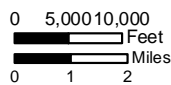


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**Explanation**

- Permit Area
- Existing Road

Projection: UTM Zone 11 North, NAD83, meters



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**GRASSY MOUNTAIN PROJECT**

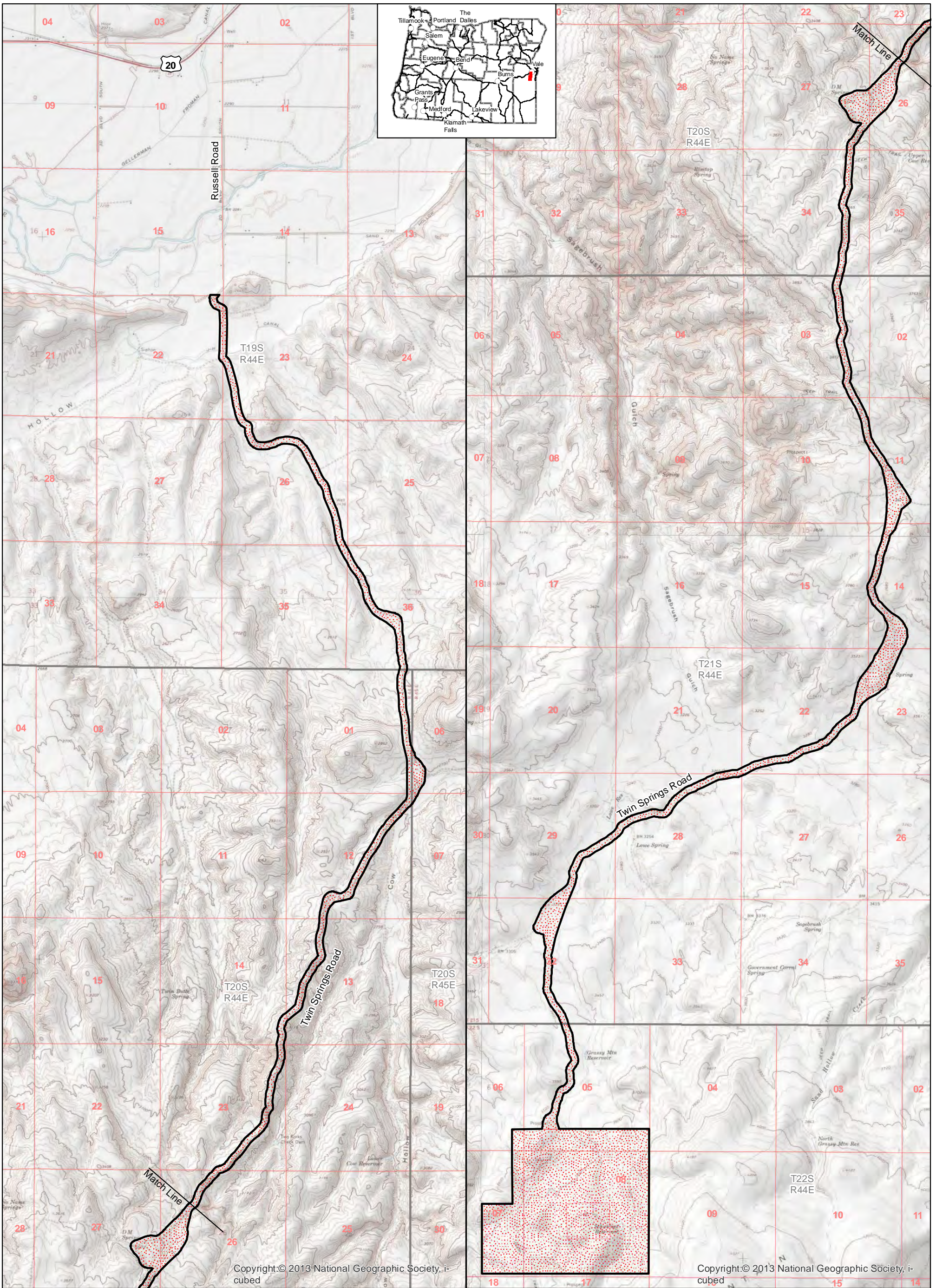
**Location Map**

Figure 1

Date: 09/18/2017	Drawn By: JDB
Revised:	Project No. 3672
Base Map: USGS 100K quads: Boise, Brogan, Vale, Weiser	
File Name: 3672G_GrassyMtn_1709_Fig01_Location.mxd	





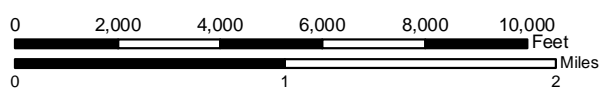


**Explanation**  
 [Black Outline] Permit Area  
 [Red Dotted Area] Soils Study Area

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**GRASSY MOUNTAIN PROJECT**  
 Soils Study Area and Permit Area

Figure 4

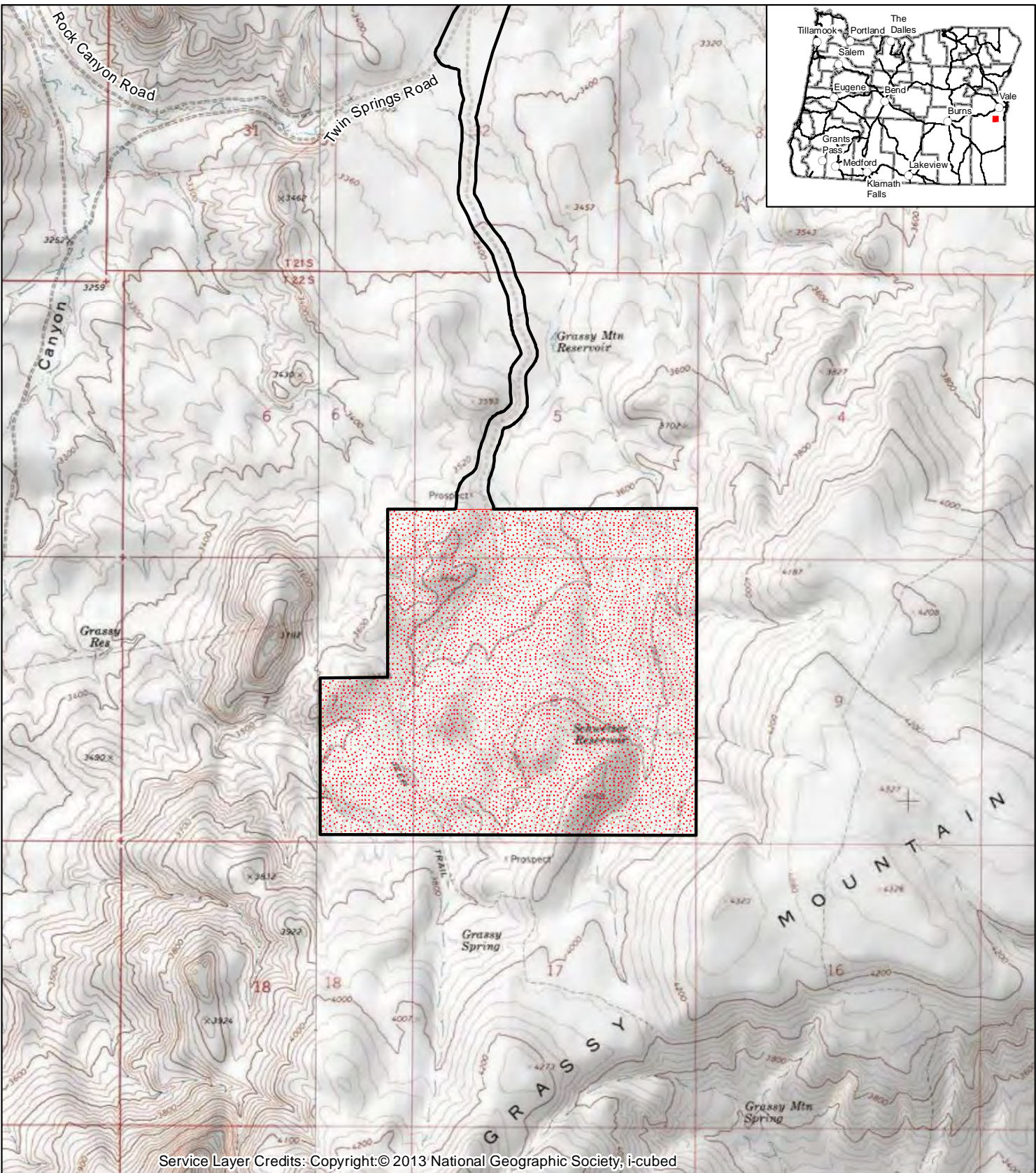
Projection: UTM Zone 11 North, NAD83, meters




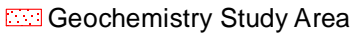
Date: 09/21/2017	Drawn By: JDB
Revised:	Project No: 3672
Base Map: USGS 7.5' quad: 1709N West 02N, Grassy Mountain, Kalm Spring catch, Sourdough Spring, Vale West	
File Name: 3672G_GrassyMtn_1709_Fig04_Soil.mxd	







**Explanation**

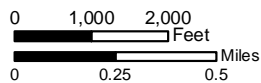
-  Permit Area
-  Geochemistry Study Area

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GRASSY MOUNTAIN PROJECT

Geochemistry Study Area

Projection: UTM Zone 11 North, NAD83, meters

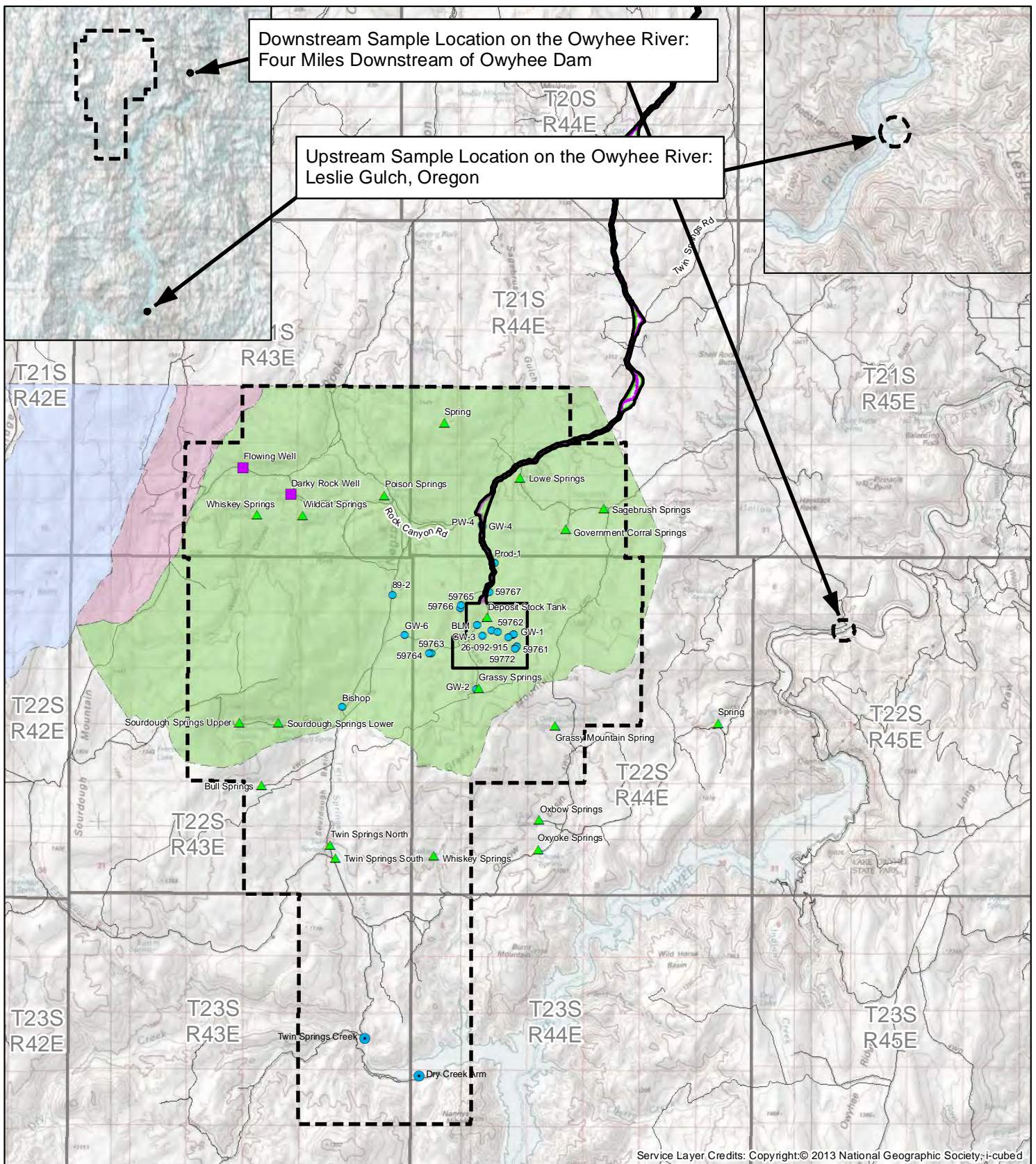


Date: 08/21/2017	Drawn By: JDB
Revised:	Project No: 3672
Base Map: USGS 7.5' quads: Grassy Mountain, Sourbough Spring	
File Name: 3672G_GrassyMtn_1709_Fig06_GeoChem.mxd	



Figure 6

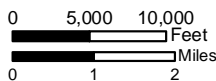




Service Layer Credits: Copyright: © 2013 National Geographic Society; i-cubed

**Explanation**

- Permit Area
- Proposed Access Road
- Proposed Road Realignment
- Existing Road
- Water Resources Study Area
- Grassy Mtn Monitoring Wells
- ▲ Grassy Mtn Area Springs
- Flowing Wells
- Surface Water Site
- Sourdough Basin/Rock Canyon
- Snow Basin
- Hoodoo Basin



Projection: UTM Zone 11 North, NAD83, meters



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**GRASSY MOUNTAIN PROJECT**

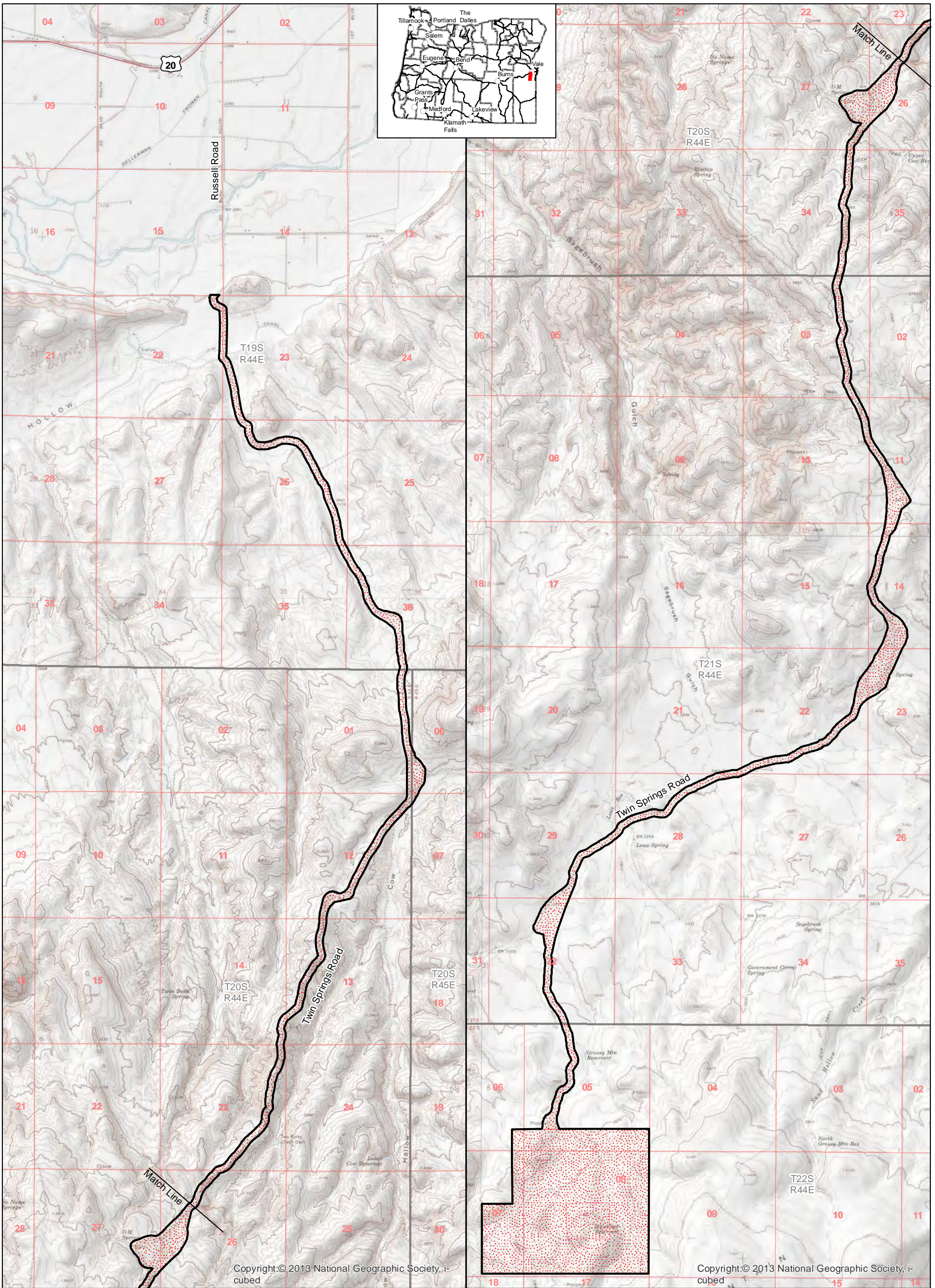
**Water Resources Study Area**

Figure 9

Date: 09/21/2017	Drawn By: JDB
Revised:	Project No: 3672
Base Map: USGS 7.5' quads: Grassy Mountain, Sourdough Spring	
File Name: 3672G_GrassyMtn_1709_Fig09_WaterResources.mxd	







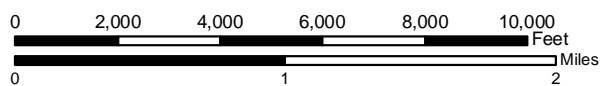
**Explanation**

- Permit Area
- Terrestrial Vegetation Study Area

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**GRASSY MOUNTAIN PROJECT**  
 Terrestrial Vegetation Study Area  
 and Permit Area

Figure 13

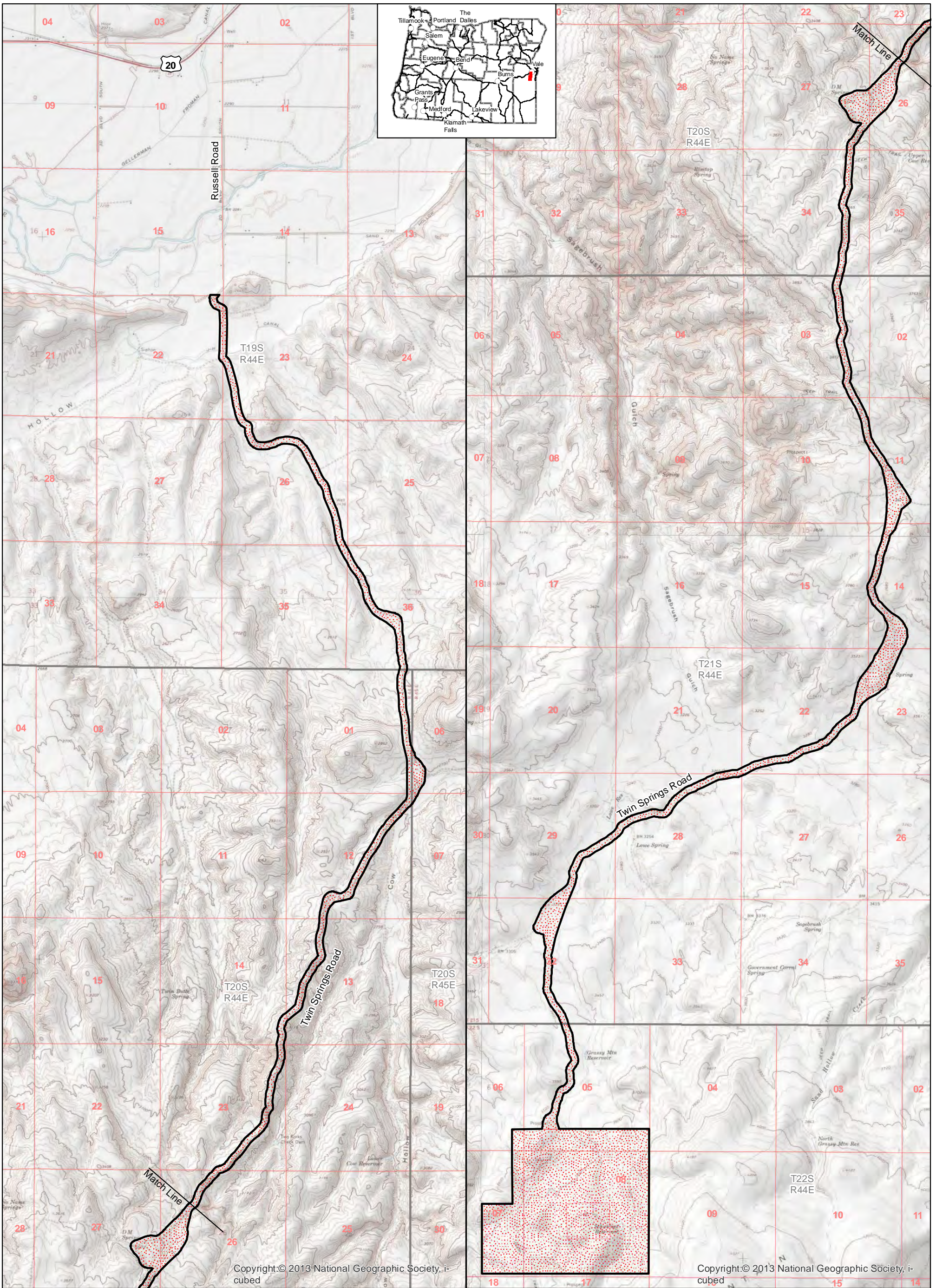
Projection: UTM Zone 11 North, NAD83, meters



Date:	09/21/2017	Drawn By:	JDB
Revised:		Project No.:	3672
Base Map:	USGS 7.5' quad: 10048 West 02N, Grassy Mountain, Kalmi Spring Ranch, Sourdough Spring, Vale West		
File Name:	3672G_GrassyMtn_1709_Fig13_Terrestrial.mxd		



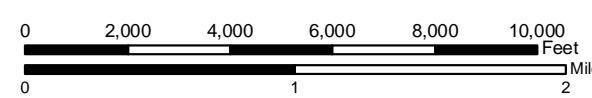




**Explanation**

- Permit Area
- Wetland Study Area

Projection: UTM Zone 11 North, NAD83, meters



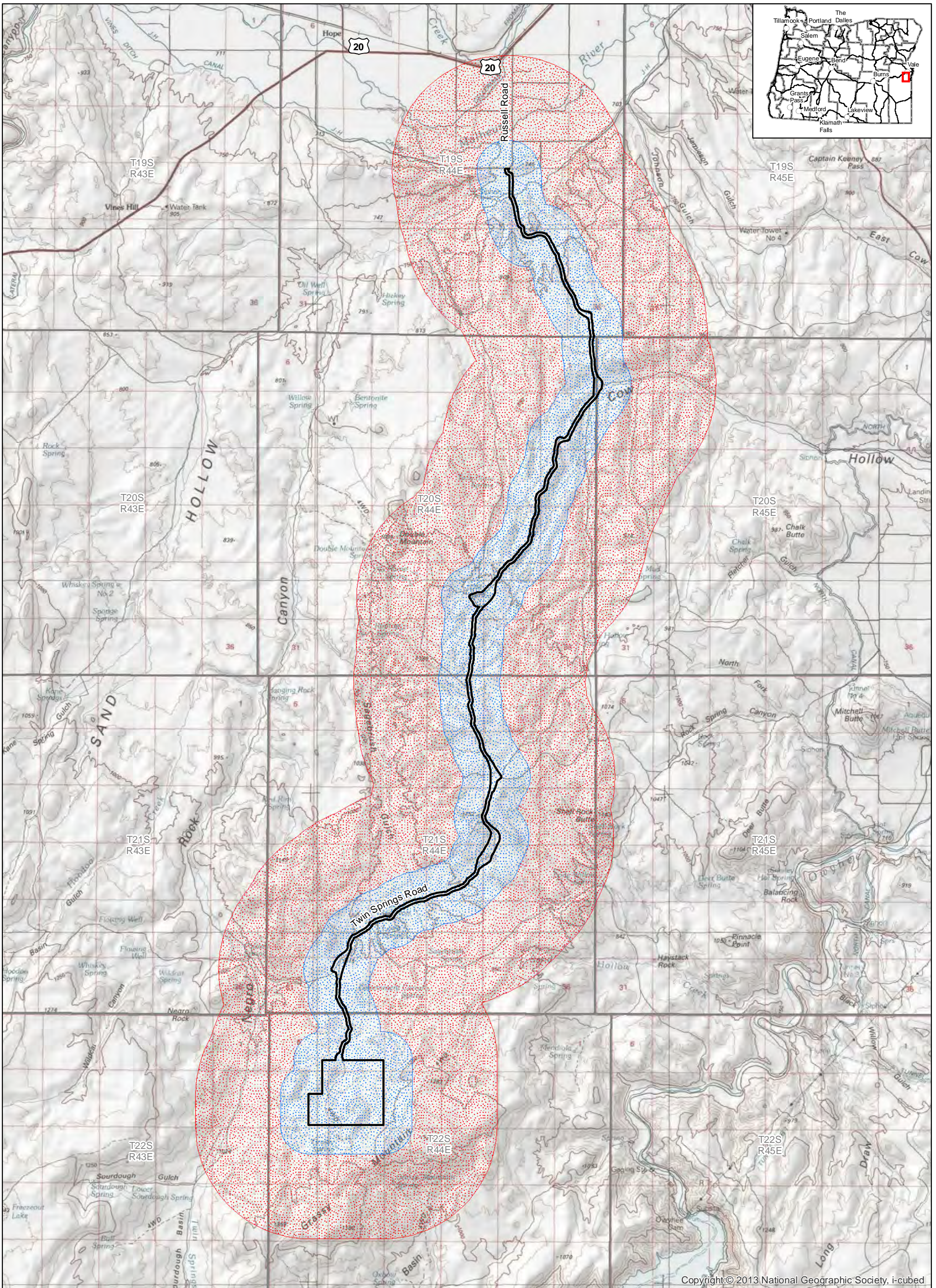
**CALICO RESOURCES USA CORP.**  
**GRASSY MOUNTAIN PROJECT**  
 Wetland Study Area and Permit Area

Figure 14

Date: 09/21/2017	Drawn By: JDB
Revised:	Project No: 3672
Base Map: USGS 7.5' quad: 10048 West 23N, Grassy Mountain, Klamath Spring, Oregon, Sourdough Spring, Vale, West	
File Name: 3672G_GrassyMtn_1709_Fig14_Wetland.mxd	







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**Explanation**

- Permit Area
- Wildlife Study Area (0.5-mile Permit Area buffer)
- Wildlife Study Area (2-mile Permit Area buffer)

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**GRASSY MOUNTAIN PROJECT**  
 Wildlife Study Area and Permit Area

Figure 15

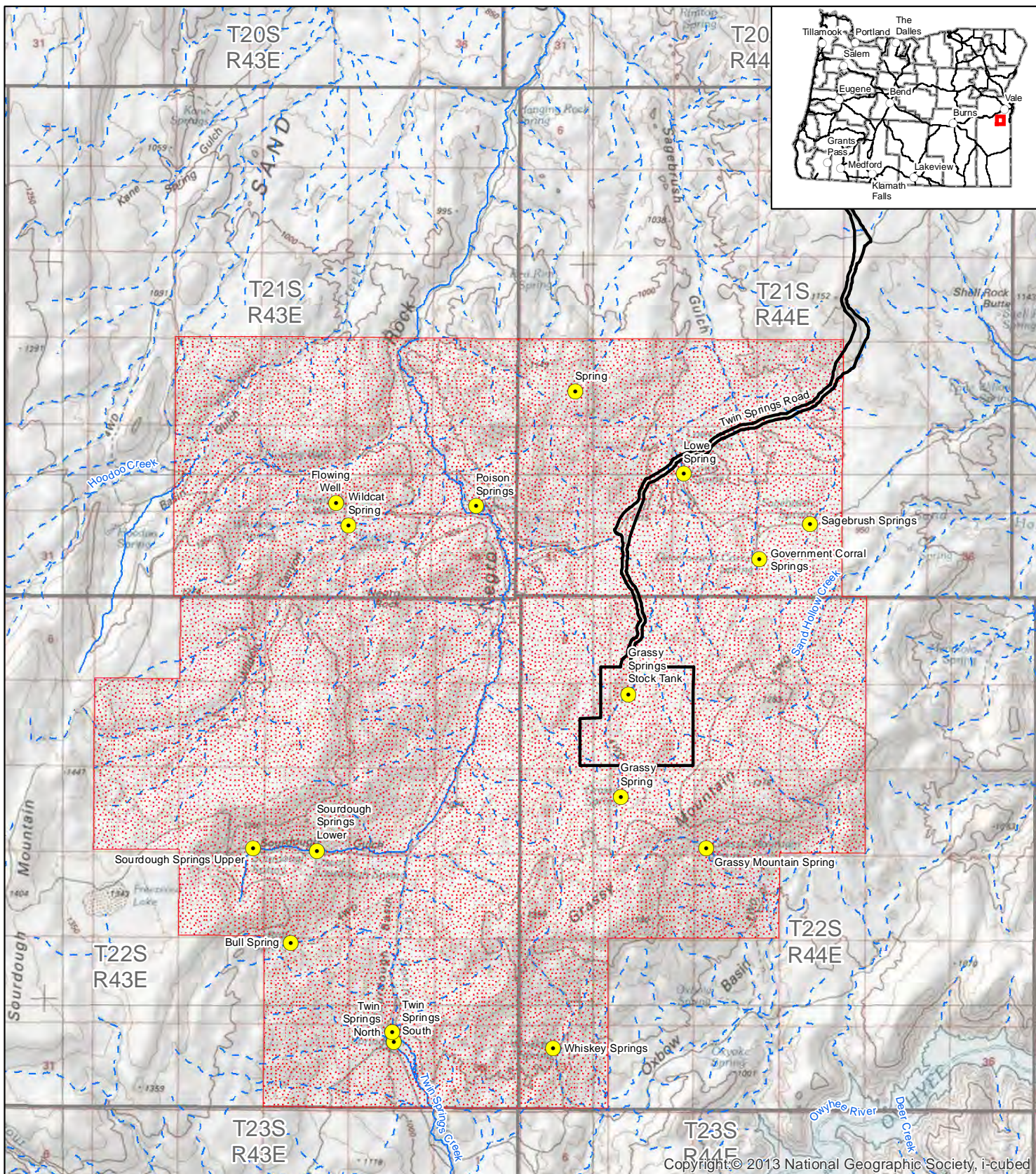


Projection: UTM Zone 11 North, NAD83, meters

Date: 09/21/2017	Drawn by: JDB
Revised:	Project No.: 3672
Base Map: USGS 100K quad: Vale	
File Name: 3672G_GrassyMtn_1709_Fig15_Wildlife.mxd	



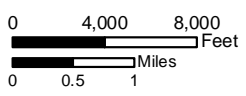




**Explanation**

- Permit Area
- Aquatic Resources Study Area
- Springs
- Perennial Stream
- Intermittent/Ephemeral Stream

Projection: UTM Zone 11 North, NAD83, meters



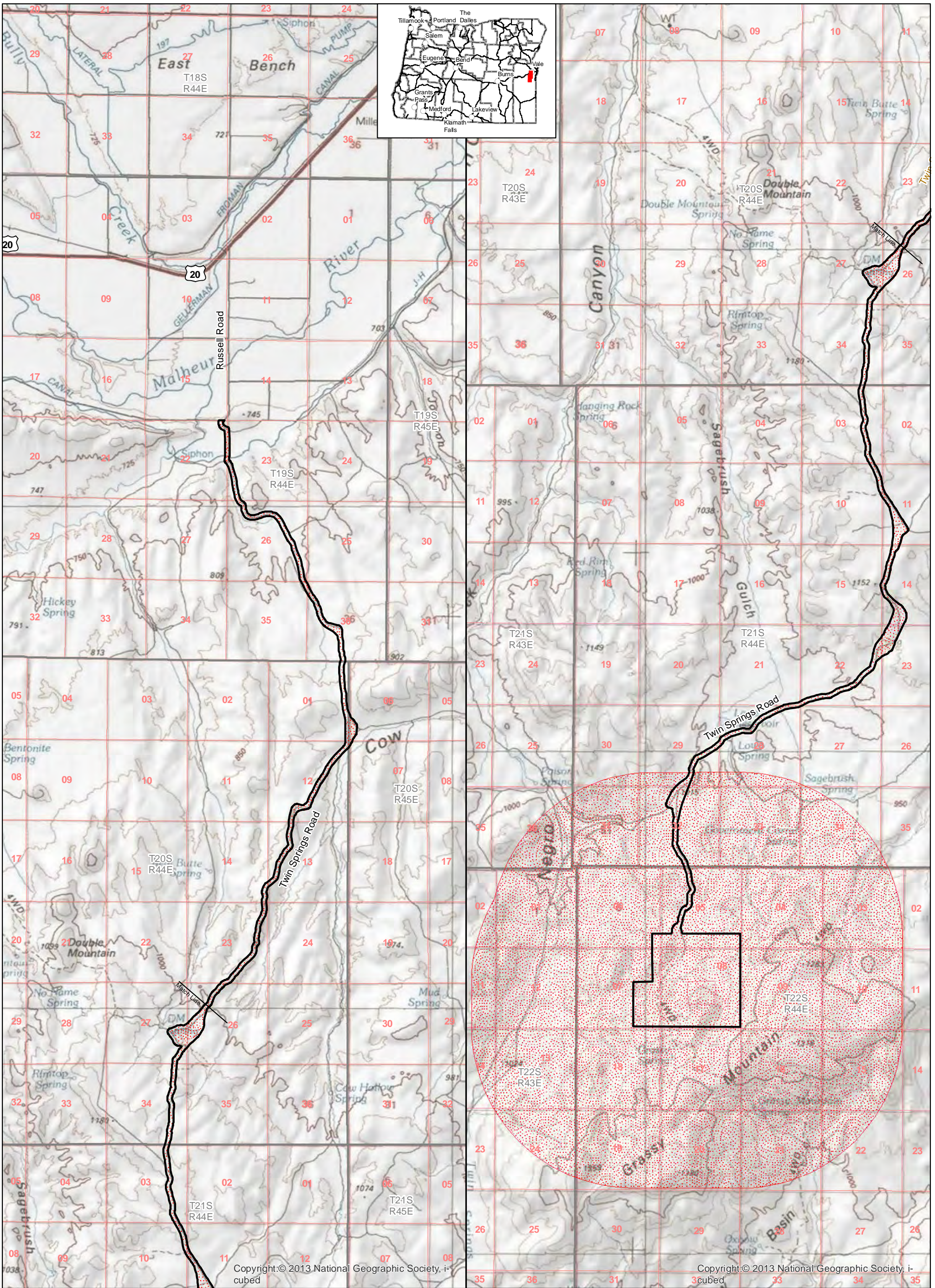
**CALICO RESOURCES USA CORP.**  
**GRASSY MOUNTAIN PROJECT**  
**Aquatic Resources Study Area**

Date: 08/21/2017	Drawn By: JDB
Revised:	Project No.: 3672
Base Map: USGS 100K quad: Vale	
File Name: 3672G_GrassyMtn_1709_Fig17_Aquatic.mxd	



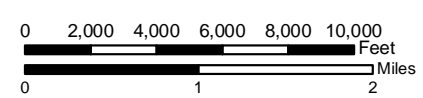
Figure 17





**Explanation**  
 [Black Outline] Permit Area  
 [Red Dotted Pattern] Grazing Management Study Area

Projection: UTM Zone 11 North, NAD83, meters



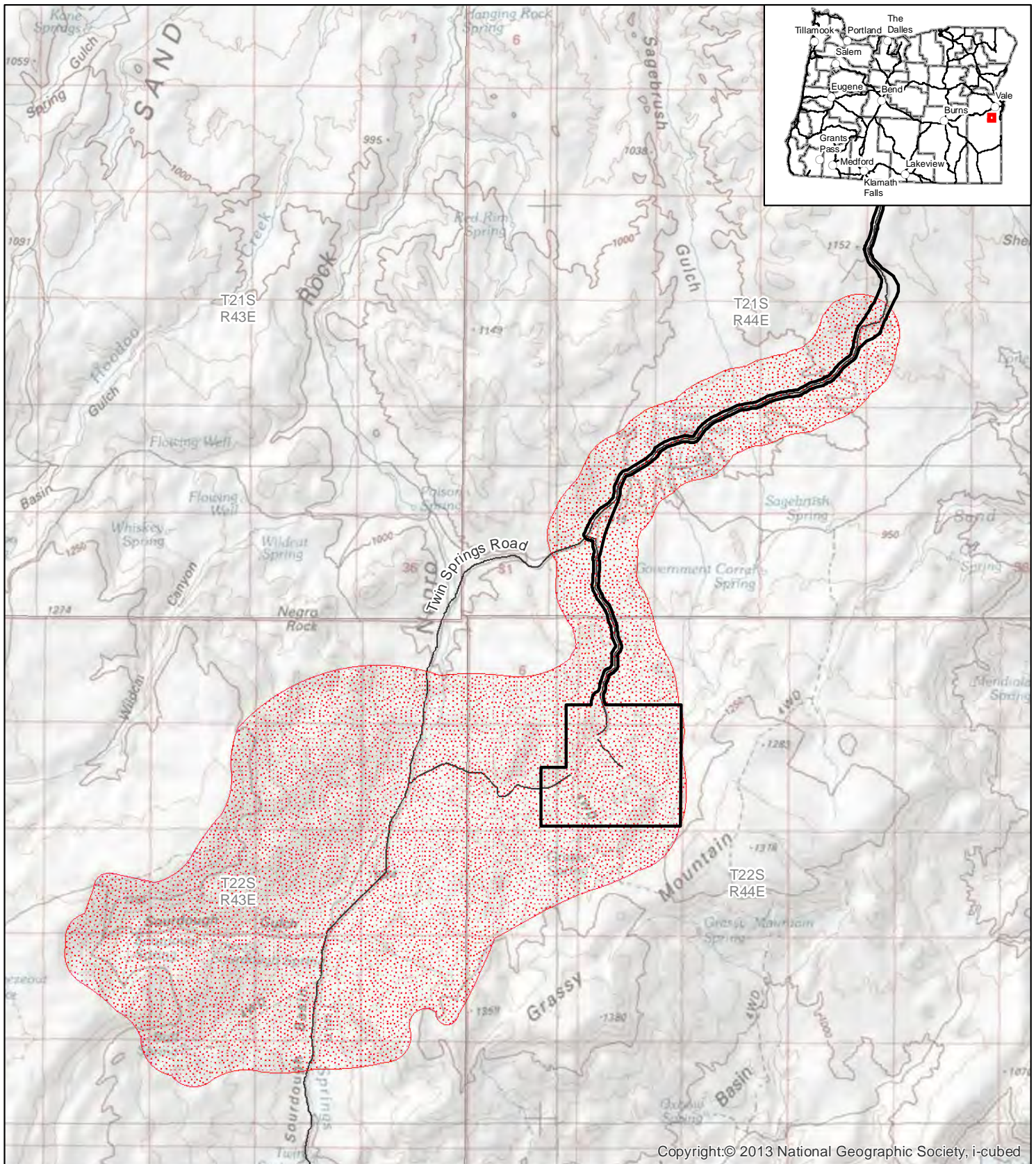
**CALICO RESOURCES USA CORP.**  
**GRASSY MOUNTAIN PROJECT**  
 Grazing Management Study Area  
 and Permit Area

Figure 18

Date: 09/21/2017	Drawn by: JDB
Revised:	Project No.: 3672
Base Map: USGS 100K quad: Vale	
File Name: 3672G_GrassyMtn_1709_Fig18_Grazing.mxd	










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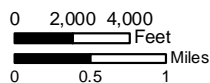
**Explanation**

-  Permit Area
-  Visual Resources Study Area
-  Existing Road

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**GRASSY MOUNTAIN PROJECT**

**Visual Resources Study Area**



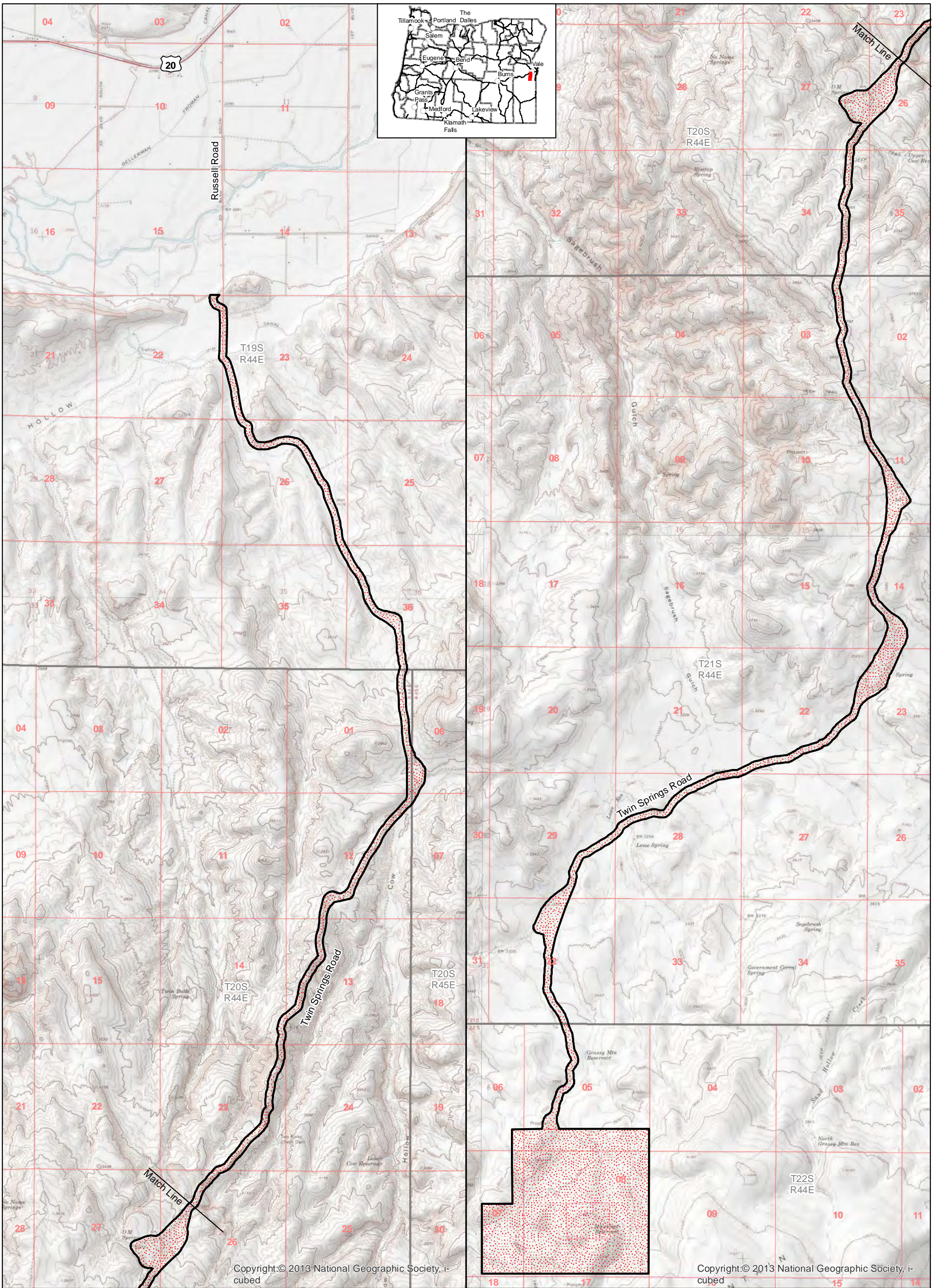
Projection: UTM Zone 11 North, NAD83, meters

Date: 09/21/2017	Drawn By: JDB
Revised:	Project No.: 3672
Base Map: USGS 100K quad: Vale	
File Name: 3672G_GrassyMtn_1709_Fig20_Visual.mxd	



Figure 20







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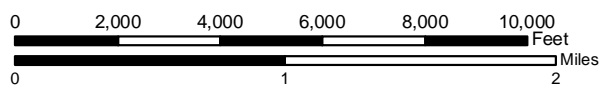
**Explanation**

-  Permit Area
-  Local Air Quality Study Area

**CALICO RESOURCES USA CORP.**  
**GRASSY MOUNTAIN PROJECT**  
 Local Air Quality Study Area  
 and Permit Area

Figure 21

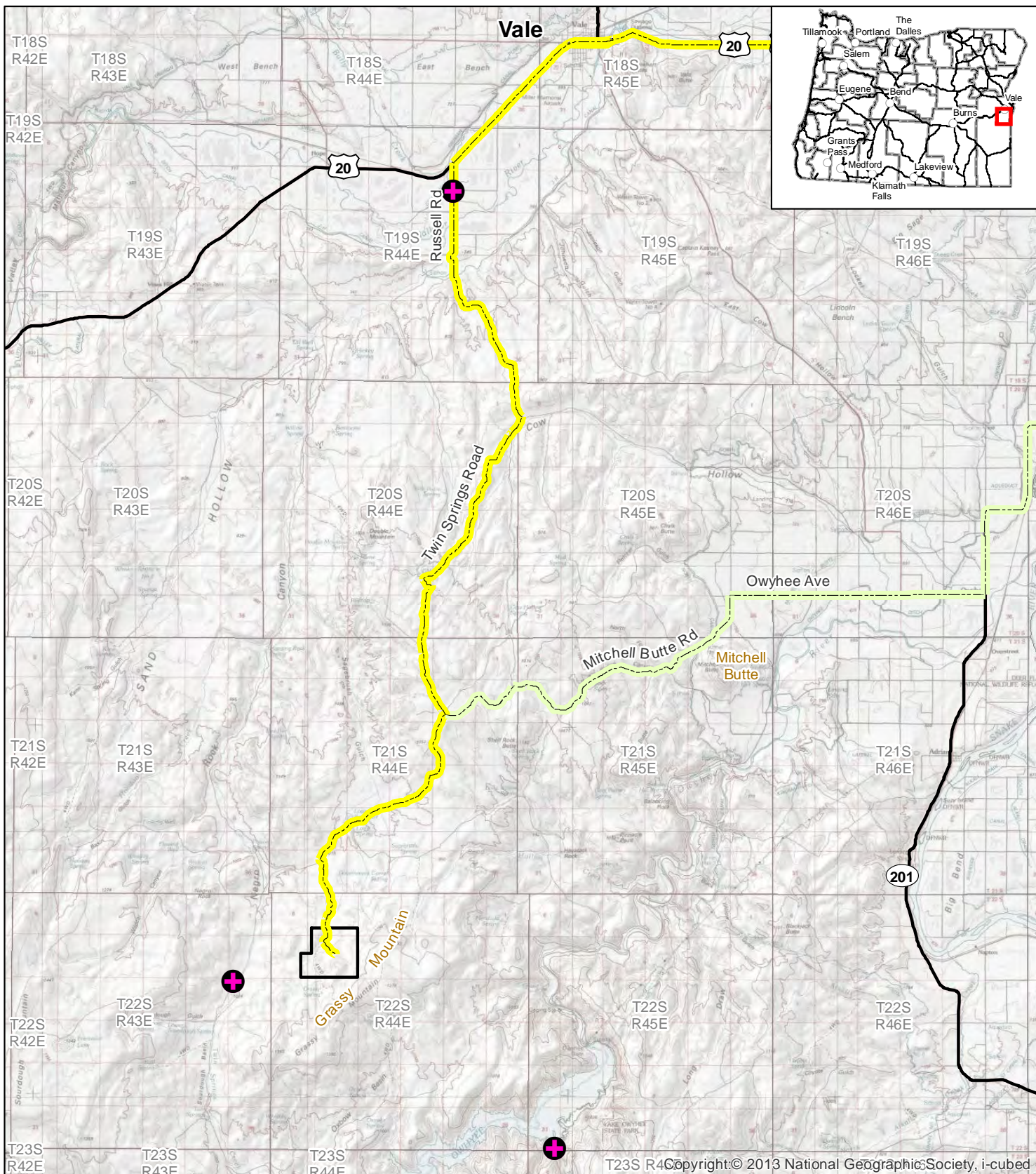
Projection: UTM Zone 11 North, NAD83, meters



Date:	09/21/2017	Drawn By:	JDB
Revised:		Project No.:	3672
Base Map:	USGS 7.5' quad: 10040 West 02N, Grassy Mountain, Klamath Spring Catchment, Sourdough Spring, Vale West		
File Name:	3672G_GrassyMtn_1709_Fig21_LocalAir.mxd		







**Explanation**

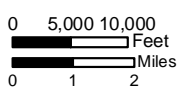
- Mine and Process Area
- + Approximate Location of Noise Monitoring Stations
- Main Access Road
- Secondary Access Road

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**GRASSY MOUNTAIN PROJECT**

**Noise Study Area**

Projection: UTM Zone 11 North, NAD83, meters

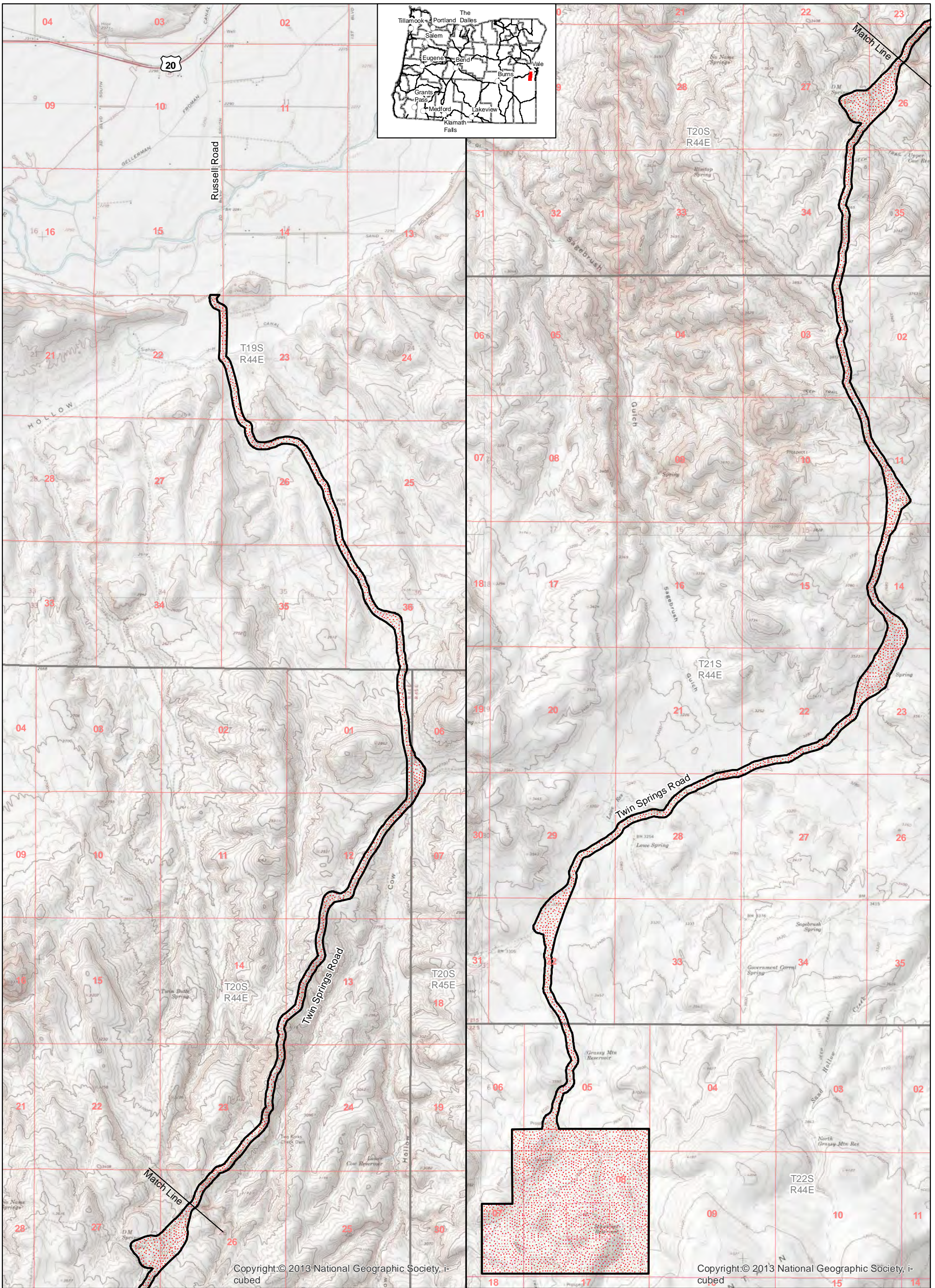


Date: 09/21/2017	Drawn By: JDB
Revised:	Project No.: 3672
Base Map: USGS 100K quad: Vale	
File Name: 3672G_GrassyMtn_1709_Fig22_Noise.mxd	



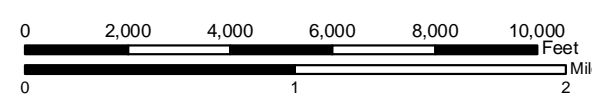
Figure 22





**Explanation**  
 [Black Outline] Permit Area  
 [Red Dotted Area] Cultural Resources Study Area

Projection: UTM Zone 11 North, NAD83, meters



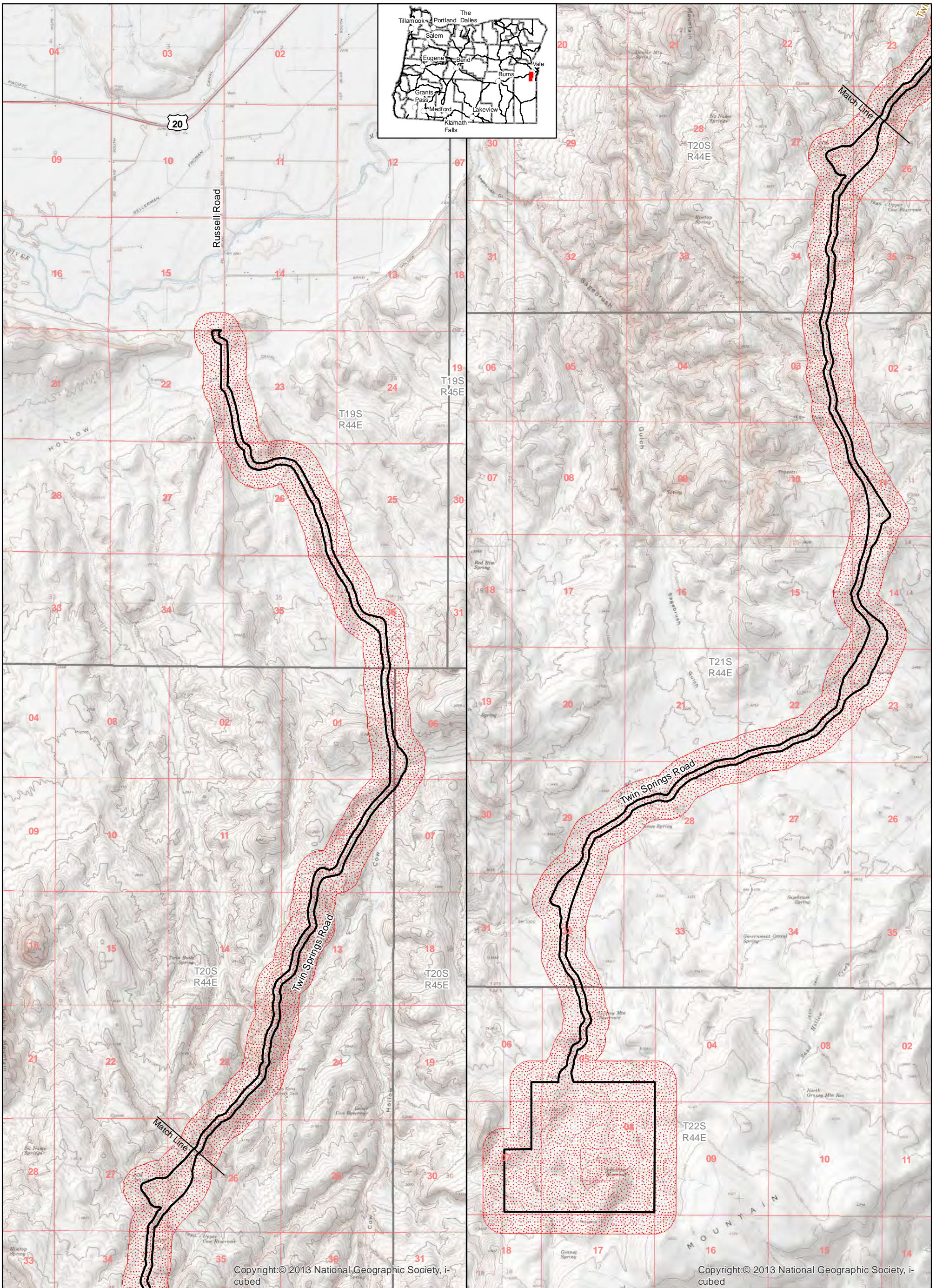
**CALICO RESOURCES USA CORP.**  
**GRASSY MOUNTAIN PROJECT**  
 Cultural Resources Study Area  
 and Permit Area

Figure 23

Date: 09/21/2017	Drawn By: JDB
Revised:	Project No: 3672
Base Map: USGS 7.5 Quad: 1709N West 23N, Grassy Mountain, Klamath Spring Catchment, Sourdough Spring, Vale West	
File Name: 3672G_GrassyMtn_1709_Fig23_Cultural.mxd	







**Explanation**  
 [Black Outline] Permit Area  
 [Red Dotted Area] Land Use Study Area (1,000-foot Permit Area buffer)

**CALICO RESOURCES USA CORP.**  
**GRASSY MOUNTAIN PROJECT**  
 Land Use Study Area  
 and Permit Area

Projection: UTM Zone 11 North, NAD83, meters

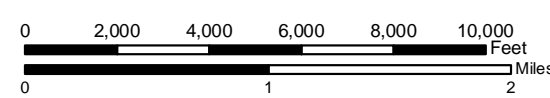
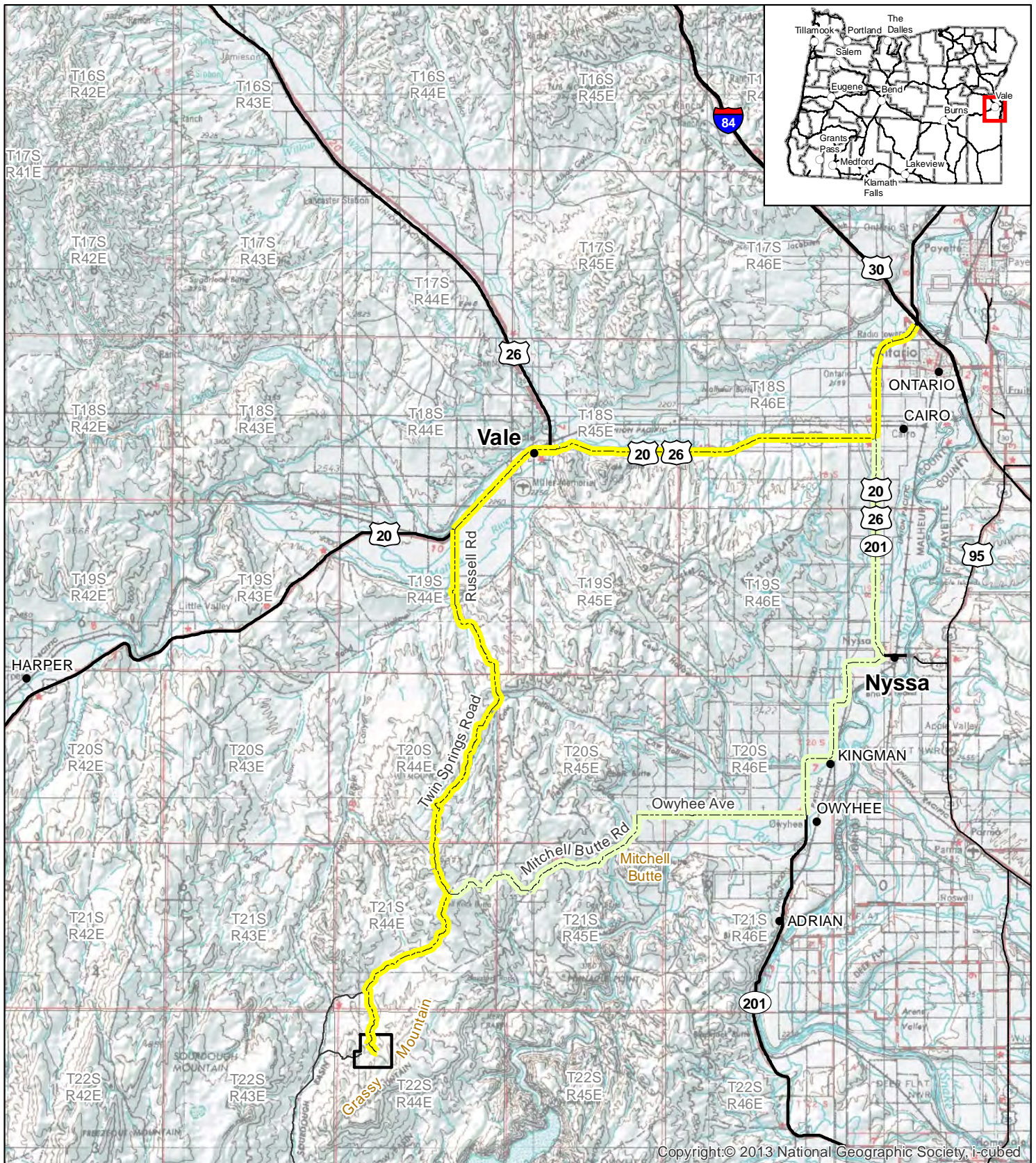


Figure 24  
 Date: 09/21/2017 Drawn By: JDB  
 Revised: Project No: 3672  
 Base Map: USGS 7.5 Quad: 1709N, 1709E, Grassy Mountain, Kalmath Spring, Vale  
 File Name: 3672G\_GrassyMtn\_1709\_Fig24\_LandUse.mxd

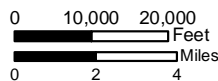






- Explanation**
- Mine and Process Area
  - Main Access Road
  - Secondary Access Road

Projection: UTM Zone 11 North, NAD83, meters



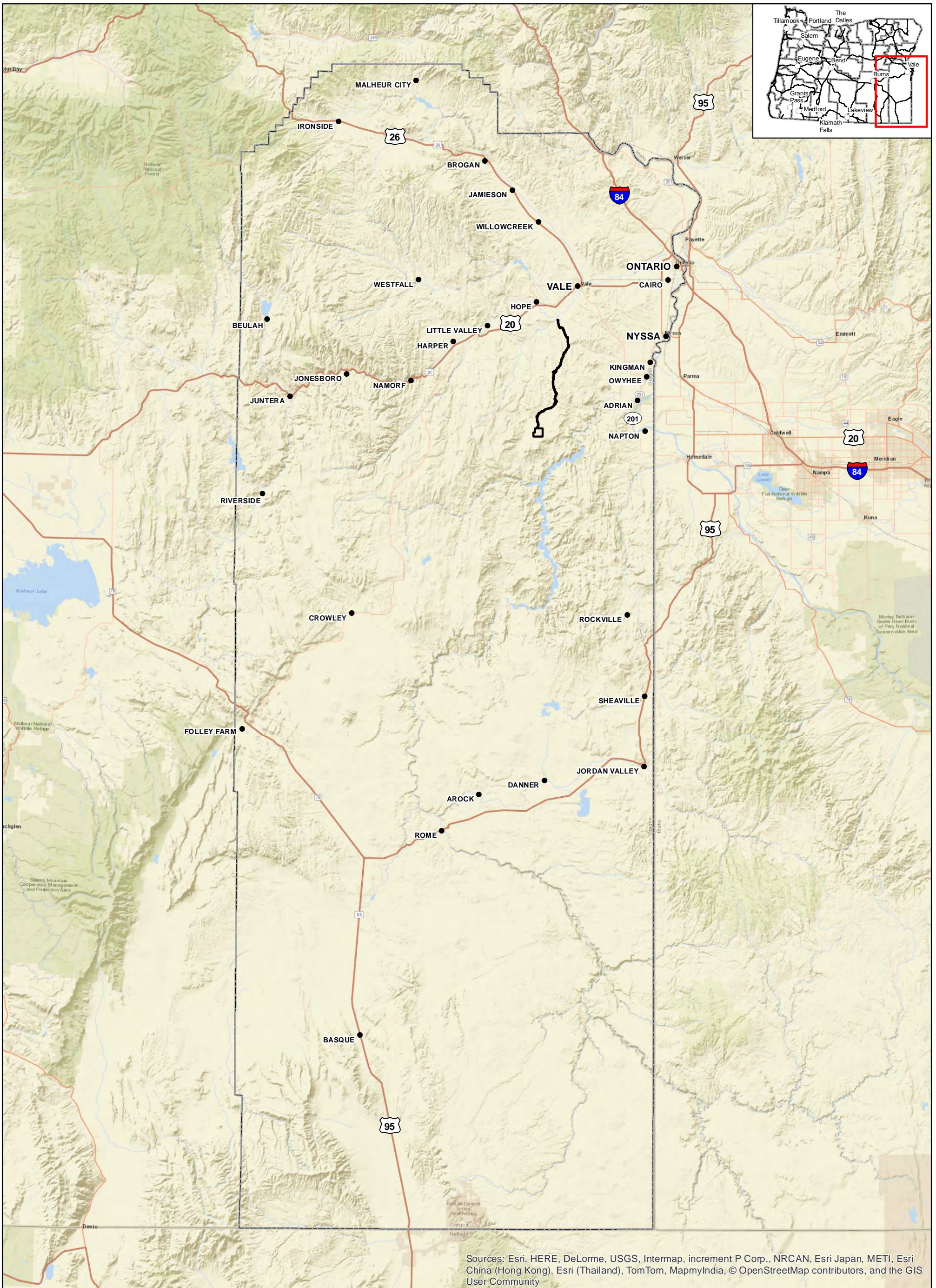
**CALICO RESOURCES USA CORP.**  
**GRASSY MOUNTAIN PROJECT**  
 Transportation Study Area

Figure 25

Date: 09/21/2017	Drawn by: JDB
Revised:	Project No. 3672
Base Map: USGS 250K quads: Baker, Boise	
File Name: 3672G_GrassyMtn_1709_Fig25_Transportation.mxd	







Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

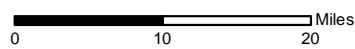
**Explanation**

- Permit Area
- Malheur County (Study Area)

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**GRASSY MOUNTAIN PROJECT**  
 Regional Socioeconomics Study Area

Figure 27

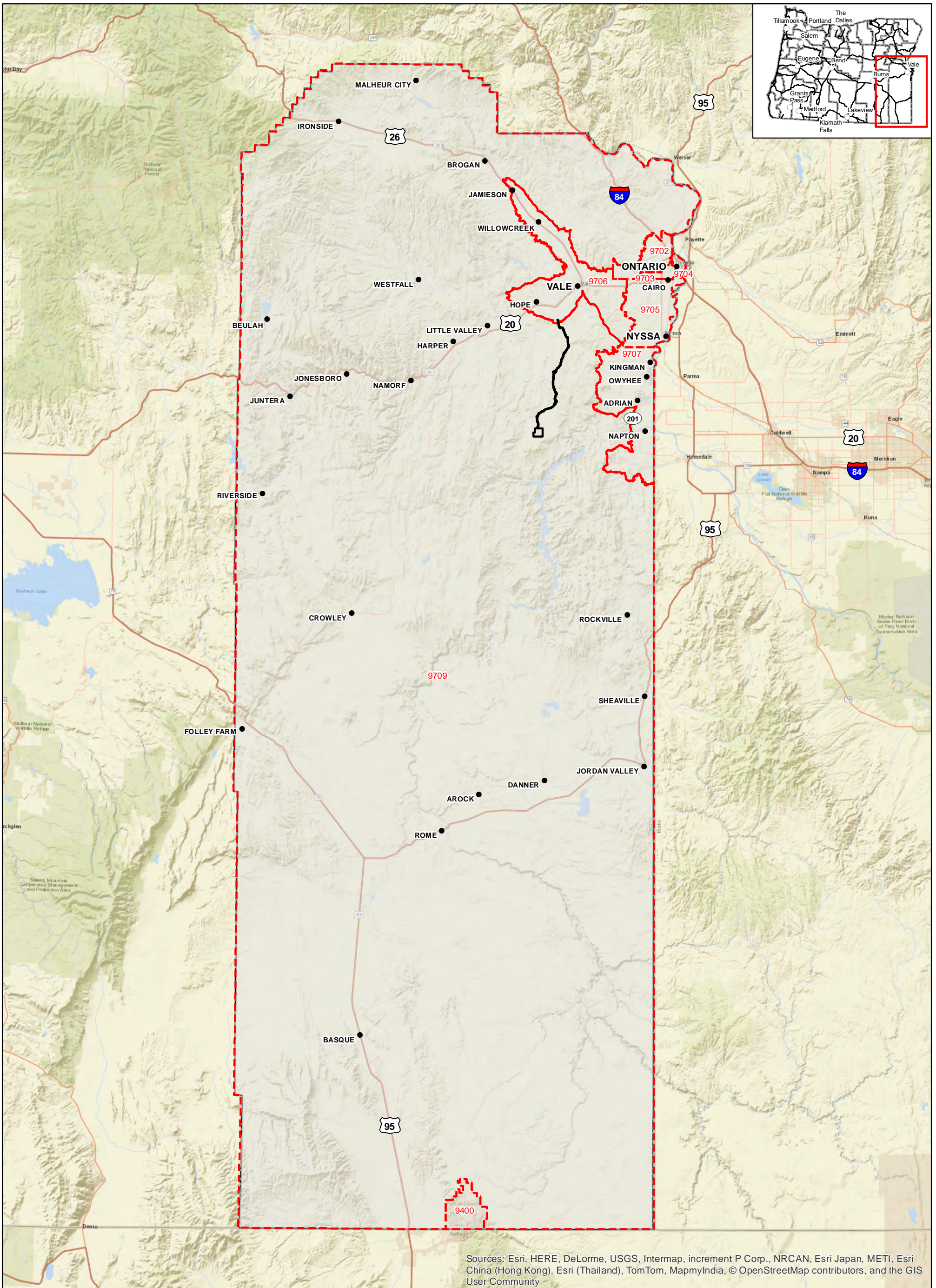
Projection: UTM Zone 11 North, NAD83, meters



Date:	09/21/2017	Drawn By:	JDB
Revised:		Project No.:	3672
Base Map:			
File Name:	3672G_GrassyMtn_1709_Fig27_Socioeco.mxd		







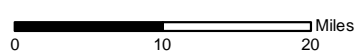
Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

- Explanation**
- Permit Area
  - Census Tracts
  - Malheur County (Study Area)

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**GRASSY MOUNTAIN PROJECT**  
**Environmental Justice Study Area**

Figure 28

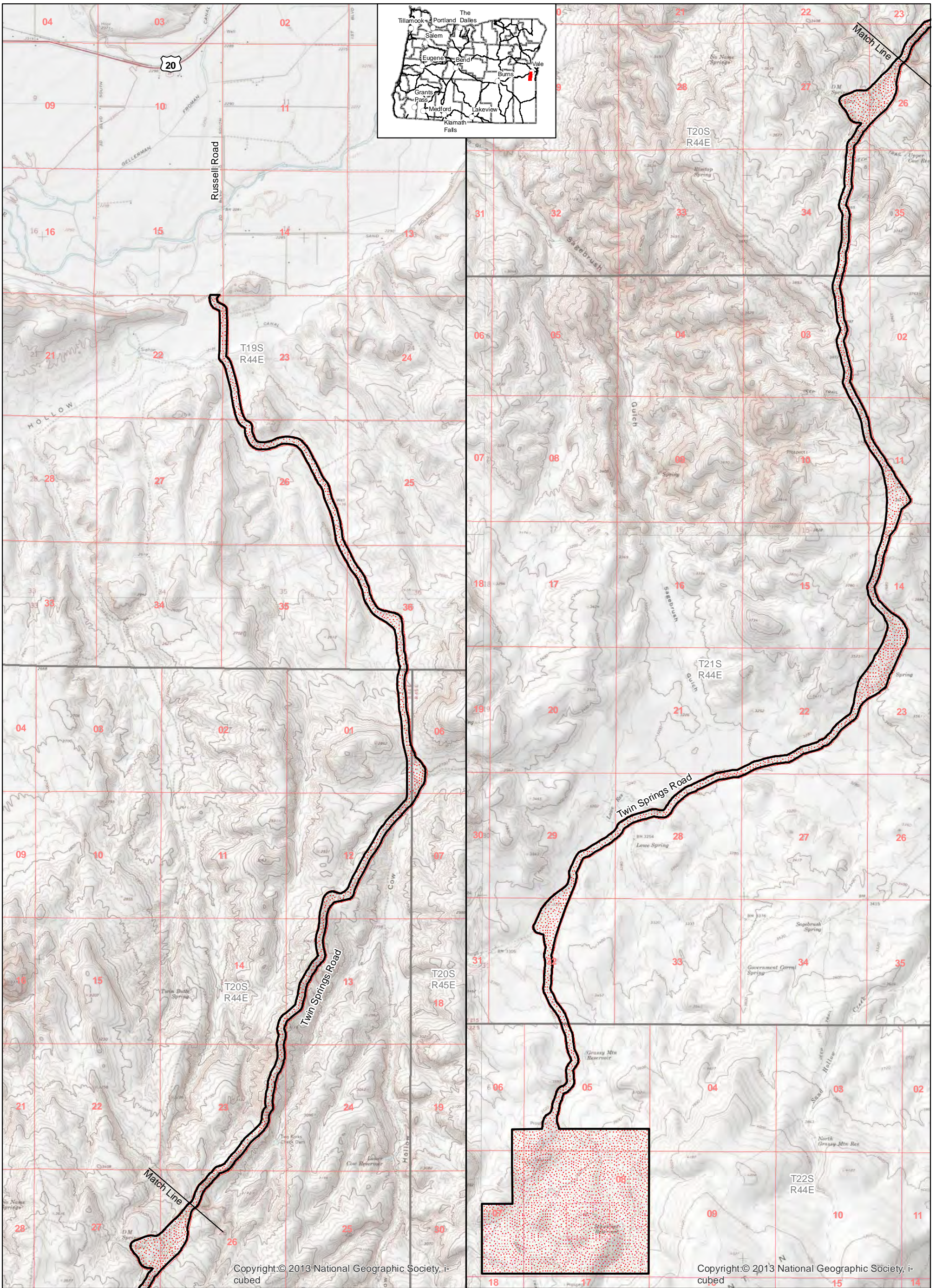
Projection: UTM Zone 11 North, NAD83, meters



Date:	09/21/2017	Drawn By:	JDB
Revised:		Project No.:	3672
Base Map:			
File Name:	3672G_GrassyMtn_1709_Fig28_EnviroJustice_L.mxd		

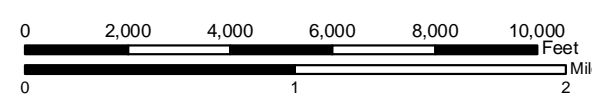






**Explanation**  
 [Black outline] Permit Area  
 [Red dotted pattern] Recreation Study Area

Projection: UTM Zone 11 North, NAD83, meters



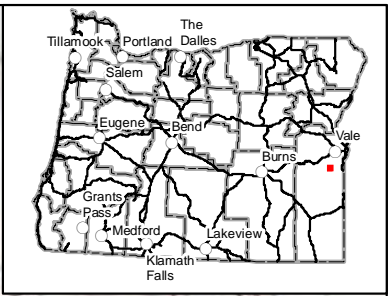
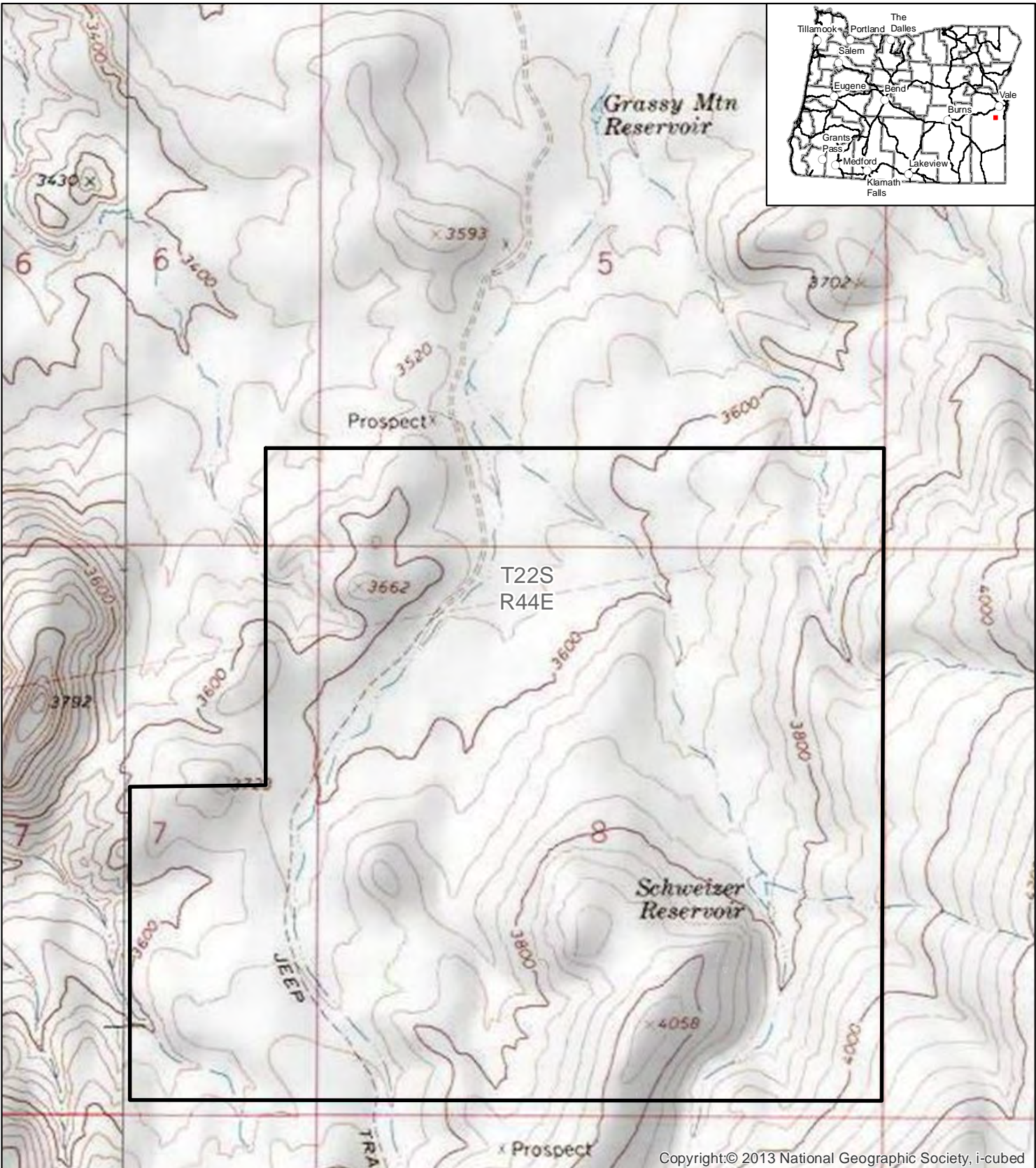
**CALICO RESOURCES USA CORP.**  
**GRASSY MOUNTAIN PROJECT**  
 Recreation Study Area  
 and Permit Area

Figure 29

Date: 09/21/2017	Drawn By: JDB
Revised:	Project No: 3672
Base Map: USGS 7.5 quad: 1709N West 20N, Grassy Mountain, Kalm Spring, Oregon, Sourdough Spring, Vale, West	
File Name: 3672G_GrassyMtn_1709_Fig29_Recreation.mxd	








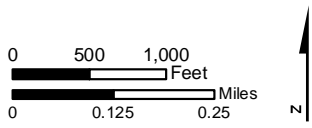
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**Explanation**

 Mine and Process Area (Study Area)

**CALICO RESOURCES USA CORP.**  
**GRASSY MOUNTAIN PROJECT**  
**Mined Land Reclamation Study Area**

Projection: UTM Zone 11 North, NAD83, meters



Date: 09/21/2017	Drawn By: JDB
Revised:	Project No. 3672
Base Map: USGS 7.5' quads: Grassy Mountain, Sourough Spring	
File Name: 3672G_GrassyMtn_1709_Fig30_Reclamation.mxd	




Figure 30