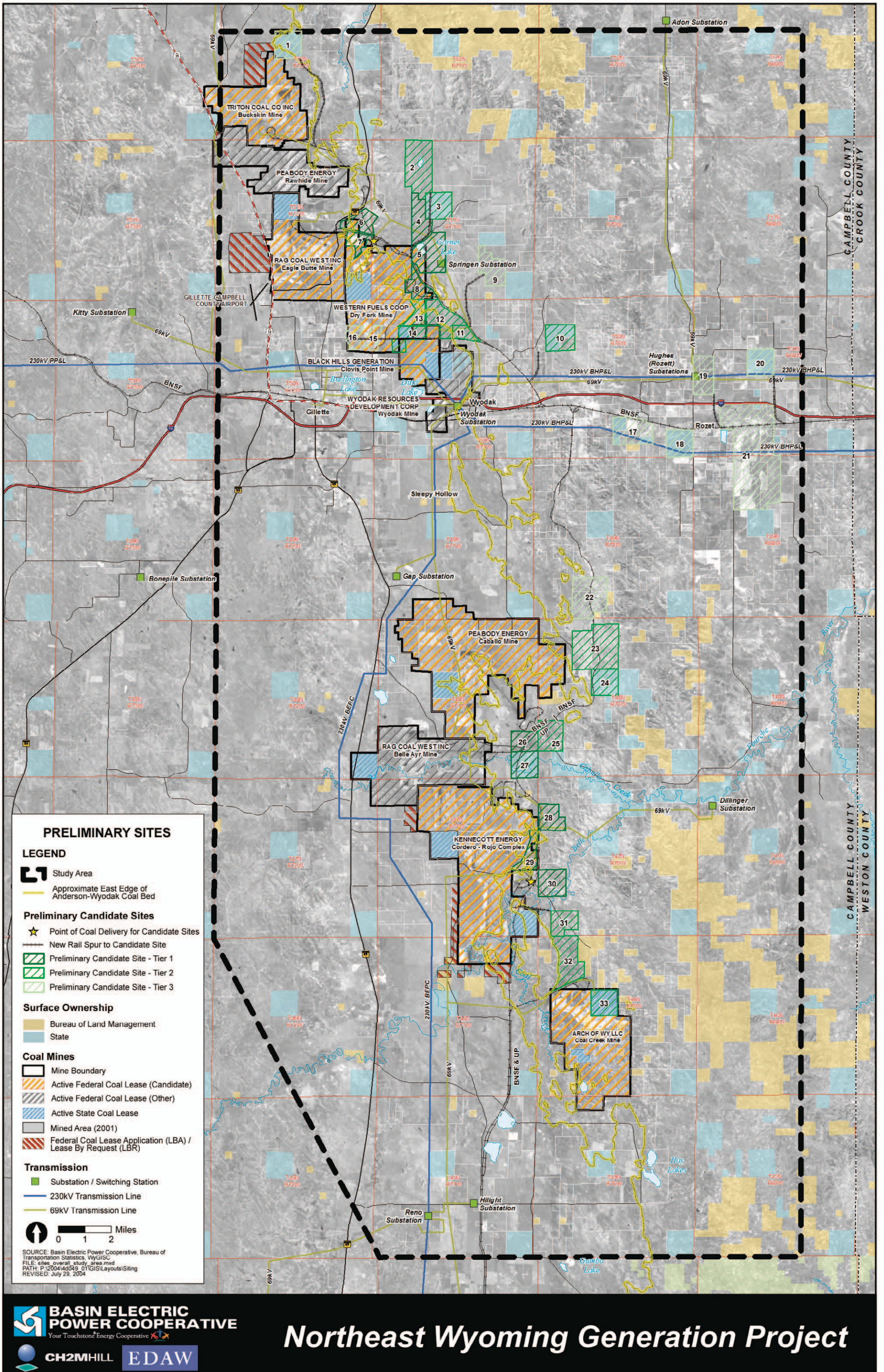
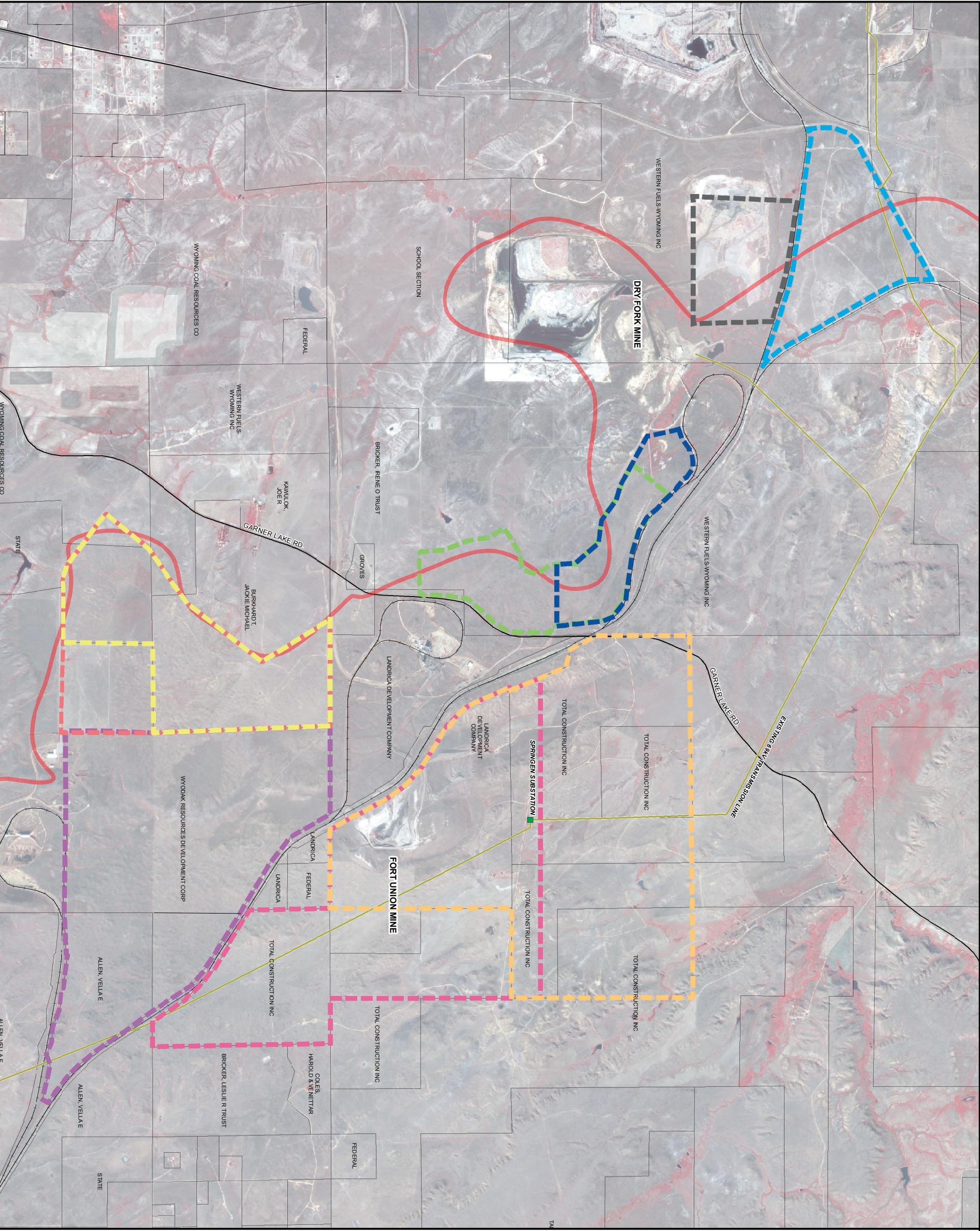


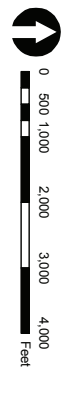
Figure 15 Candidate Sites



SITING AREA OVERVIEW
Aerial Photography
 January 5, 2005

- LEGEND**
- Siting Areas**
- A
 - B
 - C
 - D
 - E
 - F
 - G
 - H
- BLM Burn Line
 - Proposed common ash disposal area (sites A & H)

- Transmission**
- Substation / Switching Station
 - 230kV Transmission Line
 - 69kV Transmission Line



SOURCE: Basin Electric Power Cooperative, Bureau of Transportation Statistics, WYGSC online map
 PATH: P:\3004\4049_01\GIS\Layouts\Siting
 REVISED: October 27, 2005

Figure 16 Preferred Candidate Sites



SITE A DETAIL
Aerial Photography
 January 5, 2005

LEGEND

- ▭ Stiling Area
- ▣ Gas Pipeline Connection
- Coal Source Point
- Ash Disposal
- Proposed Rail
- Conveyor
- Gas Pipeline

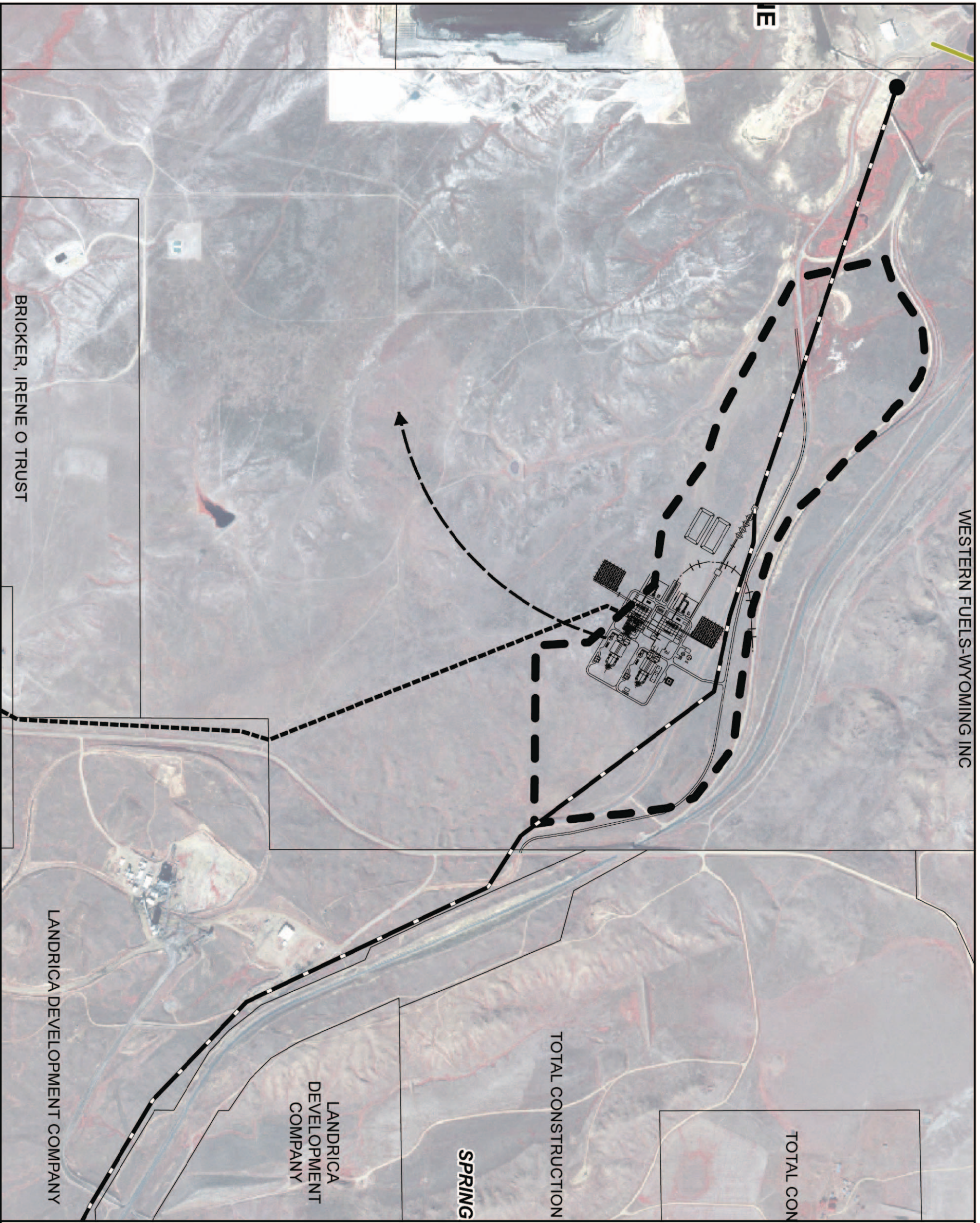
Transmission

- Substation / Switching Station
- 230kV Transmission Line
- 69kV Transmission Line



SOURCE: Basin Electric Power Cooperative, Bureau of Transportation Statistics, WYGISC
 PART I: P:\2004\44049_01\GIS\Layouts\SiteA
 REVISED: January 5, 2005

Figure 16-1 Site A Detail



SITE A2
Detail
 January 5, 2005

- LEGEND**
- Stiling Area
 - Gas Pipeline Connection
 - Coal Source Point
 - Ash Disposal
 - Proposed Rail
 - Conveyor
 - Gas Pipeline
- Transmission**
- Substation / Switching Station
 - 230kV Transmission Line
 - 69kV Transmission Line



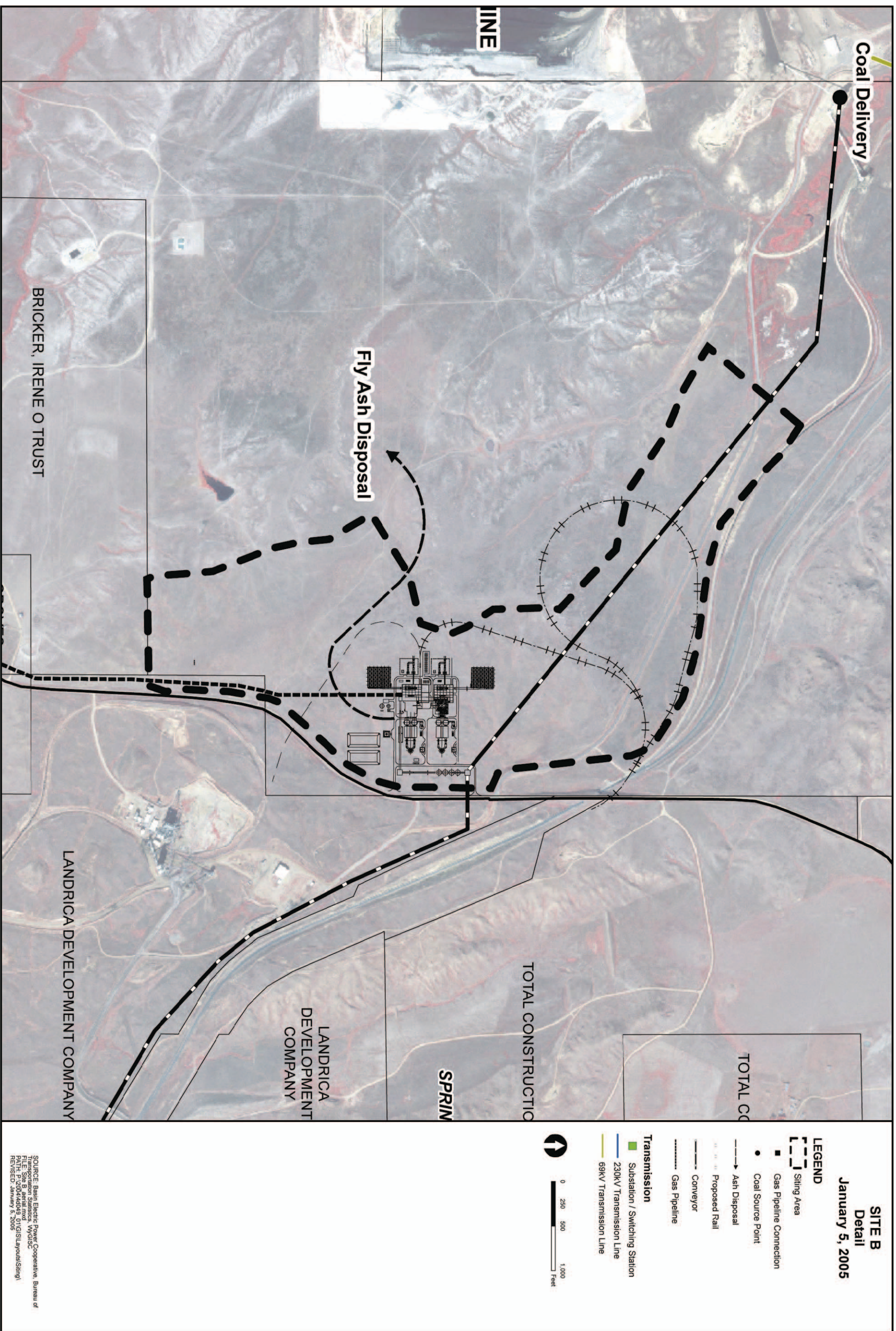
SOURCE: Basin Electric Power Cooperative, Bureau of
 Fire Management, State of Wyoming
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 PART I, P. 2004404049_01 (GIS/LEP/ous/Sig/ing)
 REVISED: January 5, 2005

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 Your Touchstone Energy Cooperative

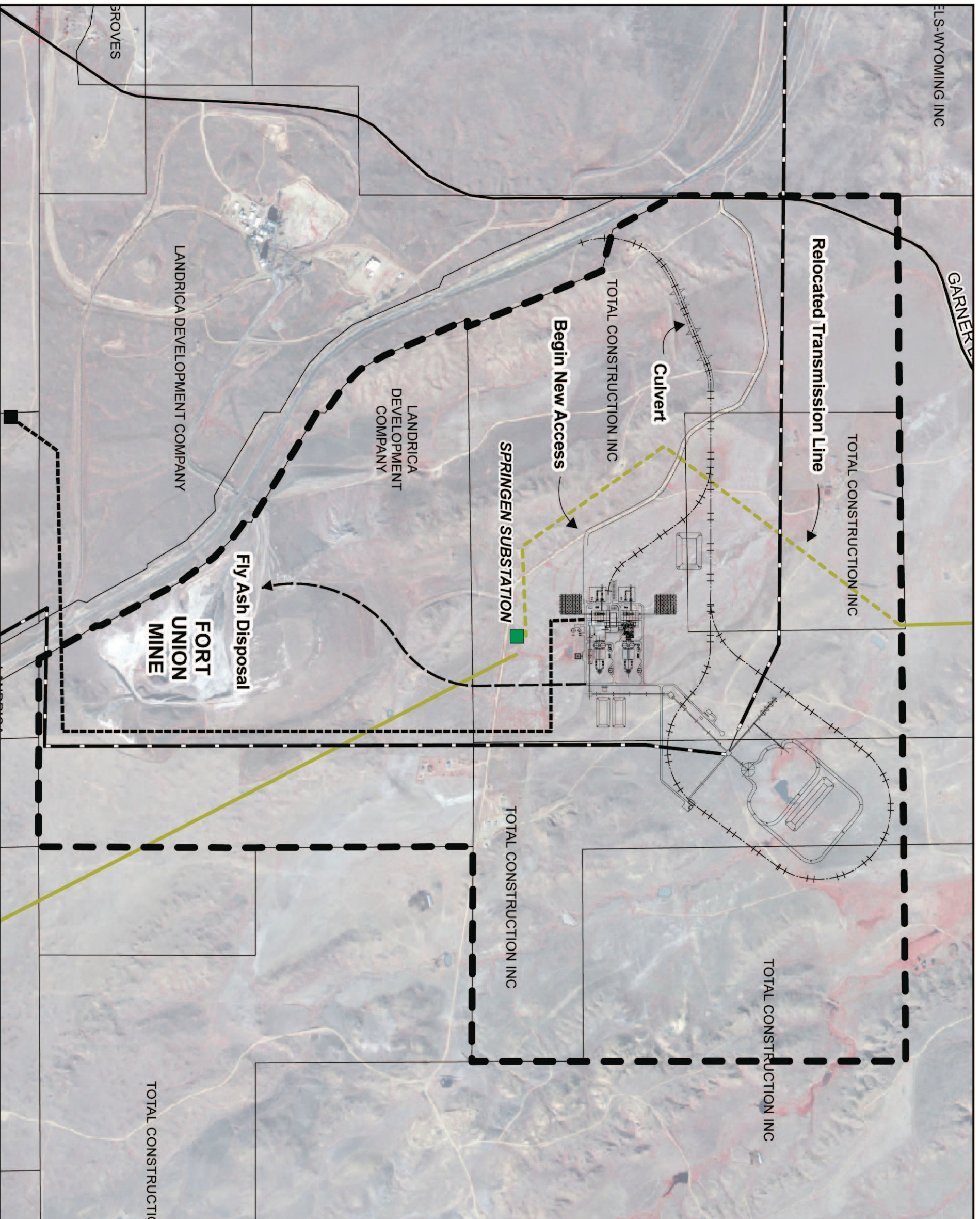
CH2MHILL **EDAW**

Figure 16-2 Site A2 Detail



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Figure 16-3 Site B Detail



SITE C
Detail
 January 5, 2005

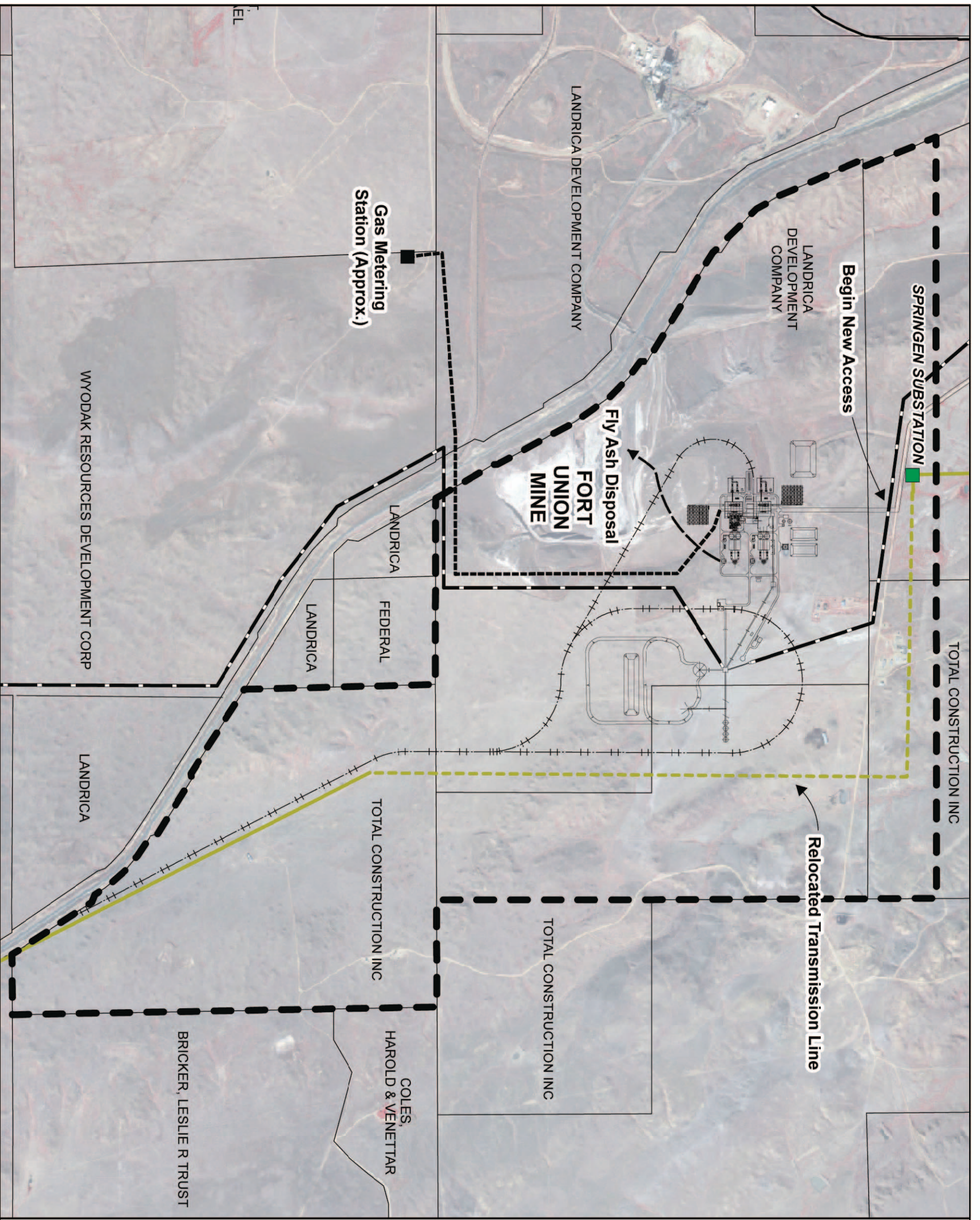
- LEGEND**
- ▭ Siting Area
 - Gas Pipeline Connection
 - Coal Source Point
 - Ash Disposal
 - Proposed Rail
 - Conveyor
 - Gas Pipeline
- Transmission**
- Substation / Switching Station
 - 230KV Transmission Line
 - 69KV Transmission Line
- 0 250 500 1,000 Feet

SOURCE: Basin Electric Power Cooperative, Bureau of Transportation Statistics, WYGIS
 FILE: Site C.mxd
 PATH: F:\0004449_01\GIS\layers\sting1
 REVISED: January 5, 2005

Northeast Wyoming Generation Project



Figure 16-4 Site C Detail



SITE D
Detail
January 5, 2005

- LEGEND**
- ▭ Siting Area
 - Gas Pipeline Connection
 - Coal Source Point
 - Ash Disposal
 - Proposed Rail
 - Conveyor
 - Gas Pipeline
- Transmission**
- Substation / Switching Station
 - 230kV Transmission Line
 - 69kV Transmission Line



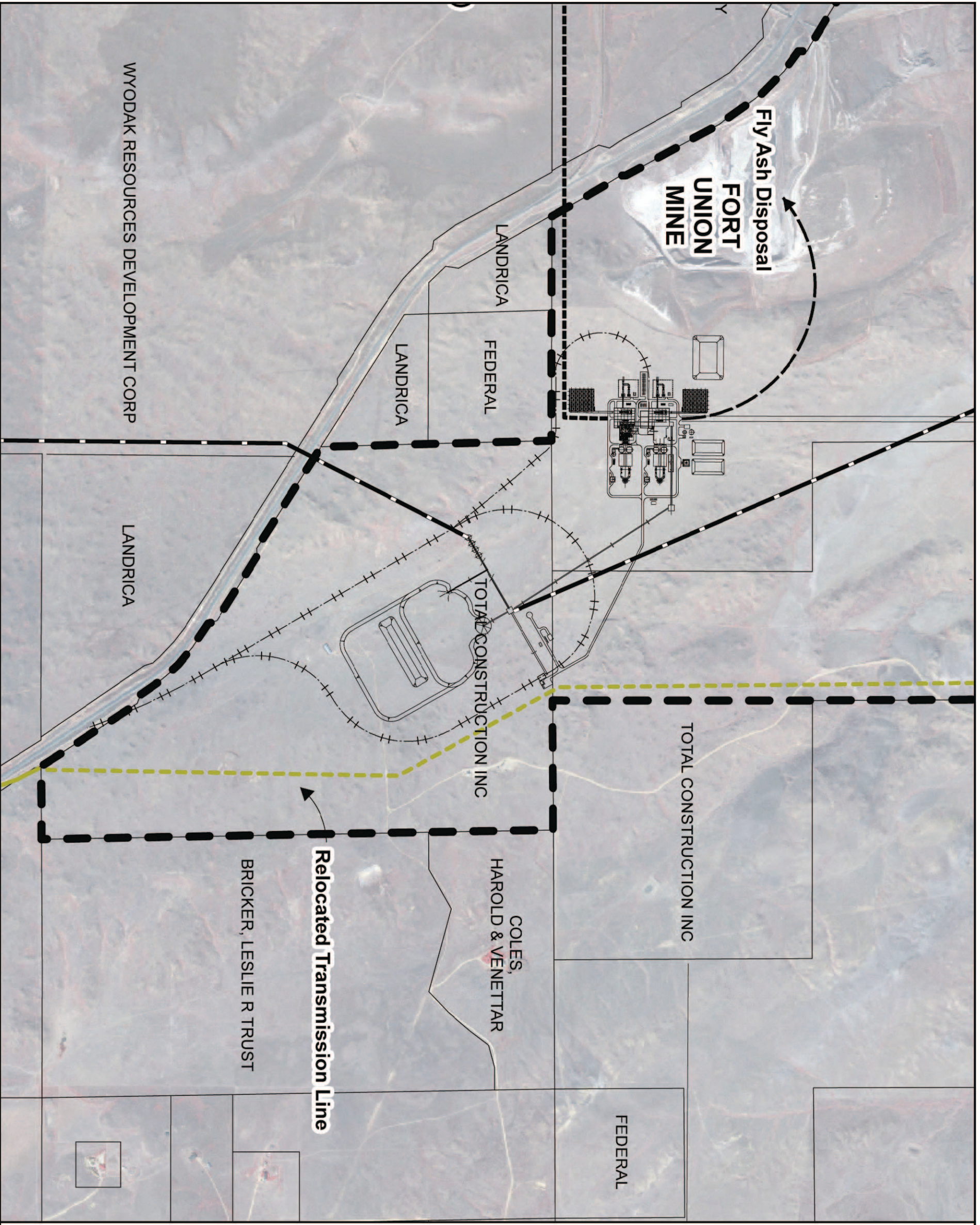
SOURCE: Basin Electric Power Cooperative, Bureau of Transportation Statistics, WYGISC
 PATH: P:\00444049_01\GIS\lay\outs\SiteD
 REVISED: January 5, 2005

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 Your Touchstone Energy Cooperative

CH2MHILL **EDAW**

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Figure 16-5 Site D Detail



SITE D2 DETAIL
Aerial Photography
January 5, 2005

LEGEND

- Siting Area
- Gas Pipeline Connection
- Coal Source Point
- Ash Disposal
- Proposed Rail
- Conveyor
- Gas Pipeline

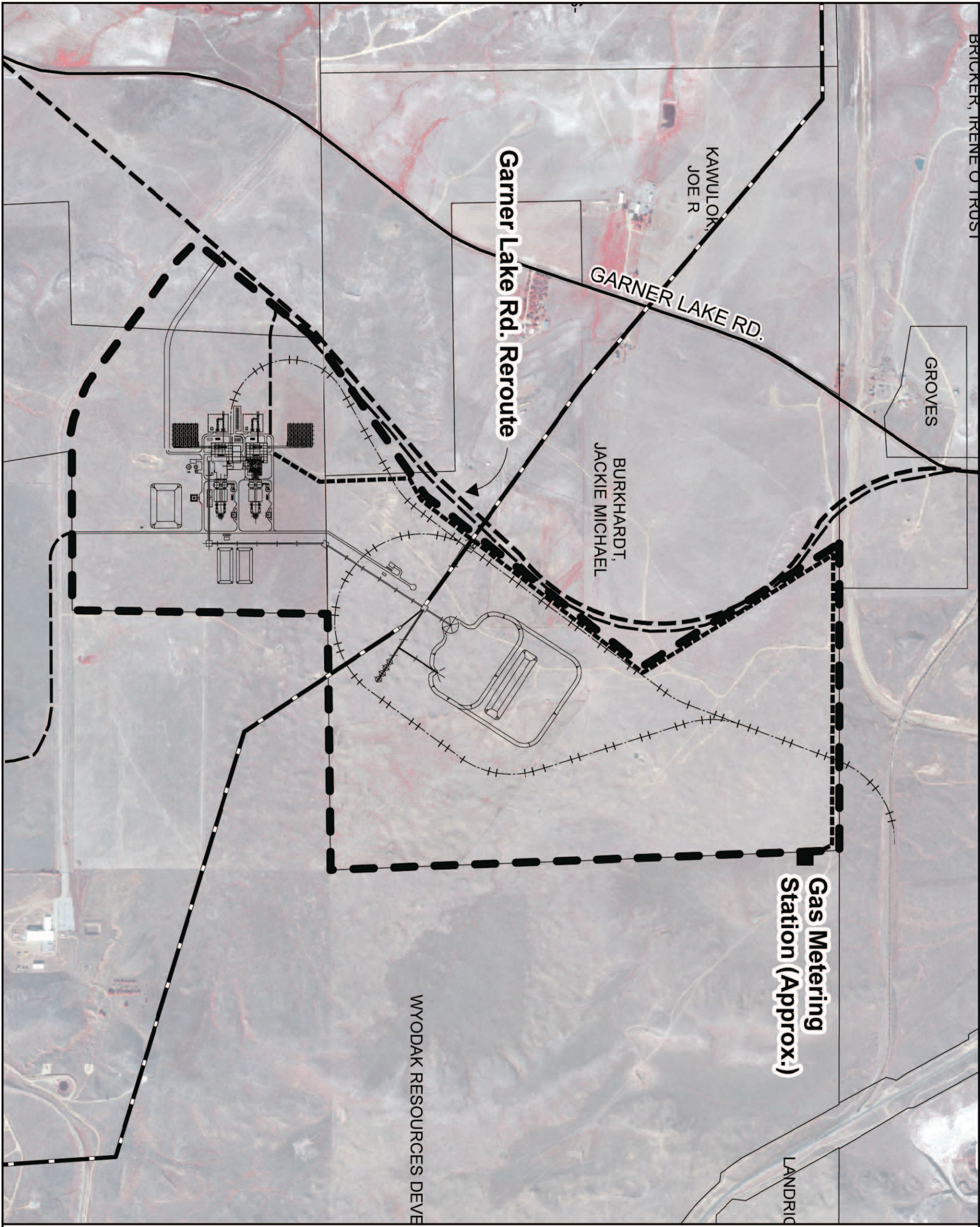
Transmission

- Substation / Switching Station
- 230kV Transmission Line
- 69kV Transmission Line



SOURCE: Basin Electric Power Cooperative, Bureau of Transportation Statistics, WVGISC
 FILE: Site D2 aerial.mxd
 PROJECT: 030404004_01/GIS/Utility/outsidhigh
 REVISED: January 5, 2005

Figure 16-6 Site D2 Detail



SITE E
Detail
 January 5, 2005

LEGEND

- ▭ Siting Area
- Gas Pipeline Connection
- Coal Source Point
- Ash Disposal
- Proposed Rail
- Conveyor
- Gas Pipeline

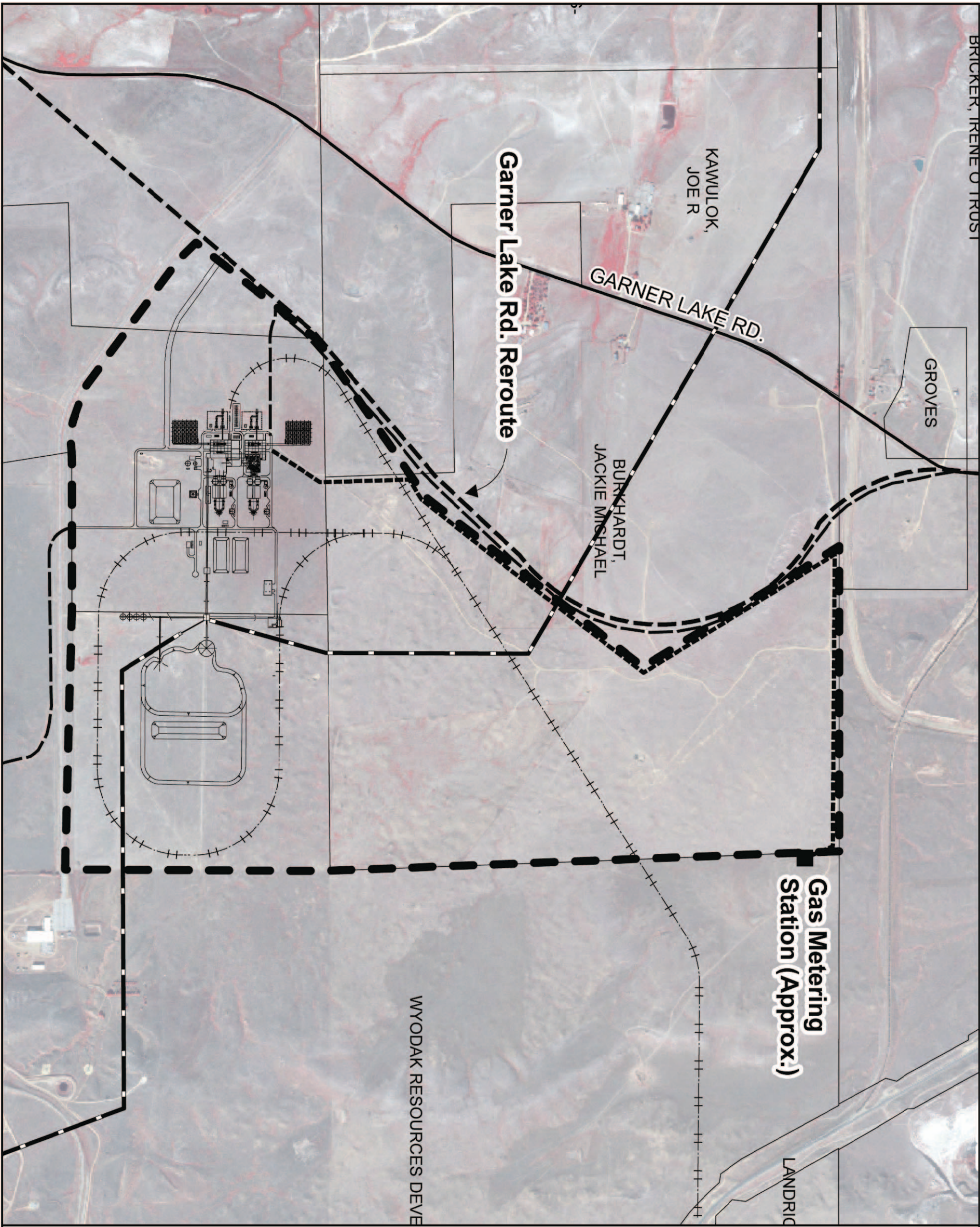
Transmission

- Substation / Switching Station
- 230kV Transmission Line
- 69kV Transmission Line



SOURCE: Basin Electric Power Cooperative, Bureau of Land Management, Wyoming State Survey, WY SITS/C
 FILE: Site E.mxd
 PATIL P:\2004\44049_01\GIS\Layouts\Siting\ REVISION: January 5, 2005

Figure 16-7 Site E Detail



SITE F
Detail
January 5, 2005

LEGEND

- Siting Area
- Gas Pipeline Connection
- Coal Source Point
- Ash Disposal
- Proposed Rail
- Conveyor
- Gas Pipeline

Transmission

- Substation / Switching Station
- 230kV Transmission Line
- 69kV Transmission Line



SOURCE: Basin Electric Power Cooperative, Bureau of Transportation Statistics, WYGISC
 FILE: See E2, data and GIS/SLAYOUTS/STING1
 REVISED: January 5, 2005

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Figure 16-8 Site F Detail



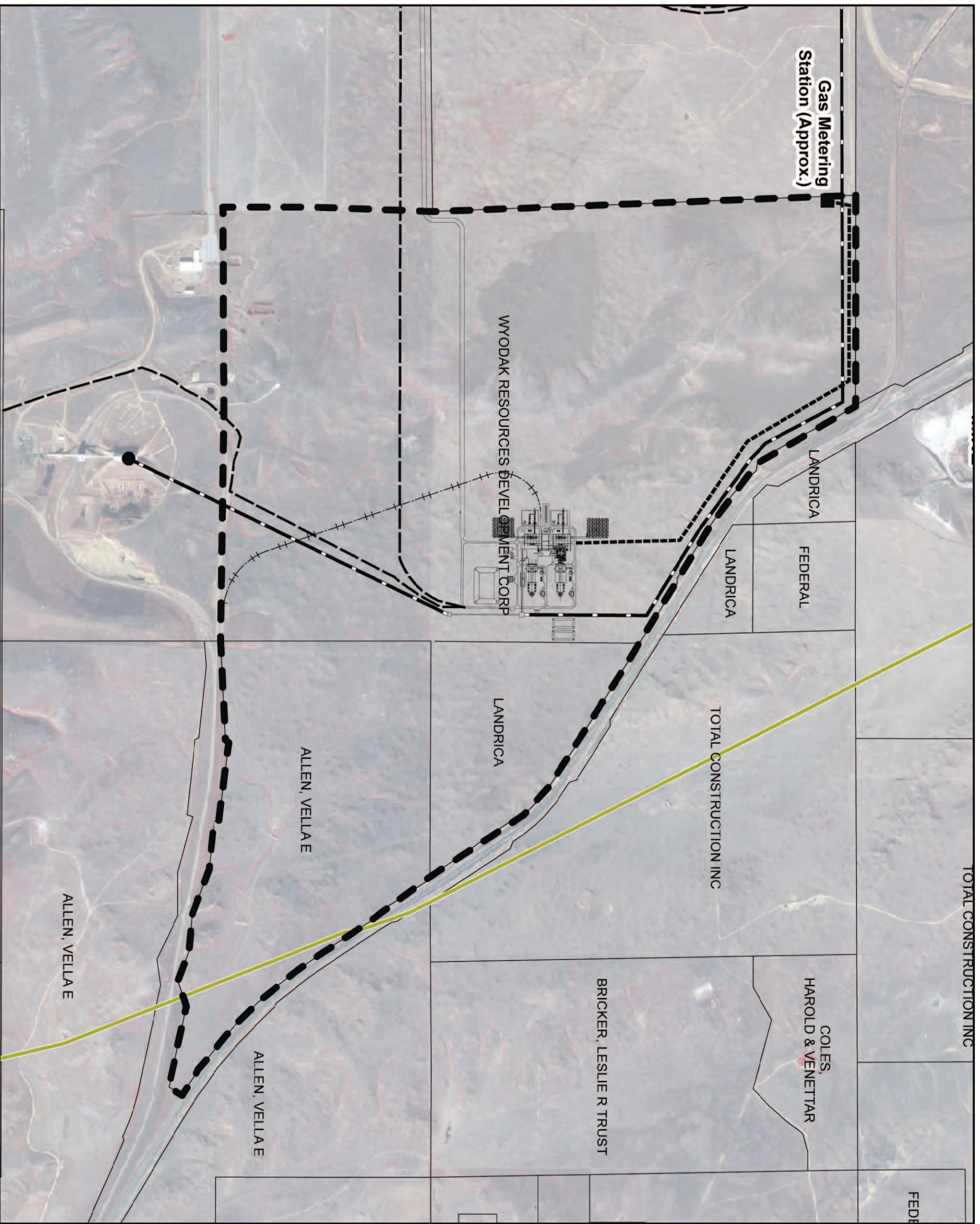
SITE G
Detail
 January 5, 2005

- LEGEND**
- Siting Area
 - Gas Pipeline Connection
 - Coal Source Point
 - Ash Disposal
 - Proposed Rail
 - Conveyor
 - Gas Pipeline
- Transmission**
- Substation / Switching Station
 - 230kV Transmission Line
 - 69kV Transmission Line



SOURCE: Basin Electric Power Cooperative, Bureau of Transportation Statistics, WYGISC
 PATN: p2004e04d9_01AGISUjyovusStingf
 REVISED: January 5, 2005

Figure 16-9 Site G Detail



SITE G2
Detail
January 5, 2005

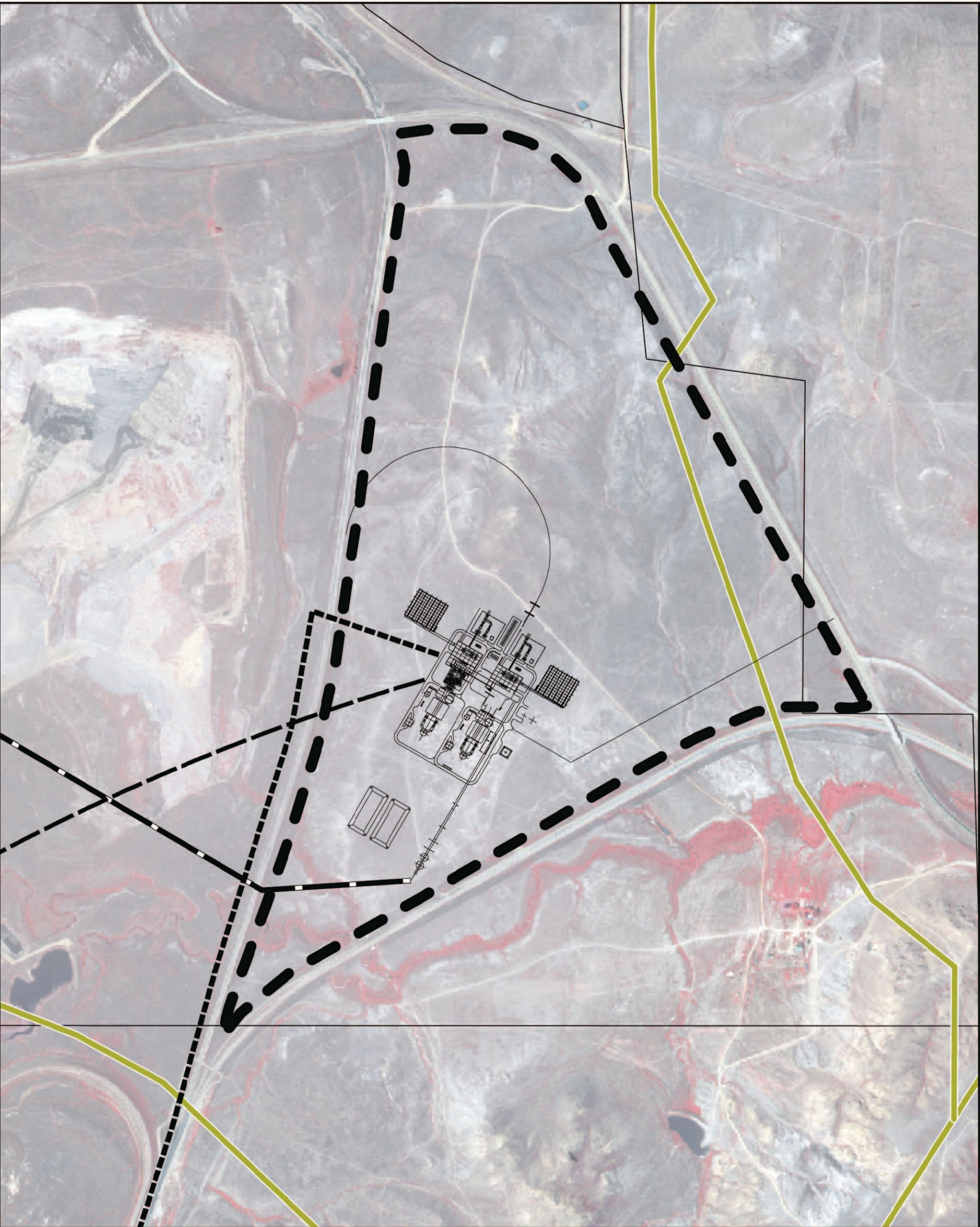
- LEGEND**
- Sling Area
 - Gas Pipeline Connection
 - Coal Source Point
 - Ash Disposal
 - Proposed Rail
 - Conveyor
 - Gas Pipeline
- Transmission**
- Substation / Switching Station
 - 230kV Transmission Line
 - 69kV Transmission Line
- 0 250 500 1,000 Feet

SOURCE: Basin Electric Power Cooperative, Bureau of Transportation Statistics, WYG/SC
 FILE: Site G2_aerial.mxd (GIS\slipouts\slipg1)
 PATH: E:\2004\0419_01\GIS\slipouts\slipg1
 REVISED: January 5, 2005

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Figure 16-10 Site G2 Detail



SITE H DETAIL
Detail
January 5, 2005

LEGEND

- Siting Area
 - Gas Pipeline Connection
 - Coal Source Point
 - Ash Disposal
 - Proposed Rail
 - Conveyor
 - Gas Pipeline
- Transmission**
- Substation / Switching Station
 - 230kV Transmission Line
 - 69kV Transmission Line



SOURCE: Basin Electric Power Cooperative, Bureau of Transportation Statistics, WYGIS
 FILE: Site H_detail.mxd
 PATH: F:\2004\449_01\GIS\layers\Siting1
 REVISED: January 5, 2005

Figure 16-11 Site H Detail