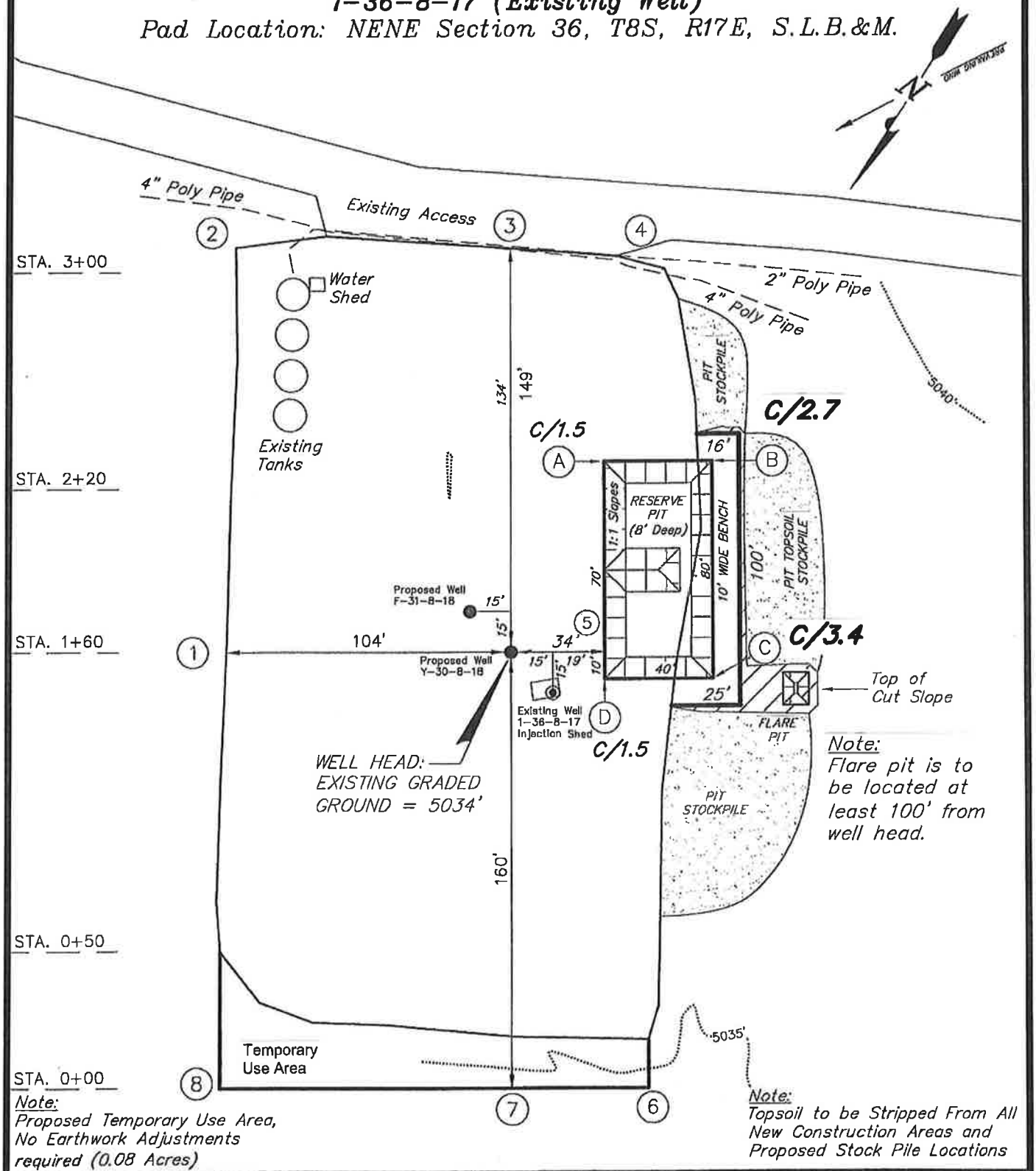
ATTACHMENT 1 - FIGURES

NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

Y-30-8-18 (Proposed Well)
F-31-8-18 (Proposed Well)
1-36-8-17 (Existing Well)

Pad Location: NENE Section 36, T8S, R17E, S.L.B.&M.



Note:
Flare pit is to be located at least 100' from well head.

Note:
Proposed Temporary Use Area, No Earthwork Adjustments required (0.08 Acres)

Note:
Topsoil to be Stripped From All New Construction Areas and Proposed Stock Pile Locations

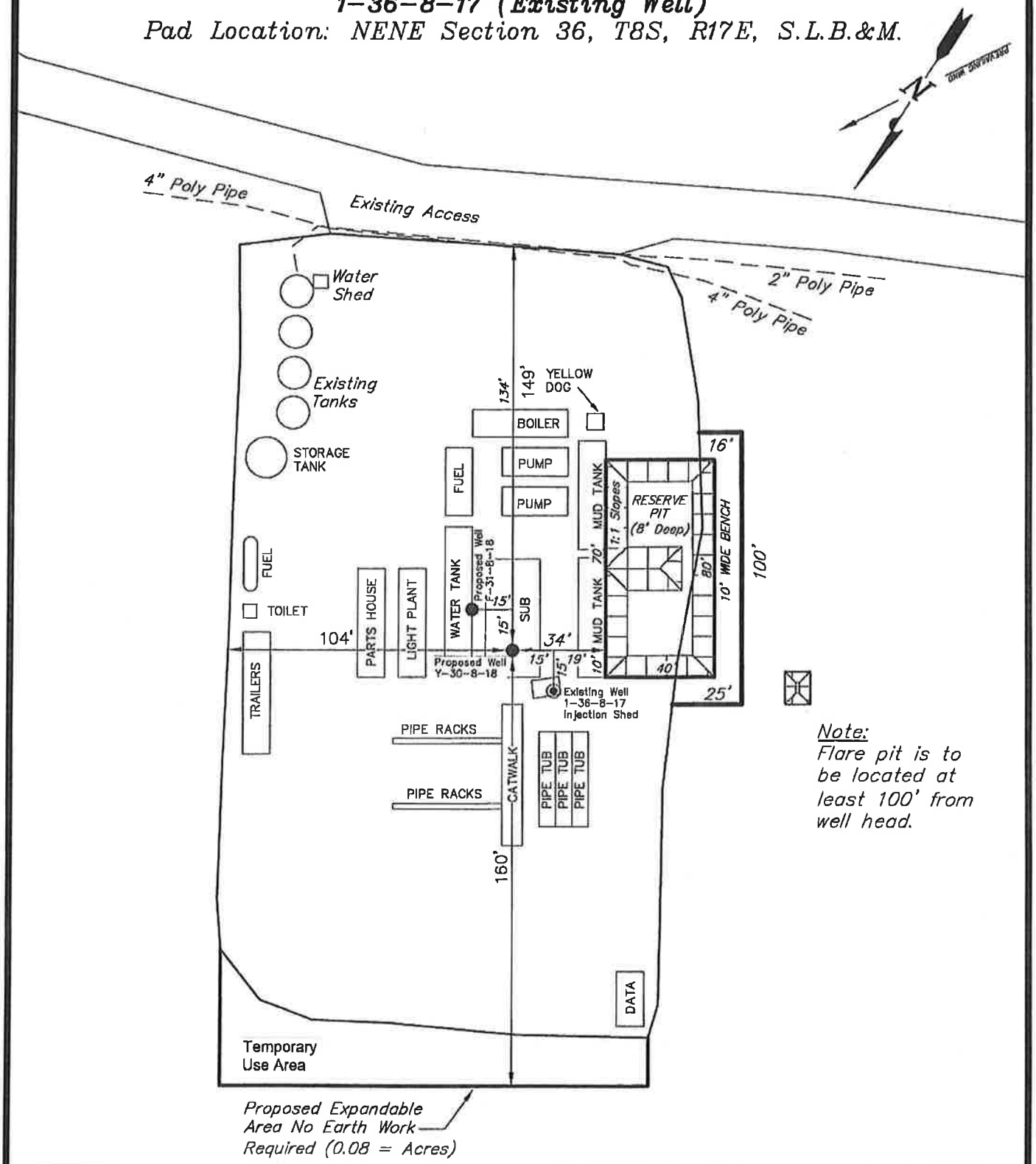
SURVEYED BY: C.D.S.	DATE SURVEYED: 01-24-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 03-29-11	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 50'	REVISED:		

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

Y-30-8-18 (Proposed Well)
F-31-8-18 (Proposed Well)
1-36-8-17 (Existing Well)

Pad Location: NENE Section 36, T8S, R17E, S.L.B.&M.



Note:
Flare pit is to be located at least 100' from well head.

SURVEYED BY: C.D.S.	DATE SURVEYED: 01-24-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 03-29-11	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 50'	REVISED:		

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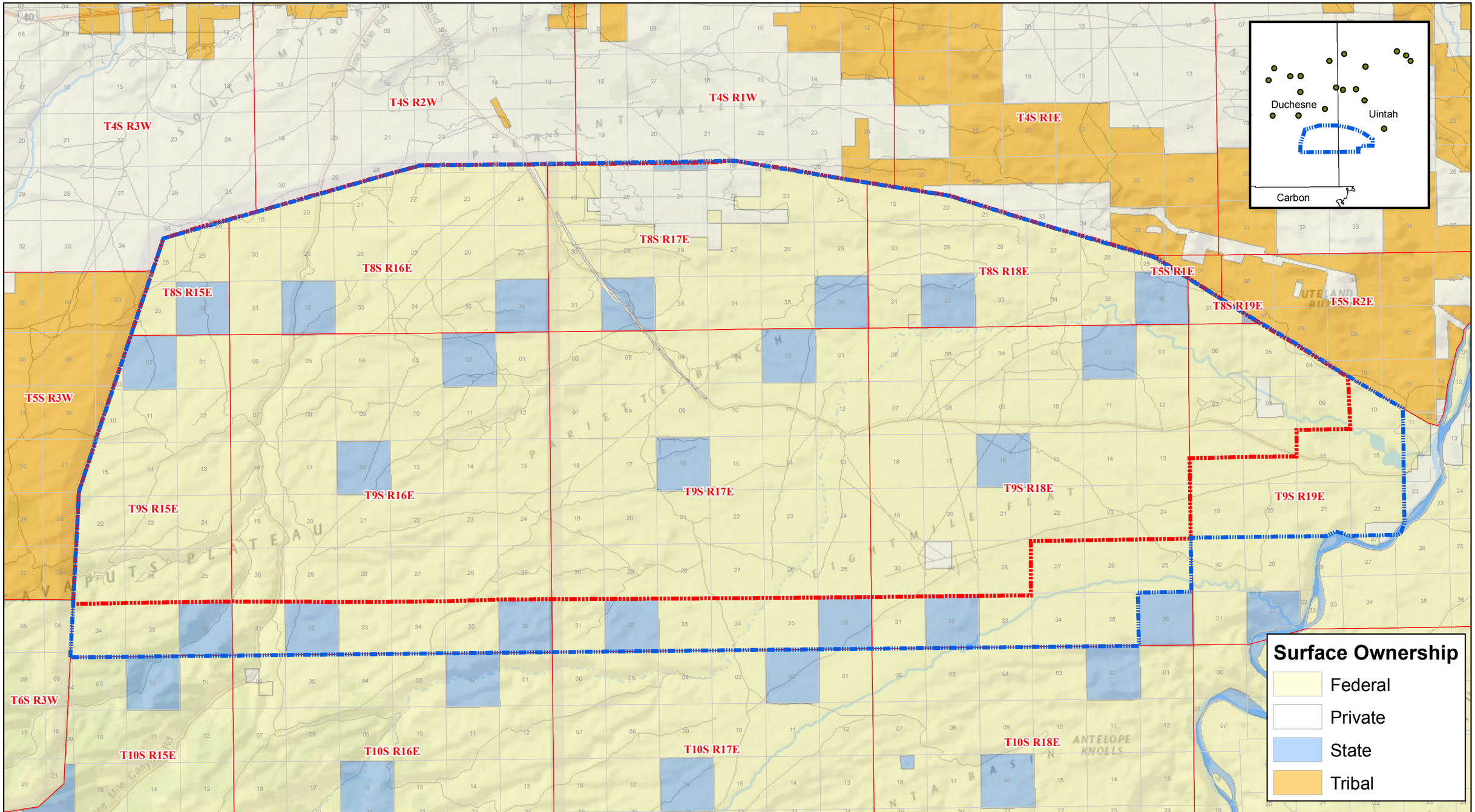

0 1.25 2.5 5 Miles

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Legend

- Project Area Boundary
- Unit Boundary
- Cities

Base Map: ESRI Online Map
Land Ownership Data: Utah
SGID ArcSDE Database (2013)

N W E S

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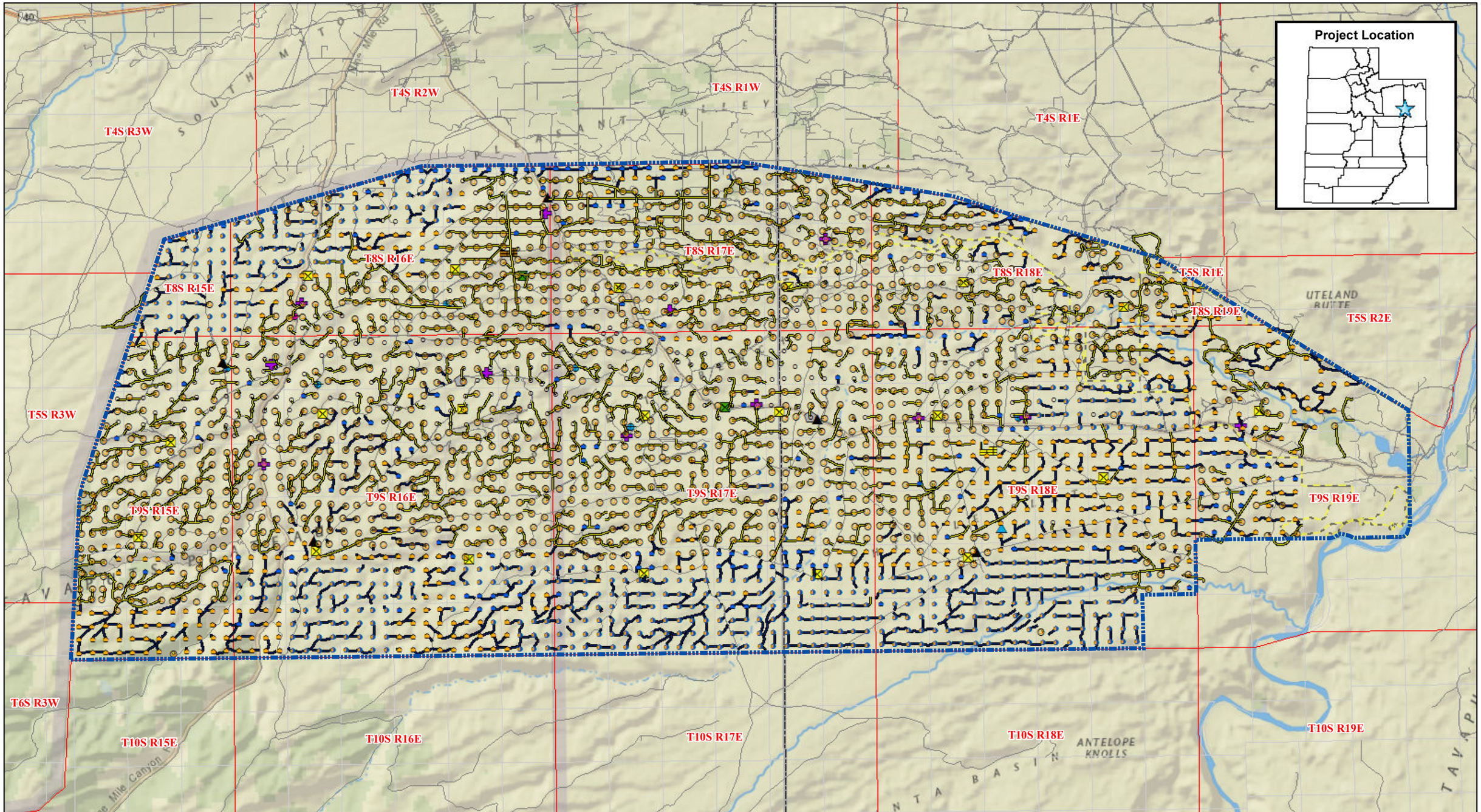
PROJECT NO.	116133
DRAWN:	9/12/2013
DRAWN BY:	A.Leonard
CHECKED BY:	J.Habiger
FILE NAME:	SurfaceOwnership.mxd

Newfield Exploration Company
Monument Butte EIS

Monument Butte Project Area

FIGURE
1.1-1



Legend

- Project Boundary
- Existing Well Location to be Expanded for Deep Gas Well Pad
- Proposed Deep Gas Well Pad
- Proposed Green River Formation Well Pad
- Proposed Green River Well Pad & Expansion for Deep Gas Well Pad
- Existing Road to be Upgraded with Co-located ROW for Pipeline & Powerline Corridors
- Proposed Conceptual Co-located ROW for Road, Pipeline, and Powerline Corridors
- Existing Gas Processing Plant
- Proposed Gas Processing Plant
- Existing Water Injection Facility
- Proposed Water Injection Facility
- Existing Green River Compressor Station
- Proposed Green River Compressor Station
- Proposed Deep Gas Compressor Station
- Existing Central Tank Battery
- Fresh Water Collector Well
- Proposed Pump Station
- Proposed GOSP
- County Boundary
- Pariette ACEC

0 0.5 1 2 Miles

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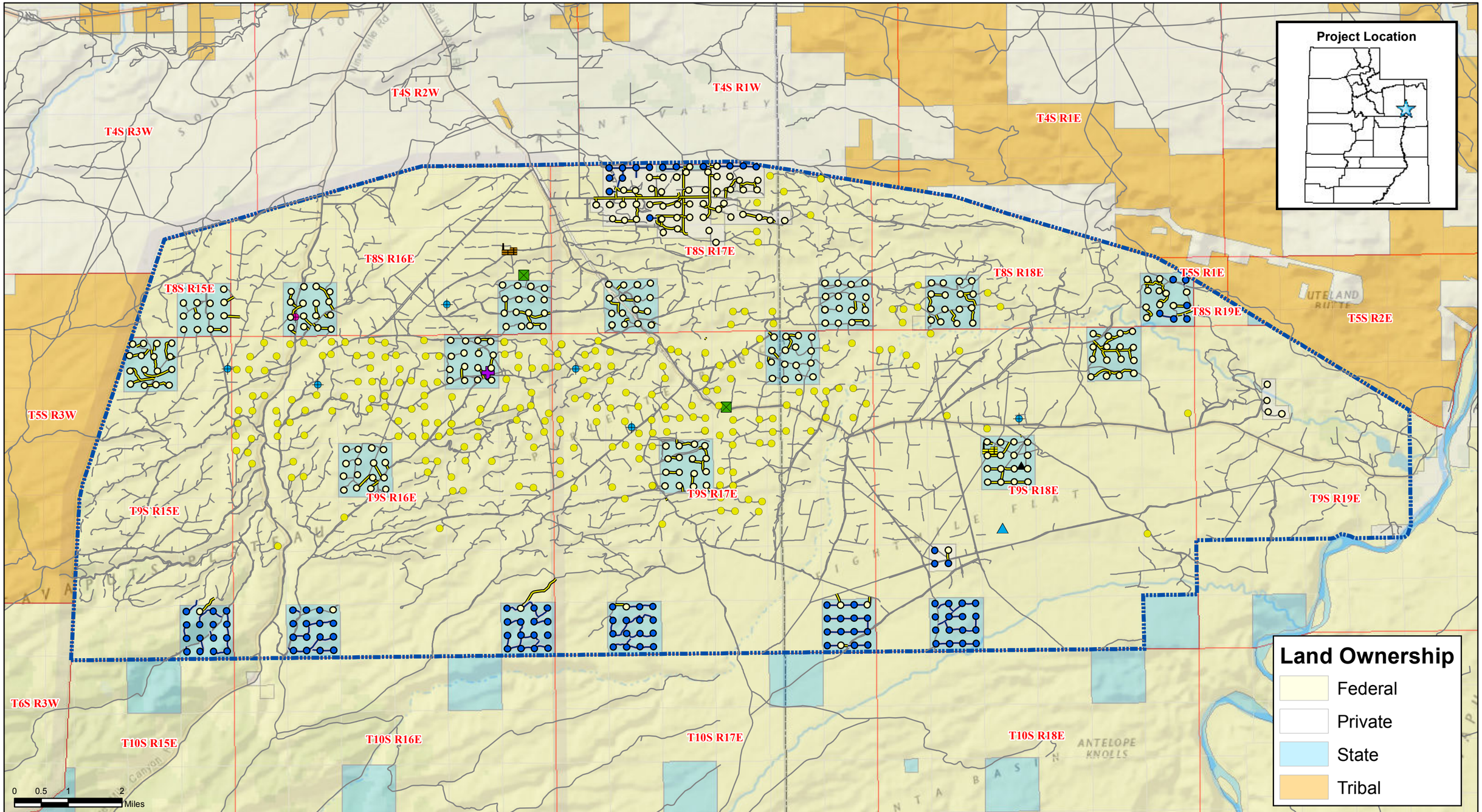
CHECKED BY:	J.Habiger
FILE NAME:	ProposedAction_AltemativeA.mxd

Monument Butte EIS

Newfield Production Company
Alternative A - Proposed Action

FIGURE
2-1



Legend

- Project Boundary
- Existing Well Pads to be Expanded
- Proposed New Green River 40 Acre Spacing Well Pads
- Wells Remaining to be Drilled Under Other Approved or Proposed Newfield Projects
- Fresh Water Collector Well
- Existing Green River Compressor Station
- Proposed Pump Stations
- Existing Water Injection Facility
- Proposed Water Injection Facility
- Proposed Gas Processing Plant
- Existing Gas Processing Plant
- Proposed GOSP
- Existing Road to be Upgraded with Co-located ROW for Road, Pipeline & Powerline Corridors
- Proposed Conceptual Co-located ROW for Road, Pipeline & Powerline Corridors
- County Boundary

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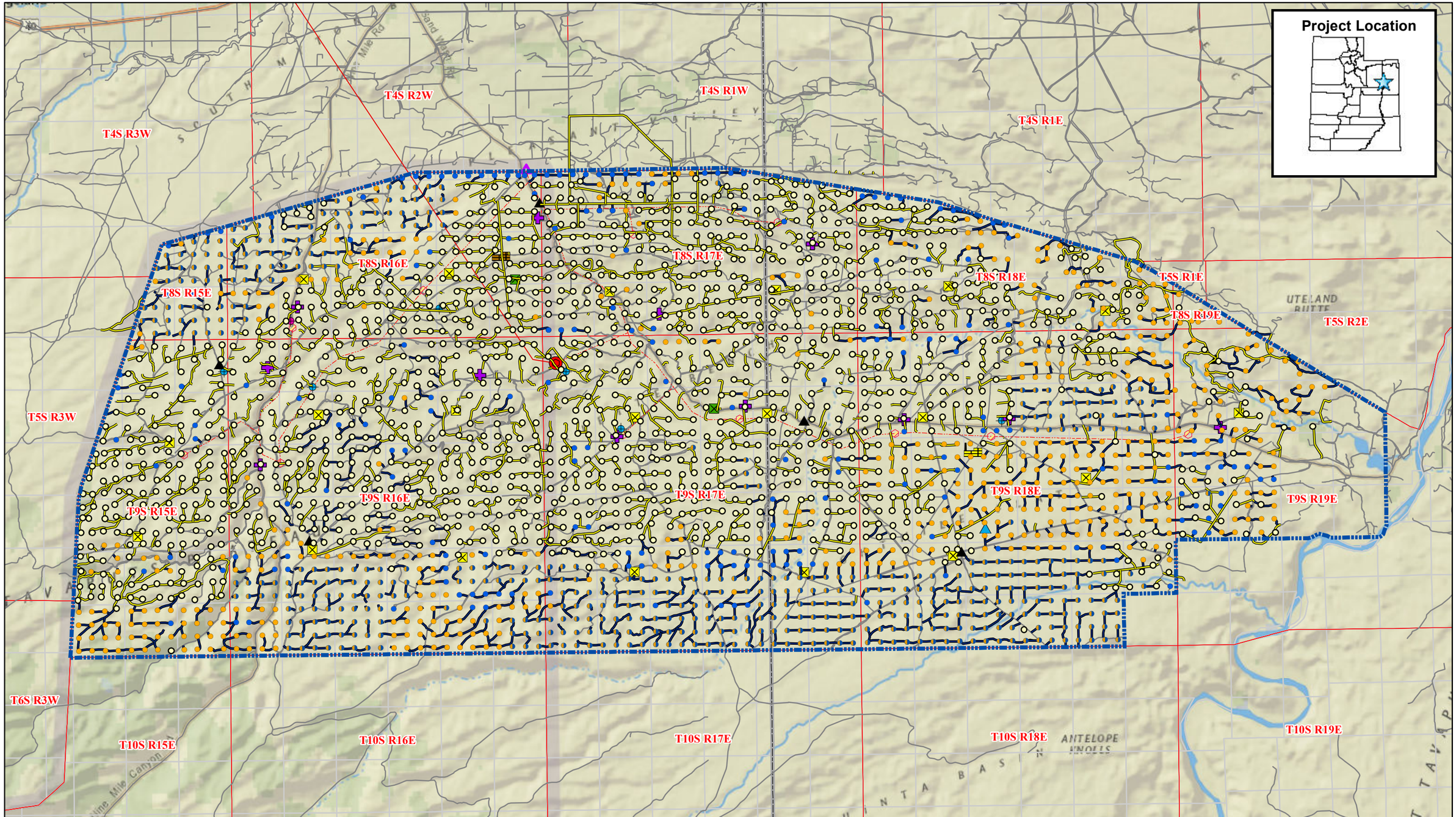
FILE NAME:	AlternativeB_Template.mxd

Monument Butte EIS

Newfield Production Company
Alternative B - No Action

FIGURE
2-2



Legend

- Proposed Green River Well Pad & Expansion for Deep Gas Well Pad
- Proposed Deep Gas Well Pad
- Proposed Green River Formation Well Pad
- Existing Well Location to be Expanded for Deep Gas Well Pad
- Proposed Conceptual Co-located ROW for Road, Pipeline, and Powerline Corridors
- Existing Road to be Upgraded with Co-located ROW for Pipeline & Powerline Corridors
- Project Boundary
- Existing Roads
- Existing 69kV Pole Line
- Existing Generating Station
- 138kV TO 69kV Transfer Generation Station
- Proposed 69kV Pole Line
- Proposed Generation Station
- Existing Gas Processing Plant
- Proposed Gas Processing Plant
- Existing Water Injection Facility
- Proposed Water Injection Facility
- Existing Green River Compressor Station
- Proposed Green River Compressor Station
- Proposed Deep Gas Compressor Station
- Fresh Water Collector Well
- Proposed Pump Station
- Proposed GOSP
- County Boundary

0 0.5 1 2 Miles

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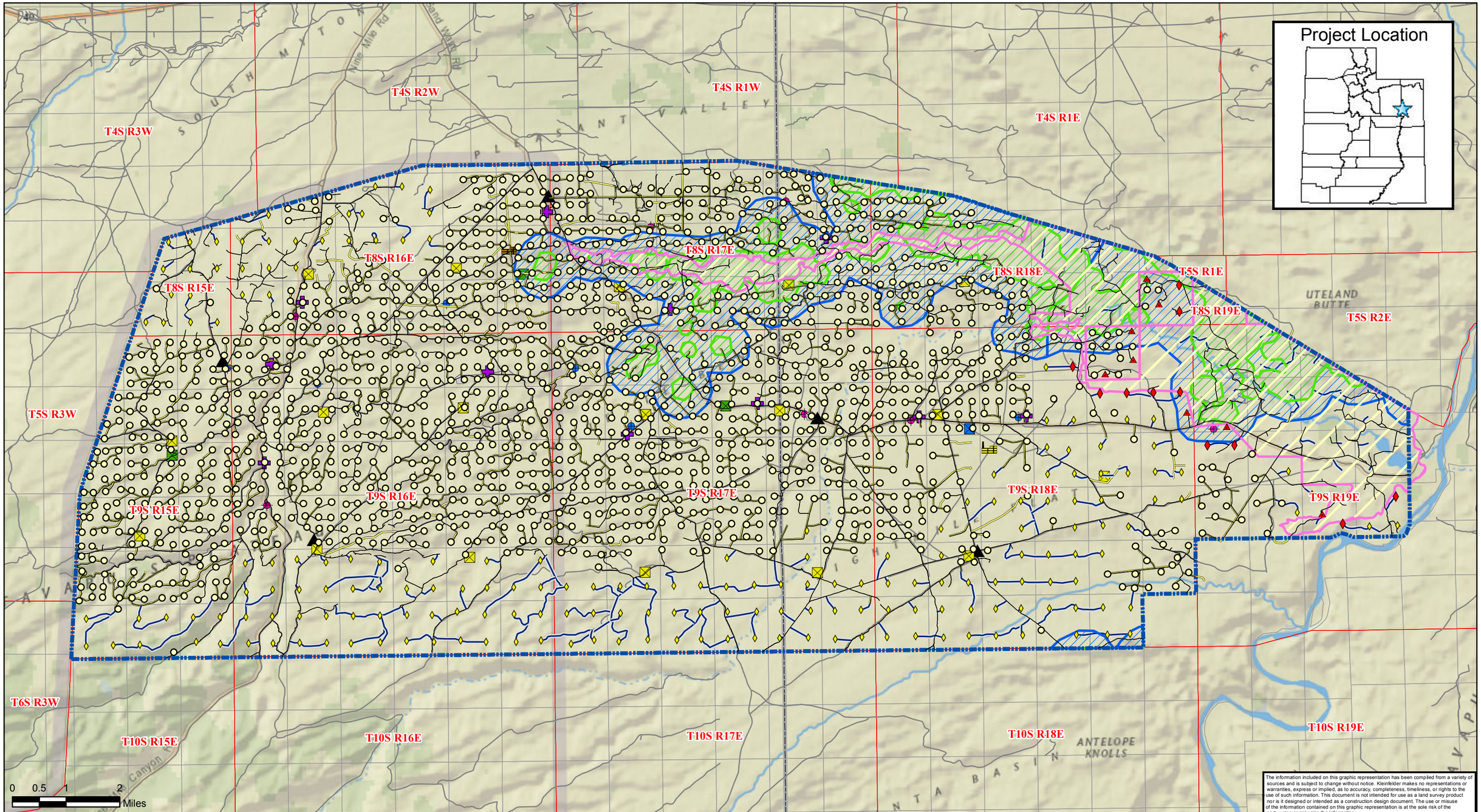
CHECKED BY:	J.Habiger
FILE NAME:	AlternativeC_20130905.mxd

Monument Butte EIS

Newfield Production Company
Alternative C - Field-Wide Electrification

FIGURE
2-3



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Legend

- Project Boundary
- ACEC Boundary
- Proposed 160 Acre Spacing Green River Well Pads (Expansion for Deep Gas)
- Proposed 160 Acre Spacing Well Pads to Directionally Drill in ACEC
- Existing Well Pad to be Expanded for Deep Gas
- Existing Well Pad to be Expanded & Directionally Drill in ACEC
- Existing Central Tank Battery
- Proposed Deep Gas Compressor Station
- Existing Green River Compressor Station
- Proposed Green River Compressor Station
- Proposed Pump Station
- Existing Gas Processing Plant
- Proposed Gas Processing Plant
- Existing Water Injection Facility
- Proposed Water Injection Facility
- County Boundary
- Proposed GOSP
- Existing ROWs (Alt D)
- Conceptual ROWs (Alt D)
- Level 2 CCA
- Level 1 CCA

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DRAWN BY:	A.Leonard
CHECKED BY:	N.Peace
FILE NAME:	AlternativeD_CactusComponent_v4.mxd

Monument Butte EIS

Newfield Production Company
Alternative D - Resource Protection

FIGURE
2-4

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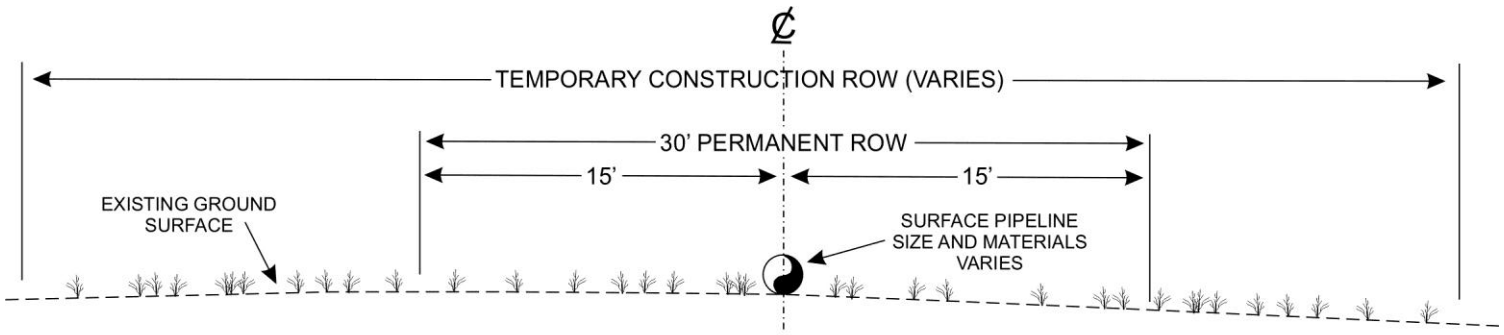
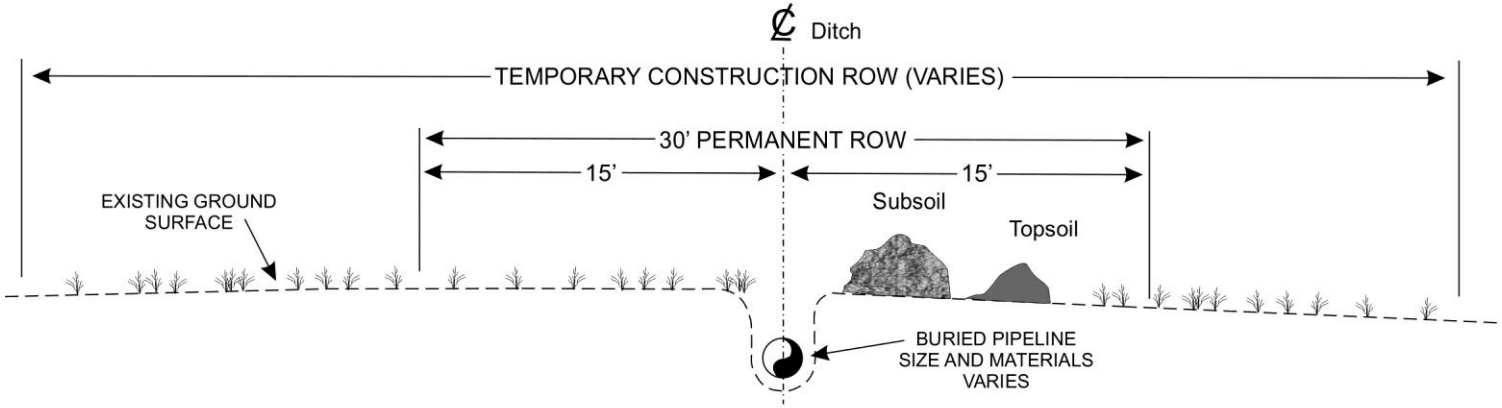


TYPICAL SURFACE LINE INSTALLATION

(NOT TO SCALE)



TYPICAL BURIED LINE INSTALLATION

(NOT TO SCALE)

Figure 2.1.2.4-1. Typical "Cross-Country" Pipeline Installation Scenarios with Width Specifications

Figure 2.2.2.1-1. Typical Single Well Pad Layout

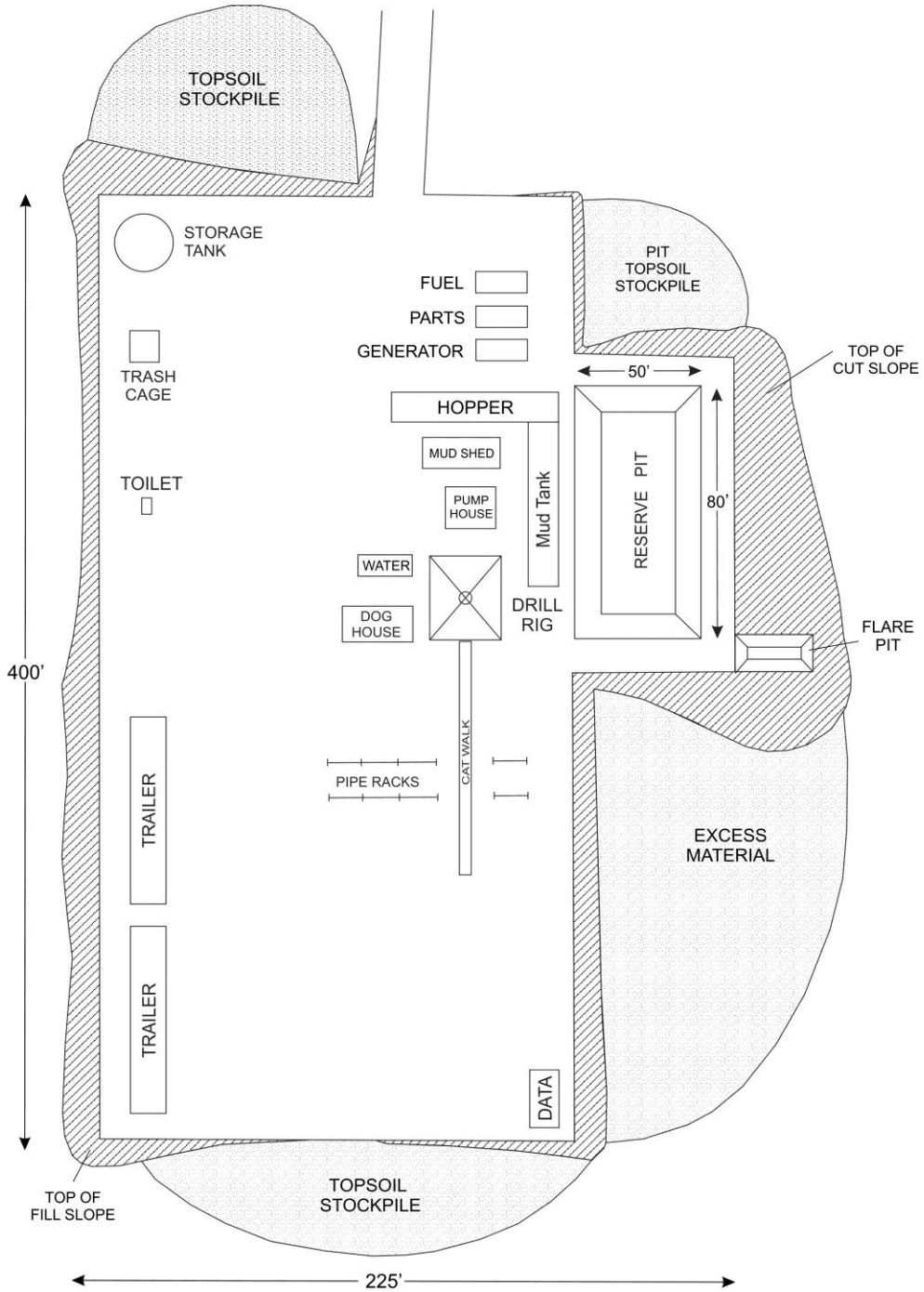
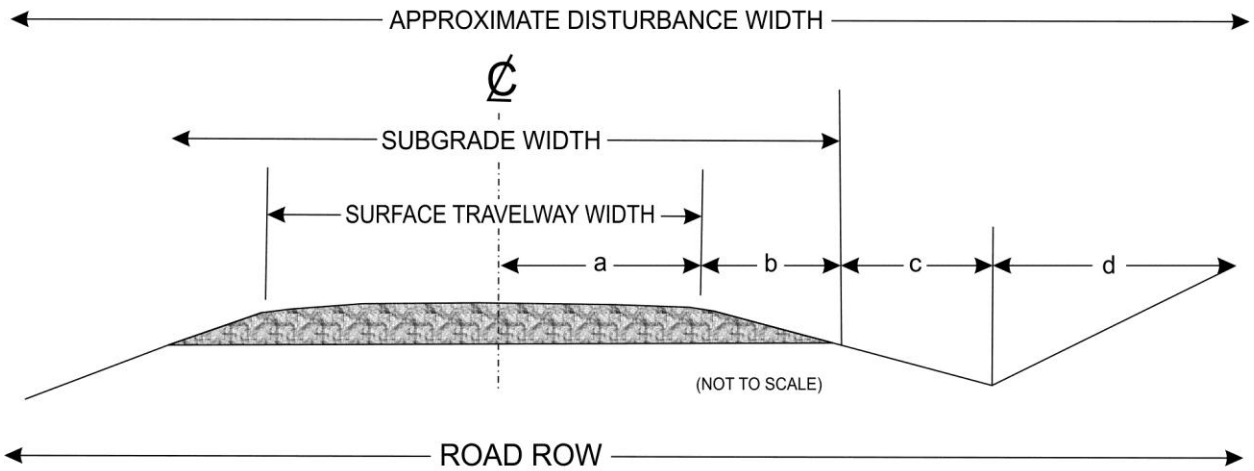


Figure 2.2.2.3-1. Typical Roadway Cross Section with Width Specifications



	Minimum Subgrade Width (ft.)	Minimum Surfaced Travelway Width (ft.)	a (ft.)	b (ft.)	c (ft.)	d (ft.)	Approximate Disturbance Width (ft.)	Total ROW Width (ft.)	Design Speed (mph)
Resource Road	16	12	6	2	4	8	40	50	15-30
Local Road	24	20	10	2	4	8	48	55	20-50
Collector Road	28	24	12	2	4	8	52	60	30-50

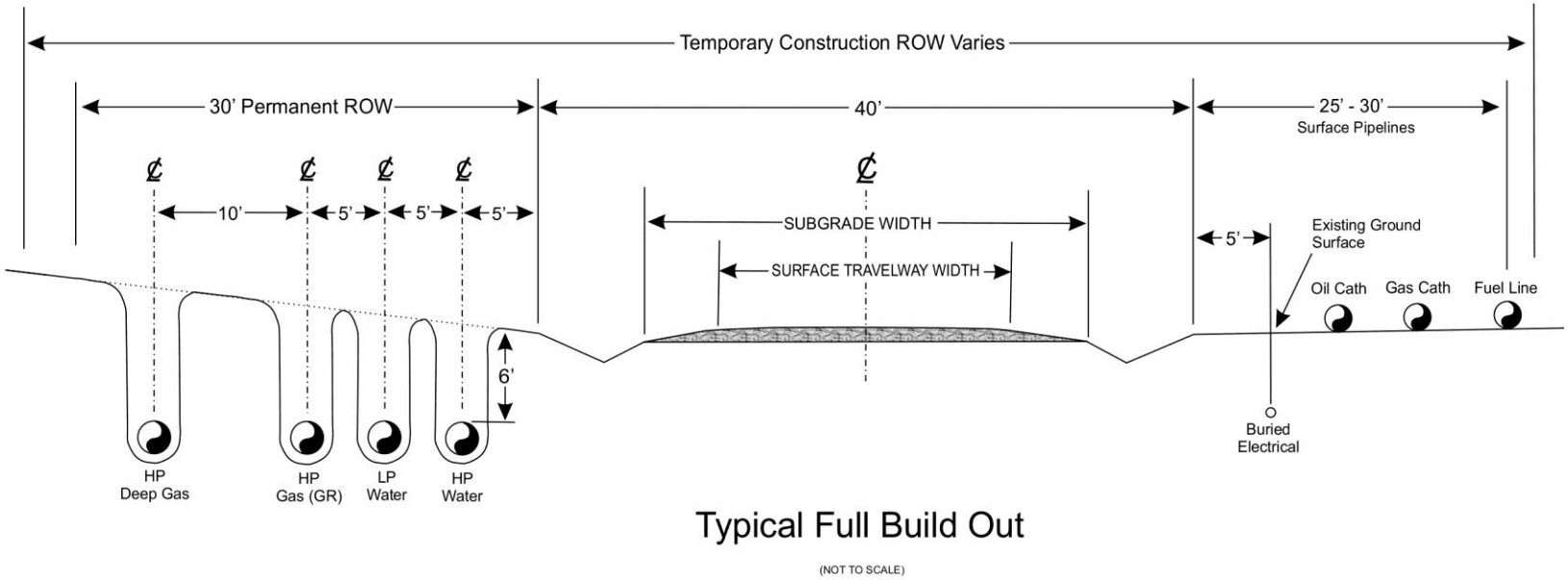


Figure 2.2.2.3-2 Typical Roadway Cross-section with Pipeline Installation Along Side Road.

Figure 2.2.2.5-1. Typical Compressor Station Layout

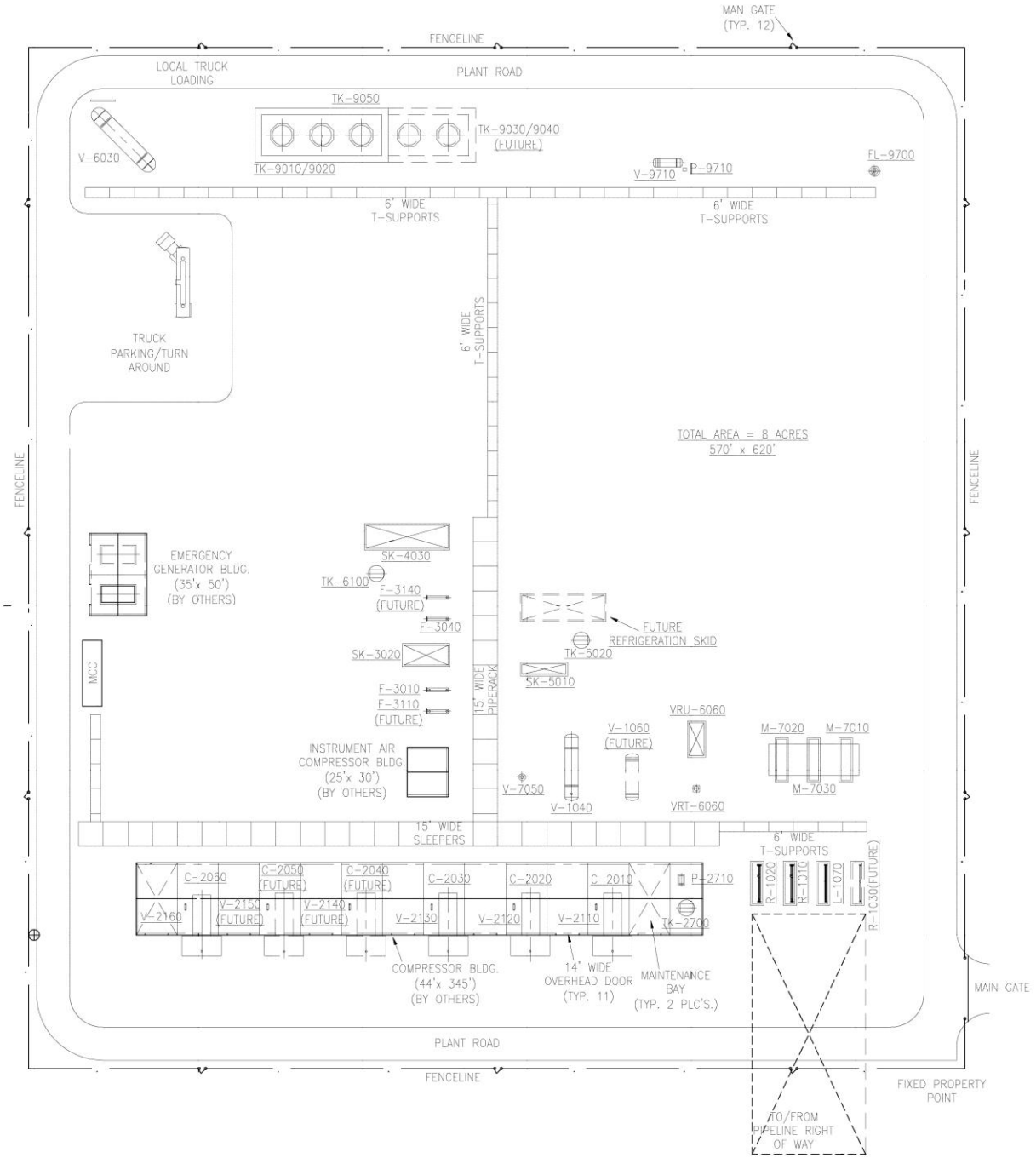


Figure 2.2.2.8-1. Typical Gas and Oil Separation Plant Layout

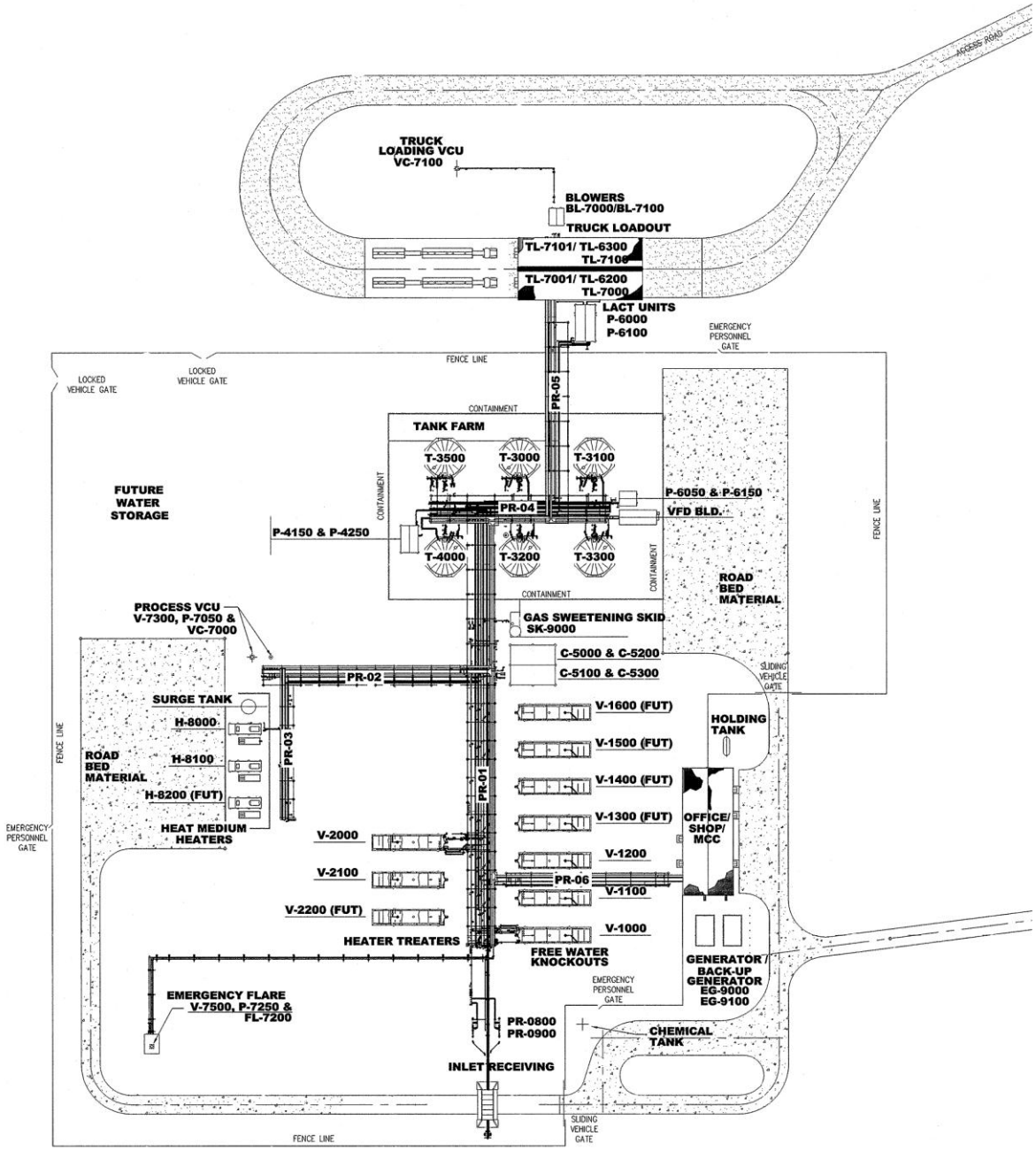


Figure 2.2.3-1 – Example Well Bore Diagram (GMBU C-2-9-17)

Spud Date: 7/15/2011

Put on Production: 9/7/2011

GL: 5006' KB: 5018'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 16 jts. (716.42')

DEPTH LANDED: 728.74' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 350, sxs Class "G" cmt

TOC: Surface (7 bbls cmt circulated to pit 7/15/2011)

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 141 jts. (6165.04')

DEPTH LANDED: 6182.65' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 260 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

TOC: 29 ft FS (CBL 8/22/2011)

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 184 jts. (5724.2')

TUBING ANCHOR: 5736.2' KB

NO. OF JOINTS: 1 jt. (31.4')

SEATING NIPPLE: 2-7/8" (1.1')

SN LANDED AT: 5770.4' KB

NO. OF JOINTS: 2 jts. (61.8')

NOTCHED COLLAR: 5833.3' KB

TOTAL STRING LENGTH: EOT @ 5834' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod

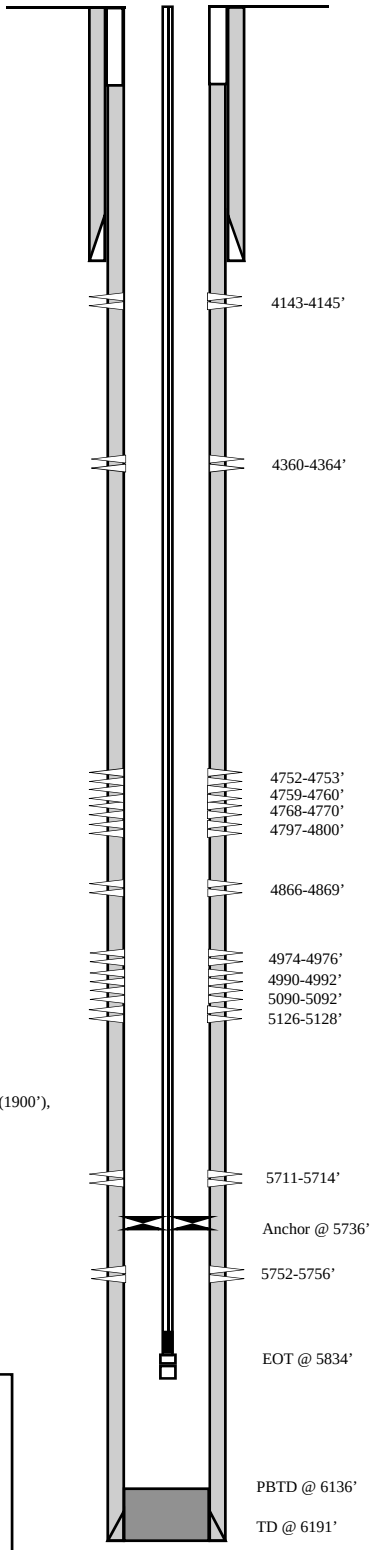
SUCKER RODS: 1 – 7/8" x 2' Pony Rod, 76 – 7/8" 4per Guided Rods (1900'), 145 – ¾" 4per Guided Rods (3625'), 5 – 1½" Sinker Bars (125'), 5 – 1" Stabilizer Bars (20')

PUMP SIZE: 2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC

STROKE LENGTH:

PUMP SPEED: 5 SPM

Wellbore Diagram



FRAC JOB

8/22/2011 5711-5756' **Frac CP1 and CP2, sands as follows:** Frac with 39387# 20/40 white sand in 260 bbls Lightning 17 fluid; 434 bbls total fluid to recover.

8/31/2011 4974-5128' **Frac C, B1 and B2, sands as follows:** Frac with 46023# 20/40 white sand in 300 bbls Lightning 17 fluid; 428 bbls total fluid to recover.

8/31/2011 4752-4869' **Frac D1, D2 and DS3, sands as follows:** Frac with 199586# 20/40 white sand in 1222 bbls Lightning 17 fluid; 1348 bbls total fluid to recover.

8/31/2011 4143-4364' **Frac GB2 and GB6, sands as follows:** Frac with 50997# 20/40 white sand in 311 bbls Lightning 17 fluid; 418 bbls total fluid to recover.

PERFORATION RECORD

5752-5756'	3 JSPF	12 holes
5711-5714'	3 JSPF	9 holes
5126-5128'	3 JSPF	6 holes
5090-5092'	3 JSPF	6 holes
4990-4992'	3 JSPF	6 holes
4974-4976'	3 JSPF	6 holes
4866-4869'	3 JSPF	9 holes
4797-4800'	3 JSPF	9 holes
4768-4770'	3 JSPF	6 holes
4759-4760'	3 JSPF	3 holes
4752-4753'	3 JSPF	3 holes
4360-4364'	3 JSPF	12 holes
4143-4145'	3 JSPF	6 holes

NEWFIELD

Greater Monument Butte C-2-9-17

502'FNL & 1961' FEL (NW/NE)

Section 2, T9S, R17E

Uintah County, Utah

API #43-047-51551; Lease #ML-45555

TW 11/29/2011
Updated by JKP 12/1/2011

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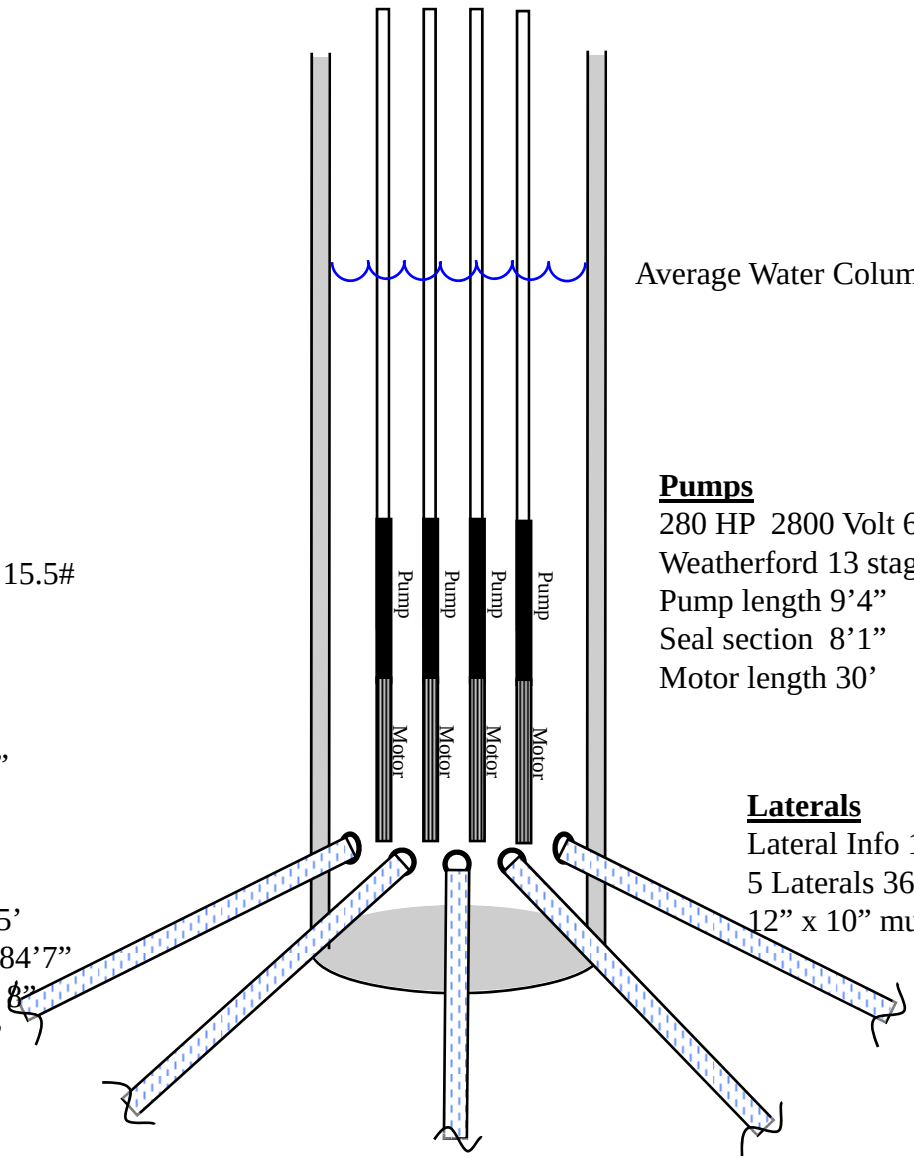
Figure 2.2.8.3-1 Example Water Collector Well

Casing
Cement Caisson
16’ OD 13 ½’ ID
75’ deep from GL
11’ above ground

Casing
Cement Caisson
16’ OD 13 ½’ ID
75’ deep from GL
11’ above ground

Tubing
SIZE/GRADE/WT.: 5-1/2” / J-55 / 15.5#
PUMP 1&3 TBG LENGTH 37’2”
PUMP 2 TBG LENGTH 32’3”
PUMP 4 TBG LENGTH 35’
NO. OF SUBS 1jt each
NO. OF X-OVER 1 each 5 ½” X 6”
X-OVER LENTGH 1’1”
SHROUD LEGNTH 48’
SHROUD SUB LEGNTH 5’8”
TBG SUBS FOR PUMP 1 thru 4 = 5’
TOTAL STRING LENGTH: 1&3= 84’7”
TOTAL STRING LENGTH: 2= 79’ 8”
Total string Length #4 = 82’ 6”



Average Water Column Height 54’

Pumps
280 HP 2800 Volt 60 Amp Motors
Weatherford 13 stage submersible
Pump length 9’4”
Seal section 8’1”
Motor length 30’

Laterals
Lateral Info 160’
5 Laterals 36 degrees on a 150 degree arc
12” x 10” muni-pack screen 150’

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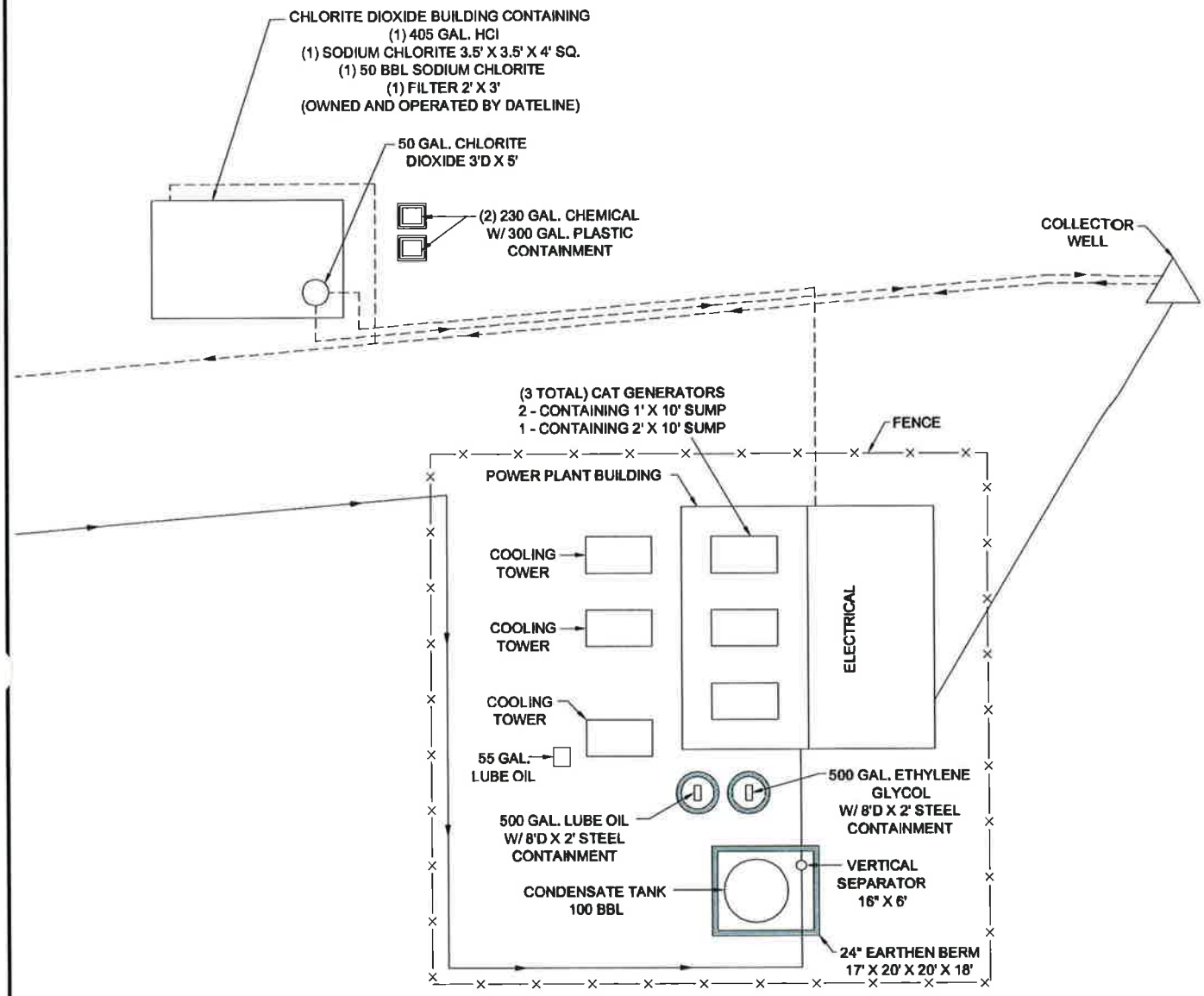

N	COLLECTOR WELL
	Newfield Exploration Company SE1/4 Sec 22 and NE1/4 Sec 27, T9N, R19E Uintah County, UT
N.T.S.	KLEINFELDER Bright People. Right Solutions.
M.G.	
APR 2013	

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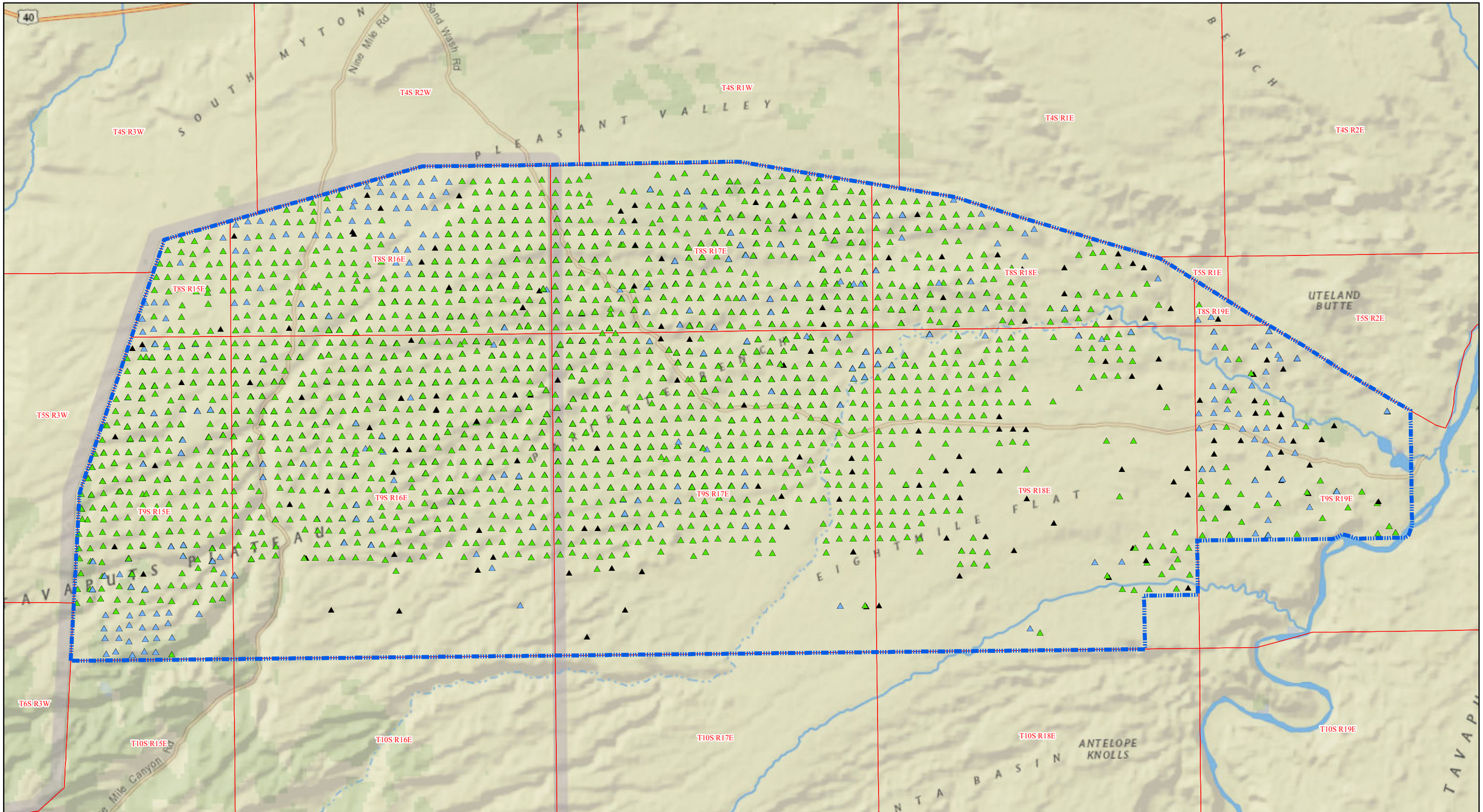

0 1.25 2.5 5 Miles

Legend

- Project Area Boundary
- Active Wells: DRL (122), P (1324), S (113), A (1014)
- Inactive: P (169), I (1)
- Future: NEW (13), APD (372)

N W E S

Base Map: ESRI Online Map
Well Data: UDOGM (2013)

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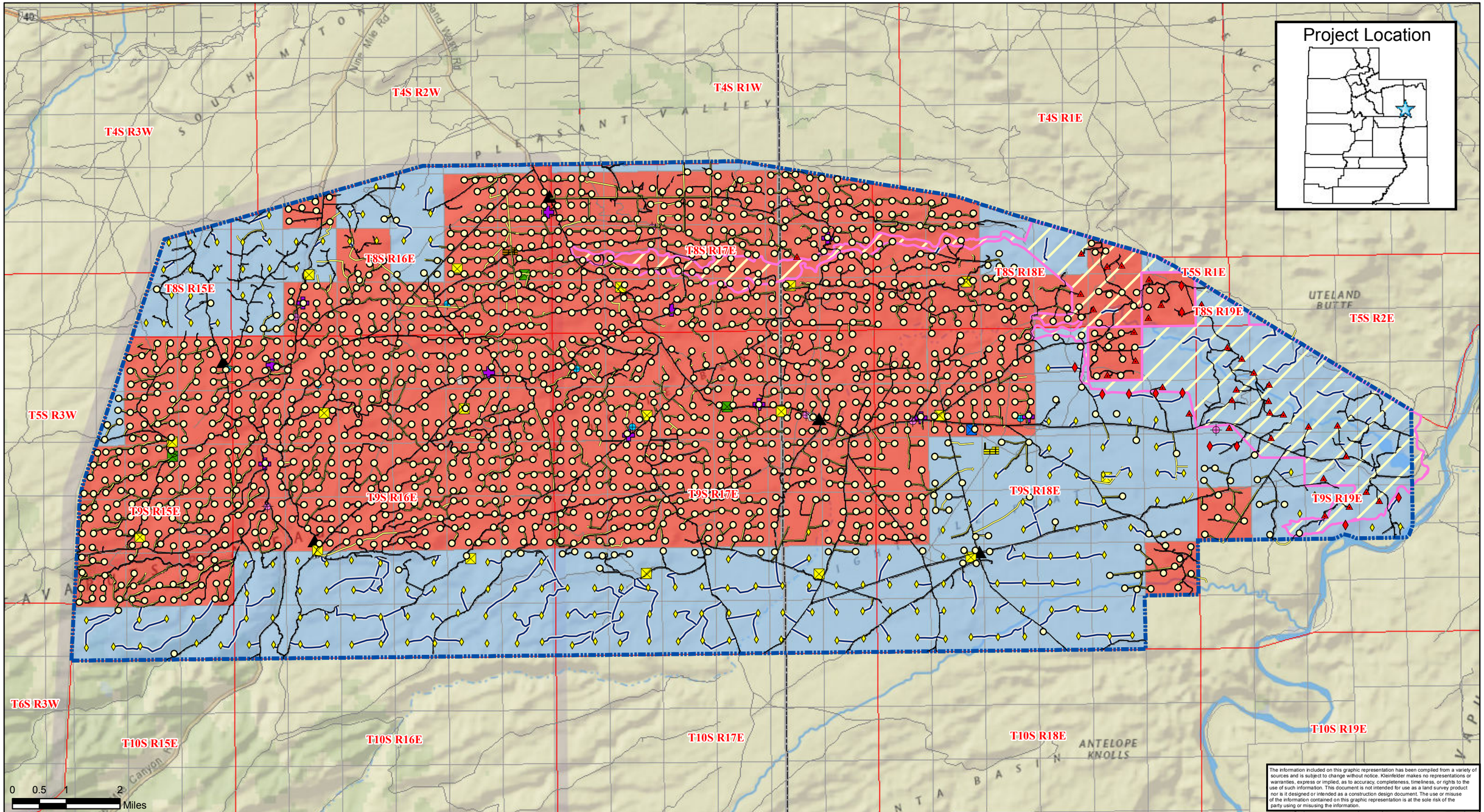
DRAWN:	9/10/2013
DRAWN BY:	A.Leonard
CHECKED BY:	J.Habiger
FILE NAME:	TarSands_OilShale_v2.mxd

Newfield Exploration Company
Monument Butte EIS

Active, Inactive, and Future Wells Within the MBPA

FIGURE
2.3-1



Legend

- Project Boundary
- ACEC Boundary
- Proposed 160 Acre Spacing Green River Well Pads (Expansion for Deep Gas)
- Existing Well Pad to be Expanded for Deep Gas
- Existing Well Pad to be Expanded & Directionally Drill in ACEC
- Proposed 160 Acre Spacing Well Pads Utilized for Directional Drilling into ACEC
- Existing Central Tank Battery
- Proposed Deep Gas Compressor Station
- Existing Green River Compressor Station
- Proposed Green River Compressor Station
- Existing Gas Processing Plant
- Proposed Gas Processing Plant
- Existing Water Injection Facility
- Proposed Water Injection Facility
- County Boundary
- Proposed GOSP
- Existing ROWs (Alt D)
- Conceptual ROWs (Alt D)
- High-Density Dev. Area
- Low-Density Dev. Area

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DRAWN BY:	A.Leonard
CHECKED BY:	J.Habiger
FILE NAME:	AlternativeD_WellPadDensityBySection_v5

Newfield Exploration Company
Monument Butte

High- and Low-Density Development Areas
Under Alternative D
Uintah & Duchesne Counties, Utah

FIGURE
2.6-1

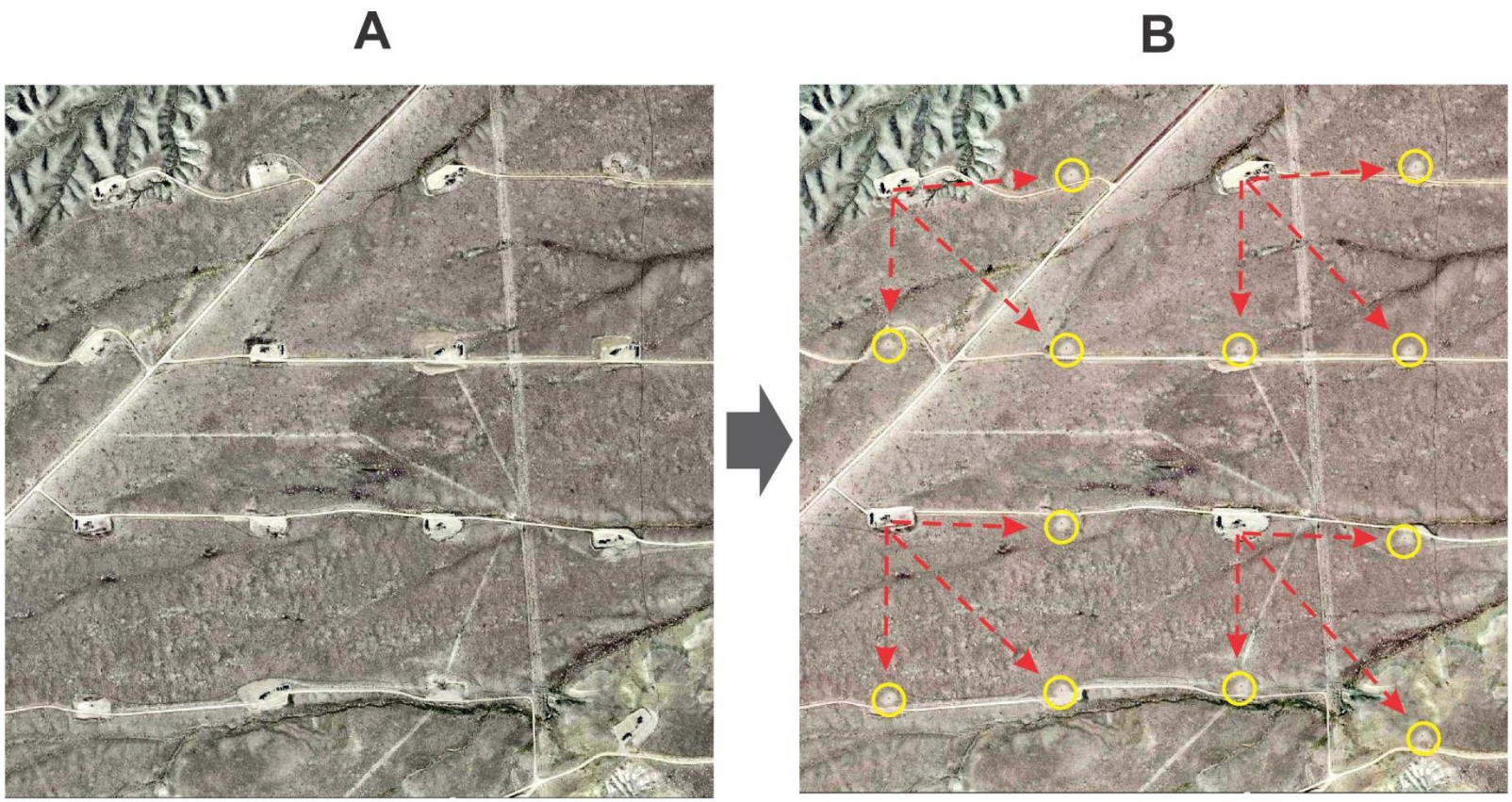
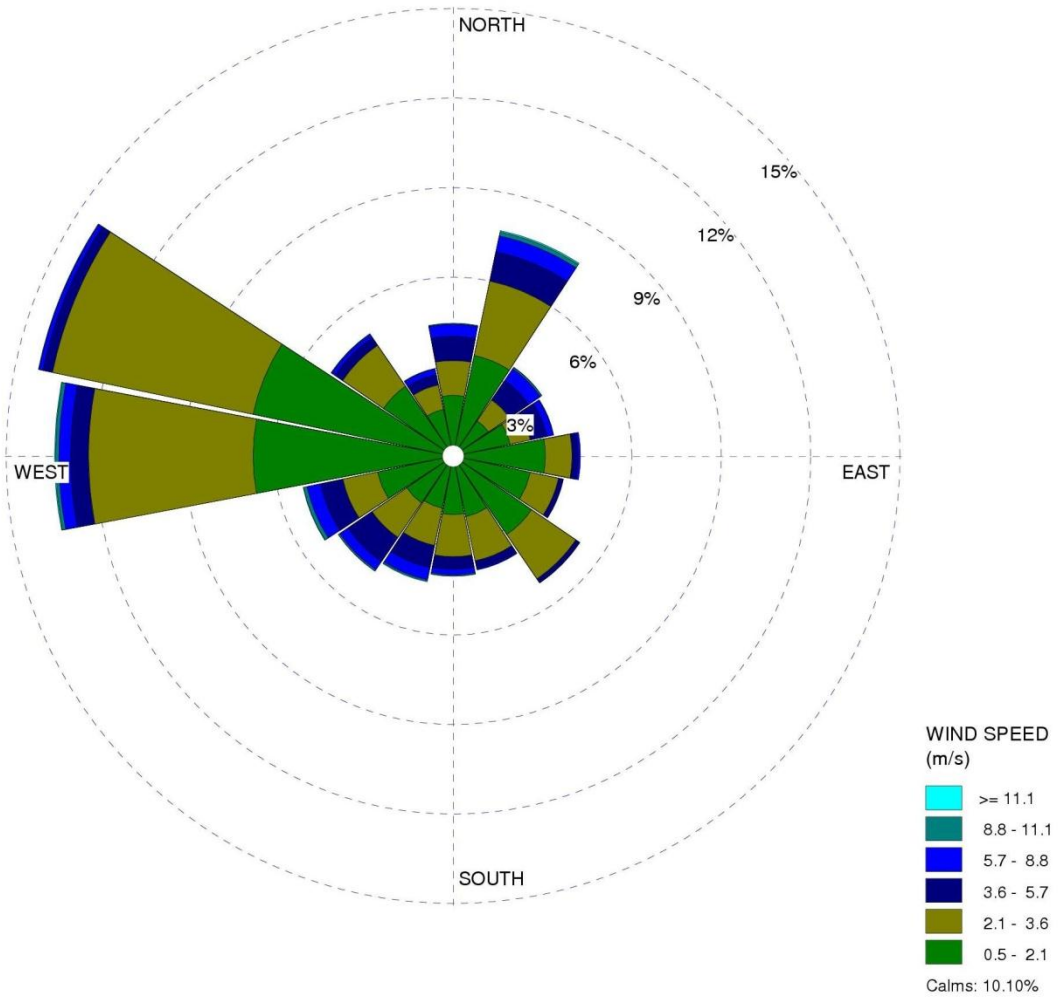
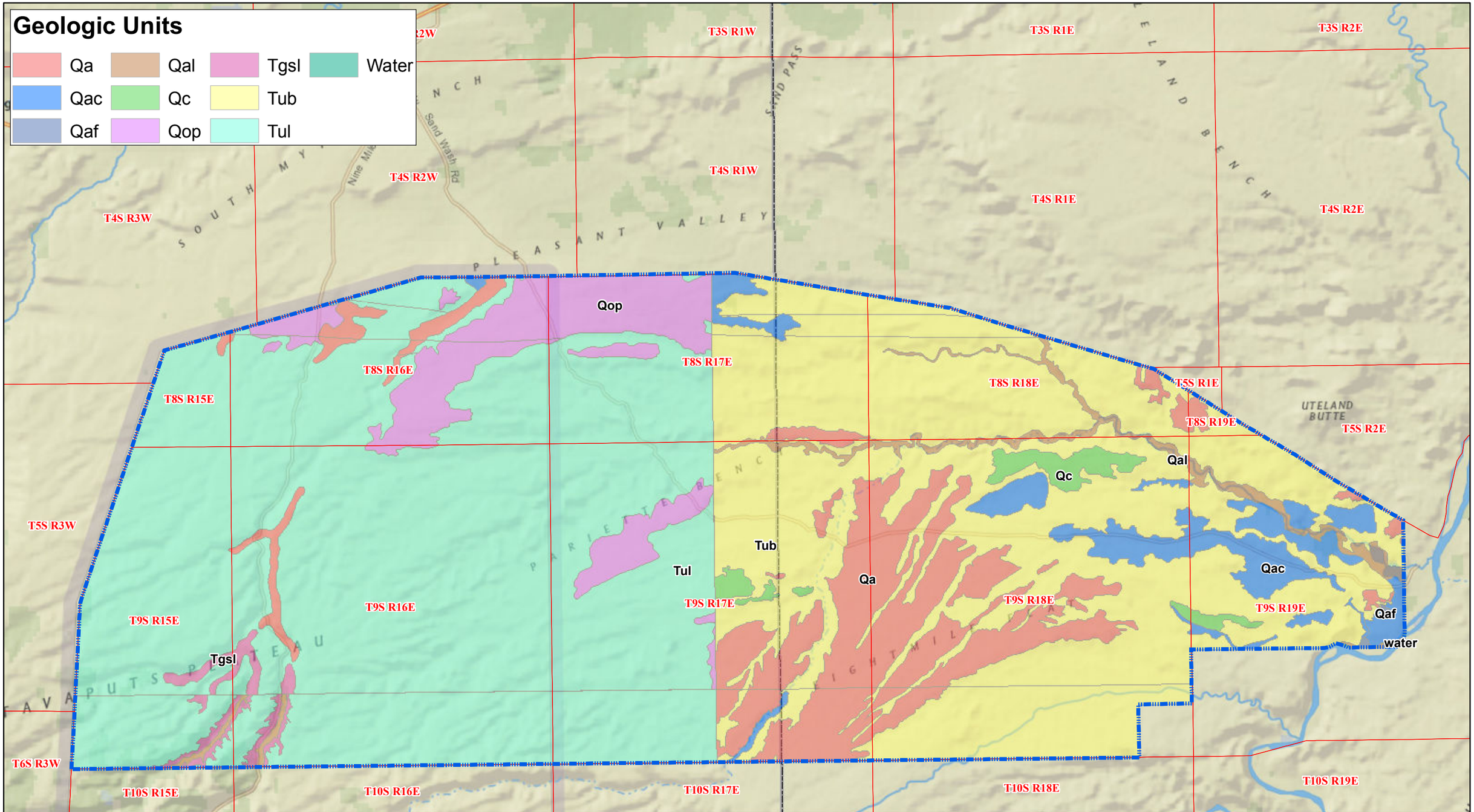


Figure 2.6-2. Comparison of a Typical 640-acre Section Drilled at a 40-acre Surface Spacing (16 Well Pads) (A), with Simulations of Four of the Well Pads Expanded for Directional Drilling, and the Conversion of the Remaining 12 Well Pads Into Water-flood Injection Wells as Shown in Yellow (B).

Figure 3.2.1.2-1. Wind Rose from Vernal Data 2005-2009





0 1.25 2.5 5 Miles

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Legend

Project Area Boundary

Base Map: ESRI Online Map
Geology Data: Utah Geological Survey (2000)

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DRAWN BY:	A.Leonard
CHECKED BY:	J.Habiger
FILE NAME:	SurficialGeology.mxd

Newfield Exploration Company
Monument Butte EIS

Surficial Geology
Uintah & Duchesne Counties, Utah

FIGURE
3.3.1-1

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Figure 3.3.1-2. Geographic History and Stratigraphy of the Uinta Basin Region

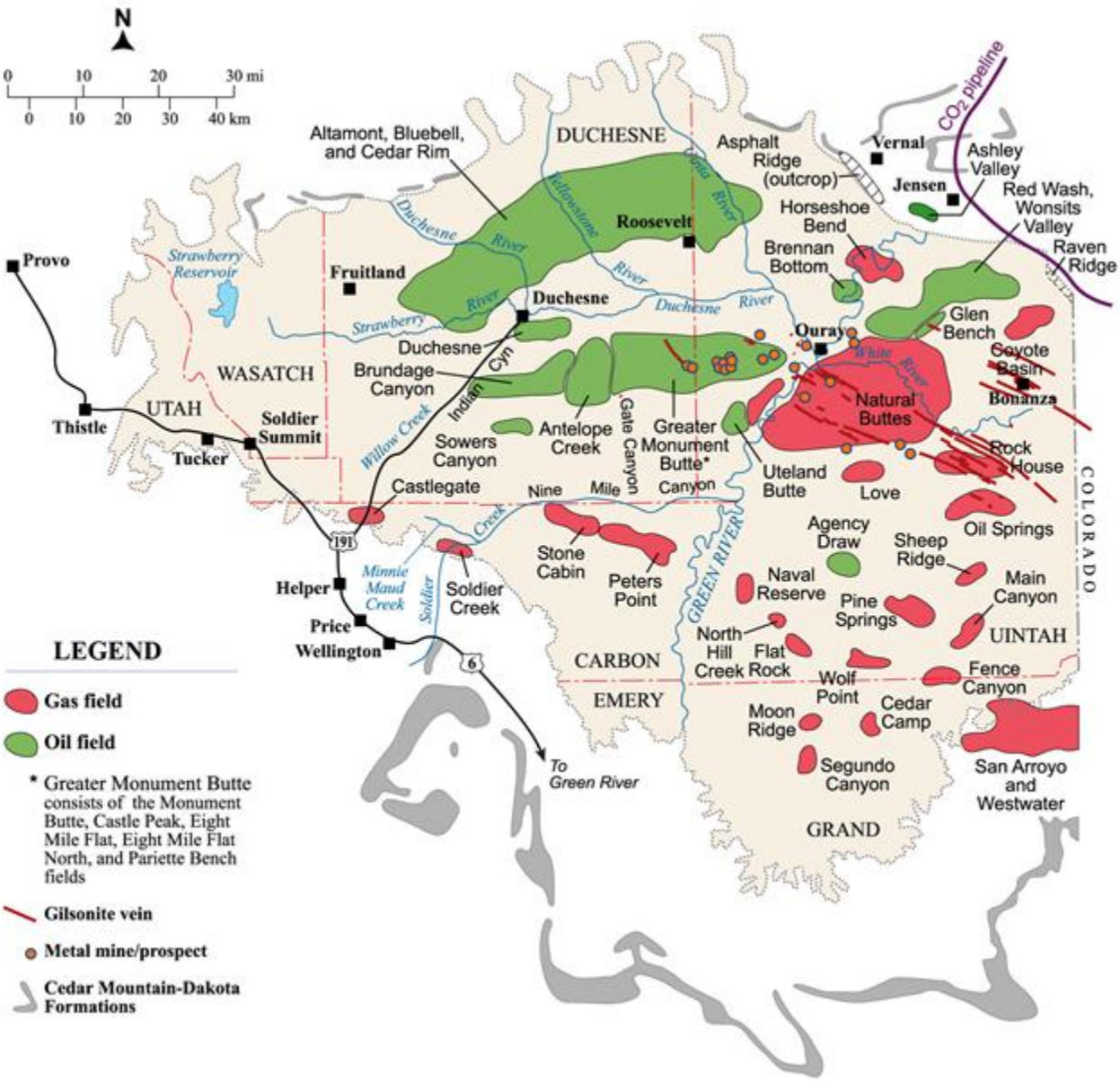
SYSTEM	SERIES	SYMBOL	FORMATIONS	Thickness* (meters) (not to scale)	NOTES
Quaternary	Holocene	Q**	Unconsolidated deposits	less than 50	
	Pleistocene	Qas3	South Flank peidmont alluvium	less than 10	Alpine glaciers in Uinta Mountains. Capture of Green River by Colorado River
Tertiary	Oligocene	Tb	Bishop Conglomerate	less than 50	Crustal relaxation; Uinta Mountains down- dropped along Uinta fault zone and drainage patterns change in eastern Uintas
		Tds	Starr Flat Member of Duchesne River Formation	40-230	Crustal stability; Gilbert Peak erosion surface forms and Bishop Conglomerate is deposited; Uinta Mountain Group is well exposed
	Eocene	Tdl	Lapoint Member of Duchesne River Formation	120	
		Tdd	Dry Gulch Creek Member of Duchesne River Formation	less than 150	
		Tdb	Brennan Basin Member of Duchesne River Formation	220-600	Local uplift near the northern margin of the Uinta Basin; the Duchesne River Fm unconformably overlies the Green River Fm through the Mesaverde Group from near Squaw Ridge to Asphalt Ridge; the Duchesne River Formation is interbedded with Uinta Formation in the Uinta Basin
		Tu: Tuc	Member C of Uinta Formation	60-250	
		Tu: Tub	Member B of Uinta Formation	about 275	Contains gilsonite deposits
		Tu: Tua	Member A of Uinta Formation	0-220	
		Tgp	Parachute Creek Member of Green River Formation	0-270	Mahogany oil shale zone
		Tgd	Douglas Creek Member of Green River Formation	0-150	Uinta Mountains continue to uplift and erode; creation of Lake Uinta as the Uinta Basin continues to subside; contains oil shale and oil reserves
		Tg-Tw	Green River-Wasatch Formations transition zone	75-265	
		Tw	Wasatch Formation	300-920	Uinta Mountains continue to uplift and erode locally exposing the Uinta Mountain Group; subsidence of Uinta Basin; gas reservoir in Uinta Basin
		Tgd	Flagstaff Member of Green River Formation	70-800+	Unconformity, about 6 m.y.; TK boundary and the extinction of dinosaurs Uplift of Uinta Mountains begins near end of Cretaceous
Cretaceous	Upper	Kmvu	Upper unit of Mesaverde Group	450-550	Mesaverde Group is gas reservoir in Uinta Basin
		Kmvl	Lower unit of Mesaverde Group	200-250	contains minor coal
		Kms	Mancos Shale	1360-1700	End of Western Interior Seaway
		Kfd: Kf	Frontier Sandstone	50-85	Gas reservoir in Uinta Basin Unconformity, about 5 m.y.
		Kfd: Kmr	Mowry Shale	10-70	Fossil fish scales in Mowry
	Lower	Kfd: Kd	Dakota Sandstone	15-80	Gas reservoir in Uinta Basin K-1 unconformity, about 2 m.y.
			Cedar Mountain Formation	0-60	K-0 unconformity, about 25 m.y.
Jurassic	Upper	KJcm	Morrison Formation	245-290	Abundant dinosaur remains J-5 unconformity, about 2 m.y.
	Middle	Jsc: Js	Stump Formation	40-80	*Belemnites* fossils
		Jsc: Je	Entrada Sandstone	15-75	J-3 unconformity, about 1 m.y.
		Jsc: Jc	Carmel Formation	85-140	*Isocrinus* fossils
	Lower	JTRn	Nugget Sandstone	155-275	J-2 unconformity, about 14 m.y.; top of Nugget Sandstone may include Page Sandstone
Triassic	Upper	TRcd: TRc	Chinle Formation	85-125	Ankareh and Steinaker Formation of some workers Gartra Member
	Lower	TRcd: TRm	Moenkopi Formation	170-260	TR-3 unconformity, about 15 m.y.
		TRcd: TRd	Dinwoody Formation	0-165	TR-1 unconformity, about 6 m.y.
Permian	Lower	Pp	Park City and Phosphoria Formations	20-125	Contains phosphate deposits
Pennsylvanian	Upper	PIPw	Weber Sandstone	230-475	Unconformity, about 3 m.y. Forms cliffs and important oil reservoir in the Rocky Mountains
	Middle	IPm	Morgan Formation	10-290	
	Lower	IPrv	Round Valley Limestone	65-130	
Mississippian	Upper	Mdh	Doughnut Shale	85-95	
			Humbug Formation	75-90	
	Lower	Mm	Madison Limestone	130-300	Forms cliffs, contains marine fossils
Cambrian	Upper	Ꞓl	Lodore Formation	0-180	Unconformity, about 220-350 m.y. Base of Madison Limestone and underlying formations are not exposed in the quadrangle
Neoproterozoic	Middle / Lower?	Zu	Uinta Mountain Group	0-3500	Unconformity, about 200 m.y. Uinta Mountain group forms the core of Uinta Mountains; not likely preserved south of Asphalt Ridge and Snake John Reef

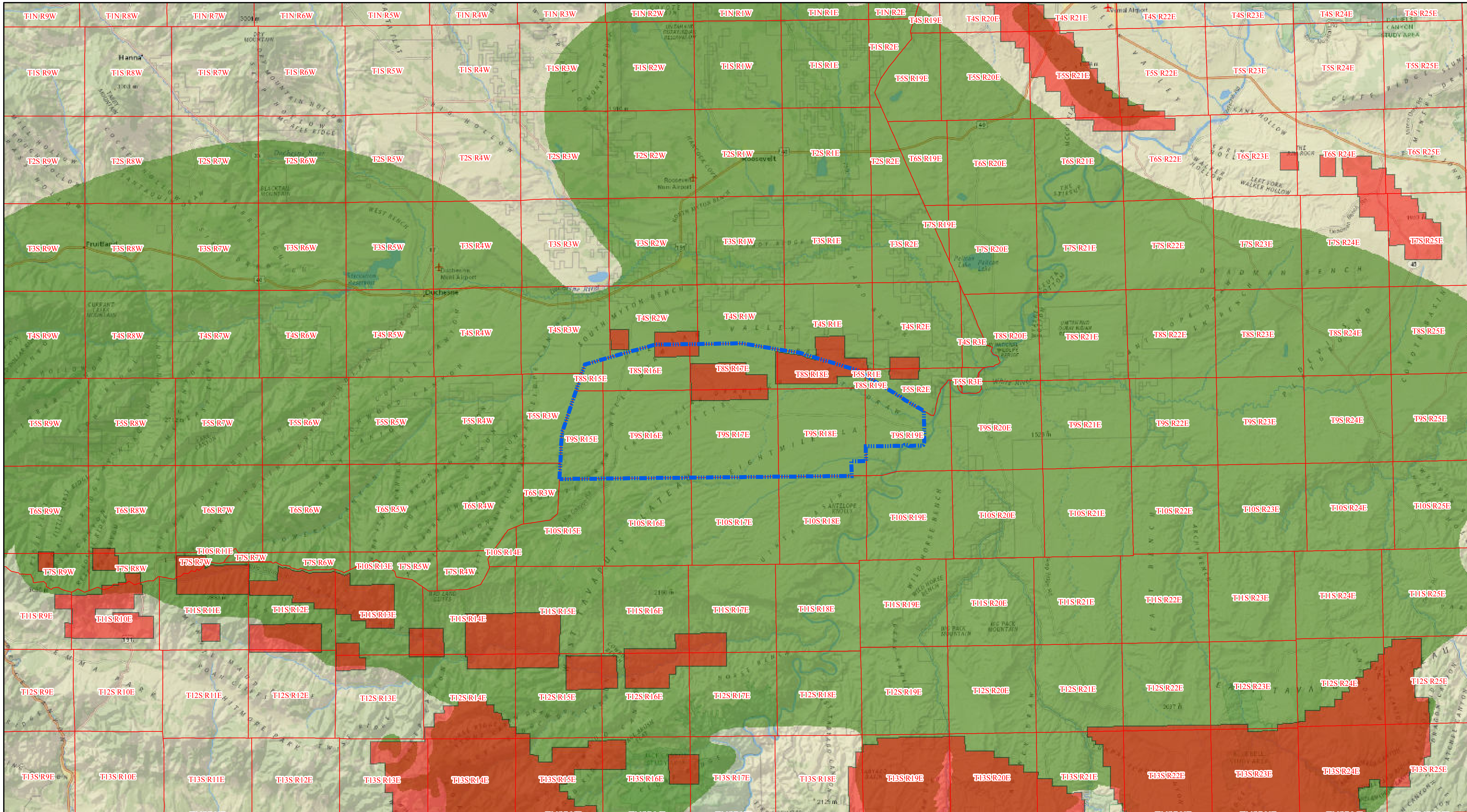
*Exposed thickness; does not include subsurface thickness

**See Correlation of Quaternary Units for symbols

Source: Sprinkel 2007

Figure 3.3.4.1-1. Oil and Gas Fields and Potential Mineral Areas within the Uinta Basin





0 2.5 5 10
Miles

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Legend

- Project Area Boundary
- Special Tar Sands Area (STSAs)
- Known Oil Shale Lease Area (KOSLAs)

Base Map: ESRI Online Map
Tar Sands and Oil Shale Data:
Utah SGID ArcSDE Database (2012)

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FILE NAME:	TarSands_OilShale_v2.mxd

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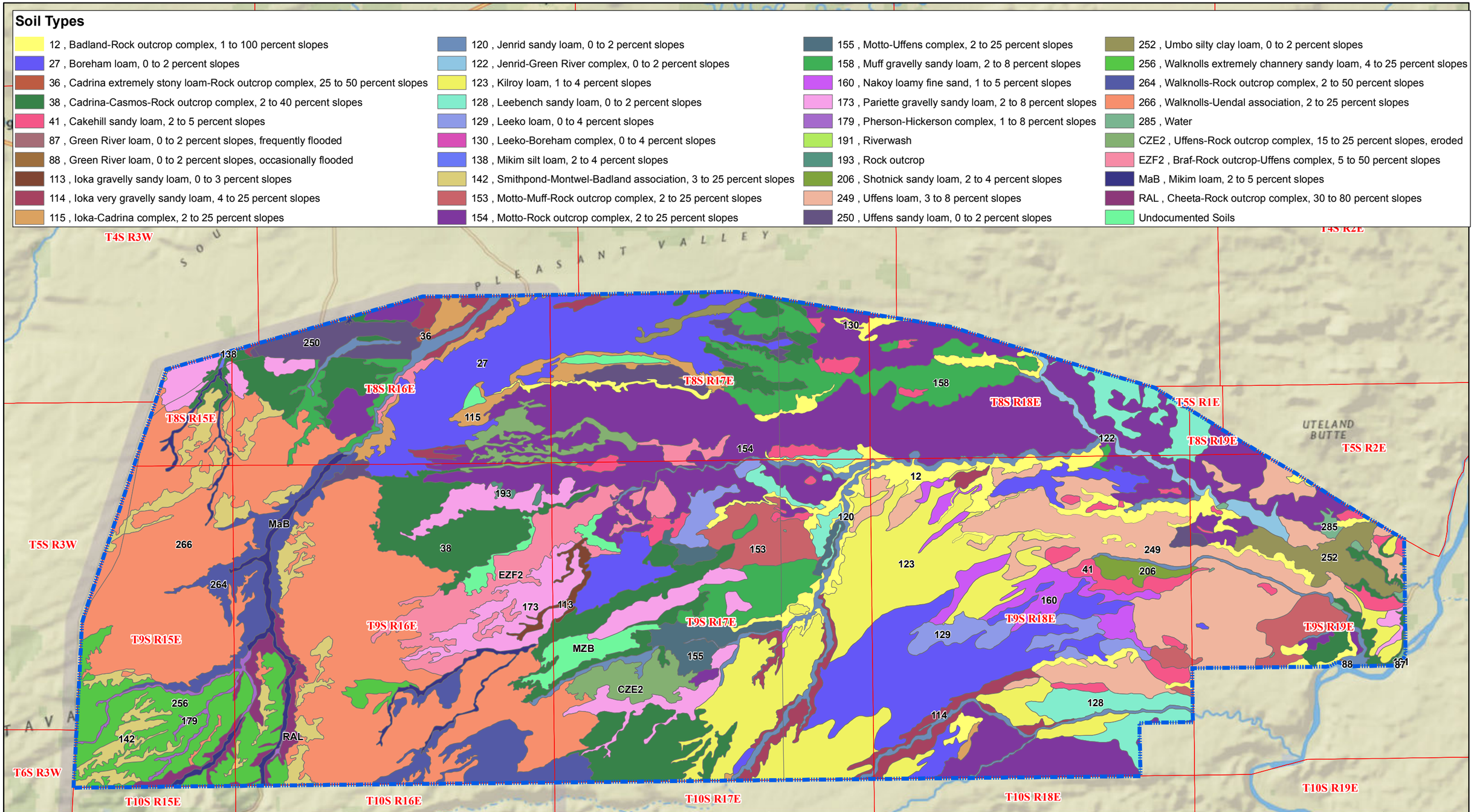
Monument Butte EIS

Special Tar Sands and
Known Oil Shale Areas
In the Vicinity of the MBPA

FIGURE
3.3.4.1-2



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Legend

Project Area Boundary

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Base Map: ESRI Online Map
Soil Data: NRCS 2003 and 2012c

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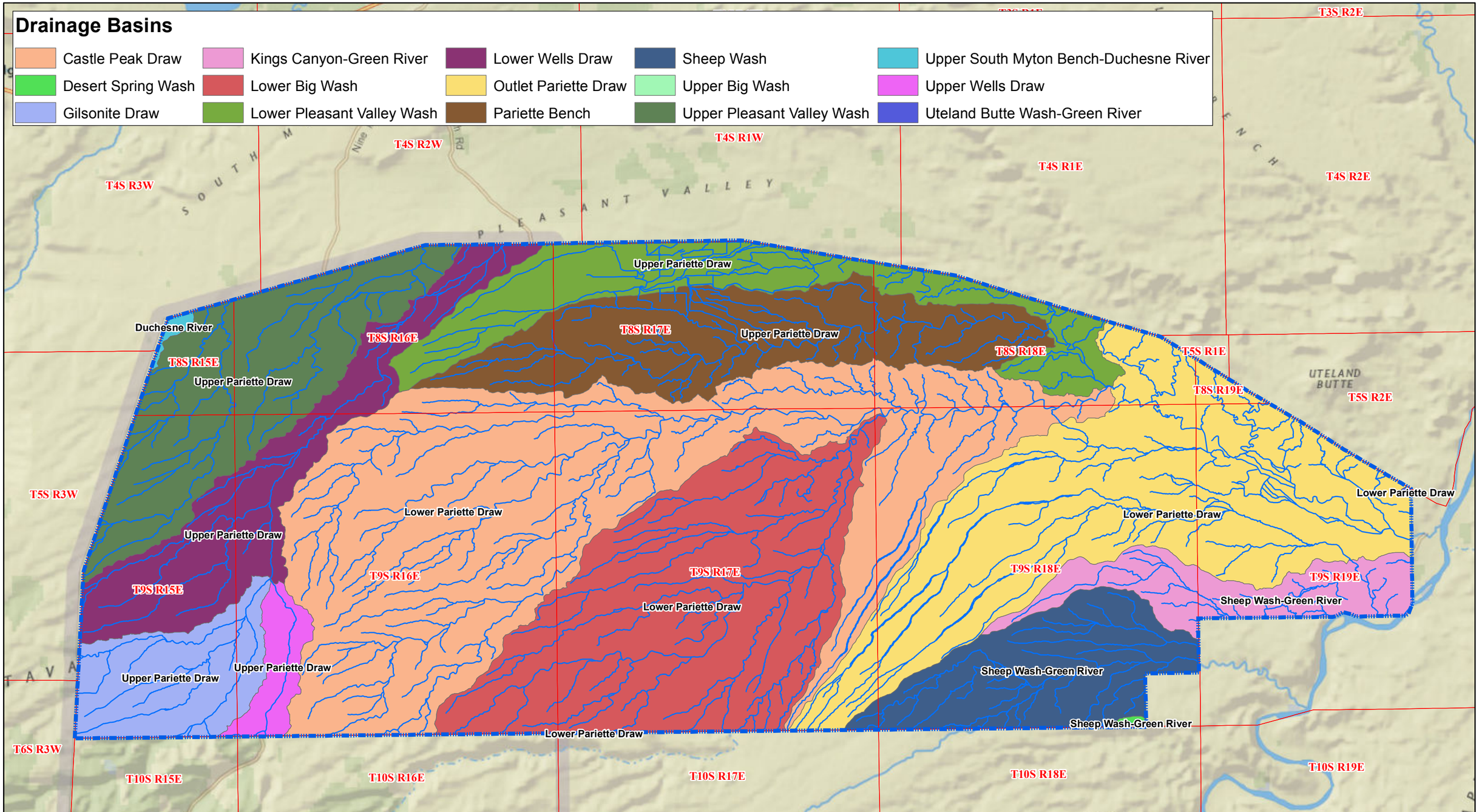
Soil Map Units
Within the MBPA

FIGURE
3.5-1



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Legend

Project Area Boundary

Rivers/Streams

Base Map: ESRI Online Map
Drainage Basin Data: Utah SGID ArcSDE Database (2003)
Stream Data: Utah SGID ArcSDE Database (2011)

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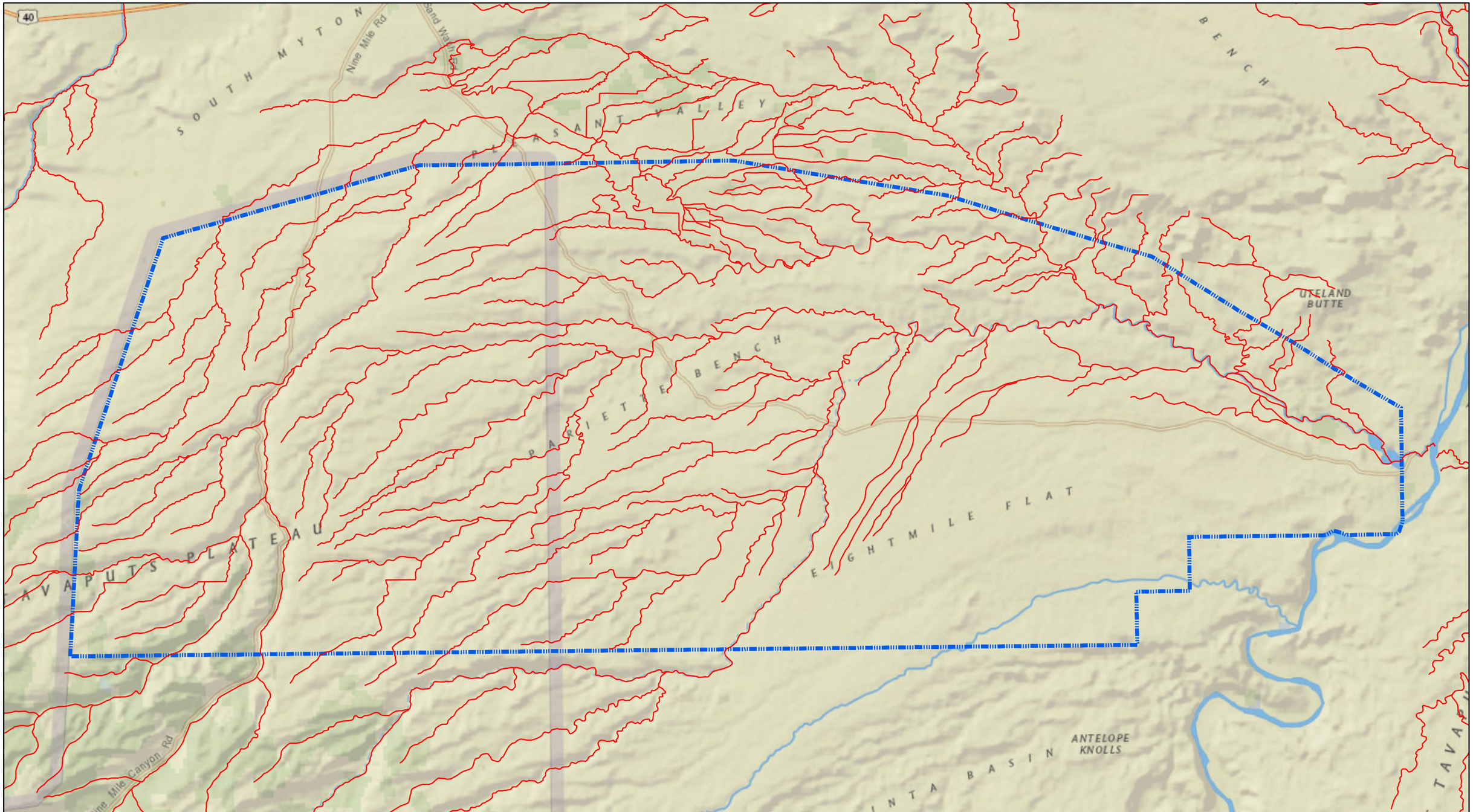
Drainage Basins
Within the MBPA

FIGURE
3.6.2.1-1



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Legend

Impaired Streams

Project Area Boundary

Base Map: ESRI Online Map
Impaired Stream Data: EPA (2002)

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FILE NAME:	ImpairedWaters.mxd

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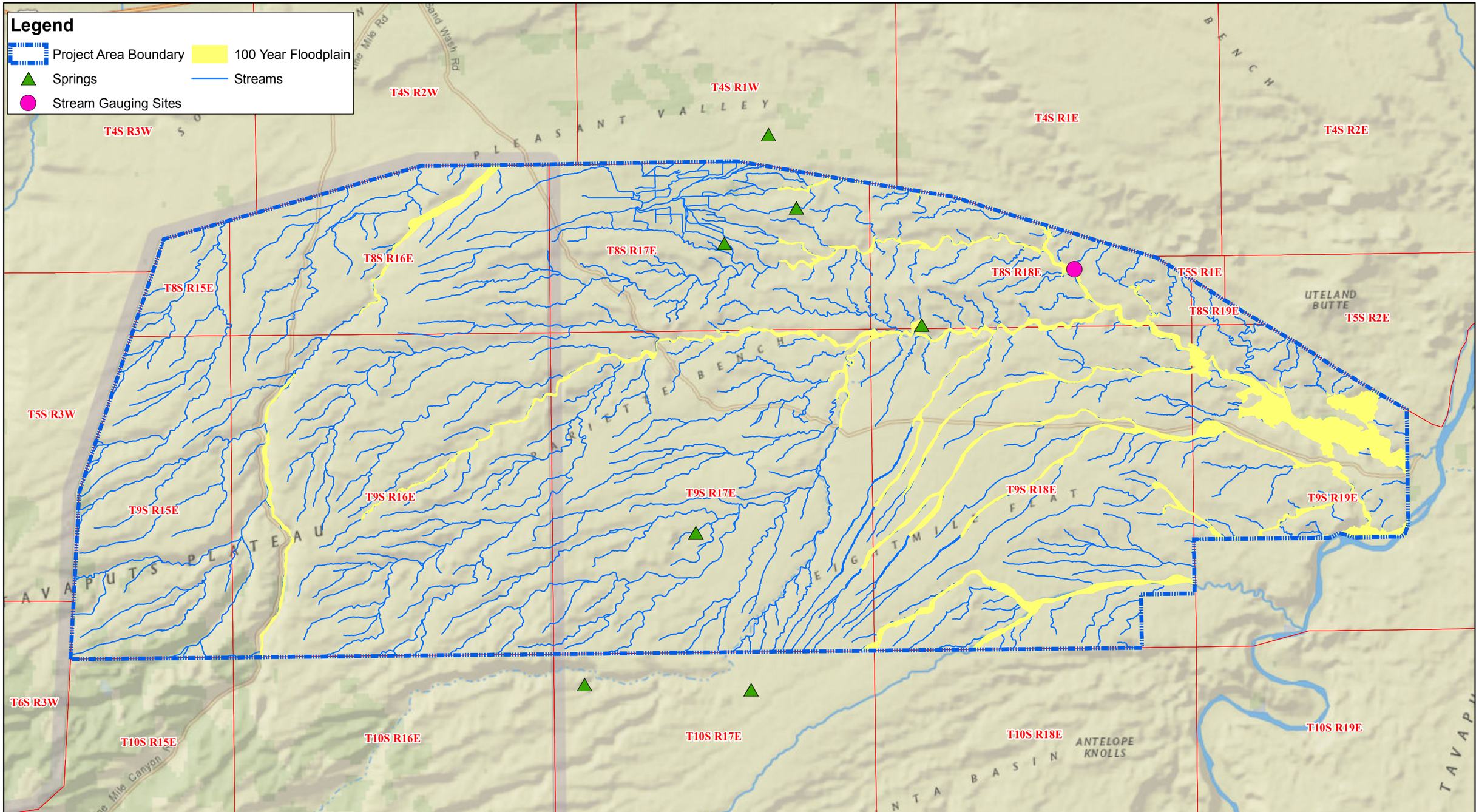
Impaired Streams
In the Vicinity of the MBPA

FIGURE
3.6.2.3-1



0 1.25 2.5 5 Miles

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Base Map: ESRI Online Map
Floodplain Data: Utah SGID ArcSDE Database (1995)
Stream Data: Utah SGID ArcSDE Database (2011)
Stream Guage Data: USGS (2004)
Springs Data: Utah SGID ArcSDE Database (2011)

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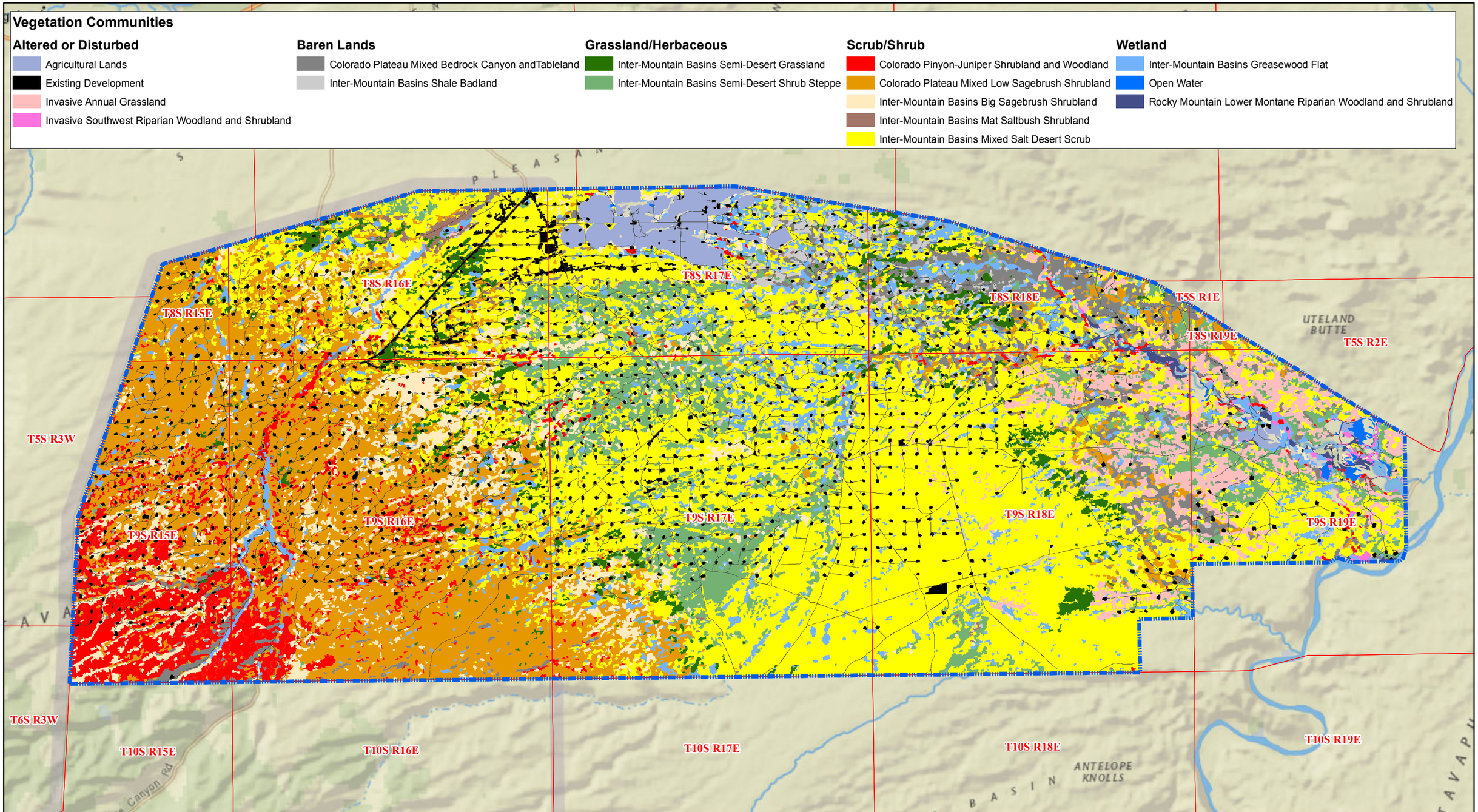
Surface Water and Floodplains
Uintah & Duchesne Counties, Utah

FIGURE
3.6.3.2-1



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Legend

Project Area Boundary

Base Map: ESRI Online Map
Vegetation Data: SWReGAP (2005)

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FILE NAME:	Vegetation.mxd

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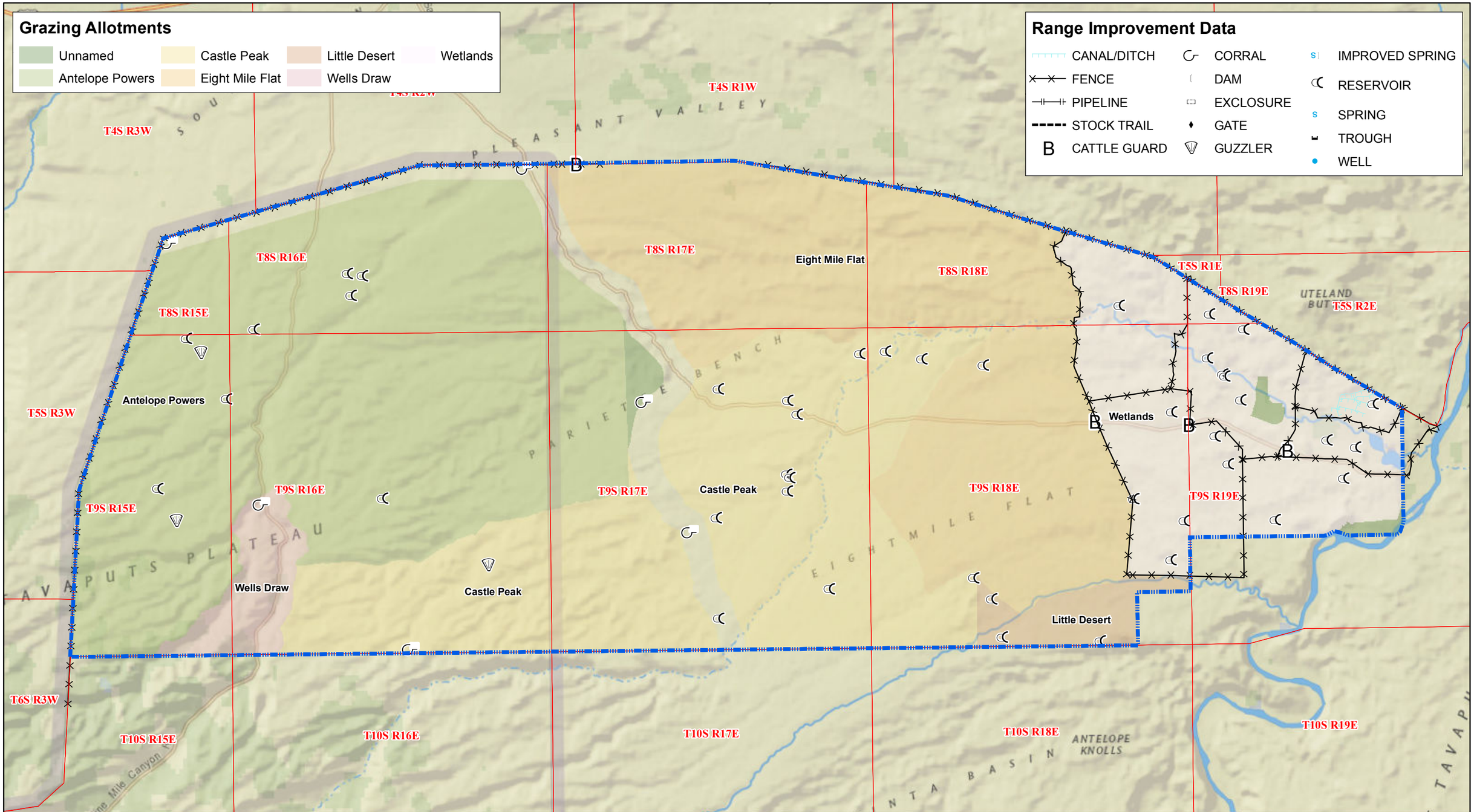
Vegetation Communities
Within the MBPA

FIGURE
3.7.1-1



0 1.25 2.5 5 Miles

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Legend

Project Area Boundary

Base Map: ESRI Online Map
Grazing Allotment Data:
Bureau of Land Management RMP (2011)

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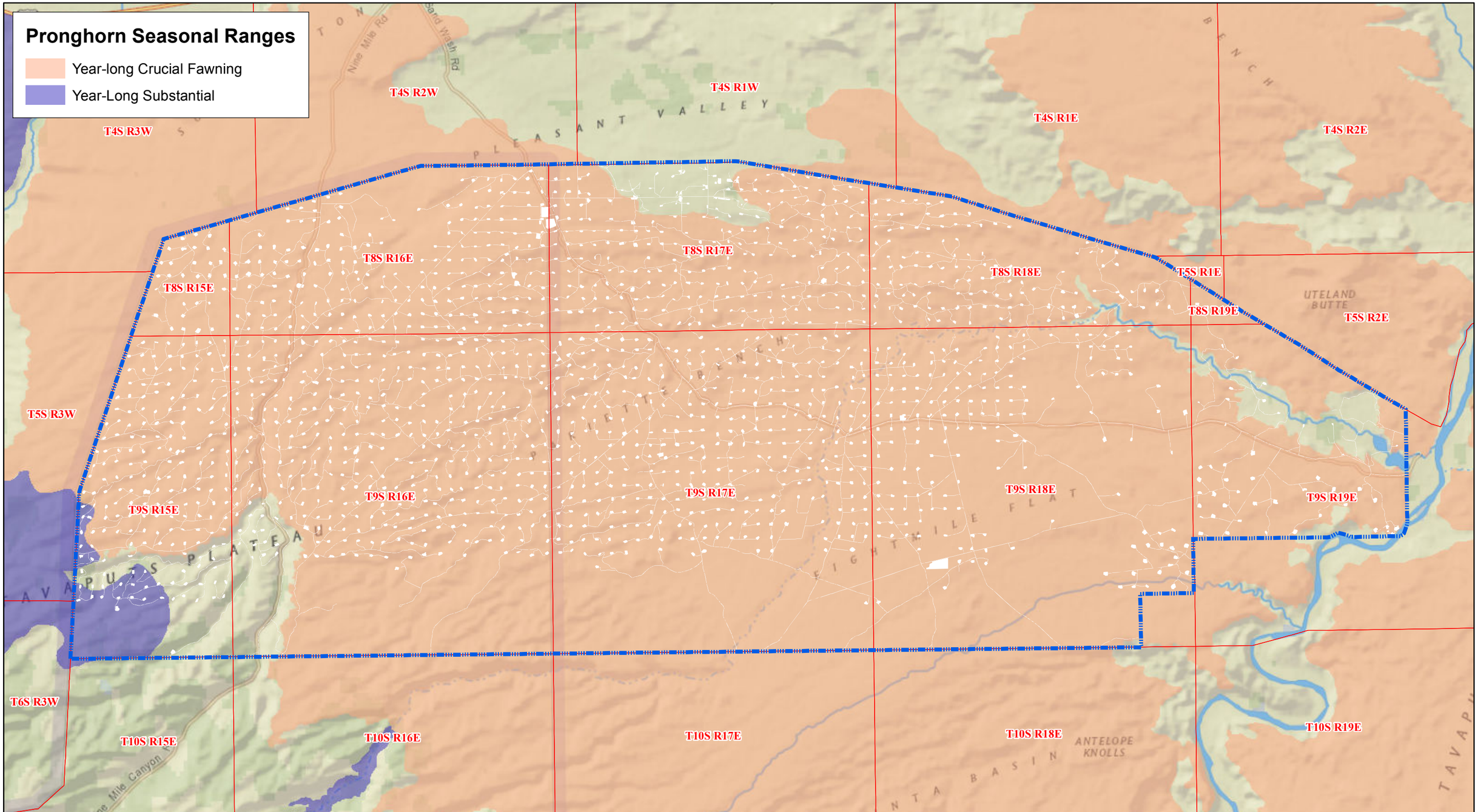
Monument Butte EIS

Grazing Allotments
Within the MBPA

FIGURE
3.8.2-1



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Legend

- Project Area Boundary
- Existing Well Pads and Roads

Base Map: ESRI Online Map
Pronghorn Data: UDWR (2010)

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FILE NAME:	Pronghorn.mxd

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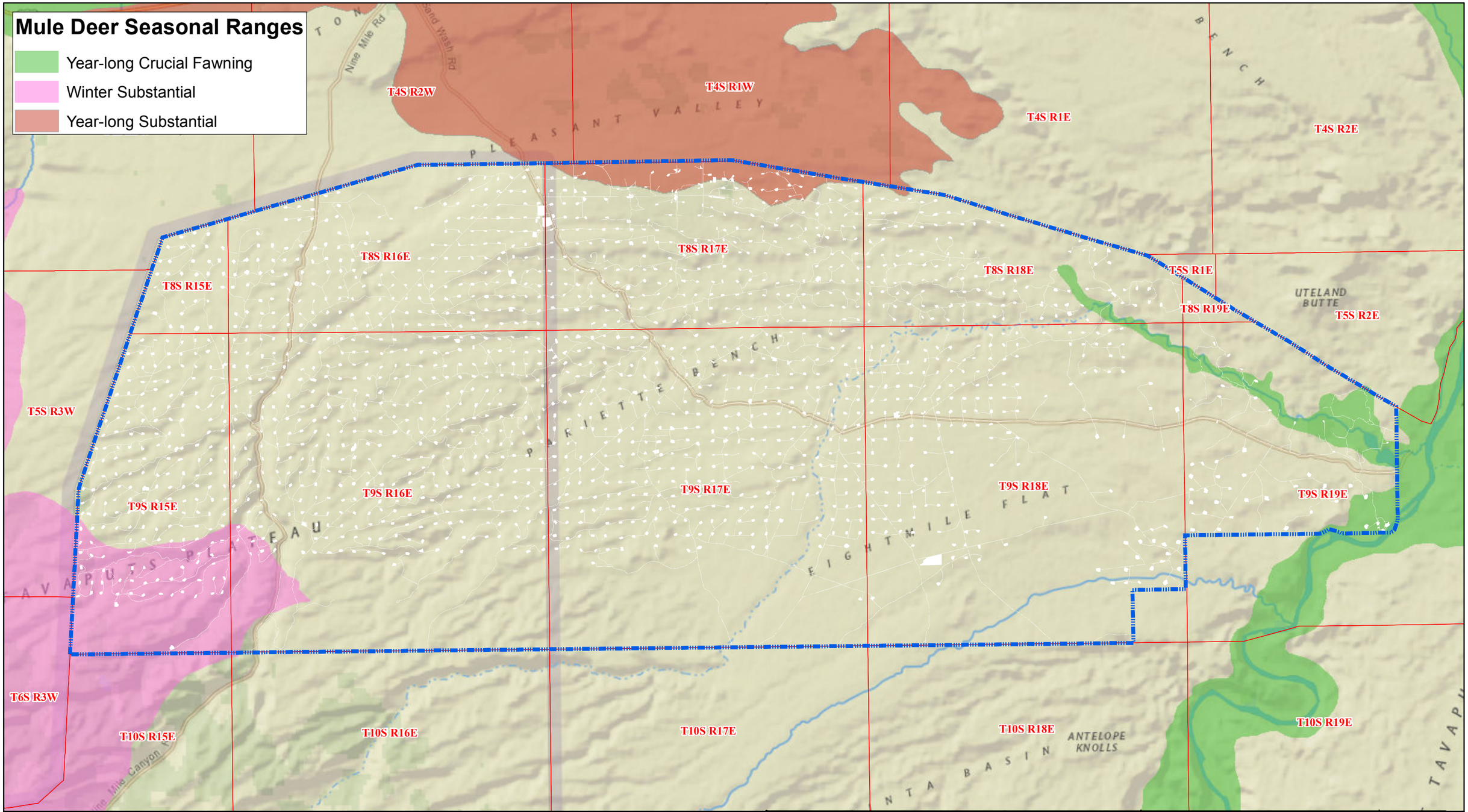
Pronhorn Antelope Seasonal Ranges Within the MBPA

FIGURE
3.9.3.1-1



0 1.25 2.5 5 Miles

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Legend

- Project Area Boundary
- Existing Well Pads and Roads

Base Map: ESRI Online Map
Mule Deer Data: UDWR (2012)

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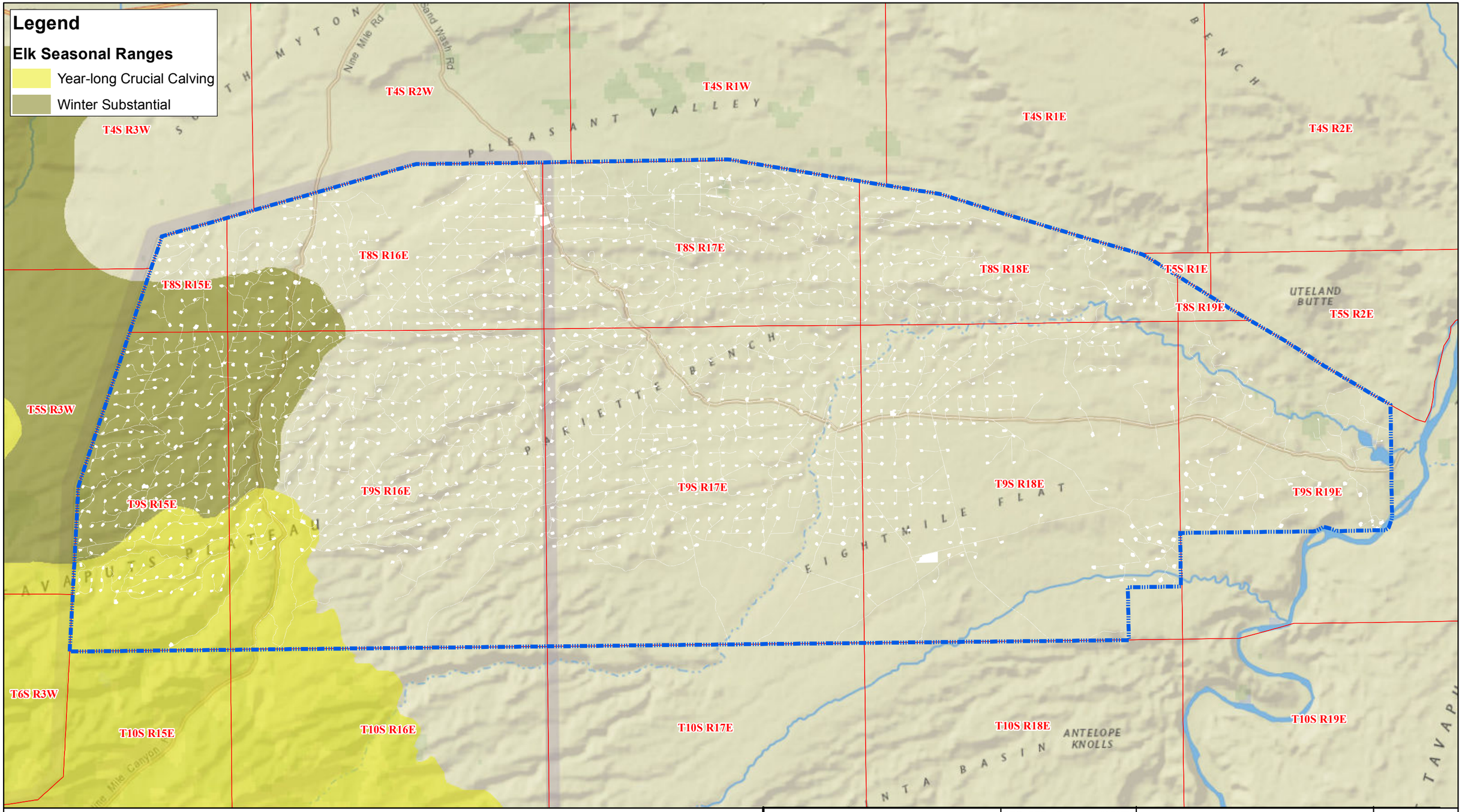
Mule Deer Seasonal Ranges
Within the MBPA

FIGURE
3.9.3.2-1



0 1.25 2.5 5 Miles

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Legend

Project Area Boundary

Existing Well Pads and Roads

Base Map: ESRI Online Map
Elk and Sheep Data: UDWR (2010)

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CHECKED BY:	J.Habiger
FILE NAME:	Elk.mxd

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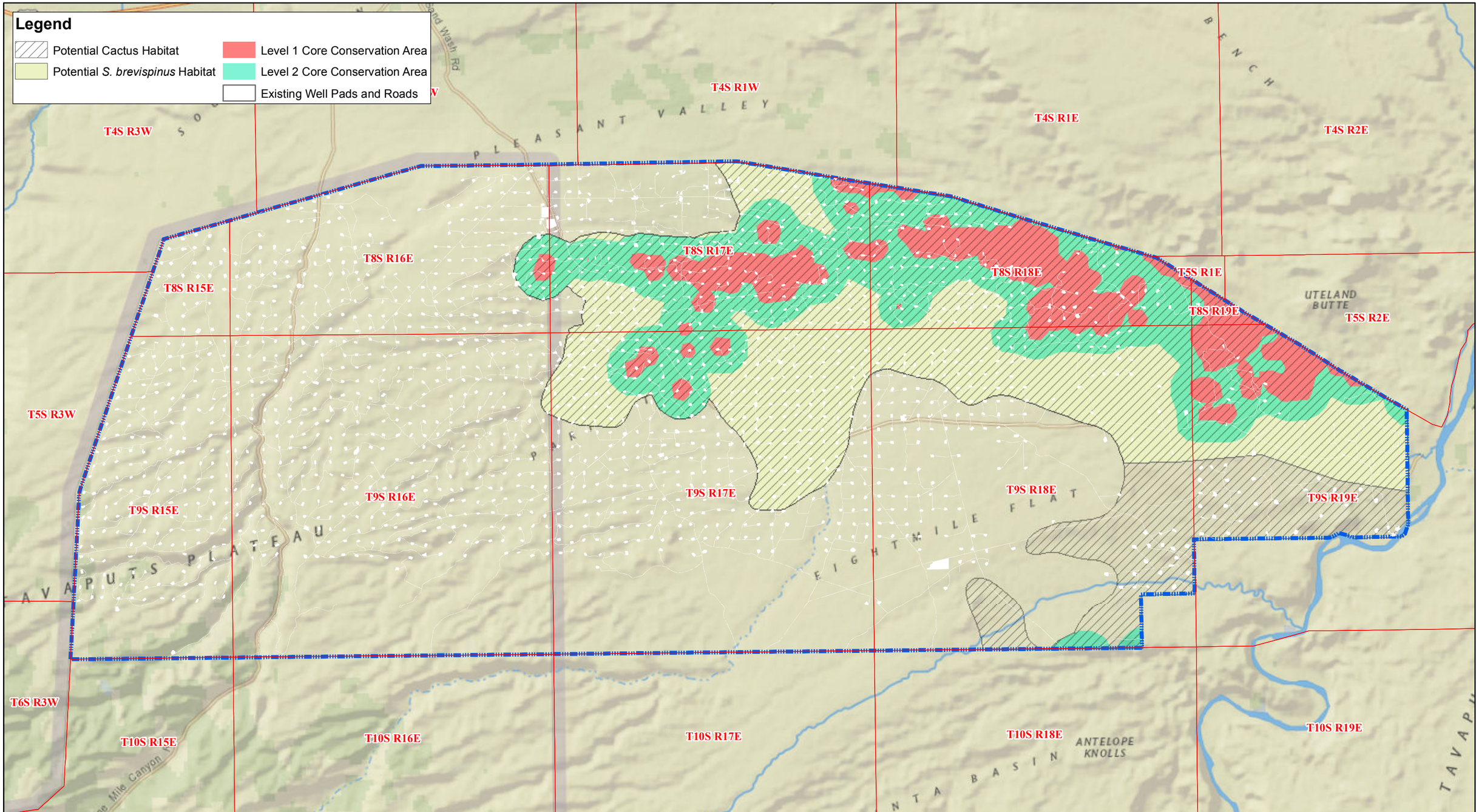
Monument Butte EIS

Elk Seasonal Ranges
Within the MBPA

FIGURE
3.9.3.3-1



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Base Map: ESRI Online Map
Cactus Data: UDWR (2013)

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CHECKED BY:	J.Habiger
FILE NAME:	Cactus_v3.mxd

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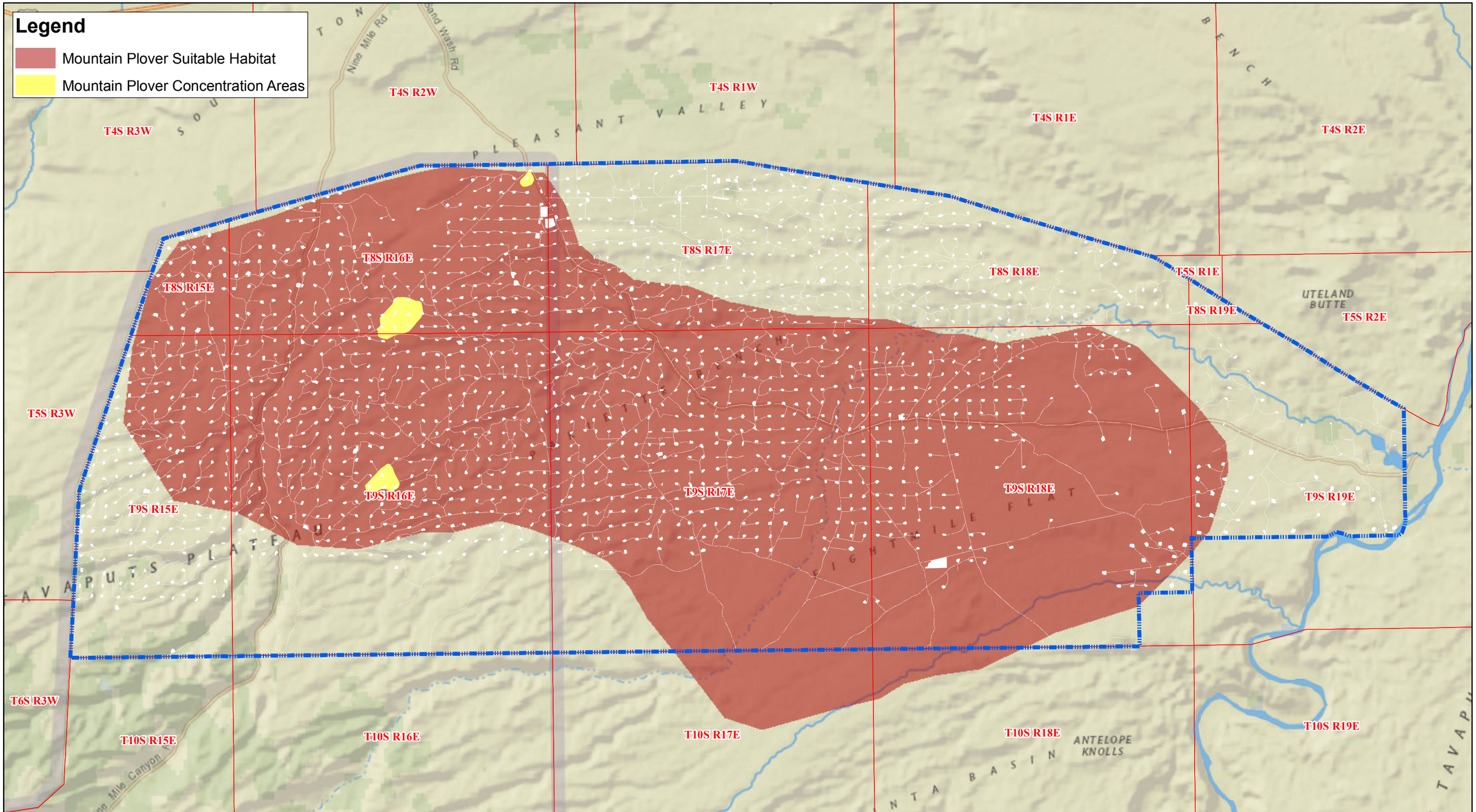
Monument Butte EIS

Potential Cactus Habitat
and Core Conservation Areas
Within the MBPA

FIGURE
3.10.1.2-1



0 1.25 2.5 5 Miles

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Legend

- Project Area Boundary
- Existing Well Pads and Roads

Base Map: ESRI Online Map
Plover Data: UDWR (2010)

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CHECKED BY:	J.Habiger
FILE NAME:	Plover_v3.mxd

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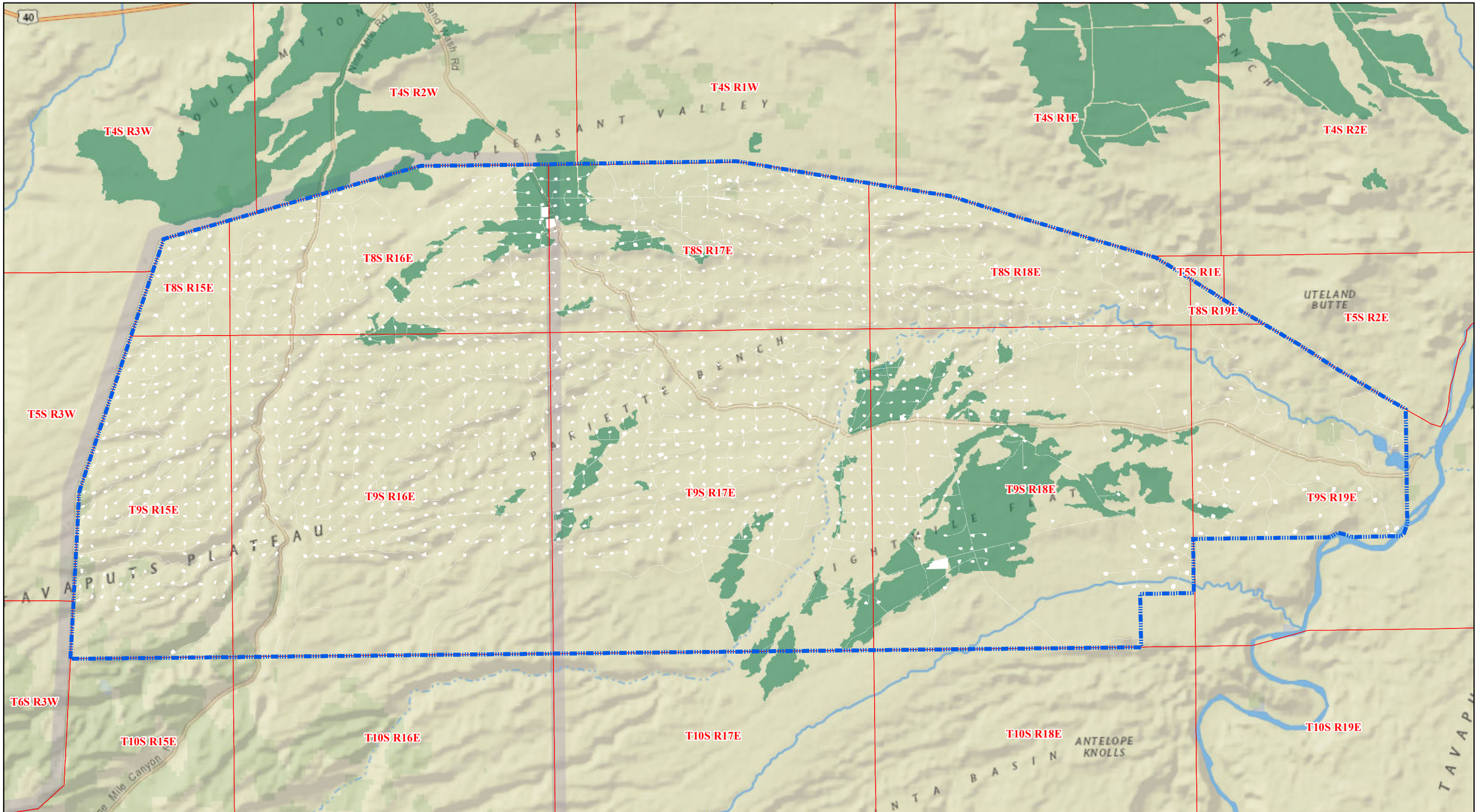
Monument Butte EIS

Mountain Plover Habitat
Within the MBPA

FIGURE
3.10.2.1.12-1



0 1.25 2.5 5 Miles

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Legend

- Project Area Boundary
- Existing Well Pads and Roads
- Prairie Dog Habitat Towns

Base Map: ESRI Online Map
Prarie Dog Data: UDWR (2010)

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DRAWN BY:	A.Leonard
CHECKED BY:	J.Habiger
FILE NAME:	PrarieDog_v2.mxd

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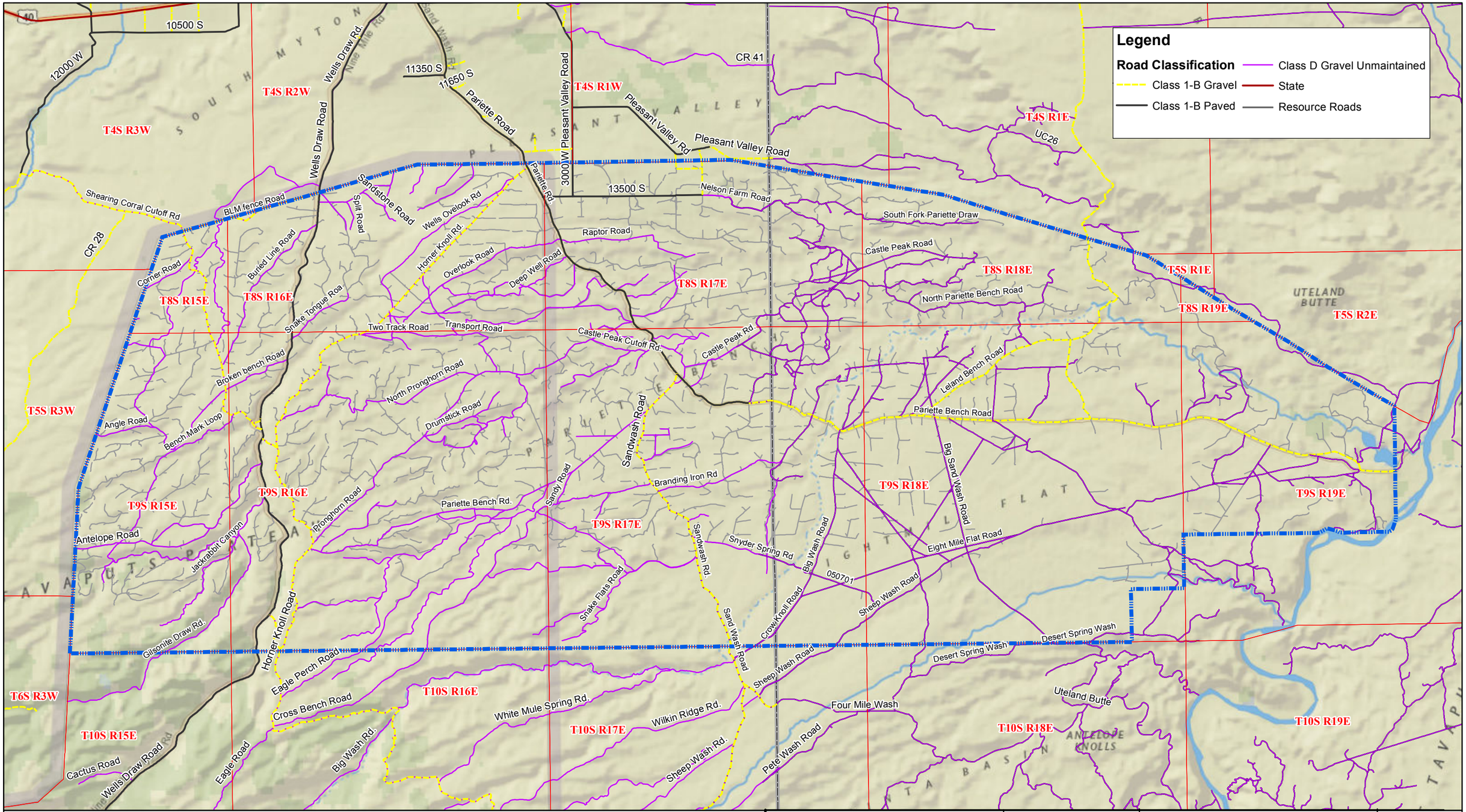
Monument Butte EIS

Prairie Dog Colonies
Within the MBPA and Surrounding Region

FIGURE
3.10.2.1.4-1


Legend
Road Classification
Class 1-B Gravel
Class 1-B Paved
Class D Gravel Unmaintained
State
Resource Roads
T4S R3W
T4S R2W
T4S R1W
T4S R1E
T5S R3W
T5S R2E
T5S R1E
T6S R3W
T8S R15E
T8S R16E
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T10S R18E
T10S R19E
10500 S
11350 S
11650 S
13500 S
12000 W
3000 W
CR 41
UC26
CR 28
Wells Draw Rd.
Wells Draw Road
Pariette Road
Pleasant Valley Road
Pleasant Valley Rd
Nelson Farm Road
South Fork Pariette Draw
Shearing Corral Cutoff Rd
BLM fence Road
Sandstone Road
Split Road
Wells Ovelook Rd
Raptor Road
Homer Knoll Rd.
Overlook Road
Deep Well Road
Castle Peak Road
North Pariette Bench Road
Corner Road
Buried Line Road
Snake tongue Roa
Two Track Road
Transport Road
Castle Peak Cutoff Rd
Castle Peak Rd.
Broken bench Road
North Pronghorn Road
Drumstick Road
Leland Bench Road
Pariette Bench Road
Angle Road
Bench Mark Loop
Sandwash Road
Big Sand Wash Road
Branding Iron Rd
Pariette Bench Rd.
Sandy Road
Pronghorn Road
Antelope Road
Jackrabbit Canyon
Snyder Spring Rd
Big Wash Road
Eight Mile Flat Road
Sandwash Rd.
Snake Flats Road
Sheep Wash Road
Crow Knoll Road
Sand Wash Road
Gilsonite Draw Rd.
Horner Knoll Road
Desert Spring Wash
Eagle Perch Road
Cross Bench Road
Uteland Butte
Four Mile Wash
White Mule Spring Rd.
Wilkin Ridge Rd.
Big Wash Rd.
Sheep Wash Rd.
Pete Wash Road
Cactus Road
Wells Draw Road
Eagle Road
UTELAND BUTTE
ANTELOPE KNOLLS
0 1 2 4 Miles
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Legend
Project Area Boundary
N
W
E
S
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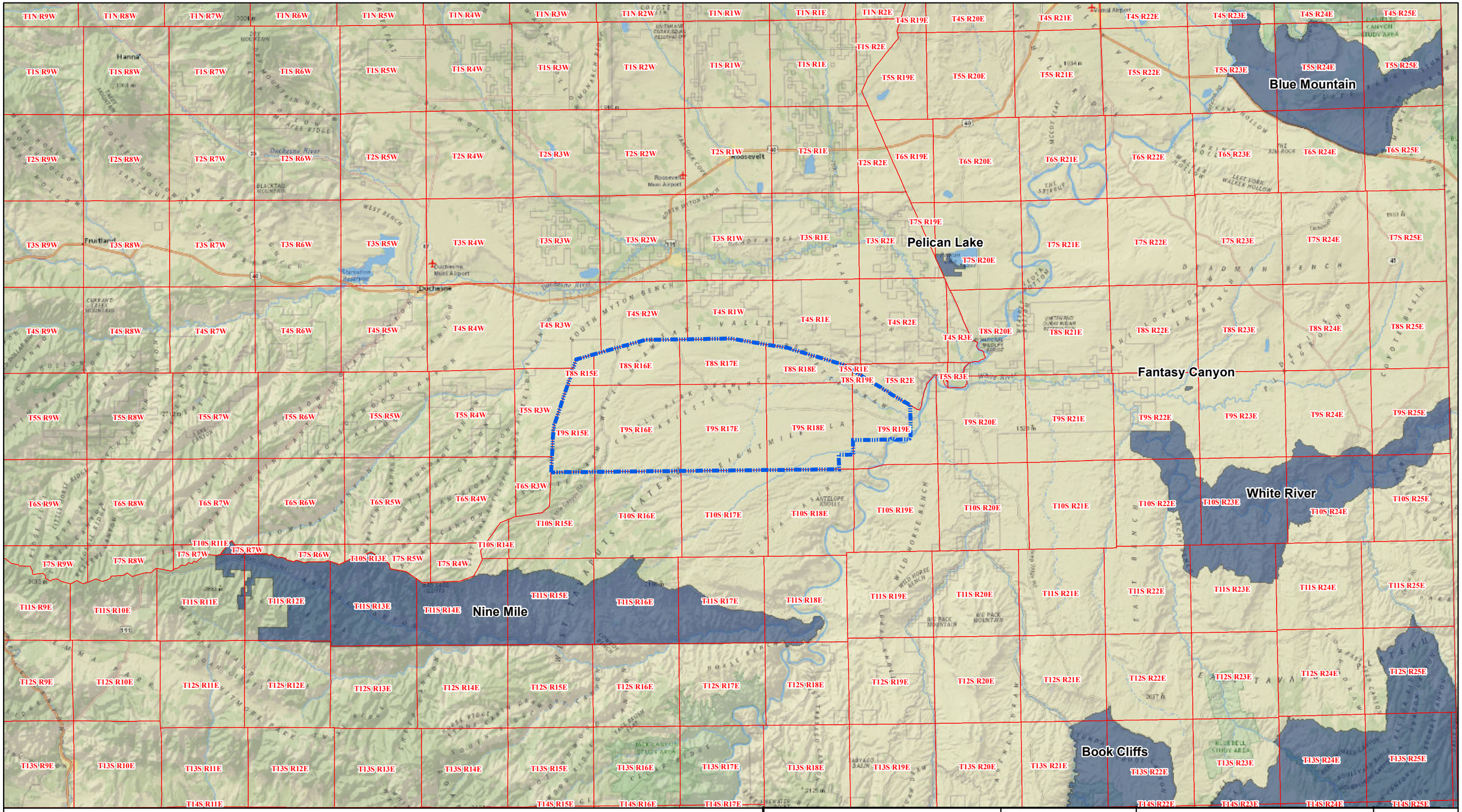
DRAWN: 9/9/2013
DRAWN BY: A.Leonard
CHECKED BY: J.Habiger
FILE NAME: MBPA_RoadwaySystem_3.mxd
Newfield Exploration Company
Monument Butte EIS
MBPA Roadway System
Within the MBPA
FIGURE
3.12.2-1



0 2.5 5 10 Miles

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Legend

- Project Area Boundary
- Special Recreation Management Area (SRMA)

Base Map: ESRI Online Map
SRMA Data: Bureau of Land Management RMP (2010)

N W E S

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CHECKED BY:	J.Habiger
FILE NAME:	SRMA.mxd

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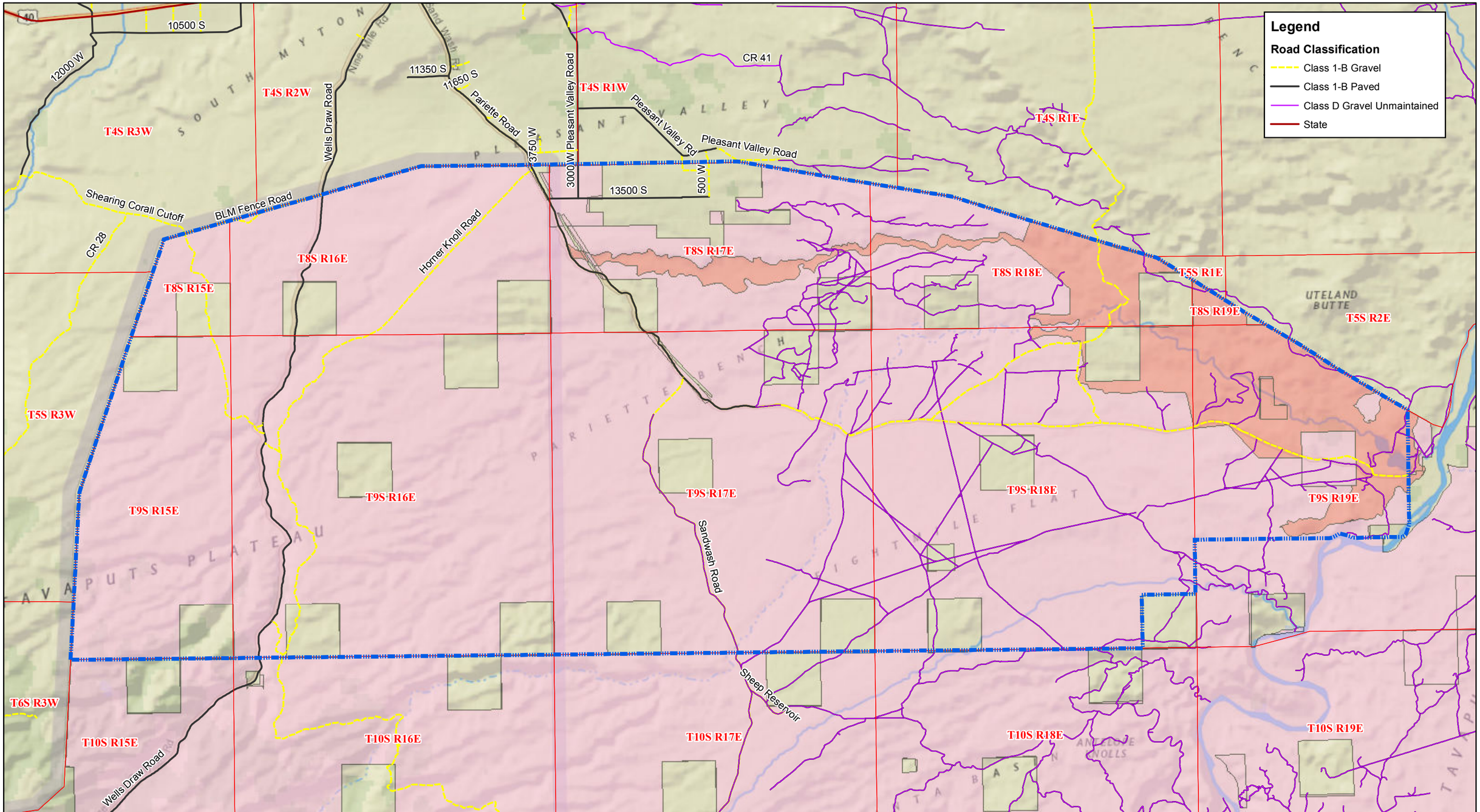
SRMAs in the Vicinity of the MBPA

FIGURE
3.13.1-1



0 1.25 2.5 5 Miles

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Legend

OHV Status

Project Area Boundary

Limited

Closed

Base Map: ESRI Online Map
OHV Data: Bureau of Land Management

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FILE NAME:	OHV.mxd

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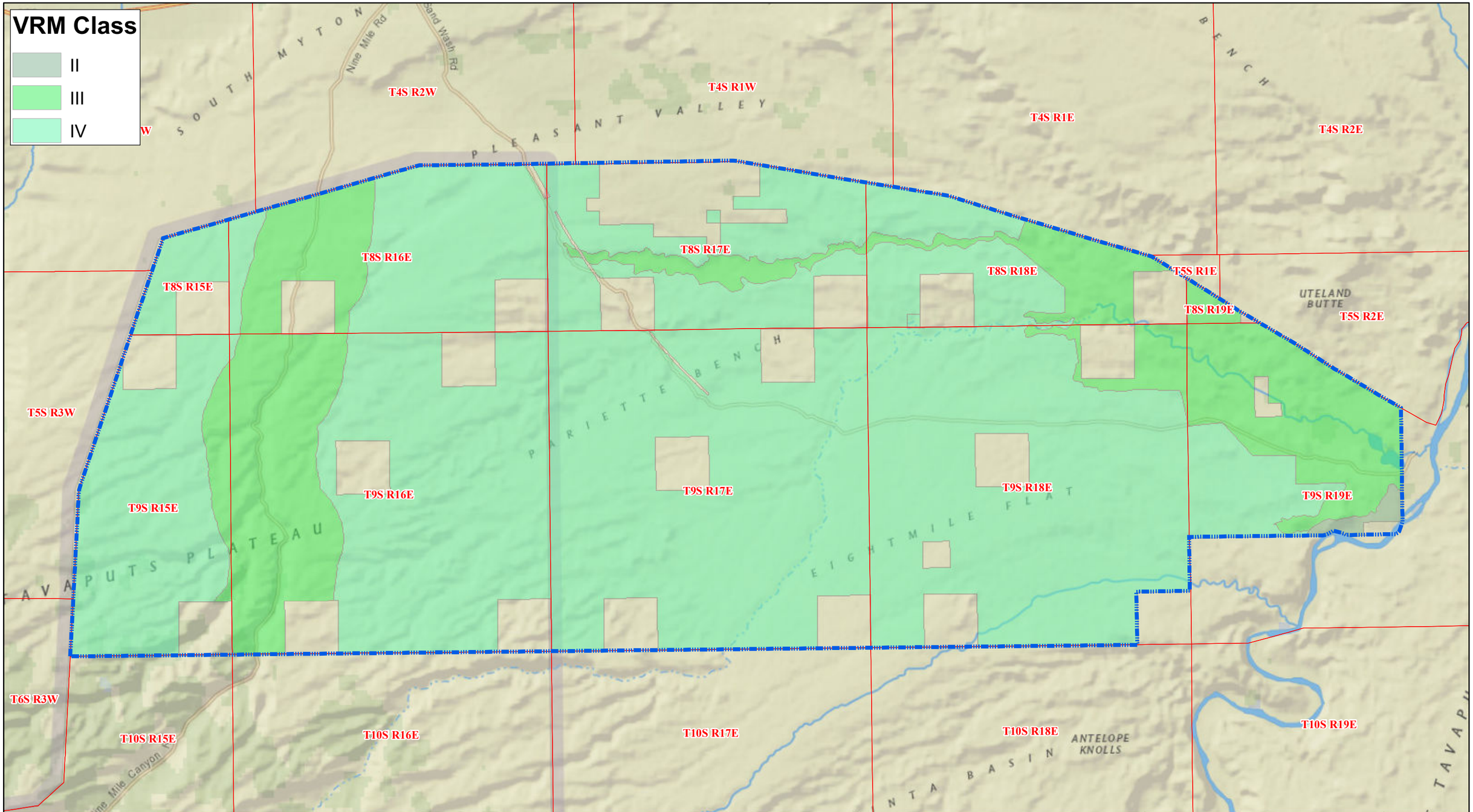
OHV Areas in the Vicinity of the MBPA

FIGURE
3.13.2.2-1



0 1.25 2.5 5 Miles

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Legend

Project Area Boundary

Base Map: ESRI Online Map
VRM Data: Bureau of Land Management RMP (2010)

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CHECKED BY:	J.Habiger
FILE NAME:	VRM.mxd

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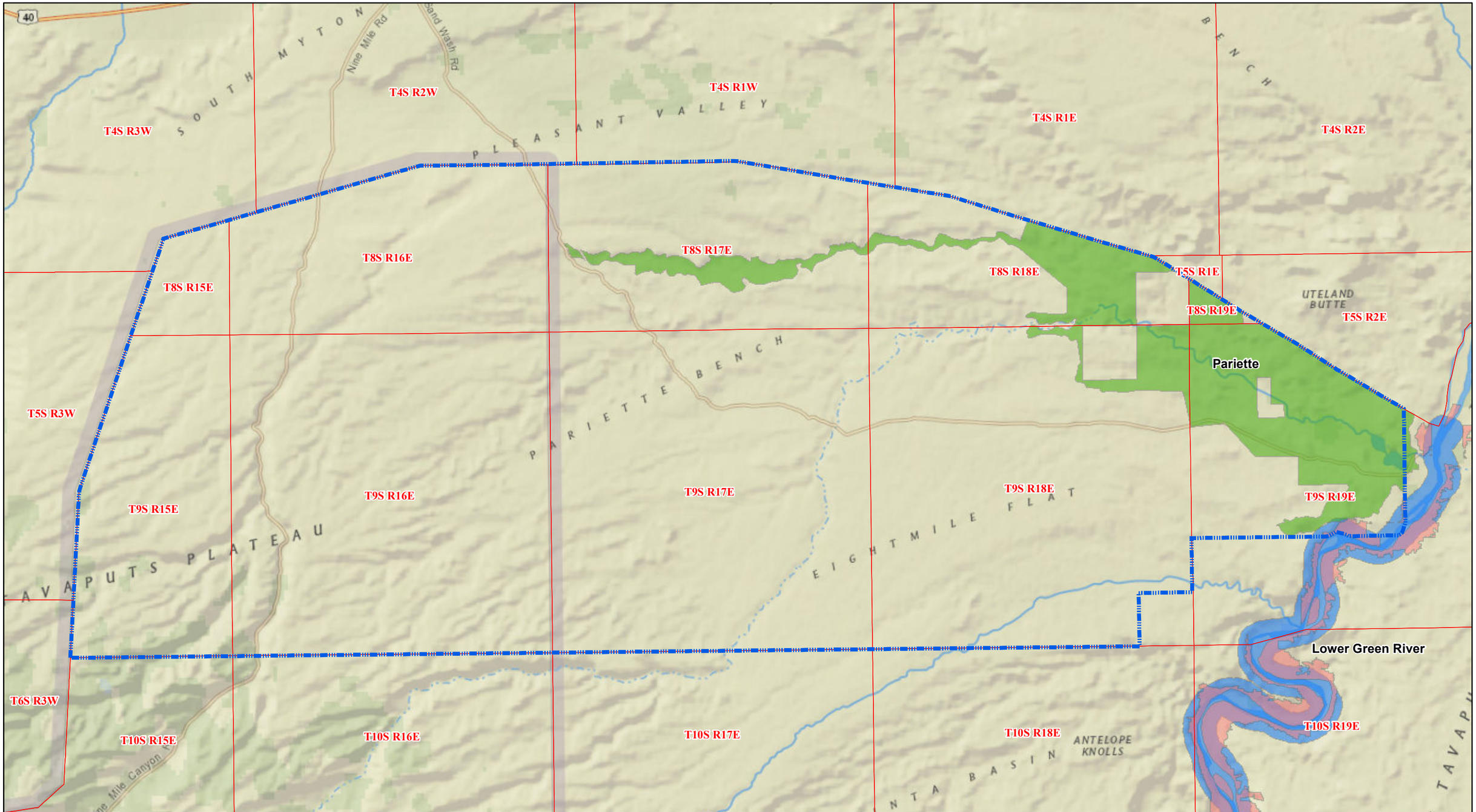
Monument Butte EIS

VRM Classes
Within the MBPA

FIGURE
3.14.3-1



0 1.25 2.5 5 Miles

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Legend

- Project Area Boundary
- Pariette ACEC
- Lower Green River ACEC
- Wild and Scenic Rivers

N W E S

Base Map: ESRI Online Map
ACEC and Wild and Scenic River Data:
Bureau of Land Management RMP (2010)

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FILE NAME:	SpecialDesignations.mxd

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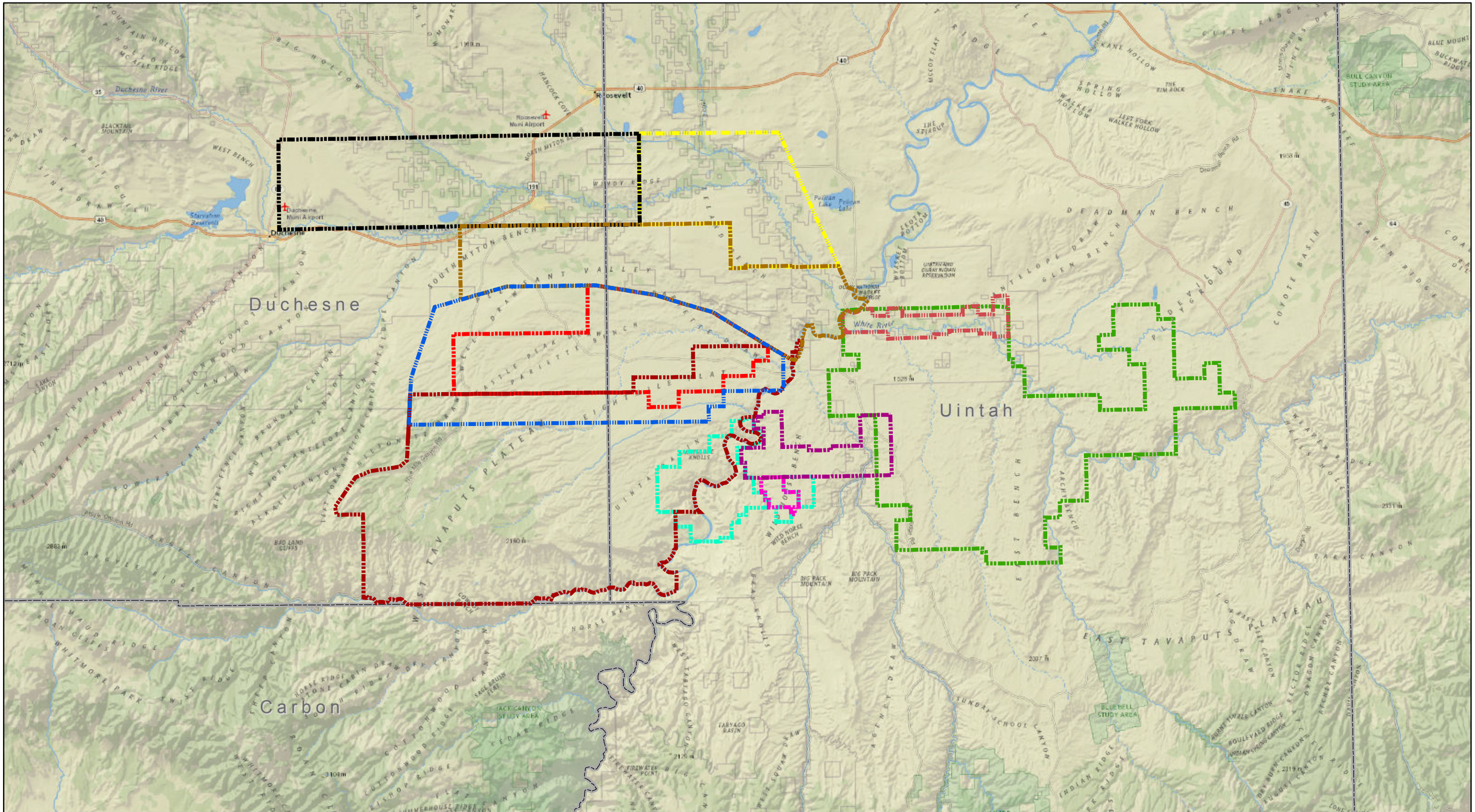
Monument Butte EIS

Special Designations
Within the MBPA

FIGURE
3.15-1



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Legend

- Castle Peak and 8-Mile Flat EIS
- Gasco EIS
- Greater Natural Buttes Gas Development
- Kings Canyon
- North Alger EA
- River Bend Unit infill
- Greater Monument Butte EIS - Pending
- Ouray Field EA
- Newfield EDA #1
- Rocky Point EDA EA
- Randlett EDA

Base Map: ESRI Online Map

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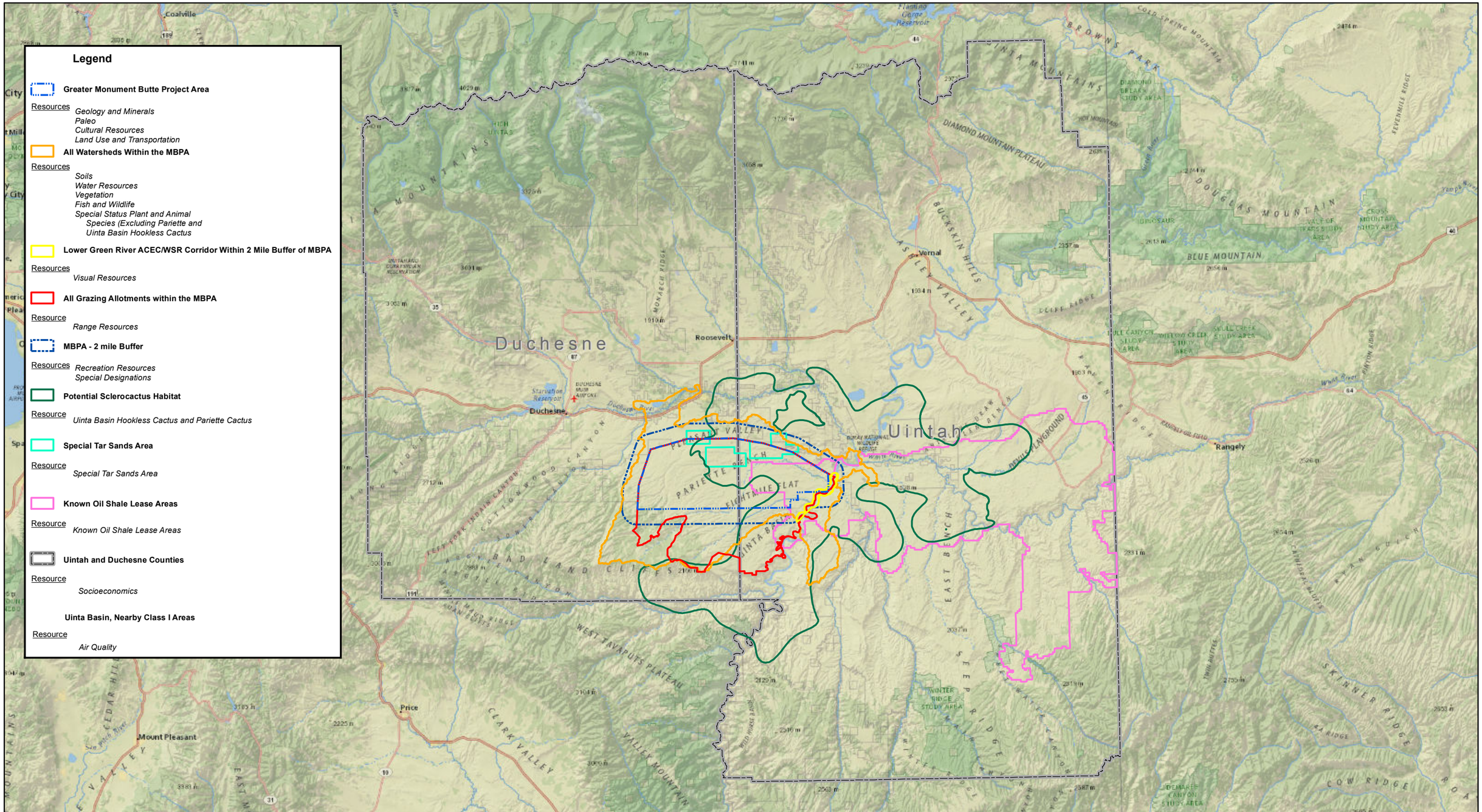
DRAWN BY:	A.Leonard
CHECKED BY:	J.Habiger
FILE NAME:	EIS_ProjectAreas_v5.mxd

Newfield Exploration Company
Monument Butte EIS

Past, Current, and Reasonably Foreseeable Actions within and Near the MBPA

FIGURE
5.1-1



0 5 10 20 Miles

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DRAWN BY:	A.Leonard
CHECKED BY:	J.Habiger
FILE NAME:	CIAA_v2.mxd

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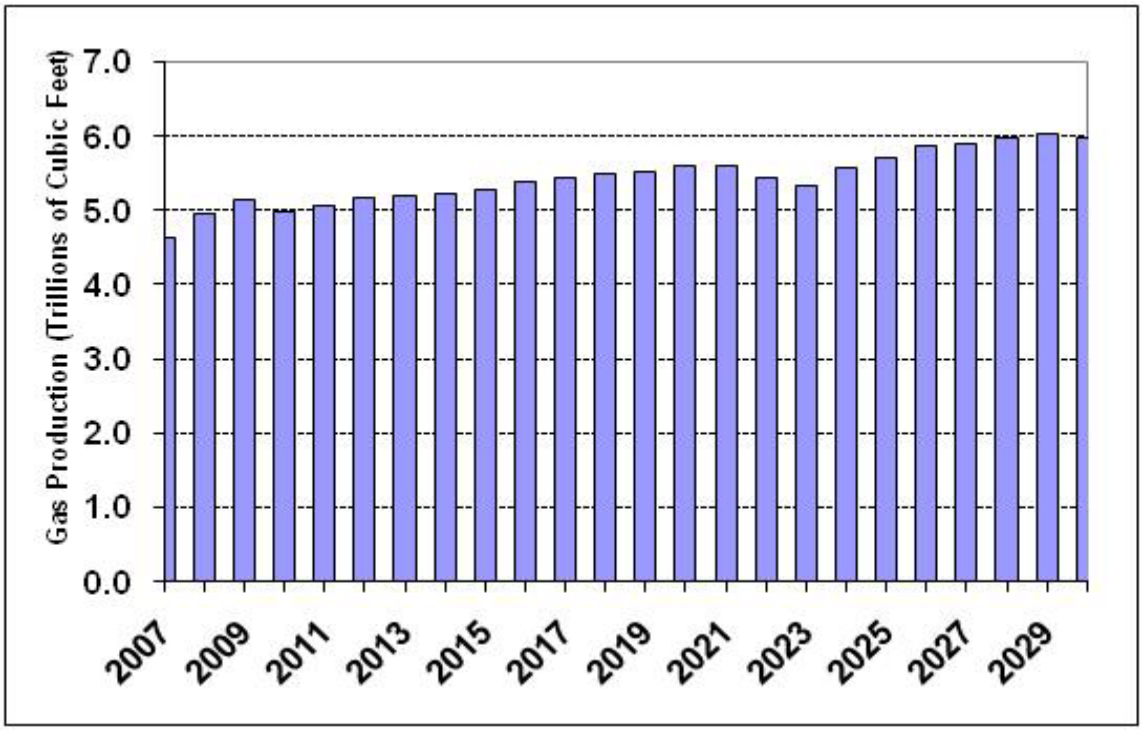
Cumulative Impact Analysis Areas

FIGURE
5.1-2

Figure 5.16.1.1-1. Projected Natural Gas Production in the Mountain Region



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