

Stibnite Gold Project EIS

Appendix O

Scenic Resources

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Appendix O-1: Key Observation Point Simulation Photos

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**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**

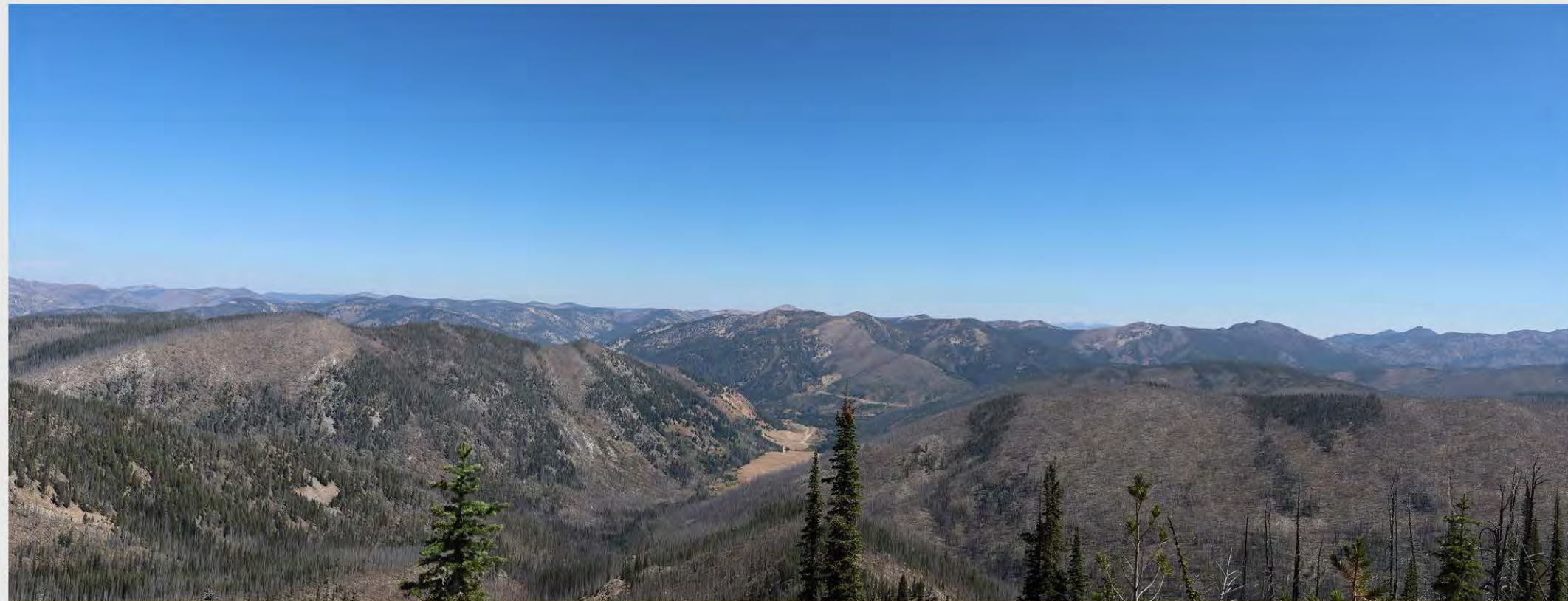
**KOP 1A
Meadow Creek
Lookout
Simulation**



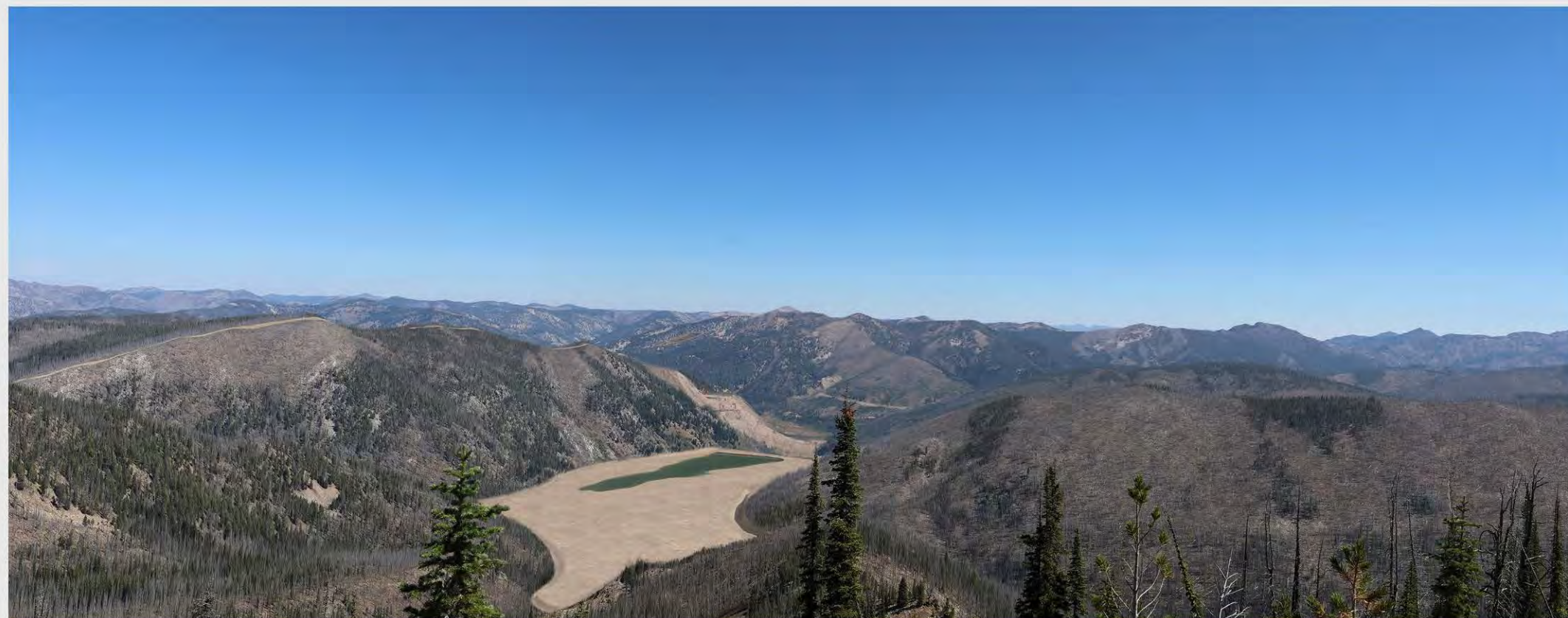
VICINITY MAP

Photograph Information

Time of photograph: 12:45 PM
Date of photograph: 08-29-2018
Weather condition: Clear
Viewing direction: NE
Latitude: 44.8686 N
Longitude: -115.3887 W



Existing Conditions



Simulated Conditions - Year 12 of Mine Operations

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**

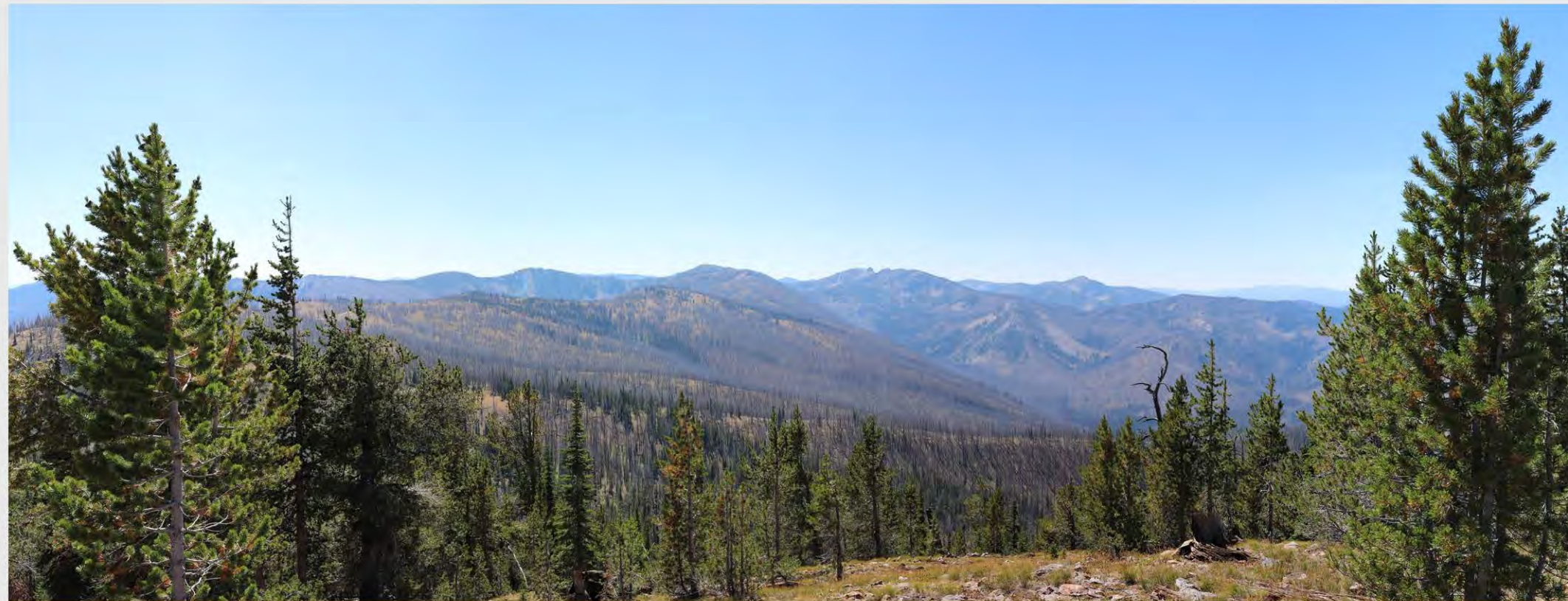
**KOP 1B
Meadow Creek
Lookout
Simulation**



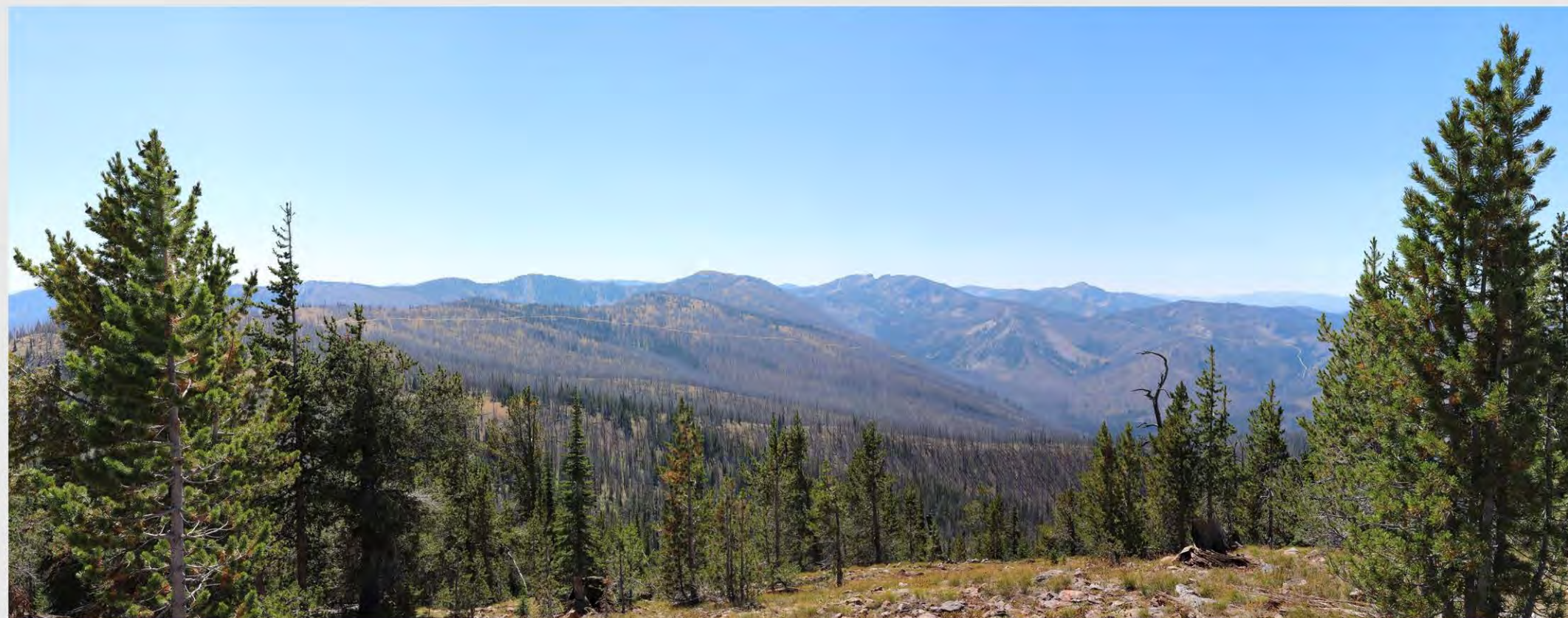
VICINITY MAP

Photograph Information

Time of photograph: 1:00 PM
Date of photograph: 08-29-2018
Weather condition: Clear
Viewing direction: S
Latitude: 44.8681 N
Longitude: -115.3893 W



Existing Conditions



Simulated Conditions - Year 12 of Mine Operations

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**

**KOP 2
Summit Trail**



Existing Conditions

Note: Simulation was not advanced because the new Burntlog Road would not be visible from KOP 2. The new road would be downslope and the view of it blocked by existing terrain.



VICINITY MAP

Photograph Information

Time of photograph: 12:15 PM
Date of photograph: 08-29-2018
Weather condition: Clear
Viewing direction: W
Latitude: 44.8477 N
Longitude: -115.3764 W

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**



Existing Conditions

**KOP 3
Photograph Information**

Time of photograph: 10:03 AM
Date of photograph: 08-29-2018
Weather condition: Clear
Viewing direction: NW
Latitude: 44.8608 N
Longitude: -115.3086 W



VICINITY MAP



Existing Conditions

KOP 4

Photograph Information

Time of photograph: 12:32 PM
Date of photograph: 10-06-2018
Weather condition: Cloudy
Viewing direction: SE
Latitude: 44.9363 N
Longitude: -115.3352 W



VICINITY MAP

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**



Existing Conditions

**KOP 5
Photograph Information**

Time of photograph: 4:14 PM
Date of photograph: 10-06-2018
Weather condition: Clear
Viewing direction: E
Latitude: 44.8907 N
Longitude: -115.4611 W



VICINITY MAP



Existing Conditions

**KOP 6
Photograph Information**

Time of photograph: 11:20 AM
Date of photograph: 10-06-2018
Weather condition: Cloudy
Viewing direction: S
Latitude: 44.8073 N
Longitude: -115.5120 W



VICINITY MAP

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**

**KOP 7
Idaho Centennial Trail
Simulation**



VICINITY MAP

Photograph Information

Time of photograph: 5:38 PM
Date of photograph: 10-06-2018
Weather condition: Clear
Viewing direction: W
Latitude: 44.7867 N
Longitude: -115.5238 W



Existing Conditions



Simulated Conditions - Year 12 of Mine Operations

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**



Existing Conditions

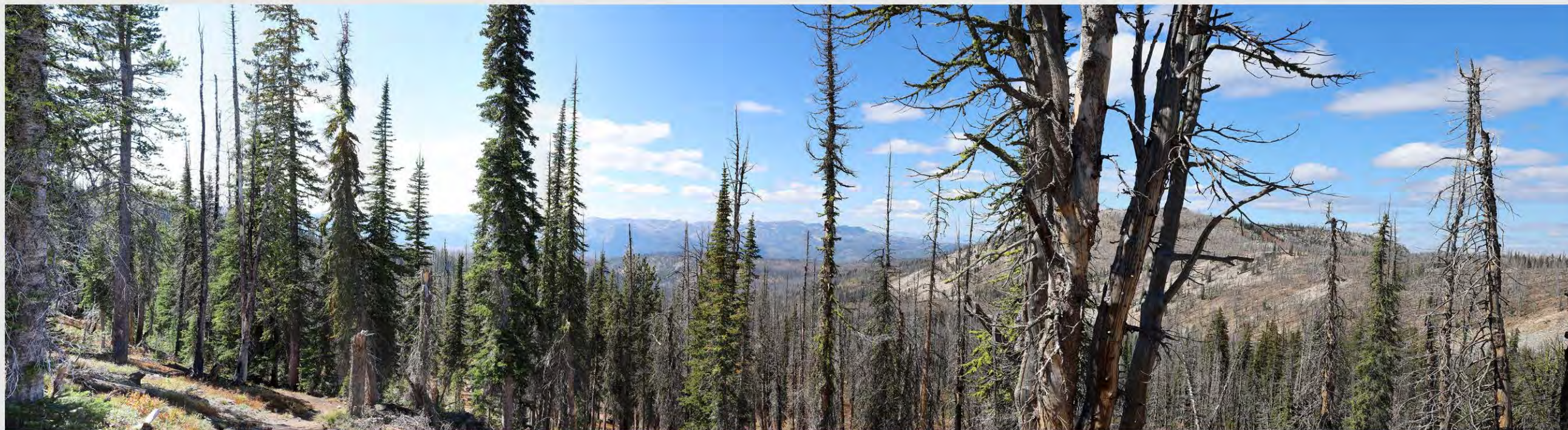
KOP 8

Photograph Information

Time of photograph: 10:49 AM
Date of photograph: 10-06-2018
Weather condition: Cloudy
Viewing direction: W
Latitude: 44.7472 N
Longitude: -115.5555 W



VICINITY MAP

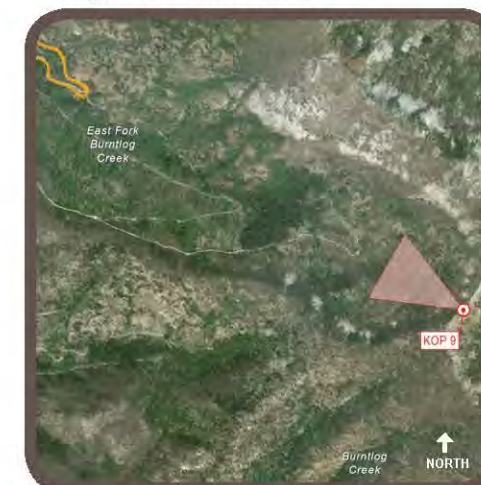


Existing Conditions

KOP 9

Photograph Information

Time of photograph: 3:02 PM
Date of photograph: 08-28-2018
Weather condition: Clear
Viewing direction: NW
Latitude: 44.7256 N
Longitude: -115.4165 W



VICINITY MAP

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**

**KOP 10
Burntlog Road
Simulation**



VICINITY MAP



Existing Conditions



Simulated Conditions - Year 12 of Mine Operations

Photograph Information

Time of photograph: 12:49 PM
Date of photograph: 08-28-2018
Weather condition: Clear
Viewing direction: SW
Latitude: 44.6873 N
Longitude: -115.4619 W

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**

KOP 11



Existing Conditions



VICINITY MAP

Photograph Information

Time of photograph: 4:30 PM
Date of photograph: 08-29-2018
Weather condition: Clear
Viewing direction: W
Latitude: 44.6644 N
Longitude: -115.4495 W

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**



Existing Conditions

**KOP 12A
Photograph Information**

Time of photograph: 11:37 AM
Date of photograph: 08-28-2018
Weather condition: Clear
Viewing direction: N
Latitude: 44.6488 N
Longitude: -115.5001 W



VICINITY MAP



Existing Conditions

**KOP 12B
Photograph Information**

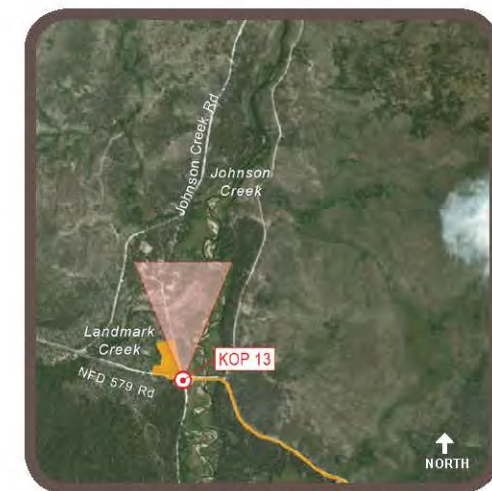
Time of photograph: 11:42 AM
Date of photograph: 08-28-2018
Weather condition: Clear
Viewing direction: SW
Latitude: 44.6488 N
Longitude: -115.5001 W

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**

KOP 13



Existing Conditions



VICINITY MAP

Photograph Information

Time of photograph: 6:15 PM
Date of photograph: 10-06-2018
Weather condition: Clear
Viewing direction: N
Latitude: 44.6524 N
Longitude: -115.5438 W

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**

**KOP 14A
Photograph Information**

Time of photograph: 10:36 AM
Date of photograph: 08-28-2018
Weather condition: Clear
Viewing direction: SW
Latitude: 44.6747 N
Longitude: -115.6664 W



VICINITY MAP

**KOP 14B
Photograph Information**

Time of photograph: 10:40 AM
Date of photograph: 08-28-2018
Weather condition: Clear
Viewing direction: NE
Latitude: 44.6747 N
Longitude: -115.6664 W



Existing Conditions



Existing Conditions

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**



Existing Conditions

**KOP 15A
Photograph Information**

Time of photograph: 9:43 AM
Date of photograph: 08-28-2018
Weather condition: Cloudy
Viewing direction: SW
Latitude: 44.6654 N
Longitude: -115.6832 W



VICINITY MAP



Existing Conditions

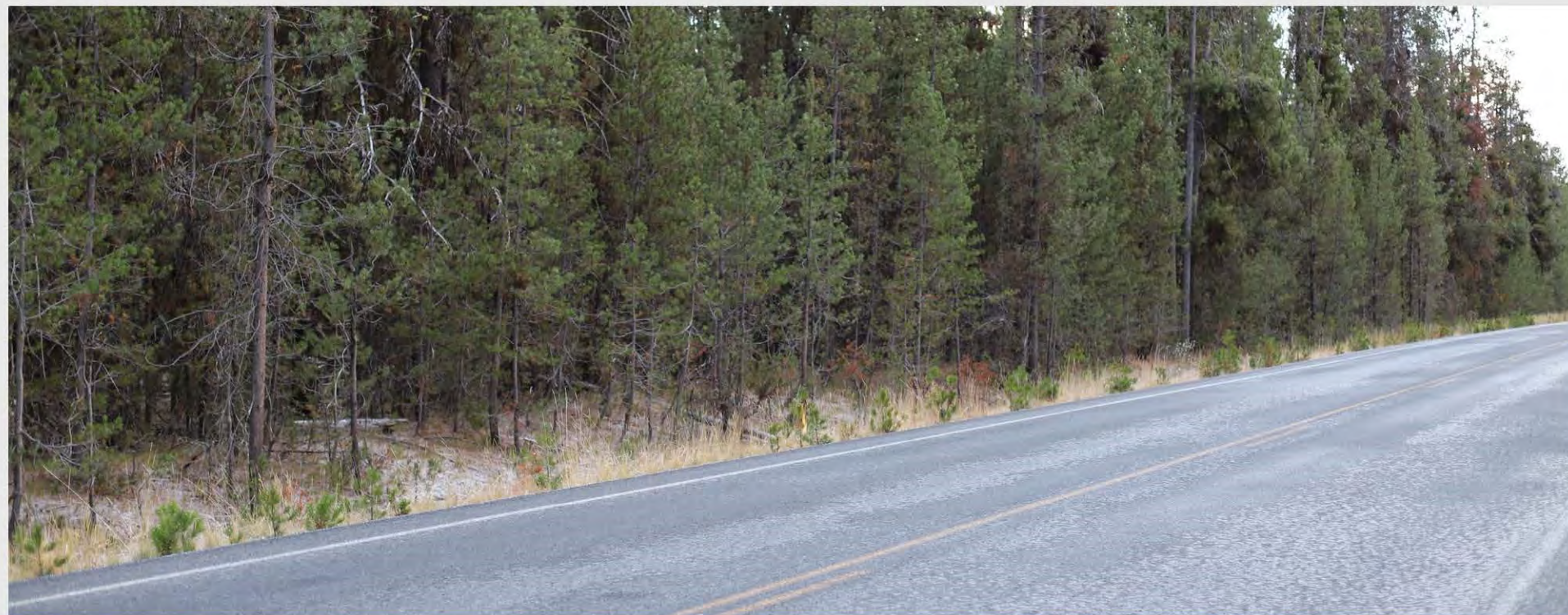
**KOP 15B
Photograph Information**

Time of photograph: 10:08 AM
Date of photograph: 08-28-2018
Weather condition: Cloudy
Viewing direction: NE
Latitude: 44.6641 N
Longitude: -115.6859 W

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**



Existing Conditions



Existing Conditions

**KOP 16A
Photograph Information**

Time of photograph: 9:25 AM
Date of photograph: 10-06-2018
Weather condition: Cloudy
Viewing direction: NE
Latitude: 44.559 N
Longitude: -115.905 W



VICINITY MAP

**KOP 16B
Photograph Information**

Time of photograph: 9:16 AM
Date of photograph: 10-06-2018
Weather condition: Cloudy
Viewing direction: SW
Latitude: 44.556 N
Longitude: -115.901 W

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**

**KOP 17
Lake Cascade
Powerline Corridor
Simulation**



VICINITY MAP



Existing Conditions



Simulated Conditions - Year 12 of Mine Operations

Photograph Information

Time of photograph: 6:15 PM
Date of photograph: 08-29-2018
Weather condition: Clear
Viewing direction: N
Latitude: 44.7204 N
Longitude: -116.0681 W

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**



Existing Conditions

**KOP 18
Photograph Information**

Time of photograph: 6:06 PM
Date of photograph: 08-29-2018
Weather condition: Clear
Viewing direction: N
Latitude: 44.6783 N
Longitude: -115.0680 W



VICINITY MAP



Existing Conditions

**KOP 19
Photograph Information**

Time of photograph: 4:45 PM
Date of photograph: 08-28-2018
Weather condition: Clear
Viewing direction: NW
Latitude: 44.7851 N
Longitude: -115.4561 W



VICINITY MAP

**STIBNITE GOLD
PROJECT
KEY OBSERVATION POINTS**

KOP 20



Existing Conditions



VICINITY MAP

Photograph Information

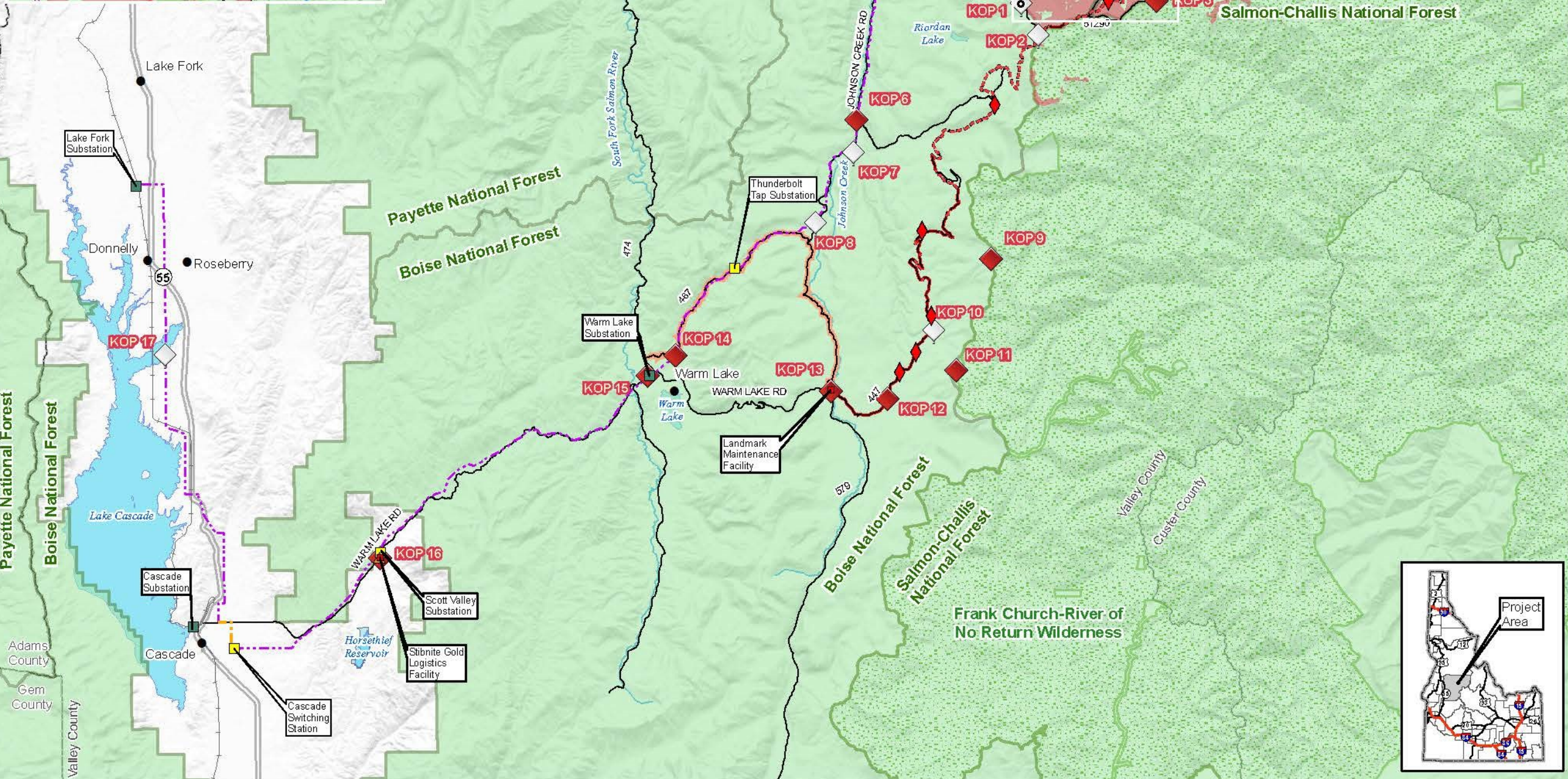
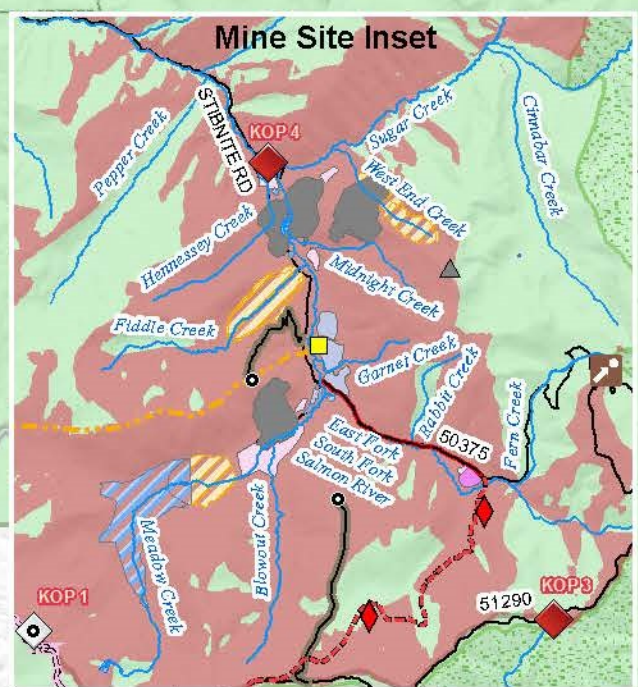
Time of photograph: 12:16 PM
Date of photograph: 08-28-2018
Weather condition: Clear
Viewing direction: NE
Latitude: 44.661 N
Longitude: -115.4919 W

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**Appendix O-2: Alternatives Viewshed Analyses and Key Observation
Points, Alternative 1**

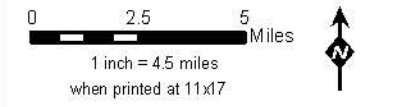
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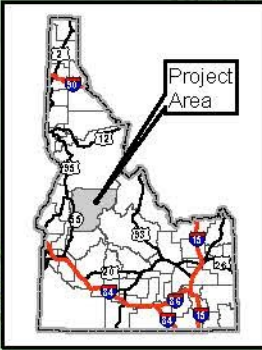
- LEGEND**
- KOP
 - KOP & Simulation
 - Mine Site Viewshed (25 mi)
 - Project Components ***
 - Mine Site**
 - Open Pit
 - Ore Processing Facilities/ Mine Support Infrastructure
 - Development Rock Storage Facility
 - Growth Media Stockpile
 - Worker Housing Facility
 - Access Roads and Trail System**
 - Burntlog Route New
 - Burntlog Route Upgrade
 - Groomed OSV Route
 - OHV Trail
 - Cell Tower Access Road
 - Burntlog Route Borrow Source
 - Utilities**
 - New Powerline
 - Upgraded Powerline
 - New Substation**
 - Existing Substation**
 - New Communication Tower
 - Existing Communication Tower
 - Cell Tower Option
 - Offsite Facilities**
 - Midas Gold Offsite Facility
 - Other Features**
 - U.S. Forest Service
 - Wilderness
 - County
 - City/Town
 - Monumental Summit
 - Railroad
 - Highway
 - Road
 - Stream/River
 - Lake/Reservoir

* Project Components are associated with Alternative 1
 ** Substation locations are approximate
 Note: The McCall - Stibnite Road (CR 50-412) consists of Lick Creek Road, East Fork South Fork Salmon River Road (East Fork Road) and Stibnite Road.

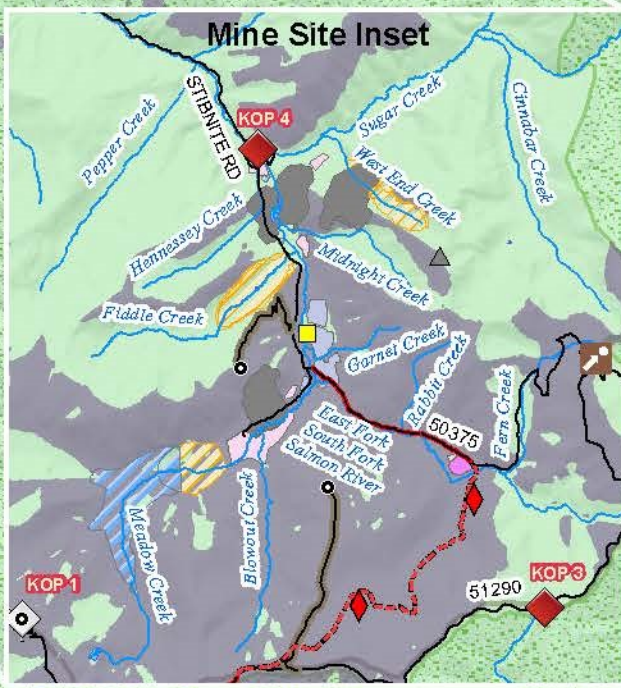
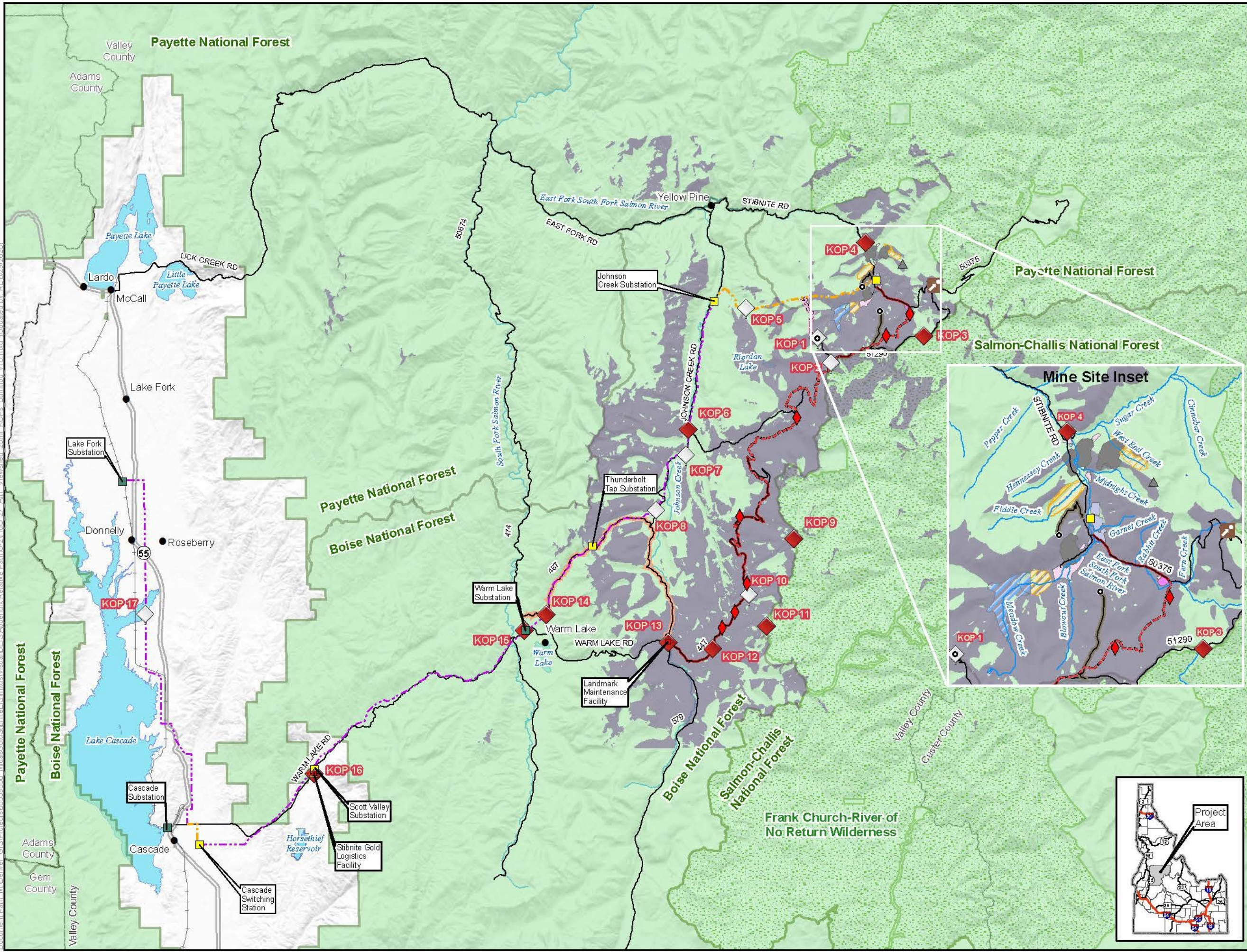


Scenic Resources - Mine Site: Alternative 1 Viewshed Analysis and Key Observation Points
Stibnite Gold Project
Stibnite, ID

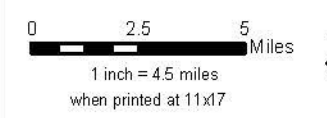
Base Layer: USGS The National Map: 3D Elevation Program, USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed January, 2020.
 Other Data Sources: Midas Gold; State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest



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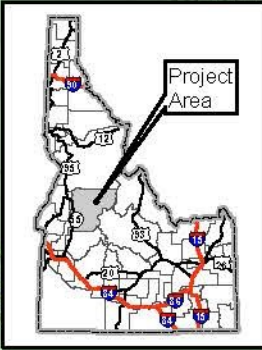


- LEGEND**
- ◆ KOP
 - KOP & Simulation
 - Burntlog Route Viewshed (25 m)
 - Project Components ***
 - Mine Site**
 - Open Pit
 - Ore Processing Facilities/ Mine Support Infrastructure
 - Development Rock Storage Facility
 - Growth Media Stockpile
 - Worker Housing Facility
 - Access Roads and Trail System**
 - Burntlog Route New
 - Burntlog Route Upgrade
 - Groomed OSV Route
 - OHV Trail
 - Cell Tower Access Road
 - Burntlog Route Borrow Source
 - Utilities**
 - New Powerline
 - Upgraded Powerline
 - New Substation**
 - Existing Substation**
 - New Communication Tower
 - Existing Communication Tower
 - Cell Tower Option
 - Offsite Locations**
 - Midas Gold Offsite Facility
 - Other Features**
 - U.S. Forest Service
 - Wilderness
 - County
 - City/Town
 - Monumental Summit
 - Railroad
 - Highway
 - Road
 - Stream/River
 - Lake/Reservoir



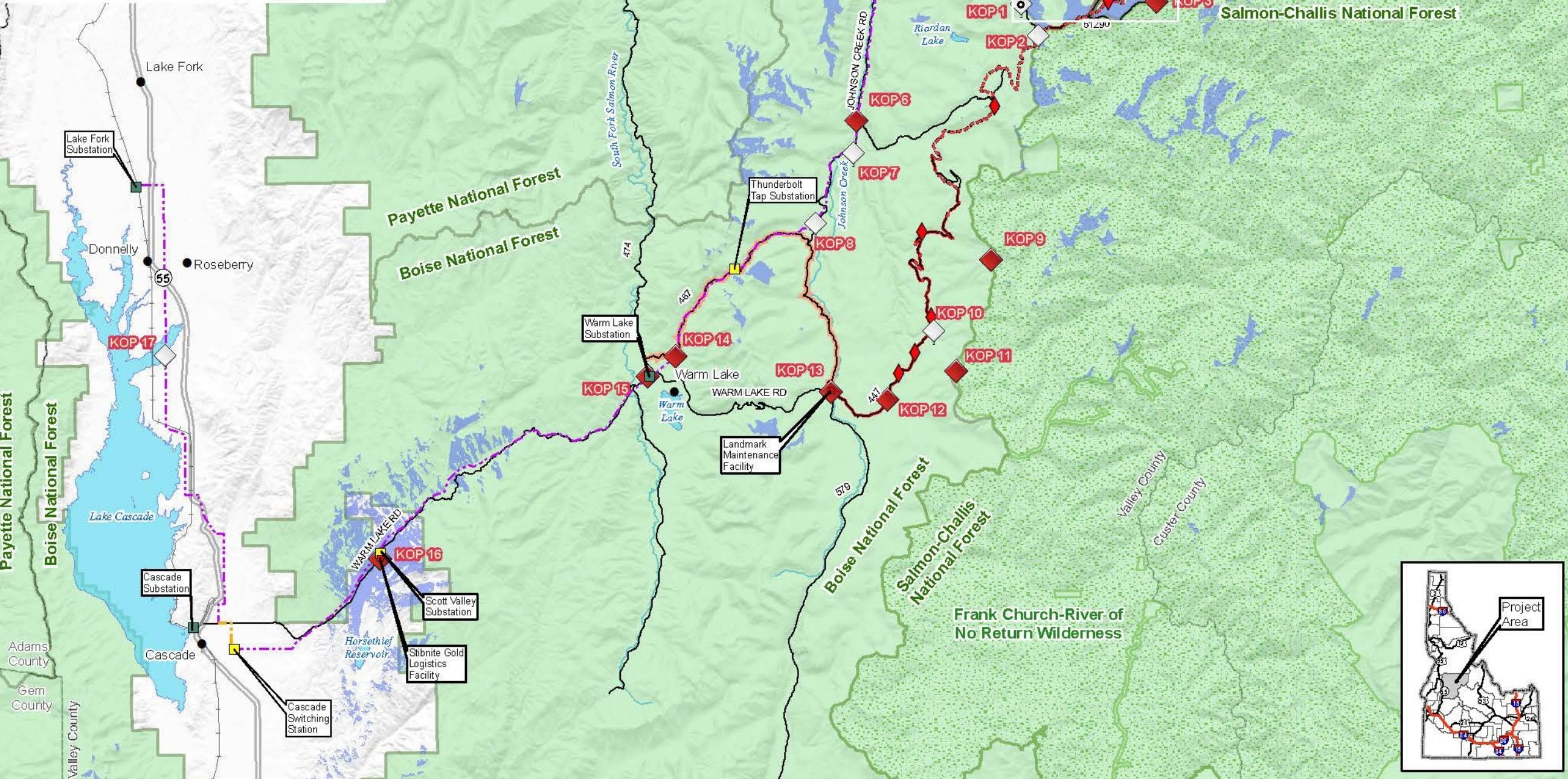
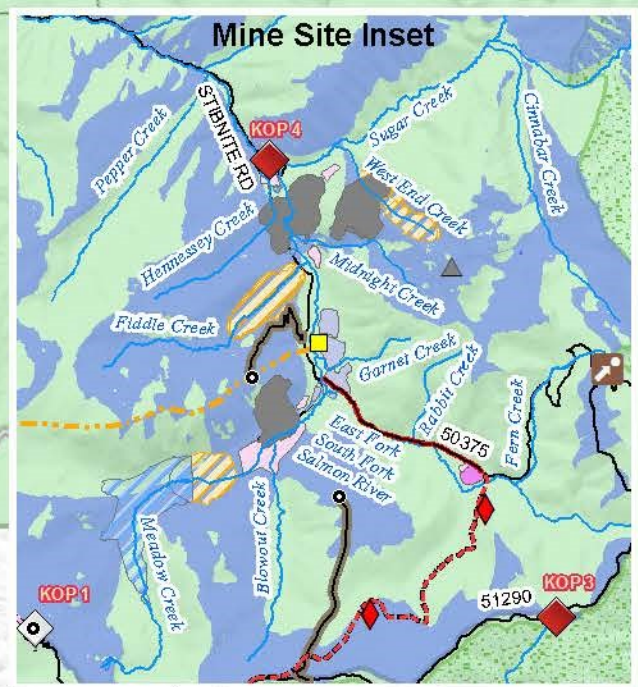
Scenic Resources - Alternative 1 Burntlog Road Viewshed Analysis and Key Observation Points Stibnite Gold Project Stibnite, ID

Base Layer: USGS The National Map: 3D Elevation Program; USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed January, 2020.
 Other Data Sources: Midas Gold; State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest



Map Date: 6/29/2020

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LEGEND

- KOP & Simulation
- KOP
- Communication Tower Viewshed (25 mi)

Project Components *

Mine Site

- Open Pit
- Ore Processing Facilities/ Mine Support Infrastructure
- Development Rock Storage Facility
- Growth Media Stockpile
- Worker Housing Facility

Access Roads and Trail System

- Burntlog Route New
- Burntlog Route Upgrade
- Groomed OSV Route
- OHV Trail
- Cell Tower Access Road
- Burntlog Route Borrow Source

Utilities

- New Powerline
- Upgraded Powerline
- New Substation***
- Existing Substation**
- New Communication Tower
- Existing Communication Tower
- Cell Tower Option

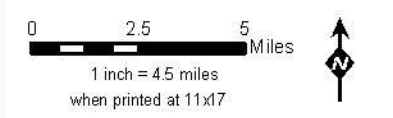
Offsite Facilities

- Midas Gold Offsite Facility

Other Features

- U.S. Forest Service
- Wilderness
- County
- City/Town
- Monumental Summit
- Railroad
- Highway
- Road
- Stream/River
- Lake/Reservoir

* Project Components are associated with Alternative 1
 ** Substation locations are approximate
 Note: The McCall - Stibnite Road (CR 50-412) consists of Lick Creek Road, East Fork South Fork Salmon River Road (East Fork Road) and Stibnite Road.

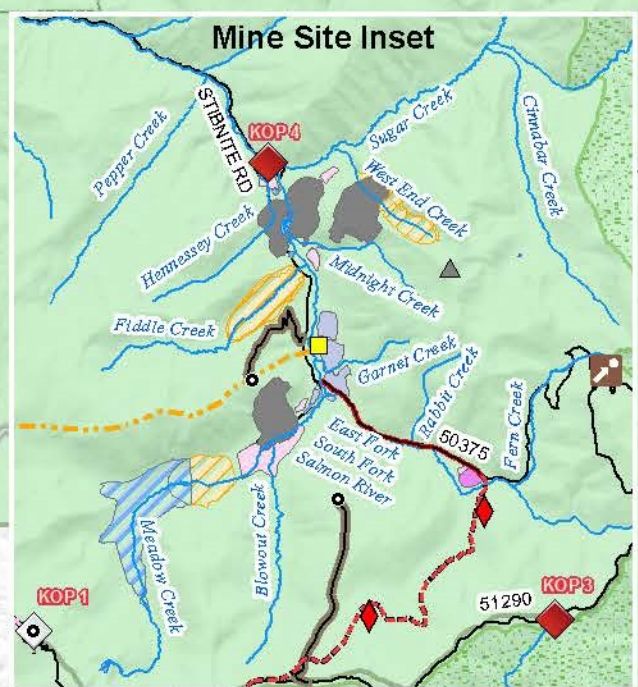
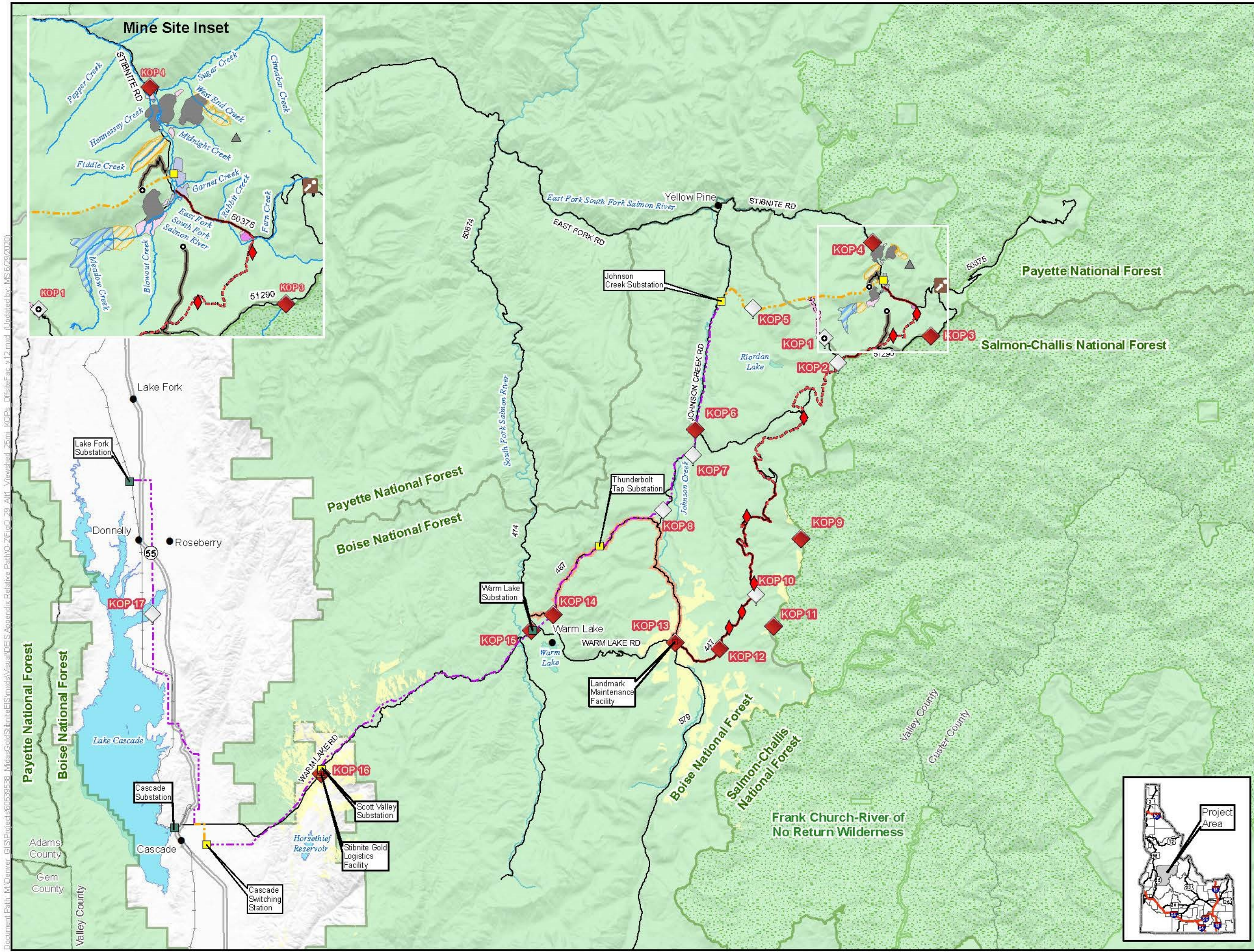


Scenic Resources - Alternative 1 Communication Viewshed Analysis and Key Observation Points Stibnite Gold Project Stibnite, ID

Base Layer: USGS The National Map: 3D Elevation Program, USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed January, 2020.
 Other Data Sources: Midas Gold; State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest.

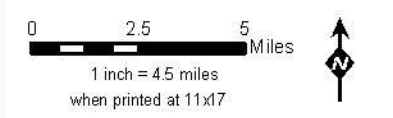
Project Area

Map Date: 11/1/2017



- LEGEND**
- ◆ KOP
 - ◆ KOP & Simulation
 - Offsite Facilities Viewshed (25 mi)
- Project Components ***
- Mine Site**
- Open Pit
 - Ore Processing Facilities/ Mine Support Infrastructure
 - Development Rock Storage Facility
 - Growth Media Stockpile
 - Worker Housing Facility
- Access Roads and Trail System**
- Burntlog Route New
 - Burntlog Route Upgrade
 - Groomed OSV Route
 - OHV Trail
 - Cell Tower Access Road
 - ◆ Burntlog Route Borrow Source
- Utilities**
- New Powerline
 - Upgraded Powerline
 - New Substation**
 - Existing Substation**
 - ▲ New Communication Tower
 - ▲ Existing Communication Tower
 - Cell Tower Option
- Other Features**
- U.S. Forest Service
 - Wilderness
 - County
 - City/Town
 - ▲ Monumental Summit
 - Railroad
 - Highway
 - Road
 - Stream/River
 - Lake/Reservoir

* Project Components are associated with Alternative 1
 ** Substation locations are approximate
 Note: The McCall - Stibnite Road (CR 50-412) consists of Lick Creek Road, East Fork South Fork Salmon River Road (East Fork Road) and Stibnite Road.



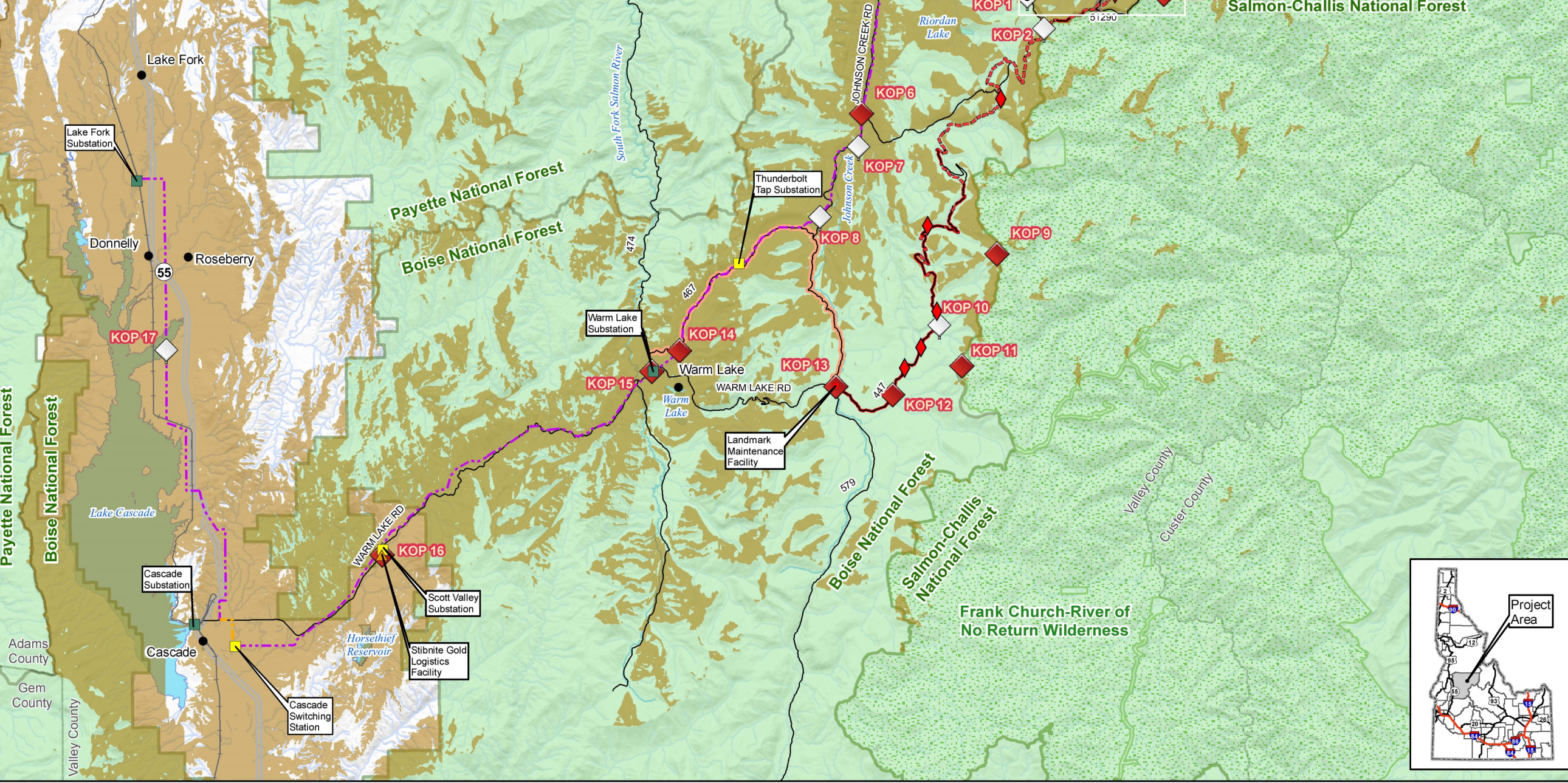
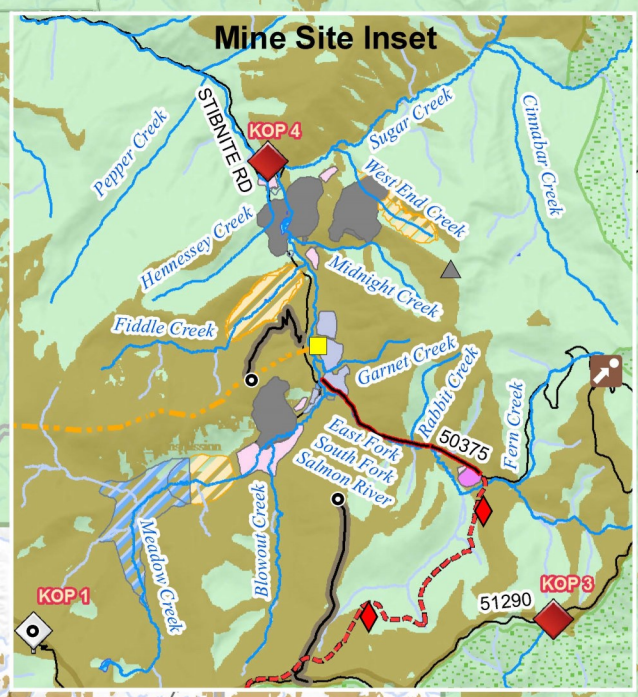
Scenic Resources - Offsite Facilities Alternative 1 Viewshed Analysis and Key Observation Points Stibnite Gold Project Stibnite, ID

Base Layer: USGS The National Map: 3D Elevation Program, USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed January, 2020.
 Other Data Sources: Mida's Golt; State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest

Map Date: 6/29/2020

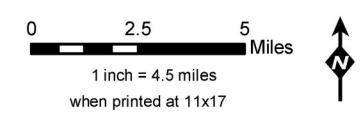
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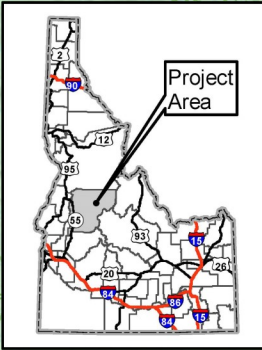


- LEGEND**
- KOP
 - KOP & Simulation
 - Transmission Line Viewshed (25 mi)
- Project Components ***
- Mine Site**
- Open Pit
 - Ore Processing Facilities/ Mine Support Infrastructure
 - Development Rock Storage Facility
 - Growth Media Stockpile
 - Worker Housing Facility
- Access Roads and Trail System**
- Burntlog Route New
 - Burntlog Route Upgrade
 - Groomed OSV Route
 - OHV Trail
 - Cell Tower Access Road
 - Burntlog Route Borrow Source
- Utilities**
- New Powerline
 - Upgraded Powerline
 - New Substation**
 - Existing Substation**
 - New Communication Tower
 - Existing Communication Tower
 - Cell Tower Option
- Offsite Locations**
- Midas Gold Offsite Facility
- Other Features**
- U.S. Forest Service
 - Wilderness
 - County
 - City/Town
 - Monumental Summit
 - Railroad
 - Highway
 - Road
 - Stream/River
 - Lake/Reservoir

* Project Components are associated with Alternative 1
 ** Substation locations are approximate
 Note: The McCall - Stibnite Road (CR 50-412) consists of Lick Creek Road, East Fork South Fork Salmon River Road (East Fork Road) and Stibnite Road.



Scenic Resources - Powerline Corridor Viewshed Analysis and Key Observation Points
Stibnite Gold Project
Stibnite, ID



Base Layer: USGS Shaded Relief Service
 Other Data Sources: Midas Gold; State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest

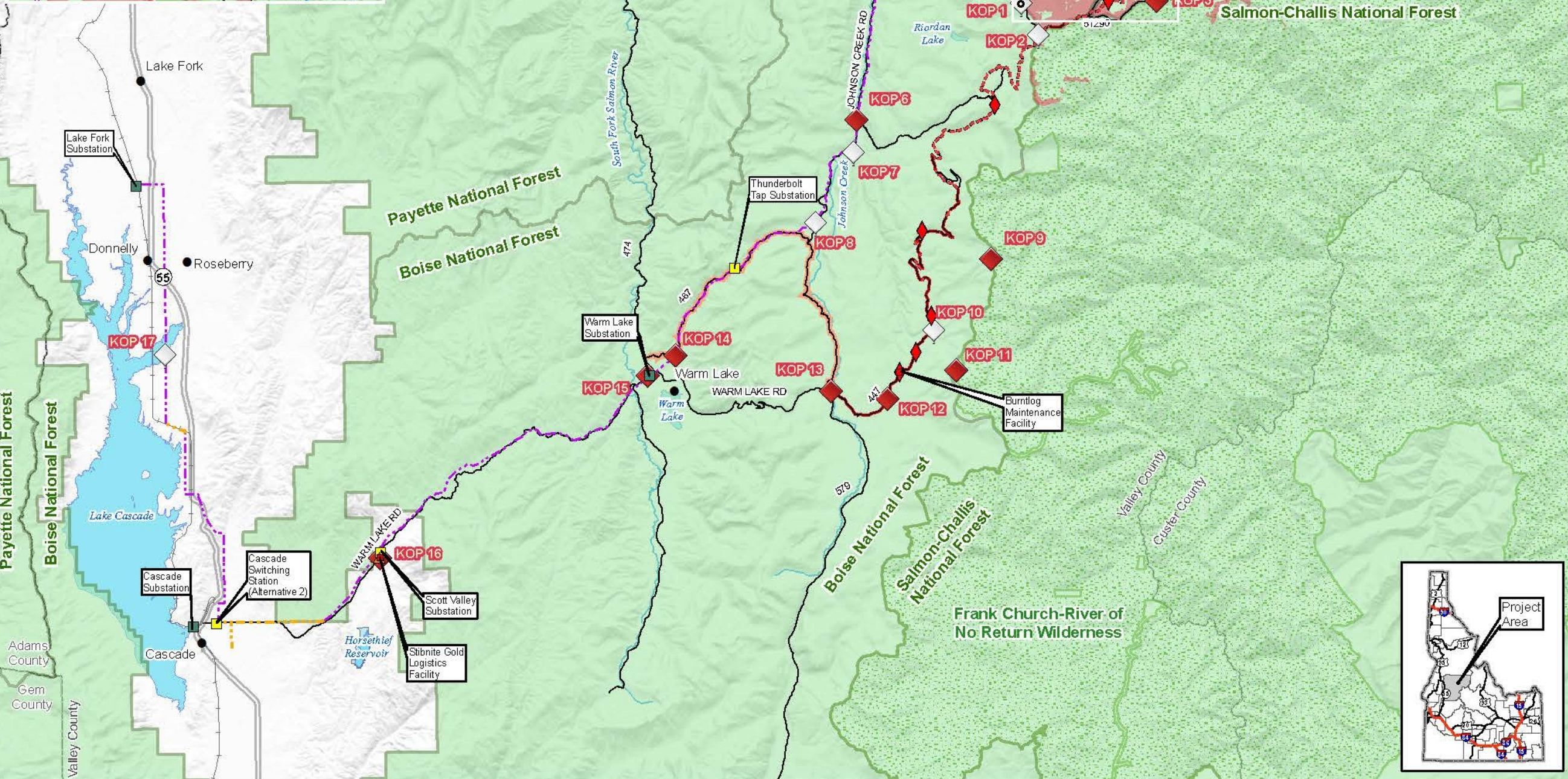
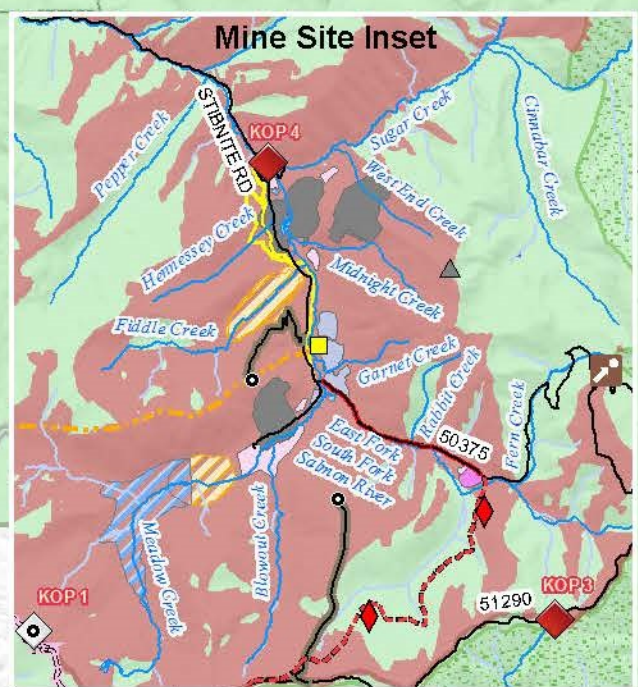
Map Date: 6/29/2020

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**Appendix O-3: Alternatives Viewshed Analyses and Key Observation
Points, Alternative 2**

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Document Path: M:\Denver_GIS\Projects\605395368_MidasGold\Stibnite\FIS\mxd\Visual\DEIS\Appendix\Relative Path\0-3\Fig0_31_A12_Viewshed_25mi_KOPs_MineSite_v11.mxd (Updated by: MS 6/29/2020)



LEGEND

- KOP
- KOP & Simulation
- Mine Site Viewshed (25 mi)

Project Components *

Mine Site

- Open Pit
- Ore Processing Facilities/ Mine Support Infrastructure
- Development Rock Storage Facility
- Growth Media Stockpile
- Worker Housing Facility

Access Roads and Trail System

- Burntlog Route New
- Burntlog Route Upgrade
- Groomed OSV Route
- OHV Trail
- Cell Tower Access Road
- Public Access Road
- Burntlog Route Borrow Source

Utilities

- New Powerline
- Upgraded Powerline
- New Substation**
- Existing Substation**
- New Communication Tower
- Existing Communication Tower
- Cell Tower Option

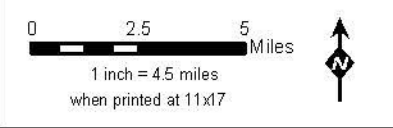
Offsite Facilities

- Midas Gold Offsite Facility

Other Features

- U.S. Forest Service
- Wilderness
- County
- City/Town
- Monumental Summit
- Railroad
- Highway
- Road
- Stream/River
- Lake/Reservoir

* Project Components are associated with Alternative 2
 ** Substation locations are approximate
 Note: The McCall - Stibnite Road (CR 50-412) consists of Lick Creek Road, East Fork South Fork Salmon River Road (East Fork Road) and Stibnite Road.



Scenic Resources - Mine Site: Alternative 2 Viewshed Analysis and Key Observation Points

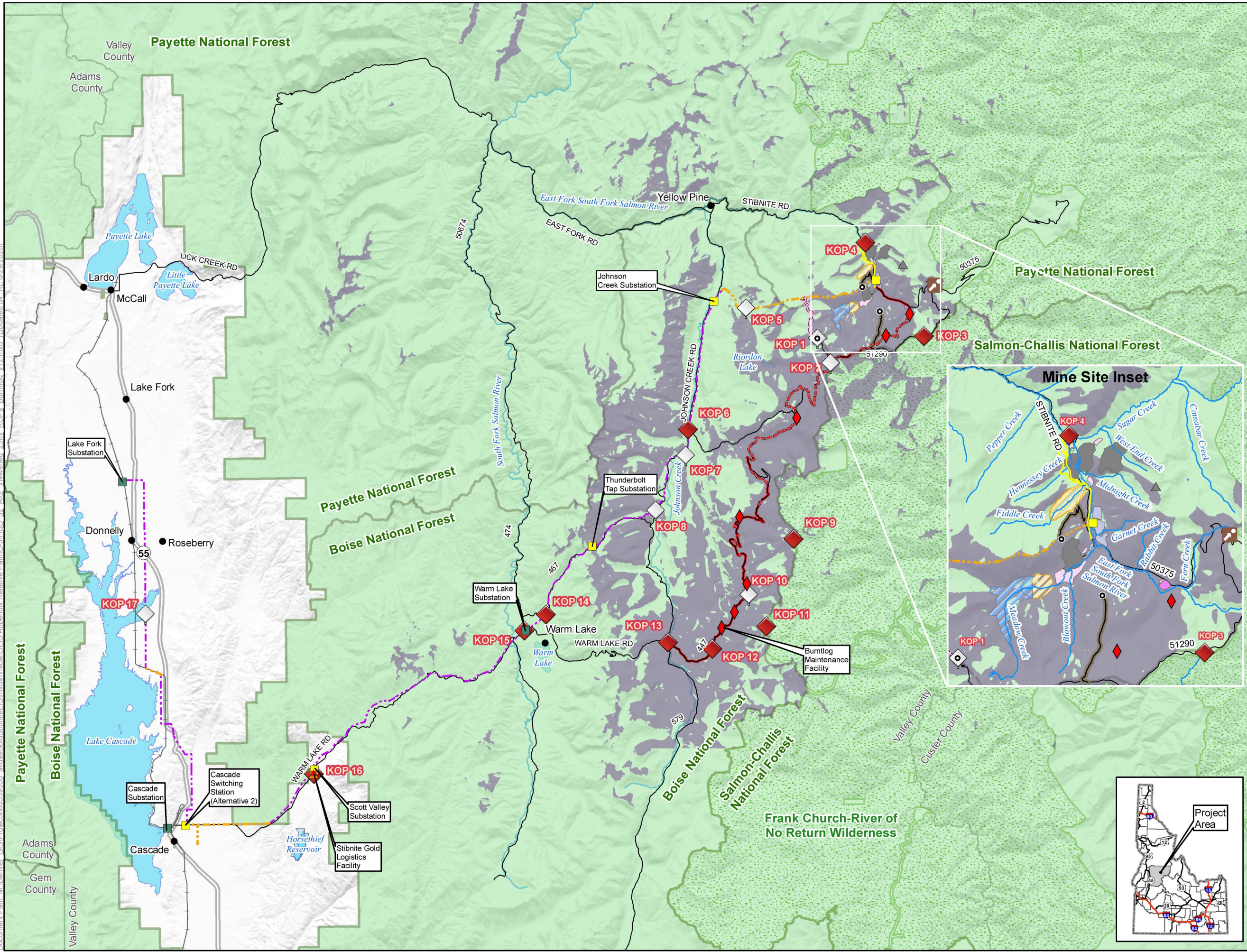
Stibnite Gold Project
Stibnite, ID

Base Layer: USGS The National Map: 3D Elevation Program, USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed January, 2020.
 Other Data Sources: Midas Gold; State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest

Project Area

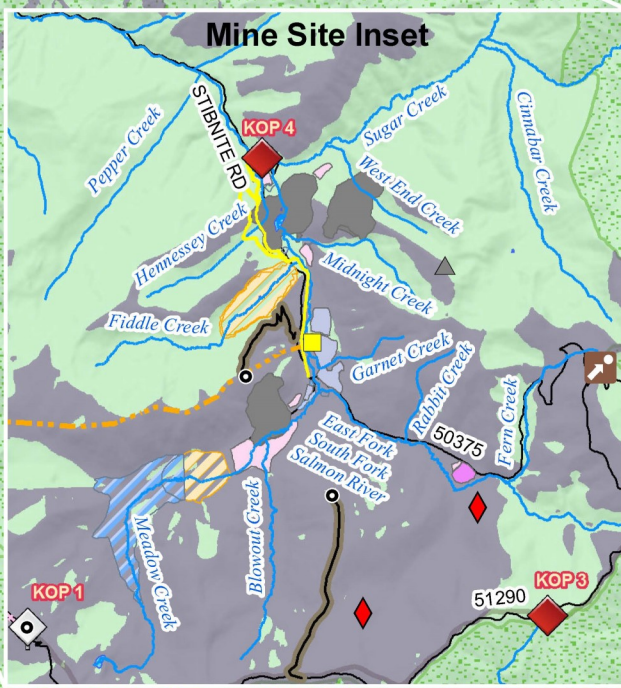
Map Date: 6/29/2020

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LEGEND

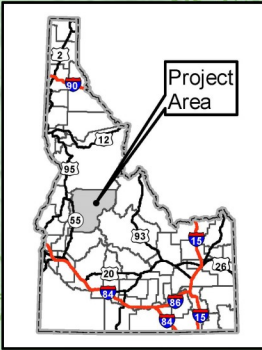
- KOP
- KOP & Simulation
- Burntlog Road Viewshed (25 mi)
- Project Components ***
- Mine Site**
 - Open Pit
 - Ore Processing Facilities/ Mine Support Infrastructure
 - Development Rock Storage Facility
 - Growth Media Stockpile
 - Worker Housing Facility
- Access Roads and Trail System**
 - Burntlog Route New
 - Burntlog Route Upgrade
 - Groomed OSV Route
 - OHV Trail
 - Cell Tower Access Road
 - Public Access Road
 - Burntlog Route Borrow Source
- Utilities**
 - New Powerline
 - Upgraded Powerline
 - New Substation**
 - Existing Substation**
 - New Communication Tower
 - Existing Communication Tower
 - Cell Tower Option
- Offsite Facilities**
 - Midas Gold Offsite Facility
- Other Features**
 - U.S. Forest Service
 - Wilderness
 - County
 - City/Town
 - Monumental Summit
 - Railroad
 - Highway
 - Road
 - Stream/River
 - Lake/Reservoir



* Project Components are associated with Alternative 2
 ** Substation locations are approximate
 Note: The McCall - Stibnite Road (CR 50-412) consists of Lick Creek Road, East Fork South Fork Salmon River Road (East Fork Road) and Stibnite Road.

0 2.5 5 Miles
 1 inch = 4.5 miles
 when printed at 11x17

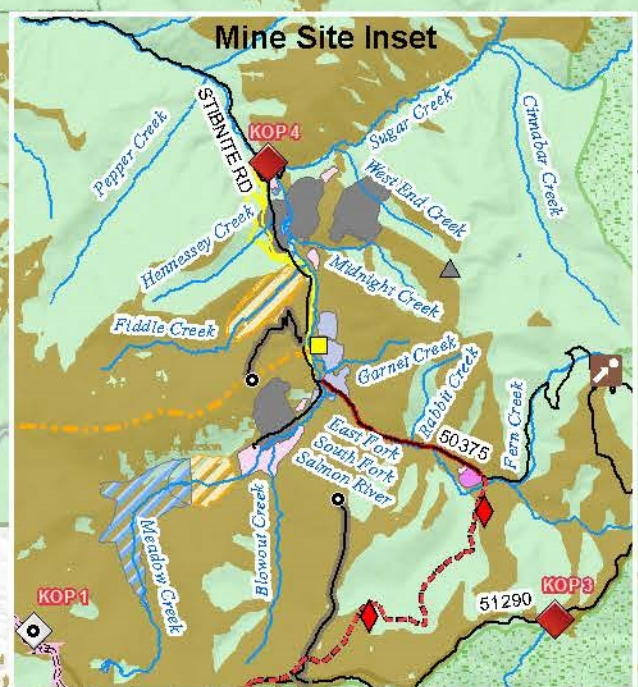
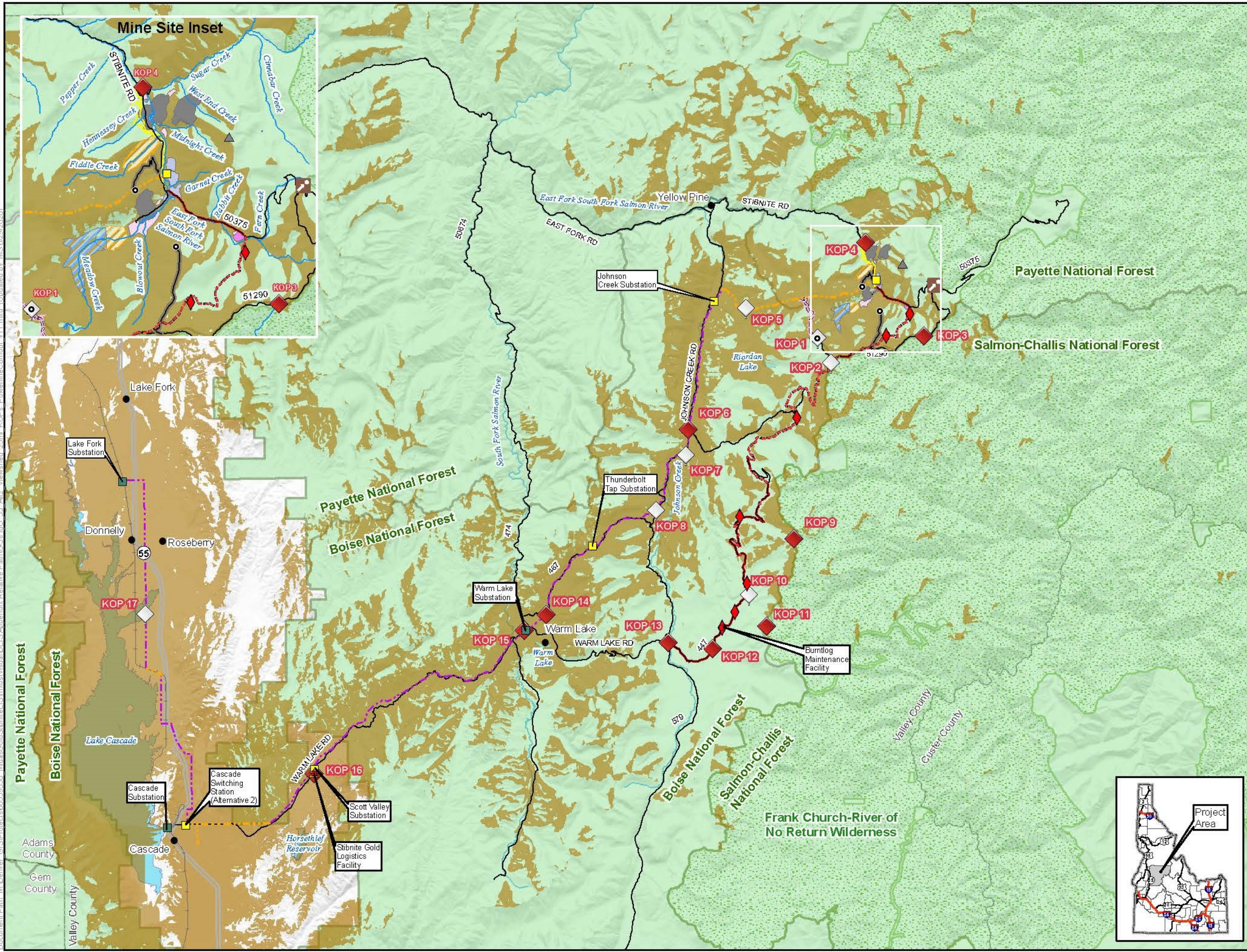
Scenic Resources - Alternative 2 Burntlog Road Viewshed Analysis and Key Observation Points Stibnite Gold Project Stibnite, ID



Base Layer: USGS Shaded Relief Service
 Other Data Sources: Midas Gold; State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest

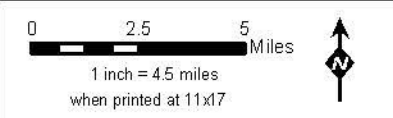
Map Date: 6/29/2020

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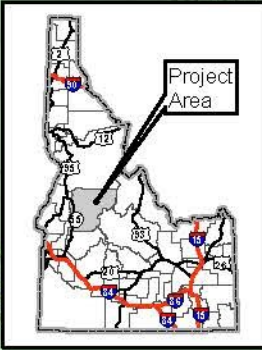


- LEGEND**
- ◆ KOP
 - ◆ KOP & Simulation
 - Transmission Line Viewshed (25 mi)
- Project Components ***
- Mine Site**
- Open Pit
 - Ore Processing Facilities/ Mine Support Infrastructure
 - Development Rock Storage Facility
 - Growth Media Stockpile
 - Worker Housing Facility
- Access Roads and Trail System**
- Burntlog Route New
 - Burntlog Route Upgrade
 - Groomed OSV Route
 - OHV Trail
 - Cell Tower Access Road
 - Public Access Road
 - ◆ Burntlog Route Borrow Source
- Utilities**
- New Powerline
 - Upgraded Powerline
 - New Substation**
 - Existing Substation**
 - ▲ New Communication Tower
 - ▲ Existing Communication Tower
 - Cell Tower Option
- Offsite Facilities**
- Midas Gold Offsite Facility
- Other Features**
- U.S. Forest Service
 - Wilderness
 - County
 - City/Town
 - ▲ Monumental Summit
 - Railroad
 - Highway
 - Road
 - Stream/River
 - Lake/Reservoir

* Project Components are associated with Alternative 2
 ** Substation locations are approximate
 Note: The McCall - Stibnite Road (CR 50-412) consists of Lick Creek Road, East Fork South Fork Salmon River Road (East Fork Road) and Stibnite Road.

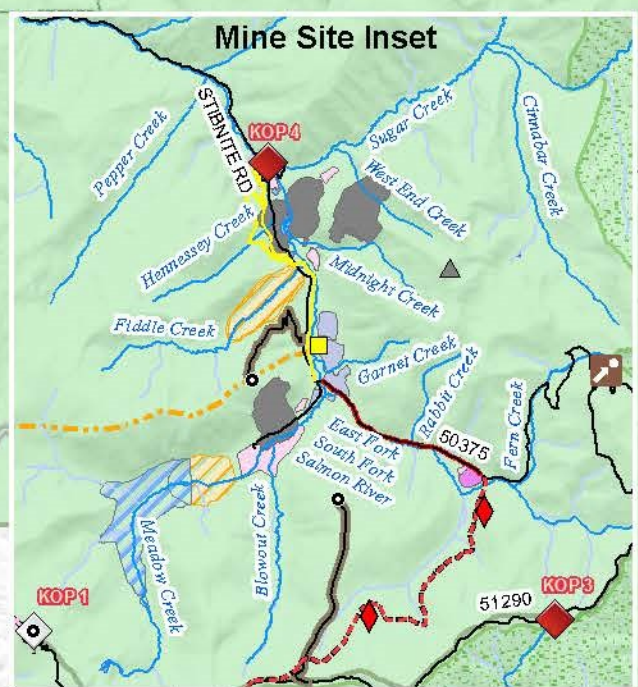
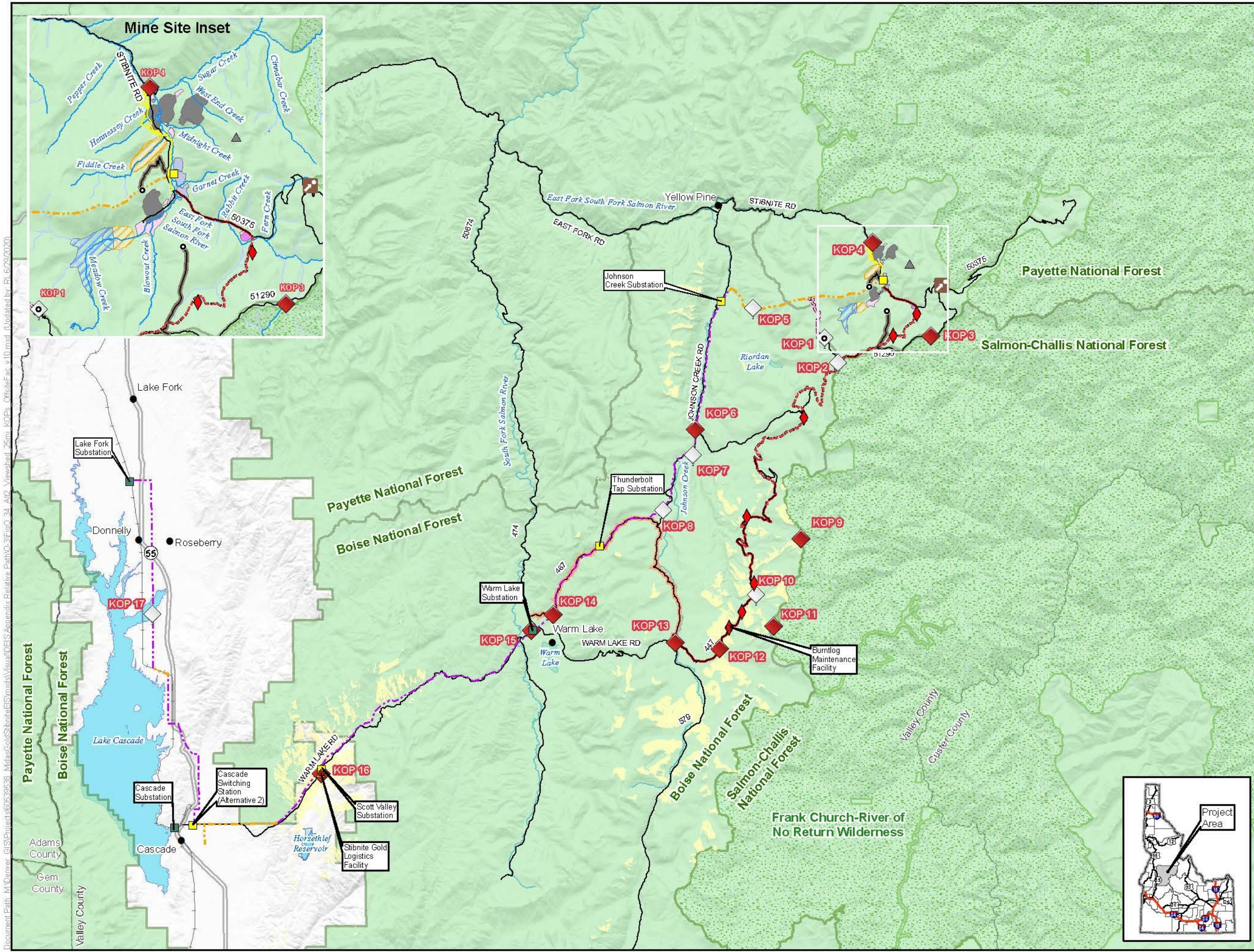


Scenic Resources - Powerline Corridor Alternative 2 Analysis and Key Observation Points Stibnite Gold Project Stibnite, ID



Base Layer: USGS The National Map: 3D Elevation Program - USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed January, 2020.
 Other Data Sources: Midas Gold; State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest

Map Date: 6/29/2020



LEGEND

- ◆ KOP
- KOP & Simulation
- Offsite Facilities Viewshed (25 mi)

Project Components *

Mine Site

- Open Pit
- Ore Processing Facilities/ Mine Support Infrastructure
- Development Rock Storage Facility
- Growth Media Stockpile
- Worker Housing Facility

Access Roads and Trail System

- Burntlog Route New
- Burntlog Route Upgrade
- Groomed OSV Route
- OHV Trail
- Cell Tower Access Road
- Public Access Road
- Burntlog Route
- Borrow Source

Utilities

- New Powerline
- Upgraded Powerline
- New Substation**
- Existing Substation**
- New Communication Tower
- Existing Communication Tower
- Cell Tower Option

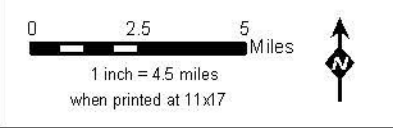
Offsite Facilities

- Midas Gold Offsite Facility

Other Features

- U.S. Forest Service
- Wilderness
- County
- City/Town
- Monumental Summit
- Railroad
- Highway
- Road
- Stream/River
- Lake/Reservoir

* Project Components are associated with Alternative 2
 ** Substation locations are approximate
 Note: The McCall - Stibnite Road (CR 50-412) consists of Lick Creek Road, East Fork South Fork Salmon River Road (East Fork Road) and Stibnite Road.



Scenic Resources - Offsite Facilities Alternative 2 Viewshed Analysis and Key Observation Points

Stibnite Gold Project Stibnite, ID

Base Layer: USGS The National Map: 3D Elevation Program. USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed January, 2020. Other Data Sources: Midas Gold; State of Idaho Geospatial Gateway (IN SIDE Idaho); Boise National Forest; Payette National Forest

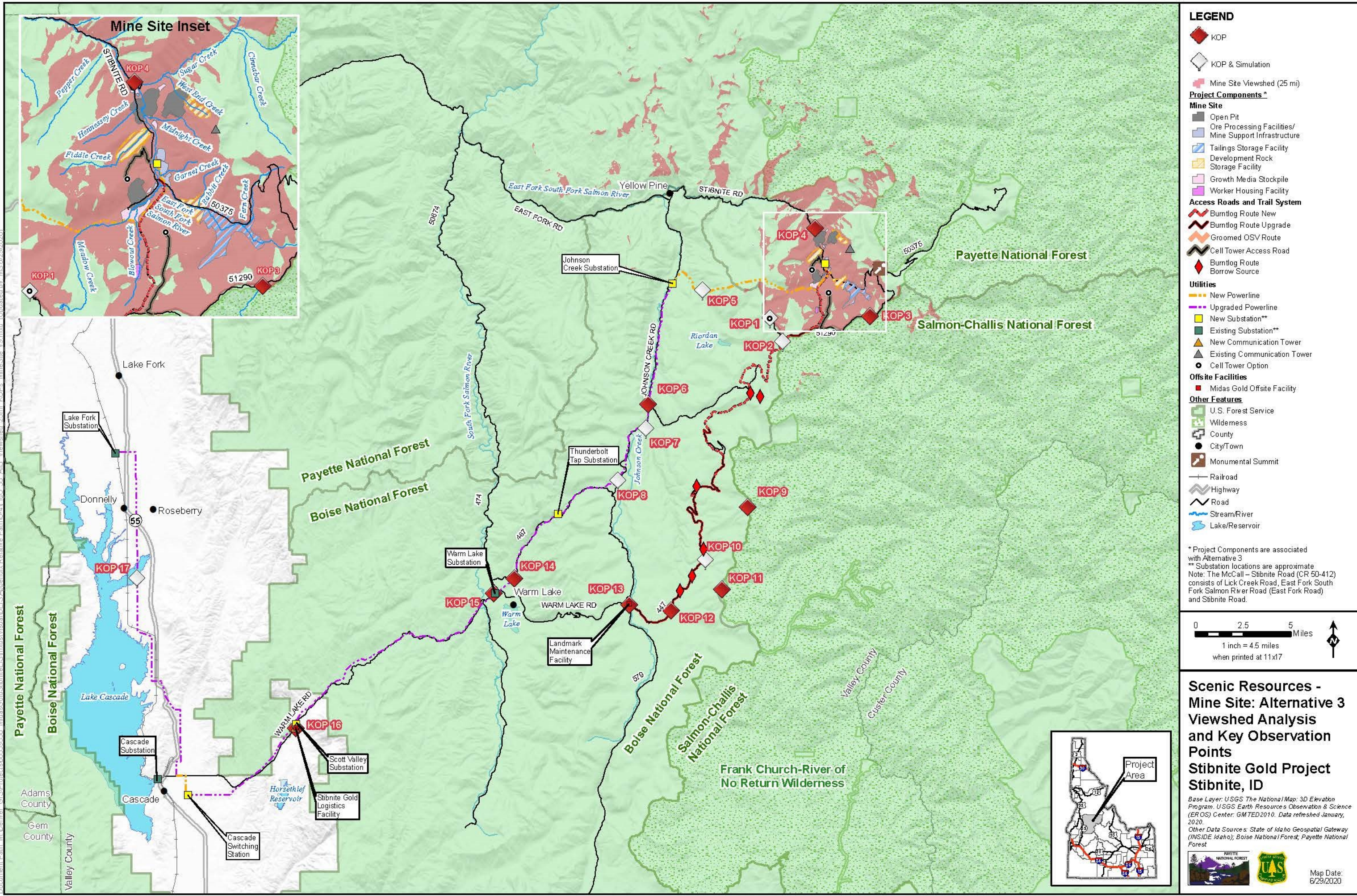
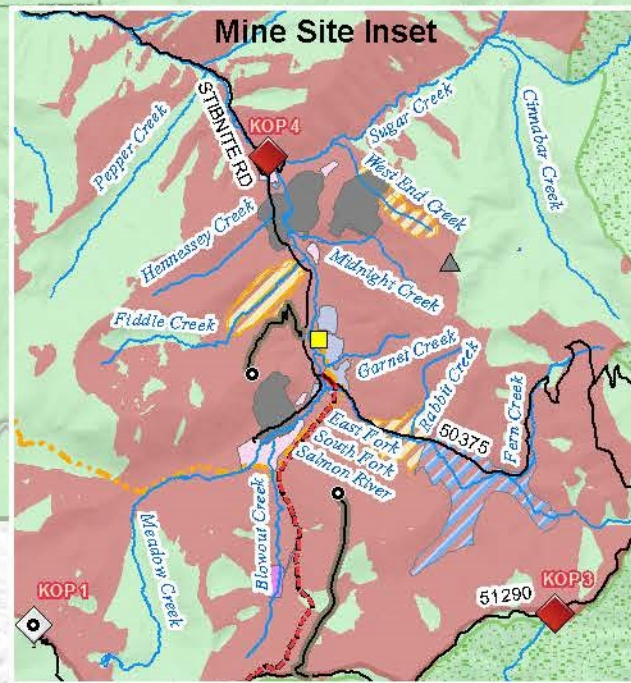
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**Appendix O-4: Alternatives Viewshed Analyses and Key Observation
Points, Alternative 3**

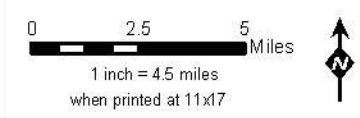
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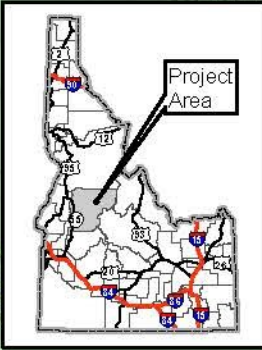
- LEGEND**
- KOP
 - KOP & Simulation
 - Mine Site Viewshed (25 mi)
- Project Components ***
- Mine Site**
- Open Pit
 - Ore Processing Facilities/ Mine Support Infrastructure
 - Tailings Storage Rock
 - Development Rock Storage Facility
 - Growth Media Stockpile
 - Worker Housing Facility
- Access Roads and Trail System**
- Burntlog Route New
 - Burntlog Route Upgrade
 - Groomed OSV Route
 - Cell Tower Access Road
 - Burntlog Route Borrow Source
- Utilities**
- New Powerline
 - Upgraded Powerline
 - New Substation**
 - Existing Substation**
 - New Communication Tower
 - Existing Communication Tower
 - Cell Tower Option
- Offsite Facilities**
- Midas Gold Offsite Facility
- Other Features**
- U.S. Forest Service
 - Wilderness
 - County
 - City/Town
 - Monumental Summit
 - Railroad
 - Highway
 - Road
 - Stream/River
 - Lake/Reservoir

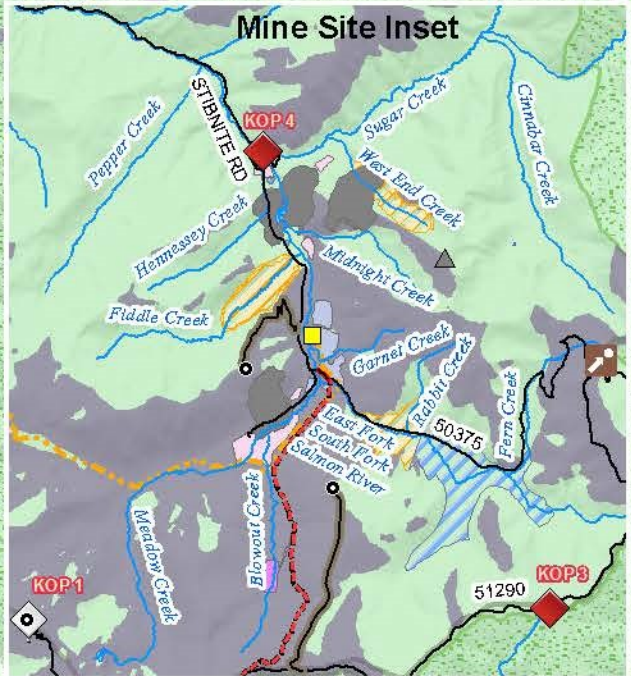
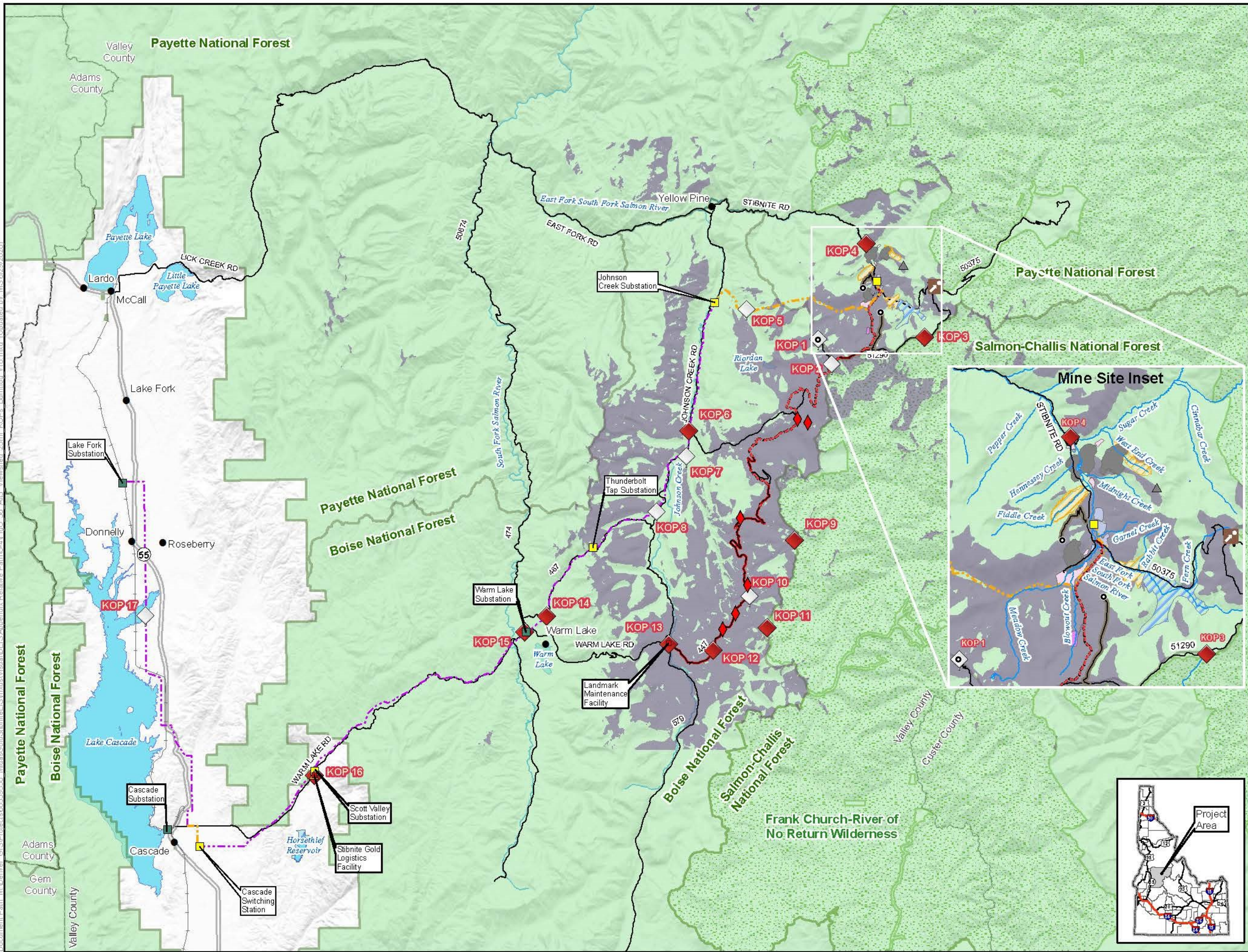
* Project Components are associated with Alternative 3
 ** Substation locations are approximate
 Note: The McCall - Stibnite Road (CR 50-412) consists of Lick Creek Road, East Fork South Fork Salmon River Road (East Fork Road) and Stibnite Road.



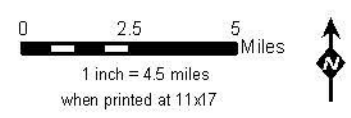
Scenic Resources - Mine Site: Alternative 3 Viewshed Analysis and Key Observation Points
Stibnite Gold Project
Stibnite, ID

Base Layer: USGS The National Map: 3D Elevation Program, USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed January, 2020.
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest



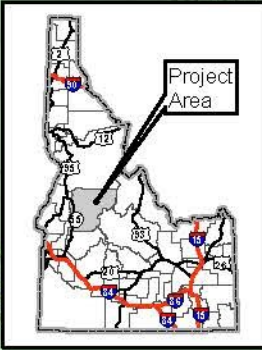


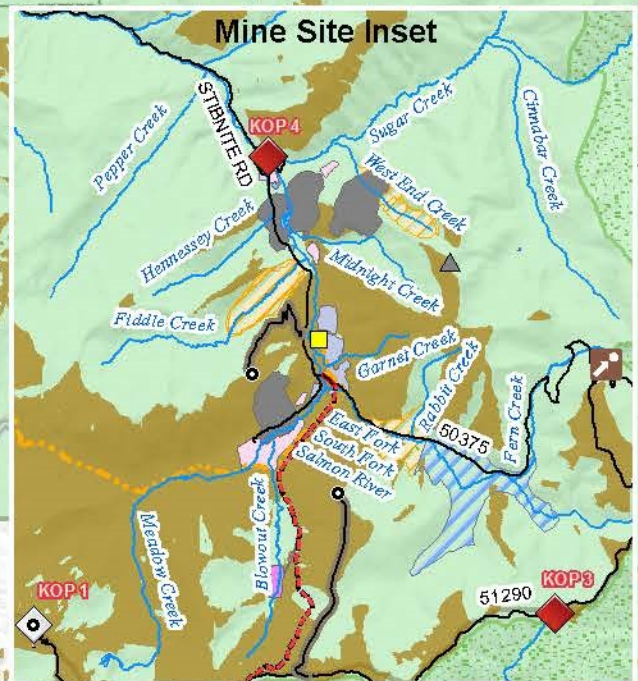
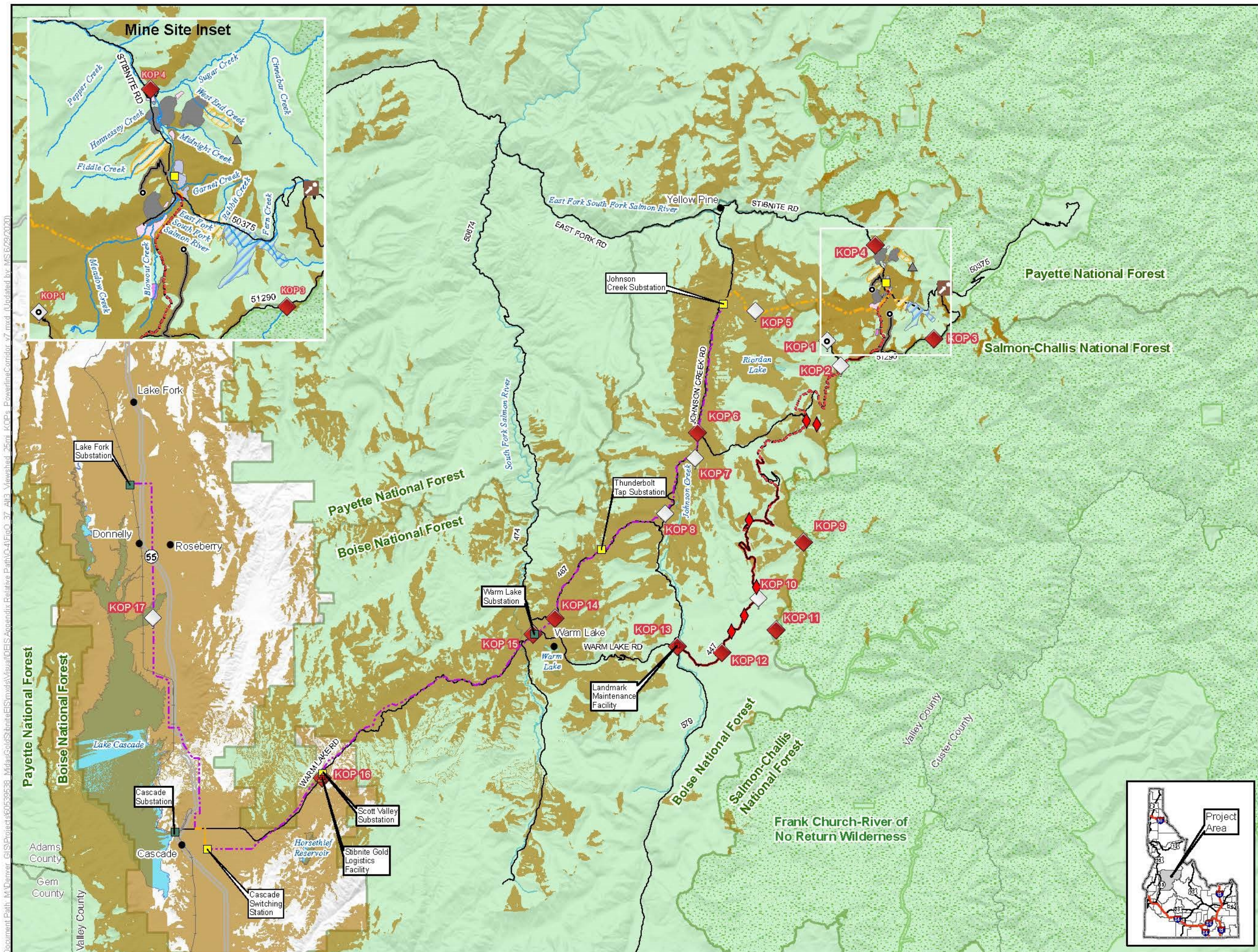
- LEGEND**
- KOP
 - KOP & Simulation
 - Burntlog Route Viewshed (25 mi)
- Project Components ***
- Mine Site**
- Open Pit
 - Ore Processing Facilities/ Mine Support Infrastructure
 - Tailings Storage Facility
 - Development Rock Storage Facility
 - Growth Media Stockpile
 - Worker Housing Facility
- Access Roads and Trail System**
- Burntlog Route New
 - Burntlog Route Upgrade
 - Groomed OSV Route
 - Cell Tower Access Road
 - Burntlog Route Borrow Source
- Utilities**
- New Powerline
 - Upgraded Powerline
 - New Substation**
 - Existing Substation**
 - New Communication Tower
 - Existing Communication Tower
 - Cell Tower Option
- Offsite Facilities**
- Midas Gold Offsite Facility
- Other Features**
- U.S. Forest Service
 - Wilderness
 - County
 - City/Town
 - Monumental Summit
 - Railroad
 - Highway
 - Road
 - Stream/River
 - Lake/Reservoir



Scenic Resources - Alternative 3 Burntlog Road Viewshed Analysis and Key Observation Points Stibnite Gold Project Stibnite, ID

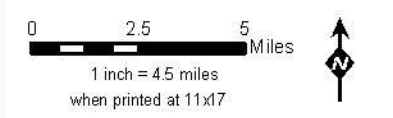
Base Layer: USGS The National Map: 3D Elevation Program; USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed January, 2020.
Other Data Sources: Midas Gold; State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest





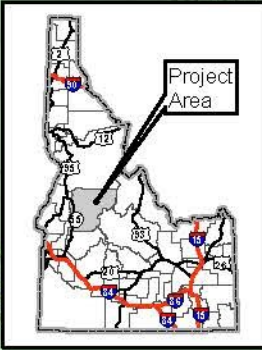
- LEGEND**
- KOP
 - KOP & Simulation
 - Transmission Line Viewshed (25 mi)
- Project Components ***
- Mine Site**
- Open Pit
 - Ore Processing Facilities/ Mine Support Infrastructure
 - Tailings Storage Facility
 - Development Rock Storage Facility
 - Growth Media Stockpile
 - Worker Housing Facility
- Access Roads and Trail System**
- Burntlog Route New
 - Burntlog Route Upgrade
 - Groomed OSV Route
 - Cell Tower Access Road
 - Burntlog Route Borrow Source
- Utilities**
- New Powerline
 - Upgraded Powerline
 - New Substation**
 - Existing Substation**
 - New Communication Tower
 - Existing Communication Tower
 - Cell Tower Option
- Offsite Facilities**
- Midas Gold Offsite Facility
- Other Features**
- U.S. Forest Service
 - Wilderness
 - County
 - City/Town
 - Monumental Summit
 - Railroad
 - Highway
 - Road
 - Stream/River
 - Lake/Reservoir

* Project Components are associated with Alternative 3
 ** Substation locations are approximate
 Note: The McCall - Stibnite Road (CR 50-412) consists of Lick Creek Road, East Fork South Fork Salmon River Road (East Fork Road) and Stibnite Road.



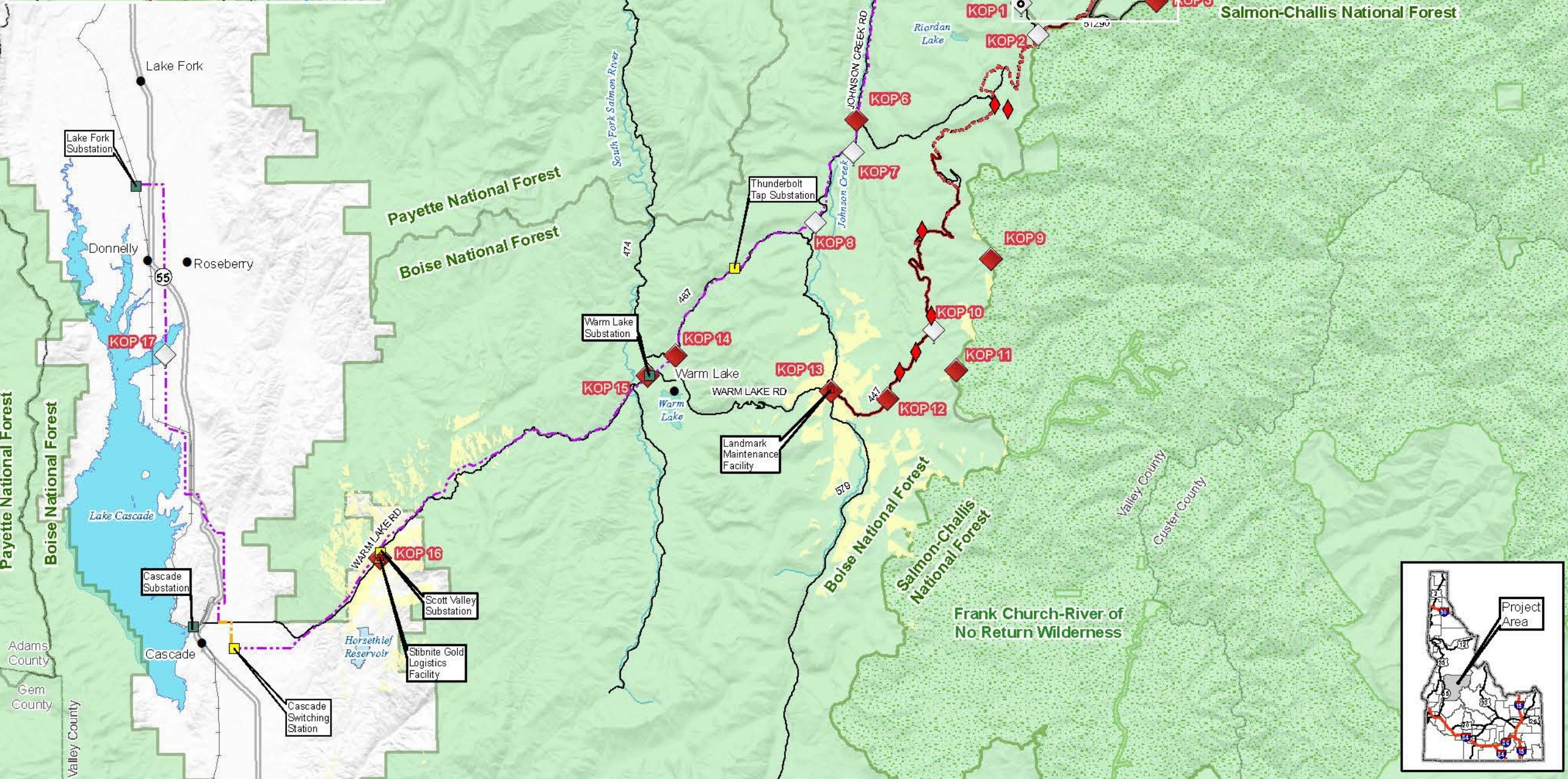
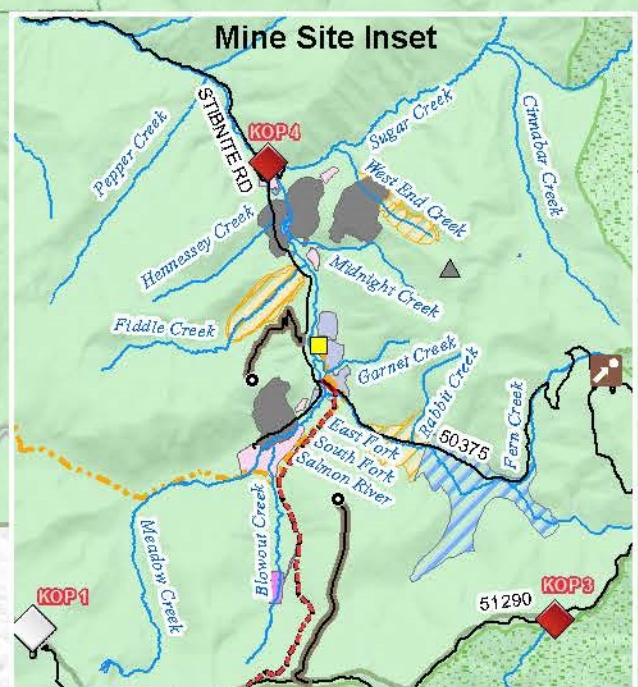
Scenic Resources - Powerline Corridor Alternative 3 Analysis and Key Observation Points Stibnite Gold Project Stibnite, ID

Base Layer: USGS The National Map: 3D Elevation Program, USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed January, 2020.
 Other Data Sources: Midas Gold; State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest



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LEGEND

- KOP
- KOP & Simulation
- Offsite Facilities Viewshed (25 mi)

Project Components *

Mine Site

- Open Pit
- Ore Processing Facilities/ Mine Support Infrastructure
- Tailings Storage Facility
- Development Rock Storage Facility
- Growth Media Stockpile
- Worker Housing Facility

Access Roads and Trail System

- Burntlog Route New
- Burntlog Route Upgrade
- Groomed OSV Route
- Cell Tower Access Road
- Burntlog Route Borrow Source

Utilities

- New Powerline
- Upgraded Powerline
- New Substation**
- Existing Substation**
- New Communication Tower
- Existing Communication Tower
- Cell Tower Option

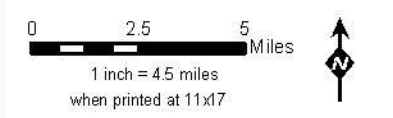
Offsite Facilities

- Midas Gold Offsite Facility

Other Features

- U.S. Forest Service
- Wilderness
- County
- City/Town
- Monumental Summit
- Railroad
- Highway
- Road
- Stream/River
- Lake/Reservoir

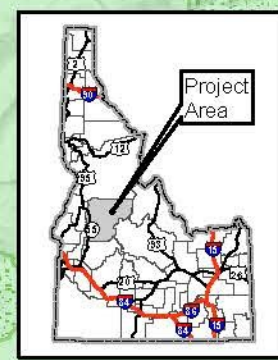
* Project Components are associated with Alternative 3
** Substation locations are approximate
Note: The McCall - Stibnite Road (CR 60-412) consists of Lick Creek Road, East Fork South Fork Salmon River Road (East Fork Road) and Stibnite Road.



Scenic Resources - Offsite Facilities Alternative 3 Viewshed Analysis and Key Observation Points Stibnite Gold Project Stibnite, ID

Base Layer: USGS The National Map: 3D Elevation Program; USGS Earth Resources Observation & Science (EROS) Center: GMTED 2010. Data refreshed January, 2020.
Other Data Sources: Midas Gold; State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest

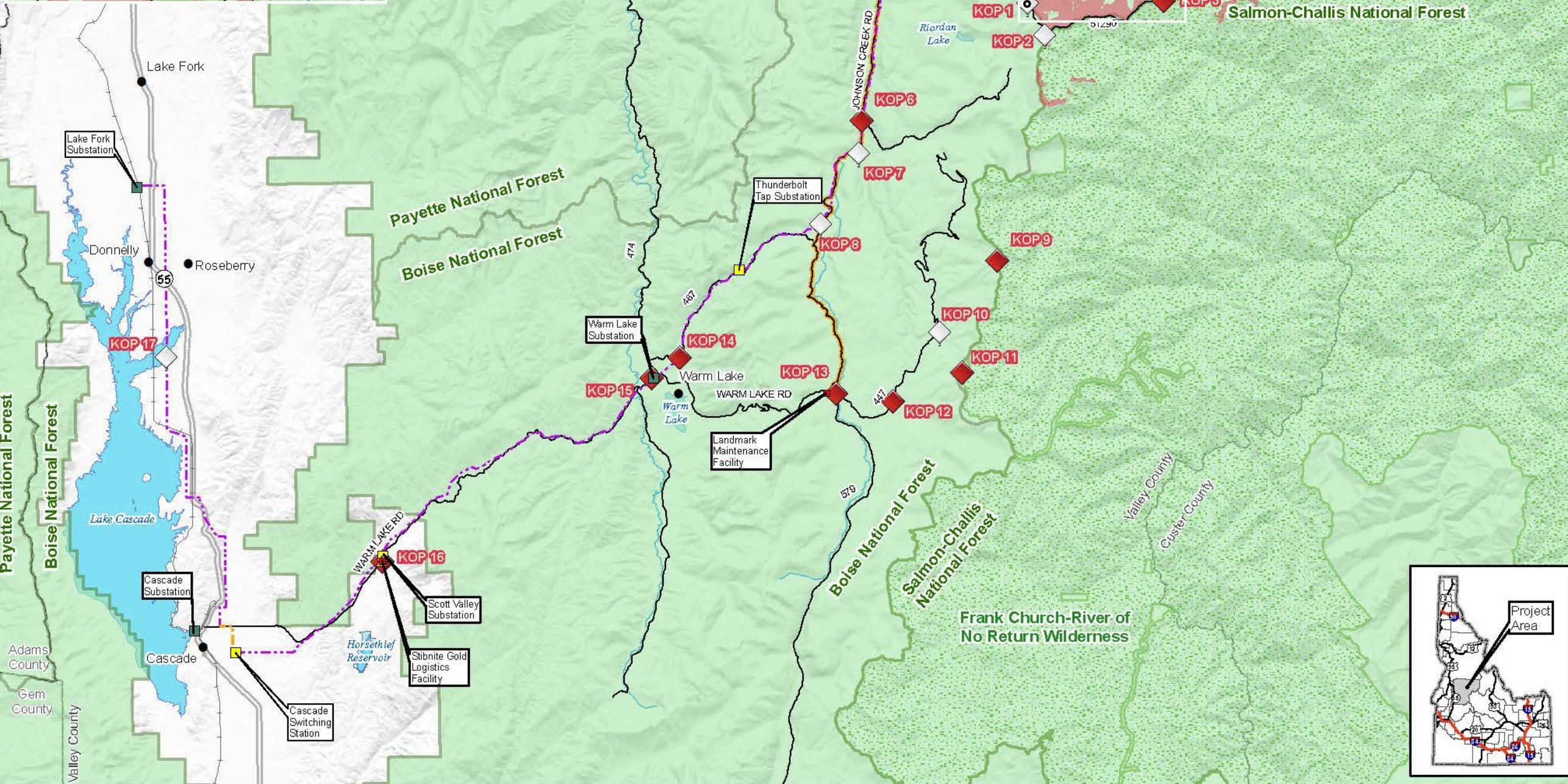
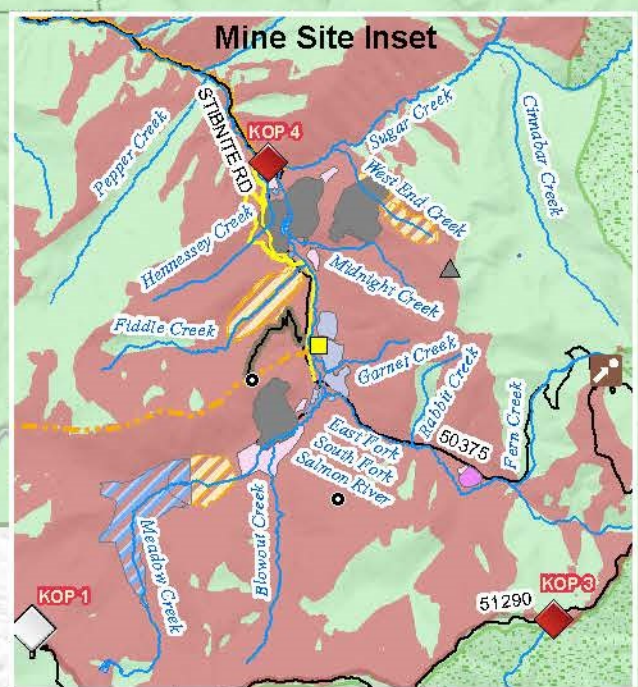
Map Date: 6/29/2020



**Appendix O-5: Alternatives Viewshed Analyses and Key Observation
Points, Alternative 4**

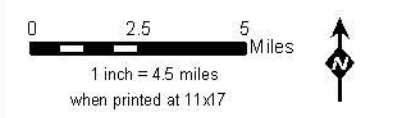
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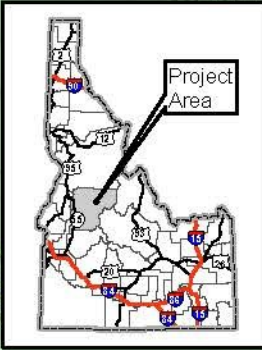
- LEGEND**
- ◆ KOP
 - KOP & Simulation
 - Mine Site Viewshed (25 mi)
- Project Components***
- Mine Site**
- Open Pit
 - Ore Processing Facilities/ Mine Support Infrastructure
 - Development Rock Storage Facility
 - Growth Media Stockpile
 - Worker Housing Facility
- Access Roads and Trail System**
- Groomed OSV Route
 - Cell Tower Access Road
 - Public Access Road
 - Yellow Pine Route
- Utilities**
- New Powerline
 - Upgraded Powerline
 - New Substation**
 - Existing Substation**
 - New Communication Tower
 - Existing Communication Tower
 - Cell Tower Option
- Offsite Facilities**
- Midas Gold Offsite Facility
- Other Features**
- U.S. Forest Service
 - Wilderness
 - County
 - City/Town
 - Monumental Summit
 - Railroad
 - Highway
 - Road
 - Stream/River
 - Lake/Reservoir

* Project Components are associated with Alternative 4
 ** Substation locations are approximate
 Note: The McCall - Stibnite Road (CR 50-412) consists of Lick Creek Road, East Fork South Fork Salmon River Road (East Fork Road) and Stibnite Road.

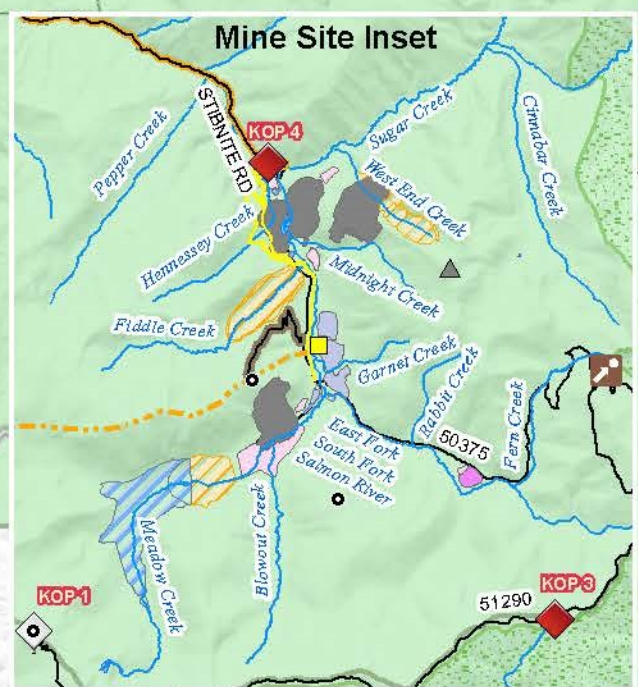
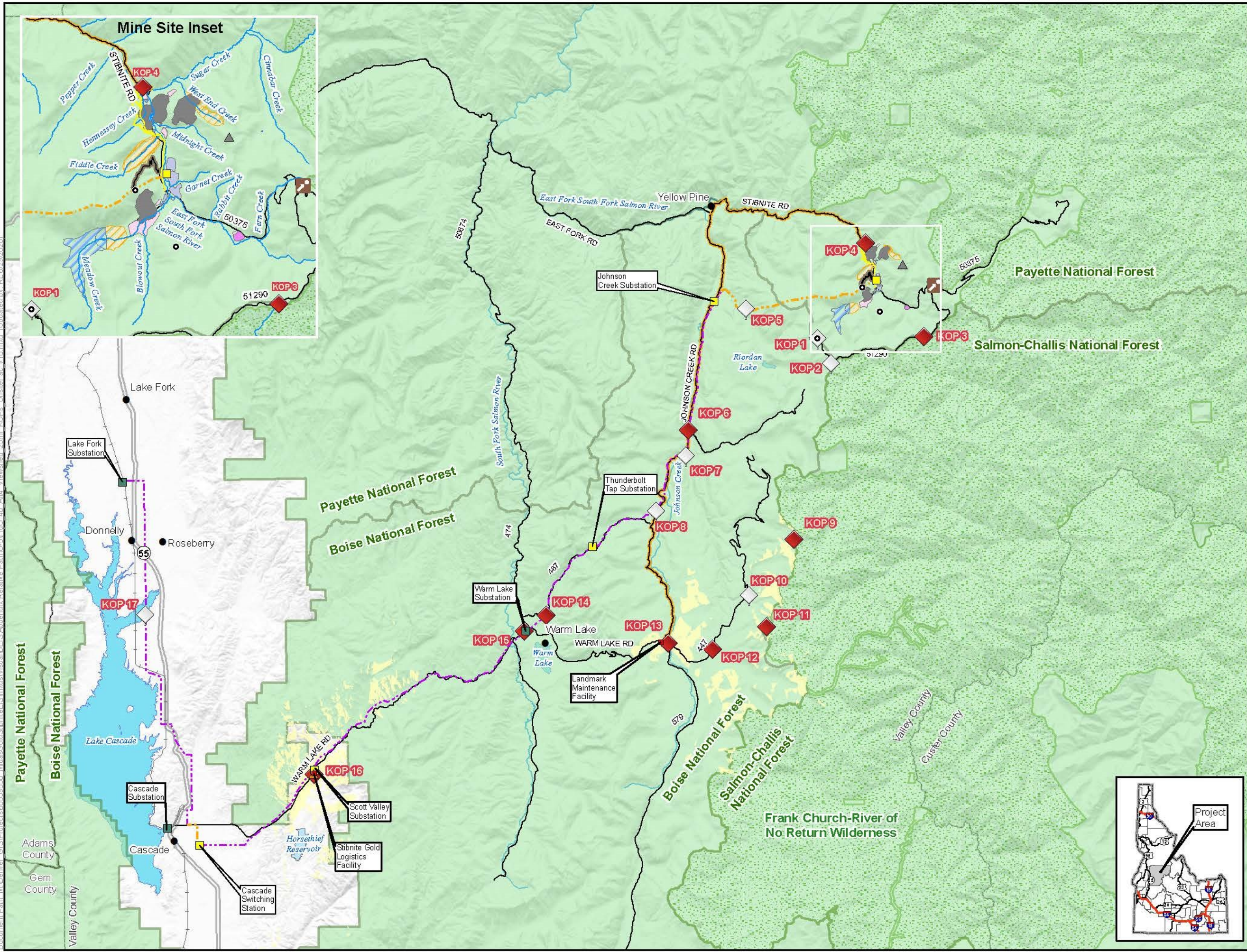


Scenic Resources - Mine Site: Alternative 4 Viewshed Analysis and Key Observation Points
Stibnite Gold Project
Stibnite, ID

Base Layer: USGS The National Map: 3D Elevation Program, USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed January, 2020.
 Other Data Sources: Midas Gold; State of Idaho Geo-spatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest



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LEGEND

- ◆ KOP
- ◆ KOP & Simulation
- Offsite Facilities Viewshed (25 mi)

Project Components *

Mine Site

- Open Pit
- Ore Processing Facilities/ Mine Support Infrastructure
- Development Rock Storage Facility
- Growth Media Stockpile
- Worker Housing Facility

Access Roads and Trail System

- Groomed OSV Route
- Cell Tower Access Road
- Public Access Road
- Yellow Pine Route

Utilities

- New Powerline
- Upgraded Powerline
- New Substation**
- Existing Substation**
- ▲ New Communication Tower
- ▲ Existing Communication Tower
- Cell Tower Option

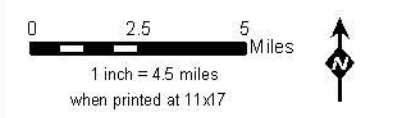
Offsite Facilities

- Midas Gold Offsite Facility

Other Features

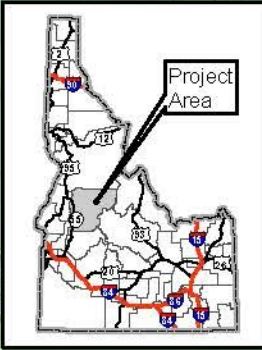
- U.S. Forest Service
- Wilderness
- County
- City/Town
- ▲ Monumental Summit
- Railroad
- Highway
- Road
- ~ Stream/River
- Lake/Reservoir

* Project Components are associated with Alternative 4
 ** Substation locations are approximate
 Note: The McCall - Stibnite Road (CR 50-412) consists of Lick Creek Road, East Fork South Fork Salmon River Road (East Fork Road) and Stibnite Road.



Scenic Resources - Offsite Facilities Alternative 4 Viewshed Analysis and Key Observation Points Stibnite Gold Project Stibnite, ID

Base Layer: USGS The National Map: 3D Elevation Program; USGS Earth Resources Observation & Science (EROS) Center: GMTED 2010. Data refreshed January, 2020.
 Other Data Sources: Midas Gold; State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette



Appendix O-6: Consistency with Visual Quality Objectives

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APPENDIX O-6

Consistency with Visual Quality Objectives

The existing visual quality objectives (VQOs) within the Payette National Forest (PNF) and Boise National Forest (BNF) were reviewed where Stibnite Gold Project (SGP) components are proposed under each action alternative. The SGP component (mine site, access roads, transmission line ROW, or off-site maintenance facilities) were reviewed against the existing VQO to determine whether the SGP would conform to that VQO. This analysis was based on the following general assumptions:

The mine site would not be consistent with the Preservation, Retention, or Partial Retention VQO but would be consistent with the Modification or Maximum Modification VQO.

New or improved roads would not be consistent with the Preservation or Retention VQO but would be consistent with the Partial Retention, Modification, or Maximum Modification VQO, with the exception of where new soil nail walls would be constructed.

Soil nail walls would not be consistent with the Preservation, Retention, or Partial Retention VQO but would be consistent with the Modification or Maximum Modification VQO.

New or upgraded transmission line ROWs would not be consistent with the Preservation, Retention, or Partial Retention VQO but would be consistent with the Modification or Maximum Modification VQO.

Maintenance facilities would not be consistent with the Preservation or Retention VQO but would be consistent with the Partial Retention, Modification, or Maximum Modification VQO.

Analysis of the Mine Site

Under all action alternatives, the mine site would be located in areas managed as a VQO of Retention or Partial Retention. Where visible from viewing platforms, the mine site would not meet either of these VQOs, as the mine site components would introduce form, line, color, and texture found infrequently or not at all in the characteristic landscape, and, to a degree, that would dominate the characteristic landscape. These effects could be visible from the following viewing platforms: McCall-Stibnite Road (National Forest System Road [FR] 50412), Kootenai Road (FR 50883), and the Meadow Creek Lookout.

Analysis of New and Improved Access Roads

Under Alternatives 1, 2, and 3, new construction associated with Burntlog Route would cross areas managed as Retention, Partial Retention, and Modification VQOs. With the exception of the soil nail walls under Alternatives 1 and 2, access roads would generally conform to the Partial Retention and Modification VQO. Although new and upgraded portions of the access roads could introduce strong visual contrast in some areas, it typically would be limited to the

immediate foreground as viewed from the road introducing the contrast and would appear subordinate from other viewing platforms. New access roads would not be consistent with the Retention VQO as it would introduce new lines, colors, and textures that would be evident.

Under Alternative 4, the access road would cross an area managed as Partial Retention and road upgrades would cross areas managed as Retention and Partial Retention. With the exception of the retaining walls, access roads would generally conform to the Partial Retention VQO. Although new and upgraded portions of the access roads could introduce strong visual contrast in some areas, it typically would be limited to the immediate foreground as viewed from the road introducing the contrast and would appear subordinate from other viewing platforms.

Analysis of New and Improved Transmission Line ROWs

Under all action alternatives, a new transmission would cross areas managed as Retention and Partial Retention, and an upgraded transmission line would cross areas managed as Preservation, Retention, and Partial Retention. Generally, new and upgraded transmission lines would not meet the Preservation, Retention, or Partial Retention VQO but would meet the Modification VQO. The line, color, form, and texture of the ROW would visually dominate the landscape but would not be out of scale with the natural surroundings. These effects would be visible from the following viewer platforms in the foreground and middle ground distance zones: Johnson Creek Road, Burntlog Route (new segment), and the Meadow Creek Lookout.

Analysis of Off-site Maintenance Facilities

Under Alternatives 1, 3, and 4, the Landmark Maintenance facility would be located in an area managed as Partial Retention. Under Alternative 2, the Burntlog Maintenance facility also would be located in an area managed as Partial Retention. Under all action alternatives, the proposed maintenance facility would meet the Partial Retention VQO, as the building would be constructed using materials and colors that appear in the characteristic landscape. Additionally, due to surrounding vegetation these facilities would typically not be visible past the foreground distance zone.

Summary

The SGP would have effects on the scenery resources within the PNF and BNF and would conflict with the current forest plan VQO designations. Portions of the SGP crossing NFS lands managed as Retention require that activities be “not visually evident.” Portions of the SGP crossing NFS lands managed as Partial Retention require that activities be “visually subordinate” to the characteristic landscape. Implementation of the SGP could require changing some areas designated Retention and Partial Retention to the Modification VQO category.

Tables 1a and **1b** summarize acres of each SGP component described above that could result in the need for a change in the VQO designation in order to achieve consistency with the Payette National Forest Land and Resource Management Plan (Payette Forest Plan) (Forest Service 2003).

Table 1a SGP Components in Retention VQO in the PNF

Acres of SGP Component in the Retention VQO	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Mine site	621.6	621.6	461.3	621.6
New or improved roads	55.4	55.3	16.8	11.0
New or upgraded powerline ROW	33.3	33.3	37.3	33.3

Table 1b: SGP Components in Partial Retention VQO in the PNF

Acres of SGP Component in the <u>Partial Retention VQO</u>	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Mine site	1,277.3	1,185.2	1,542.0	1,298.7
Acres associated with soil nail walls or retaining walls for road work	26.1	41.4	7.1	26.5
New or upgraded powerline ROW	31.3	31.3	42.0	31.3

Tables 2a, 2b, and 2c summarize acres of each SGP component described above that could result in the need for a change in the VQO designation in order to achieve consistency with the Boise National Forest Land and Resource Management Plan (Boise Forest Plan) (Forest Service 2010).

Table 2a SGP Components in Preservation VQO in the BNF

Acres of SGP Component in the <u>Preservation VQO</u>	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Mine site	0	0	5.1	0
New or improved roads	12.1	12.1	0	0
New or upgraded powerline ROW	5.1	5.1	0	5.1

Table 2b SGP Components in Retention VQO in the BNF

Acres of SGP Component in the <u>Retention VQO</u>	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Mine site	0	0	74.8	0
New or improved roads	10.2	25.1	9.2	9.2
New or upgraded powerline ROW	74.8	77.0	0	74.8

Table 2c SGP Components in Partial Retention VQO in the BNF

Acres of SGP Component in the <u>Partial Retention VQO</u>	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Mine site	0	0	83.2	0
Acres associated with soil nail walls or retaining walls for road work	193.7	165.0	32.5	32.5
New or upgraded powerline ROW	83.2	88.6	0	83.2

Table 3 summarizes the acres of the SGP that would be inconsistent with VQO designations per the Payette Forest Plan and Boise Forest Plan, as informed by the tables above. It presents the total acres for Retention and Partial Retention that would need to be changed to Modification by alternative in order to achieve Forest Plan consistency.

Table 3 Consistency with Scenery Management Designations by Forest and Alternative (acres)

Management Area/VQO	Alternative 1	Alternative 2	Alternative 3	Alternative 4
PNF Acres to be changed from Retention to Partial Retention ¹	55.4	55.3	16.8	11.0
PNF Acres to be changed from Retention to Modification ²	654.9	654.9	498.6	654.9
PNF Acres to be change from Partial Retention to Modification ²	1,334.7	1,257.8	1,591.1	1,356.5
BNF Acres to be changed from Preservation to Partial Retention ¹	12.1	12.1	0	0

Management Area/VQO	Alternative 1	Alternative 2	Alternative 3	Alternative 4
BNF Acres to be changed from Preservation to Modification ²	5.1	5.1	5.1	5.1
BNF Acres to be changed from Retention to Partial Retention ¹	10.2	25.1	9.2	9.2
BNF Acres to be changed from Retention to Modification ²	74.8	77.0	74.8	74.8
BNF Acres to be changed from Partial Retention to Modification ²	276.9	253.7	115.6	115.6

Table Notes:

- 1 Areas where new or improved roads are proposed would meet the Partial Retention VQO.
- 2 Areas where soil nail walls, new or upgraded transmission lines, and the mine site as proposed would meet the Modification VQO.

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