

## **Appendix I**

### **Visual Simulations**



# Chokecherry and Sierra Madre Wind Energy Project EIS

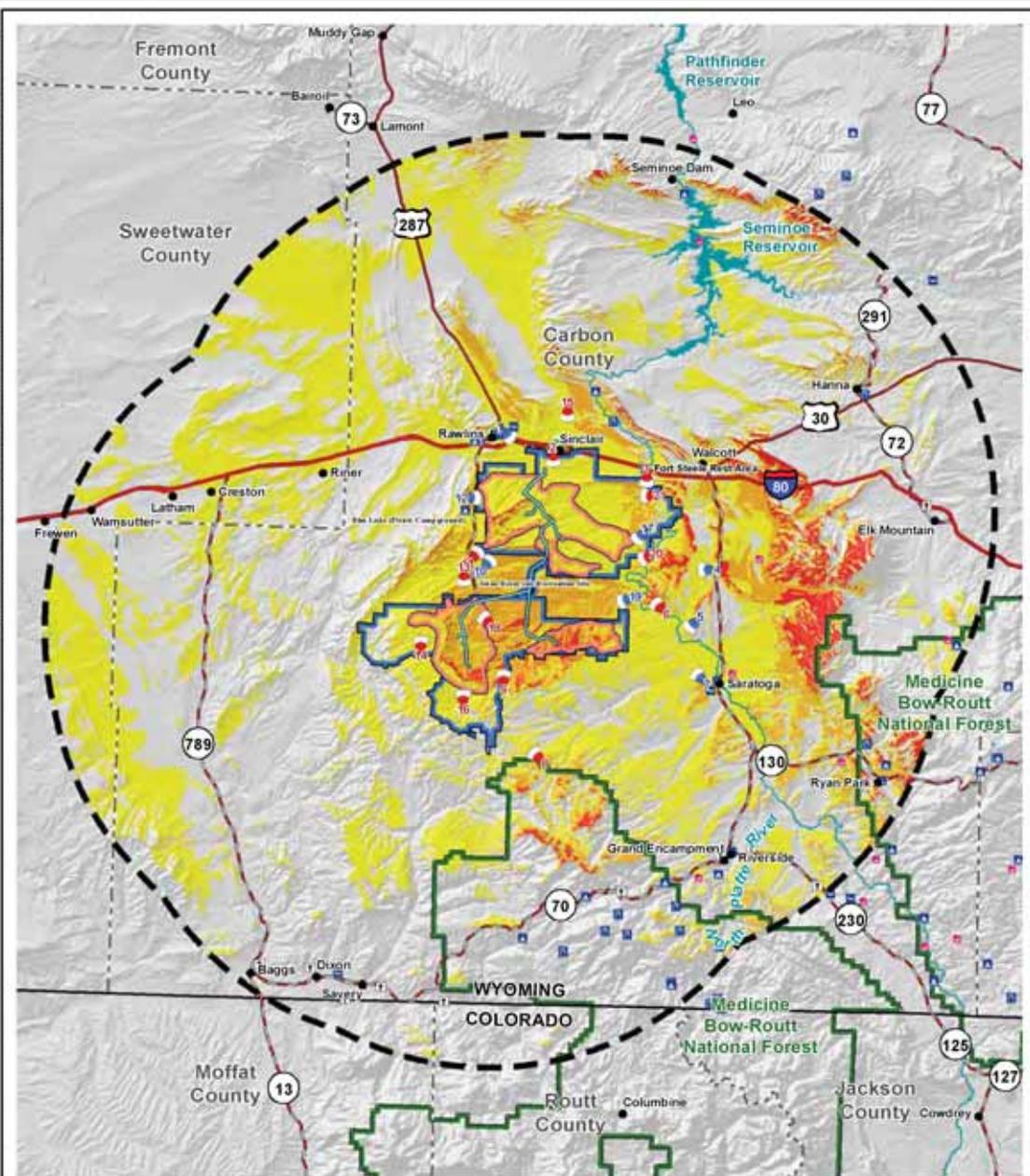
PHOTO SIMULATIONS DOCUMENT

June 2012

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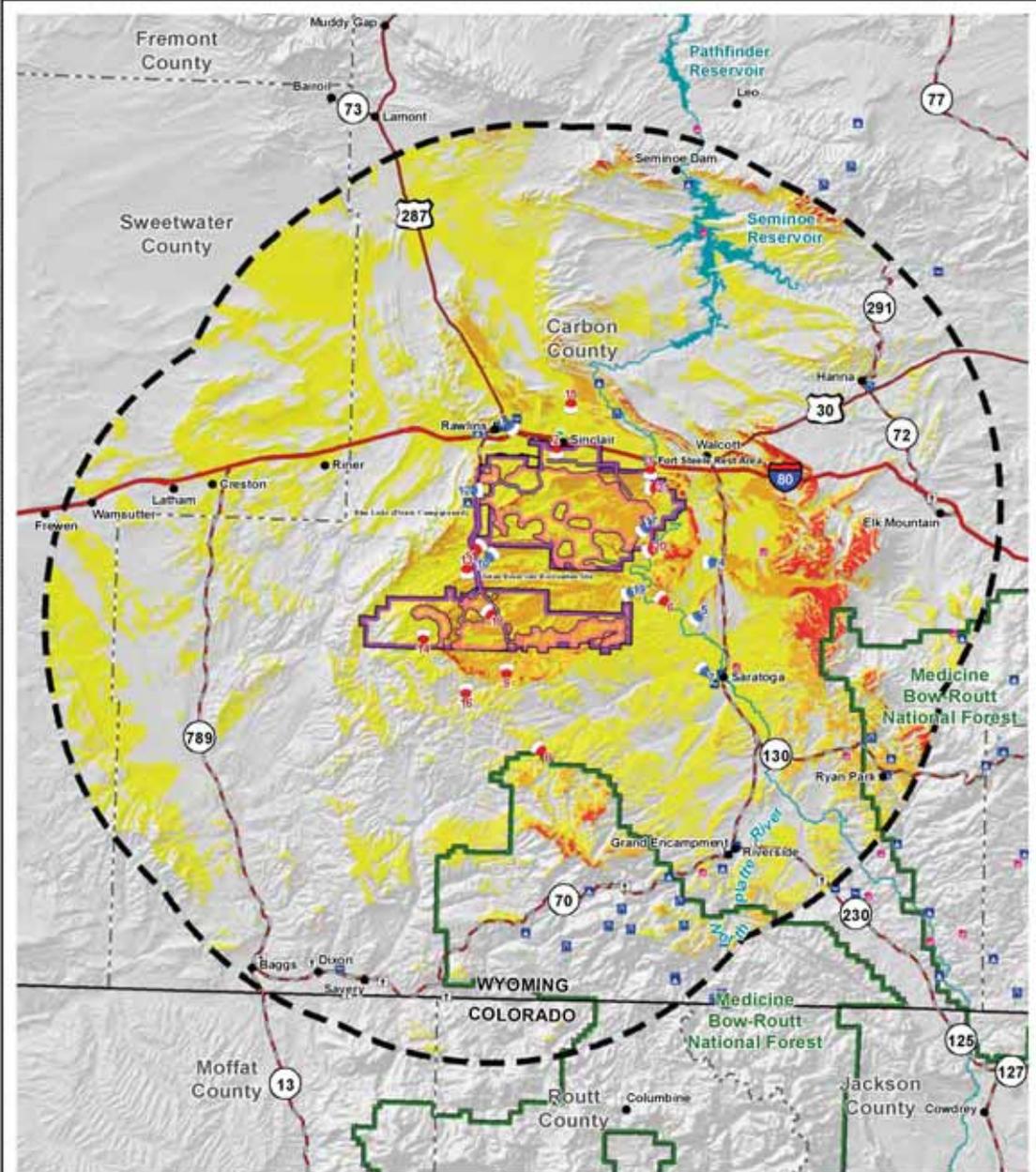


Legend	
Visual Resource Analysis Area	Transmission Line
Turbine Visibility (100 m Turbine)	Project Area
666 - 1000 Turbines	Likely Area of Turbine Construction
333 - 666 Turbines	Airport
1 - 333 Turbines	Cemetery
Key Observation Point	Park or Rest Area
Key Observation Point (IWR Photo Simulation)	Golf Course
	Fishing
	Campground

**Chokecherry and Sierra Madre Wind Energy Project**

**Figure 4.12-1**

**WTG Viewshed Analysis Alternative 1R**

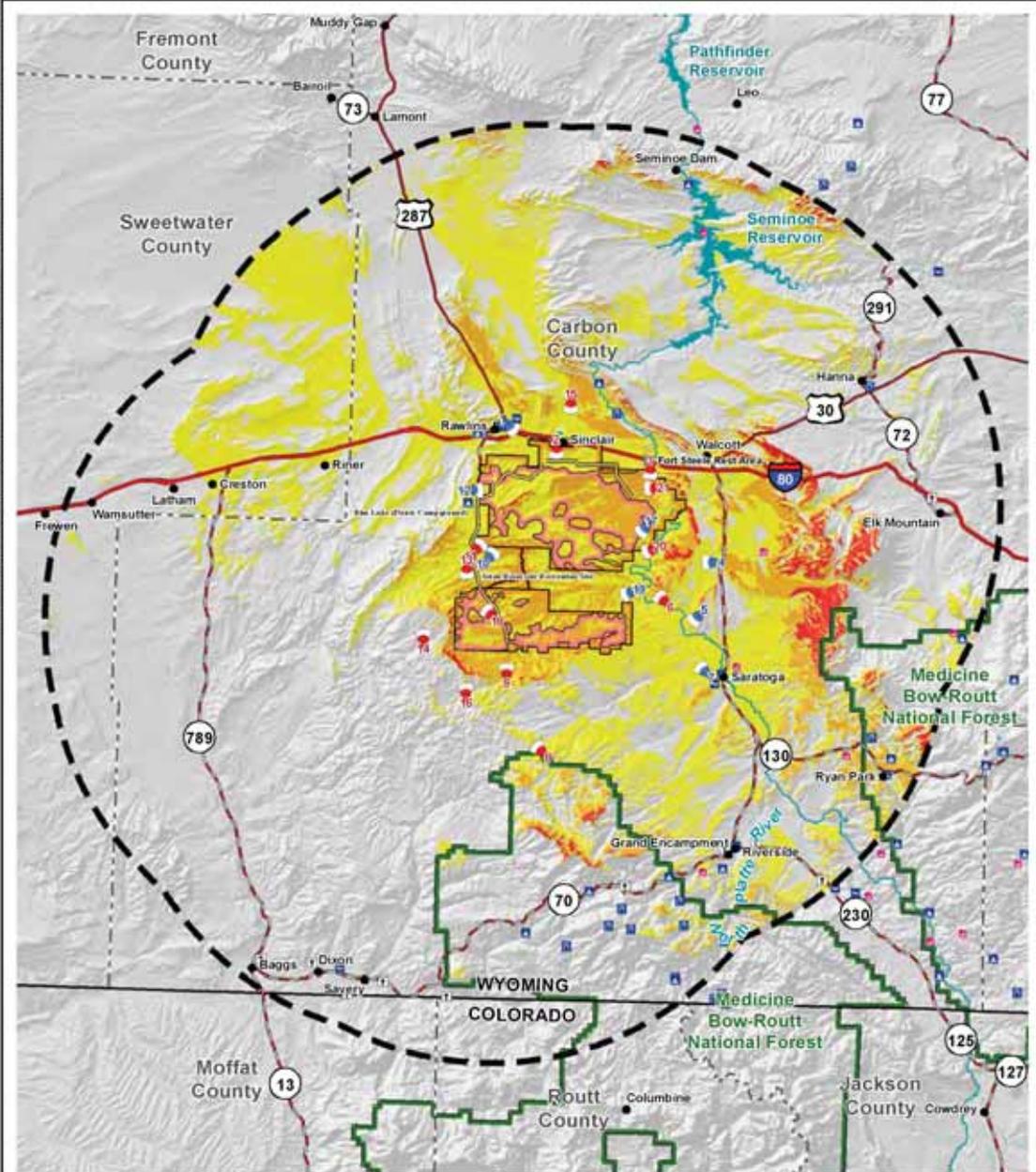


Legend	
Visual Resource Analysis Area	Transmission Line
Turbine Visibility (100 m Turbine)	Project Area
666 - 1000 Turbines	Likely Area of Turbine Construction
333 - 666 Turbines	Airport
1 - 333 Turbines	Cemetery
Key Observation Point	Park or Rest Area
Key Observation Point (IWR Photo Simulation)	Golf Course
	Fishing
	Campground

**Chokecherry and Sierra Madre Wind Energy Project**

**Figure 4.12-4**

**WTG Viewshed Analysis Alternative 2**



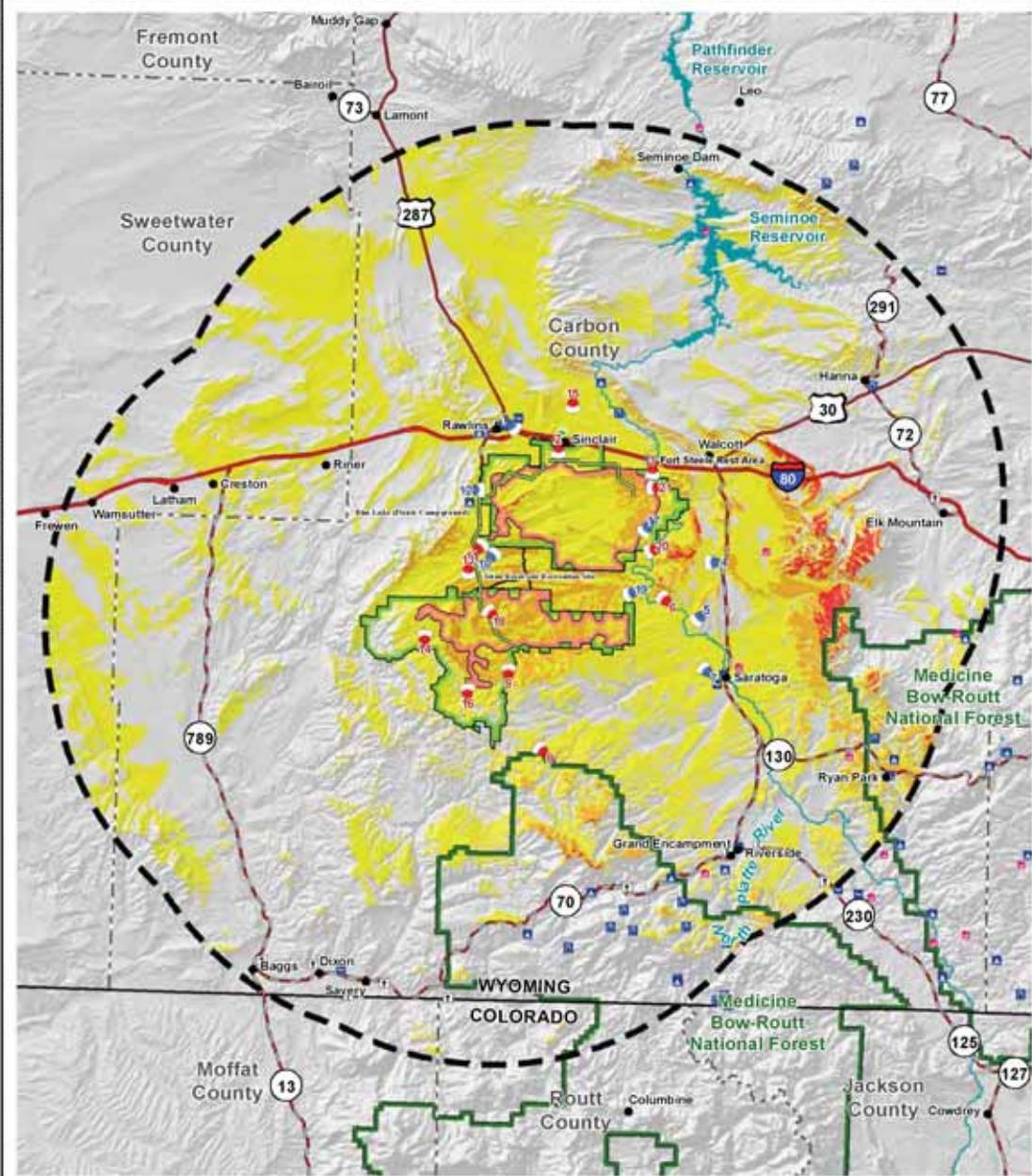
**Legend**

Visual Resource Analysis Area	Transmission Line
666 - 1000 Turbines	Project Area
333 - 666 Turbines	Likely Area of Turbine Construction
1 - 333 Turbines	Airport
Key Observation Point	Cemetery
Key Observation Point (SWA Photo Simulation)	Park or Rest Area
	Golf Course
	Fishing
	Campground

**Chokecherry and Sierra Madre Wind Energy Project**

**Figure 4.12-7**

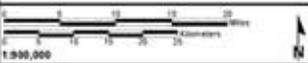
**WTG Viewshed Analysis Alternative 3**



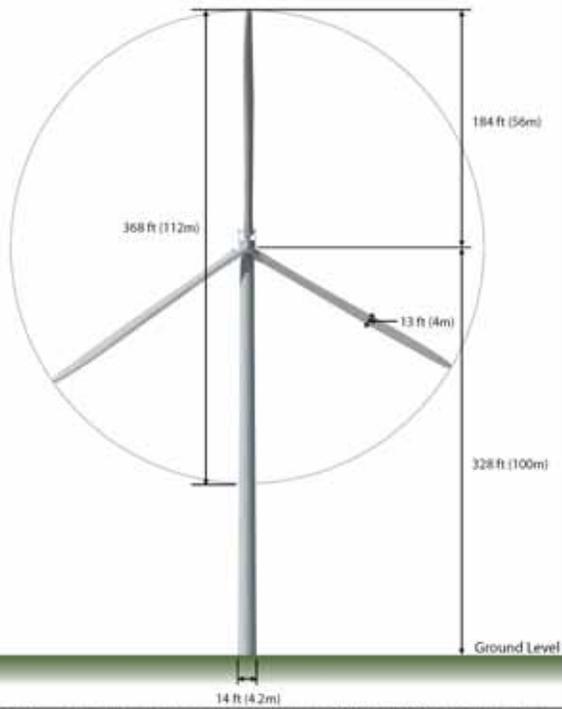
Legend	
Visual Resource Analysis Area	Transmission Line
Turbine Visibility (100 m Turbine)	Project Area
666 - 1000 Turbines	Likely Area of Turbine Construction
333 - 666 Turbines	Airport
1 - 333 Turbines	Cemetery
Key Observation Point	Park or Rest Area
Key Observation Point (IWR Photo Simulation)	Golf Course
	Fishing
	Campground

**Chokecherry and Sierra Madre Wind Energy Project**

**Figure 4.12-10**  
**WTG Viewshed Analysis Alternative 4**



Typical Wind Generator Turbine used in the  
Chokecherry-Sierra Madre Wind Project EIS



Typical WTG used in the photographic simulations: 328 ft (100m) height to hub, 184 ft (56m) rotor at 5% grey color (RAL 7035). Actual WTGs constructed for the project may have different dimensions. A specific turbine make and model has not been selected by PCW.



Existing Conditions at Happy Jack Wind Farm with 2.1 MW WTGs in Cheyenne, Wyoming. Closest WTG is 8 miles away. Source: AECOM



Existing Conditions at Happy Jack Wind Farm with 2.1 MW WTGs in Cheyenne, Wyoming. Closest WTG is 2,000 feet away. Source: AECOM

Existing Conditions



The KOP is at the Rawlins Recreation Center within the city of Rawlins. The view was taken on July 9, 2008 at 10:03am looking towards the southeast, and shows ridgetops and north-facing slopes of the Chokecherry area about 5 miles from the KOP.

# KOP 1: Rawlins Recreation Center

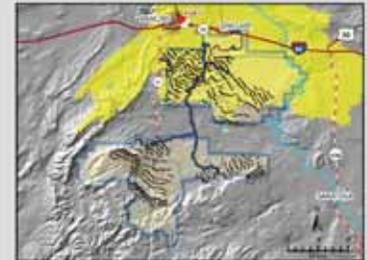


Photo Location Map

Alternative 1R



Transmission Line  
Proposed Substation Location

Items Not Simulated Due to Distance:

- Substation
- Access Roads
- Intermodal Facilities

Existing Conditions



The KOP is at the Rawlins Recreation Center within the city of Rawlins. The view was taken on July 9, 2008 at 10:03am looking towards the southeast, and shows ridgetops and north-facing slopes of the Chokecherry area about 5 miles from the KOP.

# KOP 1: Rawlins Recreation Center

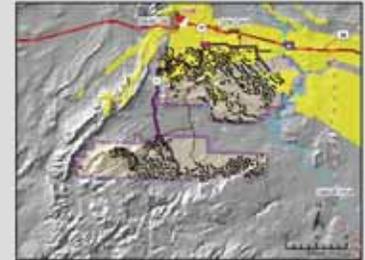


Photo Location Map

Alternative 2



Items Not Simulated Due to Distance:

- Substation
- Access Roads
- Intermodal Facilities

Existing Conditions



The KOP is at the Rawlins Recreation Center within the city of Rawlins. The view was taken on July 9, 2008 at 10:03am looking towards the southeast, and shows ridgetops and north-facing slopes of the Chokecherry area about 5 miles from the KOP.

### KOP 1: Rawlins Recreation Center

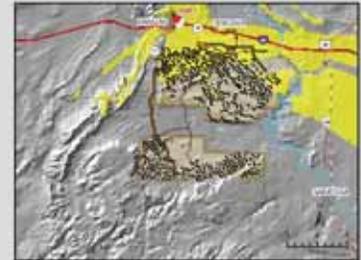


Photo Location Map

Alternative 3



Existing Conditions



The KOP is at the Rawlins Recreation Center within the city of Rawlins. The view was taken on July 9, 2008 at 10:03am looking towards the southeast, and shows ridgetops and north-facing slopes of the Chokecherry area about 5 miles from the KOP.

### KOP 1: Rawlins Recreation Center

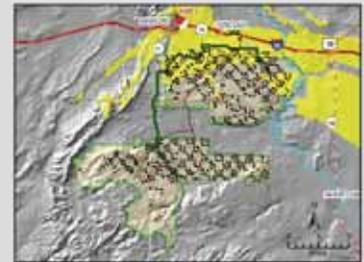


Photo Location Map

Alternative 4



### KOP 4: State Highway 130 at Overland Trail Historical Marker

#### Existing Conditions



The KOP is at the Overland Historic Trail marker at the trail crossing of State Highway 130 approximately 10 miles north of Saratoga. The view was taken on July 9, 2008 at 11:57 am looking towards the west, and shows the southeast portion of the Chokecherry area about 7 miles from the KOP.

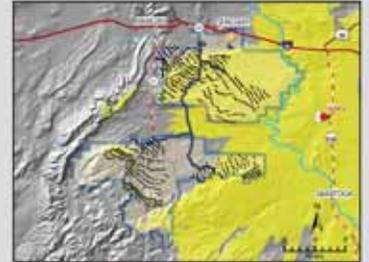


Photo Location Map

#### Alternative 1R



### KOP 4: State Highway 130 at Overland Trail Historical Marker

#### Existing Conditions



The KOP is at the Overland Historic Trail marker at the trail crossing of State Highway 130 approximately 10 miles north of Saratoga. The view was taken on July 9, 2008 at 11:57 am looking towards the west, and shows the southeast portion of the Chokecherry area about 7 miles from the KOP.

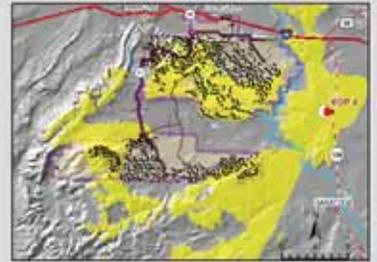


Photo Location Map

#### Alternative 2



### KOP 4: State Highway 130 at Overland Trail Historical Marker

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The KOP is at the Overland Historic Trail marker at the trail crossing of State Highway 130 approximately 10 miles north of Saratoga. The view was taken on July 9, 2008 at 11:57 am looking towards the west, and shows the southeast portion of the Chokecherry area about 7 miles from the KOP.

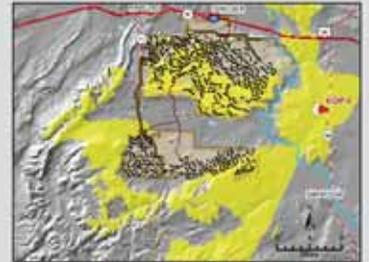


Photo Location Map

#### Alternative 3



### KOP 4: State Highway 130 at Overland Trail Historical Marker

#### Existing Conditions



The KOP is at the Overland Historic Trail marker at the trail crossing of State Highway 130 approximately 10 miles north of Saratoga. The view was taken on July 9, 2008 at 11:57 am looking towards the west, and shows the southeast portion of the Chokecherry area about 7 miles from the KOP.

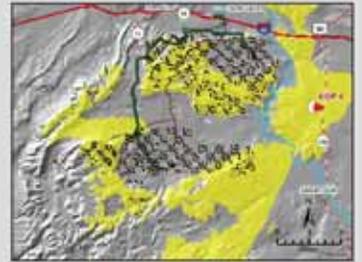


Photo Location Map

#### Alternative 4



### KOP 5: County Road 508 to Pick Bridge Public Access Area

#### Existing Conditions



The KOP is on County Road 508, which provides access to the Pick Bridge Public Access Area from State Highway 130. The view was taken on July 9, 2008 at 12:13pm looking towards the southwest, showing the Sierra Madre area (7 miles).

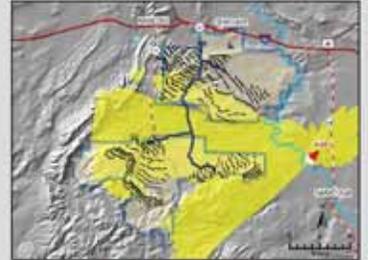


Photo Location Map

#### Alternative 1R



### KOP 5: County Road 508 to Pick Bridge Public Access Area

#### Existing Conditions



The KOP is on County Road 508, which provides access to the Pick Bridge Public Access Area from State Highway 130. The view was taken on July 9, 2008 at 12:13pm looking towards the southwest, showing the Sierra Madre area (7 miles).

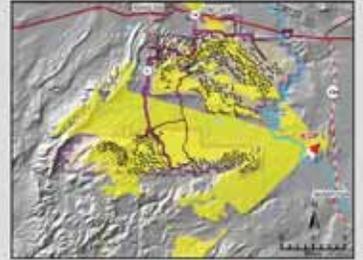


Photo Location Map

#### Alternative 2



### KOP 5: County Road 508 to Pick Bridge Public Access Area

#### Existing Conditions



The KOP is on County Road 508, which provides access to the Pick Bridge Public Access Area from State Highway 130. The view was taken on July 9, 2008 at 12:13pm looking towards the southwest, showing the Sierra Madre area (7 miles).

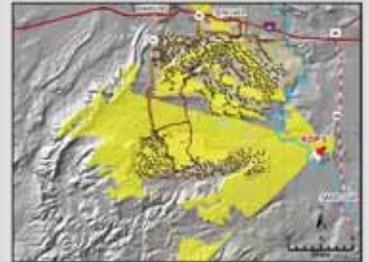


Photo Location Map

#### Alternative 3



### KOP 5: County Road 508 to Pick Bridge Public Access Area

#### Existing Conditions



The KOP is on County Road 508, which provides access to the Pick Bridge Public Access Area from State Highway 130. The view was taken on July 9, 2008 at 12:13pm looking towards the southwest, showing the Sierra Madre area (7 miles).

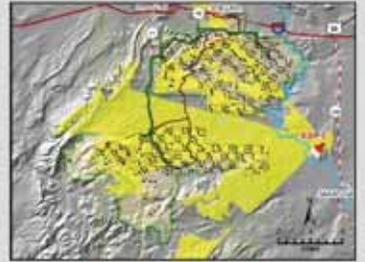


Photo Location Map

#### Alternative 4



### KOP 7 : West of Saratoga - County Road 385 and County Road 500

Existing Conditions



The junction of County Road 385 and County Road 500 is at the west boundary of Saratoga. The view was taken on July 9, 2008 at 2:14pm looking towards the northwest, showing the Sierra Madre area (7.5 miles)

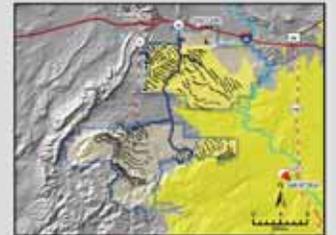


Photo Location Map

Alternative 1R



### KOP 7 : West of Saratoga - County Road 385 and County Road 500

#### Existing Conditions



The junction of County Road 385 and County Road 500 is at the west boundary of Saratoga. The view was taken on July 9, 2008 at 2:14pm looking towards the northwest, showing the Sierra Madre area (7.5 miles)

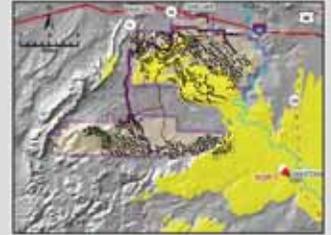


Photo Location Map

#### Alternative 2



### KOP 7 : West of Saratoga - County Road 385 and County Road 500

#### Existing Conditions



The junction of County Road 385 and County Road 500 is at the west boundary of Saratoga. The view was taken on July 9, 2008 at 2:14pm looking towards the northwest, showing the Sierra Madre area (7.5 miles)



Photo Location Map

#### Alternative 3



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The junction of County Road 385 and County Road 500 is at the west boundary of Saratoga. The view was taken on July 9, 2008 at 2:14pm looking towards the northwest, showing the Sierra Madre area (7.5 miles).

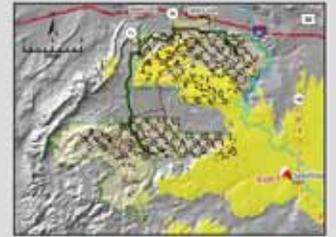


Photo Location Map

Alternative 4



# KOP 10 : Teton Reservoir Campground

## Existing Conditions



The Teton Reservoir Campground is located east of Highway 71 and north of the Overland Historic Trail. The view was taken on July 9, 2008 at 4:37pm looking towards the northeast looking at Sheep Mountain and a steep ridge extending to the east in the Chokecherry area.

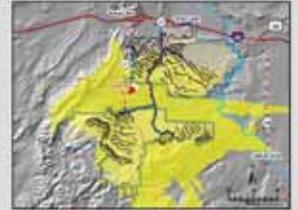


Photo Location Map

## Alternative 1R



## KOP 10 : Teton Reservoir Campground

### Existing Conditions



The Teton Reservoir Campground is located east of Highway 71 and north of the Overland Historic Trail. The view was taken on July 9, 2008 at 4:37pm looking towards the northeast looking at Sheep Mountain and a steep ridge extending to the east in the Chokecherry area.

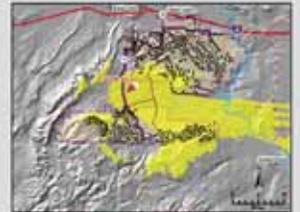


Photo Location Map

### Alternative 2



## KOP 10 : Teton Reservoir Campground

### Existing Conditions



The Teton Reservoir Campground is located east of Highway 71 and north of the Overland Historic Trail. The view was taken on July 9, 2008 at 4:37pm looking towards the northeast looking at Sheep Mountain and a steep ridge extending to the east in the Chokecherry area.

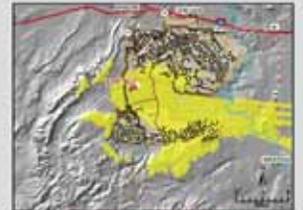


Photo Location Map

### Alternative 3



# KOP 10 : Teton Reservoir Campground

## Existing Conditions



The Teton Reservoir Campground is located east of Highway 71 and north of the Overland Historic Trail. The view was taken on July 9, 2008 at 4:37pm looking towards the northeast looking at Sheep Mountain and a steep ridge extending to the east in the Chokecherry area.

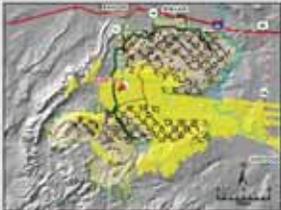


Photo Location Map

## Alternative 4



## KOP 12 CDNST Above Rim Lake

### Existing Conditions



The KOP is on the Continental Divide National Scenic Trail above the Rim Lake Recreation Site. The view was taken on July 9, 2008 at 12:23pm looking towards the east, looking at ridges at the west boundary of the Chokecherry area.

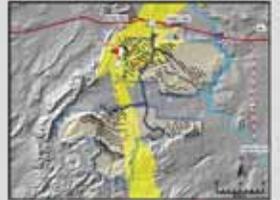


Photo Location Map

### Alternative 1R



## KOP 12 CDNST Above Rim Lake

### Existing Conditions



The KOP is on the Continental Divide National Scenic Trail above the Rim Lake Recreation Site. The view was taken on July 9, 2006 at 12:23pm looking towards the east, looking at ridges at the west boundary of the Chokecherry area.

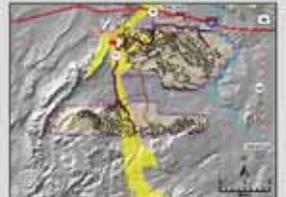
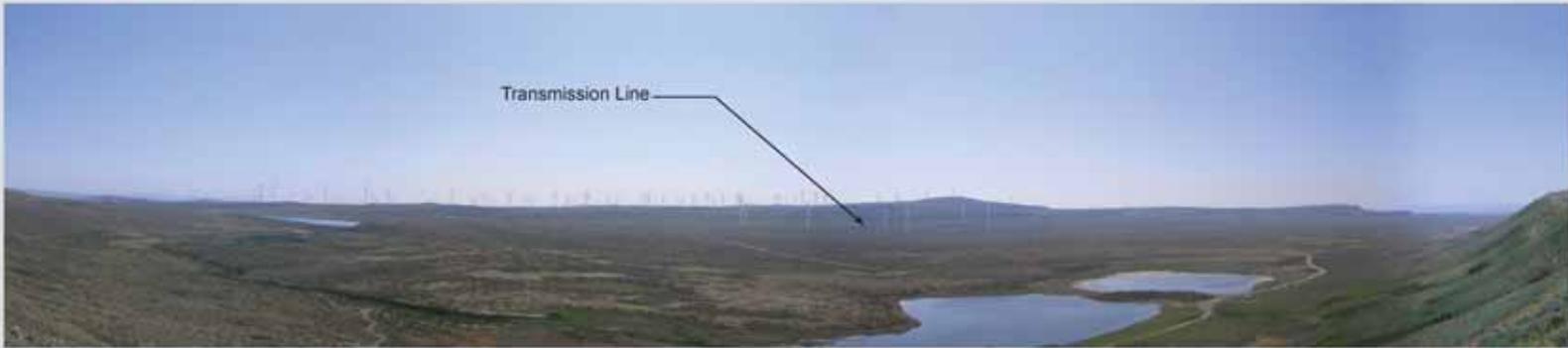


Photo Location Map

### Alternative 2



### KOP 12 CDNST Above Rim Lake

#### Existing Conditions



The KOP is on the Continental Divide National Scenic Trail above the Rim Lake Recreation Site. The view was taken on July 9, 2006 at 12:23pm looking towards the east, looking at ridges at the west boundary of the Chokecherry area.

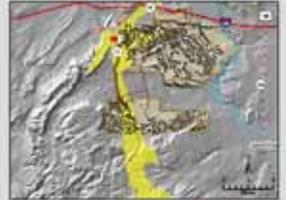
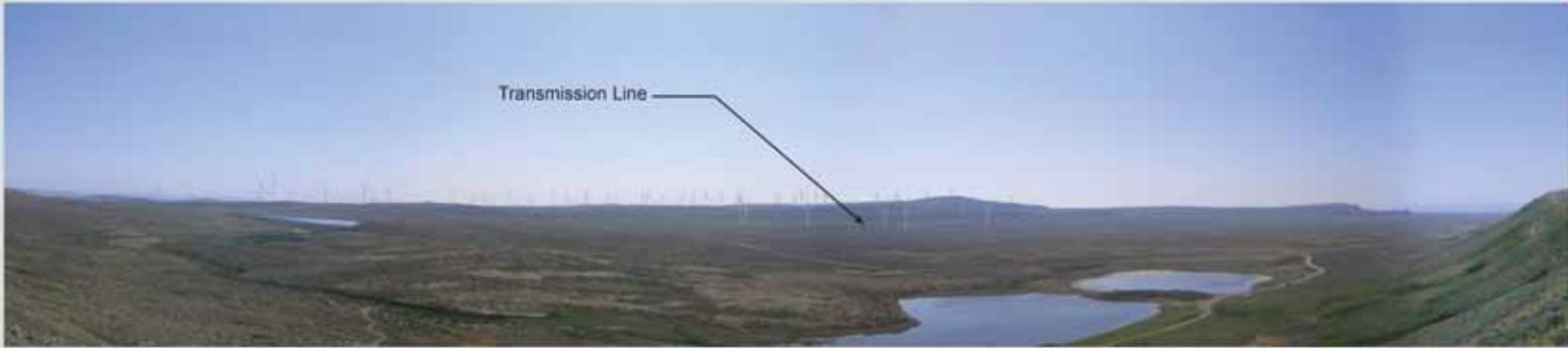


Photo Location Map

#### Alternative 3



### KOP 12 CDNST Above Rim Lake

#### Existing Conditions

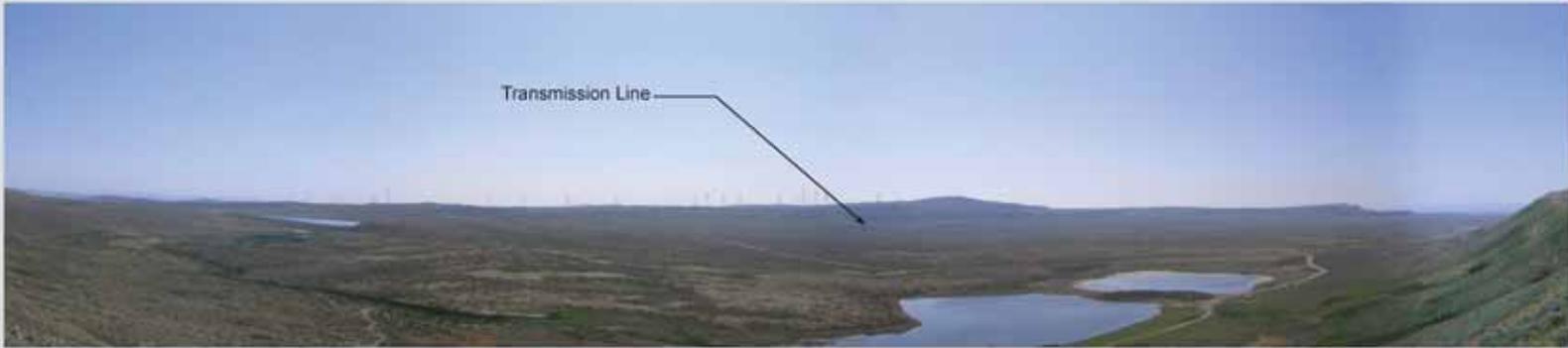


The KOP is on the Continental Divide National Scenic Trail above the Rim Lake Recreation Site. The view was taken on July 9, 2006 at 12:23pm looking towards the east, looking at ridges at the west boundary of the Chokecherry area.



Photo Location Map

#### Alternative 4



## KOP 15: Seminoe to Alcove Scenic Byway BLM Kiosk

### Existing Conditions



The KOP is on the Seminoe to Alcove Scenic Byway BLM Kiosk north of Sinclair. The view was taken on May 26, 2010 at 12:26pm looking towards the south at the north facing ridges of the Chokecherry area. The closest WTG is approximately 8 miles away.



Photo Location Map

### Alternative 1R



## KOP 15: Seminoe to Alcove Scenic Byway BLM Kiosk

### Existing Conditions



The KOP is on the Seminoe to Alcove Scenic Byway BLM Kiosk north of Sinclair. The view was taken on May 28, 2010 at 12:26pm looking towards the south at the north facing ridges of the Chokecherry area. The closest WTG is approximately 8 miles away.

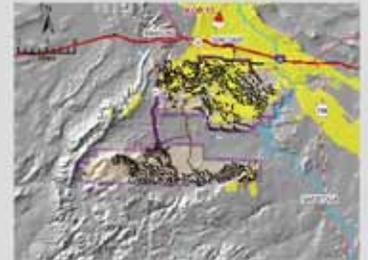


Photo Location Map

### Alternative 2



### KOP 15: Seminoe to Alcove Scenic Byway BLM Kiosk

#### Existing Conditions



The KOP is on the Seminoe to Alcove Scenic Byway BLM Kiosk north of Sinclair. The view was taken on May 26, 2010 at 12:26pm looking towards the south at the north facing ridges of the Chokecherry area. The closest WTG is approximately 8 miles away.

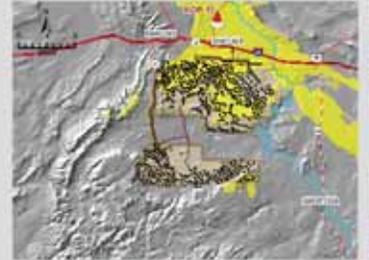


Photo Location Map

#### Alternative 3



### KOP 15: Seminoe to Alcove Scenic Byway BLM Kiosk

#### Existing Conditions



The KOP is on the Seminoe to Alcove Scenic Byway BLM Kiosk north of Sinclair. The view was taken on May 28, 2010 at 12:26pm looking towards the south at the north facing ridges of the Chokecherry area. The closest WTG is approximately 8 miles away.

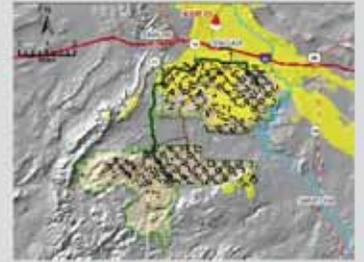


Photo Location Map

#### Alternative 4



### KOP 17: County Road 345 at Savage Hills

#### Existing Conditions



The high point along County Road 345, near the southwest base of the Savage Hills. The photo was taken on May 28, 2010 at 1:33pm and is looking to the southwest at a panoramic vista containing the Severson Flats.

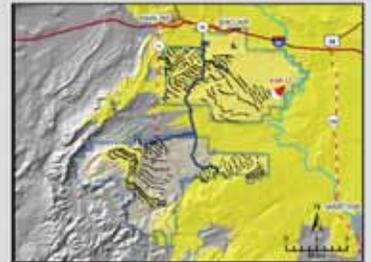


Photo Location Map

#### Alternative 1R



### KOP 17: County Road 345 at Savage Hills

#### Existing Conditions



The high point along County Road 345, near the southwest base of the Savage Hills. The photo was taken on May 28, 2010 at 1:33pm and is looking to the southwest at a panoramic vista containing the Severson Flats.

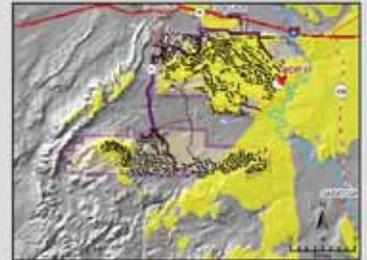


Photo Location Map

#### Alternative 2



### KOP 17: County Road 345 at Savage Hills

#### Existing Conditions



The high point along County Road 345, near the southwest base of the Savage Hills. The photo was taken on May 28, 2010 at 1:33pm and is looking to the southwest at a panoramic vista containing the Severson Flats.

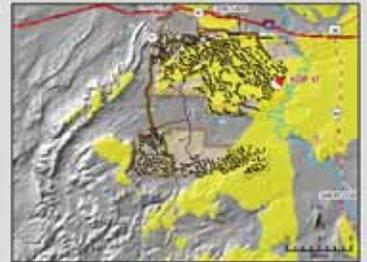


Photo Location Map

#### Alternative 3



### KOP 17: County Road 345 at Savage Hills

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The high point along County Road 345, near the southwest base of the Savage Hills. The photo was taken on May 28, 2010 at 1:33pm and is looking to the southwest at a panoramic vista containing the Severson Flats.

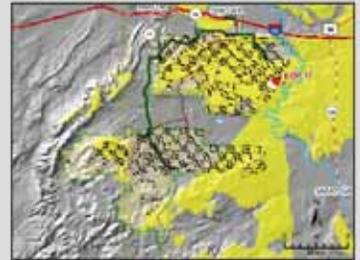


Photo Location Map

#### Alternative 4



Existing Conditions



The KOP is at the Overland Trail Cemetery overlooking the Overland Trail crossing of the North Platte River. The view was taken on May 28, 2010 at 9:06am looking towards the southwest, and shows ridgetops from Sage Creek to Miller Hill.

## KOP 19: North Platte River

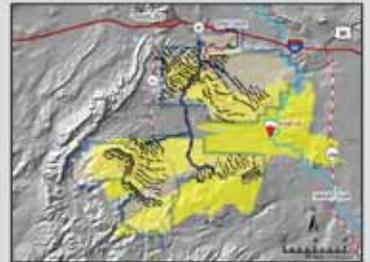


Photo Location Map

Alternative 1R



Existing Conditions



The KOP is at the Overland Trail Cemetery overlooking the Overland Trail crossing of the North Platte River. The view was taken on May 28, 2010 at 9:06am looking towards the southwest, and shows ridgetops from Sage Creek to Miller Hill.

# KOP 19: North Platte River

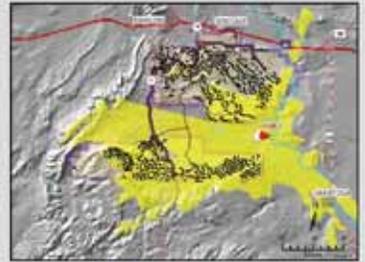


Photo Location Map

Alternative 2



Existing Conditions



The KOP is at the Overland Trail Cemetery overlooking the Overland Trail crossing of the North Platte River. The view was taken on May 28, 2010 at 9:06am looking towards the southwest, and shows ridgetops from Sage Creek to Miller Hill.

### KOP 19: North Platte River

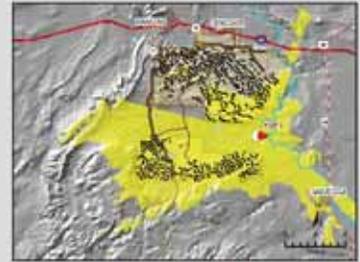


Photo Location Map

Alternative 3



Existing Conditions



The KOP is at the Overland Trail Cemetery overlooking the Overland Trail crossing of the North Platte River. The view was taken on May 28, 2010 at 9:06am looking towards the southwest, and shows ridgetops from Sage Creek to Miller Hill.

### KOP 19: North Platte River

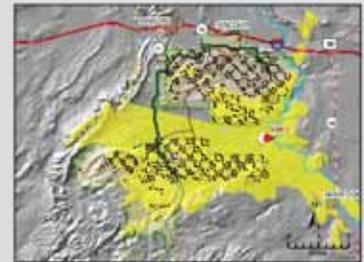


Photo Location Map

Alternative 4

