

**Township 8S, Range 39E**

**SECTION 15**

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**SECTION 15**

*Cliff Features*

**CLIFF FEATURE: C\_0050**



Photo: 1\_26\_06\_25

**Looking West**

**FEATURE TYPE:** Cliff

**GEOMETRIC DIMENSIONS:** Length: 870 ft      Height: 10 ft

**LOCATION:** Township: 8S      Range: 39E      Section: 15

**HANDHELD GPS POINTS:**

	<b>Northing</b>	<b>Easting</b>		<b>Northing</b>	<b>Easting</b>
<b>14064</b> <sup>1</sup>	420775.95	2659595.53	<b>14066</b>	420955.74	2658941.63
<b>14065</b>	421009.19	2659131.02	<b>14067</b>	420857.05	2658820.83

<sup>1</sup> This point is located in Township 8S, Range 39E, Section 22

**SUBSTRATE:** Sandstone/siltstone

**EXPOSURE:** Northern facing slope

**DESCRIPTION OF FEATURE:** The cliff feature shown above travels a significant distance along a moderately sloped hill. The face of the sandstone/siltstone rock is solid and stands approximately 10 feet high. Over the length of the cliff, some areas have broken away and appear more like a rock outcrop. Large rocks are distributed along the hill below the feature. See the pictures on the next page for additional views of this feature.

**CLIFF FEATURE: C\_0050**



Photo: 1\_26\_06\_26

**Looking West**



Photo: 1\_26\_06\_28

**Looking South**

Revised 4/06; Reference – South Fork Extension Amendment #00174



**CLIFF FEATURE: C\_0051**



Photo: 1\_26\_06\_39

**Looking North**

FEATURE TYPE:	Cliff					
GEOMETRIC DIMENSIONS:	Length: 135 ft		Height: 30 ft			
LOCATION:	Township: 8S		Range: 39E		Section: 15	
HANDHELD GPS POINTS:		Northing	Easting		Northing	Easting
	14094	421245.84	2660946.56	14096	421411.57	2660881.87
	14095	421339.10	2660897.10	14097	421440.64	2660878.36

**SUBSTRATE:** Sandstone/siltstone

**EXPOSURE:** Northern facing slope

**DESCRIPTION OF FEATURE:** The cliff feature shown above is adjacent to riparian feature R\_0050. The total length of this feature is the summation of two segments. Sandstone/siltstone rocks have surfaced along a steep sidehill, leaving overhangs and large voids. See the pictures on the next page for additional views of this feature.

**CLIFF FEATURE: C\_0051**



Photo: 1\_26\_06\_40

**Looking Northeast**



Photo: 1\_26\_06\_41

**Looking East**

Revised 4/06; Reference – South Fork Extension Amendment #00174

**Township 8S, Range 39E**  
**SECTION 15**

***Rock Outcrop Features***



**ROCK OUTCROP FEATURE: RO\_0210**



Photo: 1\_26\_06\_30

**Looking North**

**FEATURE TYPE:** Rock Outcrop

**GEOMETRIC DIMENSIONS:** Area of outcrop: 0.16 acres

**LOCATION:** Township: 8S                      Range: 39E                      Section: 15

<b>HANDHELD GPS POINTS:</b>	<b>Northing</b>	<b>Easting</b>		<b>Northing</b>	<b>Easting</b>
<b>14072</b>	421039.29	2658701.40	<b>14074</b>	421170.69	2658818.58
<b>14073</b>	421147.84	2658788.32	<b>14075</b>	420993.64	2658757.08

**SUBSTRATE:** Sandstone/siltstone

**EXPOSURE:** Northern facing slope

**DESCRIPTION OF FEATURE:** The outcrop shown above is located along the top of a hill overlooking a small draw. The rocks in this outcrop range in size from one foot in diameter to nearly 10 feet in diameter. Crevices between and below the rocks provide potential habitat.



**ROCK OUTCROP FEATURE: RO\_0211**



Photo: 1\_26\_06\_32

**Looking Southwest**

**FEATURE TYPE:** Rock Outcrop

**GEOMETRIC DIMENSIONS:** Length: 150 ft      Height: 5 ft

**LOCATION:** Township: 8S      Range: 39E      Section: 15

**HANDHELD GPS POINTS:**

	<b>Northing</b>	<b>Easting</b>
<b>14077</b>	421290.74	2658349.94
<b>14078</b>	421271.24	2658195.63

**SUBSTRATE:** Sandstone/siltstone

**EXPOSURE:** Northern facing slope

**DESCRIPTION OF FEATURE:** The rock outcrop shown above is not significantly tall, however it contains overhang areas caused by erosion. These overhangs create potential habitat within the outcrop. The rocks are solid sandstone/siltstone.

**ROCK OUTCROP FEATURE: RO\_0212**



Photo: 1\_26\_06\_33

**Looking East**

**FEATURE TYPE:** Rock Outcrop

**GEOMETRIC DIMENSIONS:** Area of outcrop: 0.09 acres

**LOCATION:** Township: 8S                      Range: 39E                      Section: 15

**HANDHELD GPS POINTS:**

	<b>Northing</b>	<b>Easting</b>		<b>Northing</b>	<b>Easting</b>
<b>14079</b>	421918.39	2659732.08	<b>14081</b>	421847.98	2659811.79
<b>14080</b>	421923.10	2659765.50	<b>14082</b>	421838.72	2659750.12

**SUBSTRATE:** Sandstone/siltstone

**EXPOSURE:** Southern facing slope

**DESCRIPTION OF FEATURE:** The rock outcrop shown above is a very unique feature in this area. The sandstone/siltstone rocks within the feature are large and cover significant surface area. As is shown above, the rocks have eroded and left large overhangs beneath the rock.



**ROCK OUTCROP FEATURE: RO\_0213**



Photo: 1\_26\_06\_34

**Looking Northeast**

**FEATURE TYPE:** Rock Outcrop

**GEOMETRIC DIMENSIONS:** Length: 20 ft      Height: 10 ft

**LOCATION:** Township: 8S      Range: 39E      Section: 15

**HANDHELD GPS POINTS:**

	<b>Northing</b>	<b>Easting</b>
<b>14083</b>	422005.16	2659822.27
<b>14084</b>	422005.58	2659835.17

**SUBSTRATE:** Scoria

**EXPOSURE:** Northern facing slope

**DESCRIPTION OF FEATURE:** The scoria outcrop shown above is very common in this region. The feature is located at the top of a small hill adjacent to features RO\_212 and RO\_214. Although this outcrop is not significantly large, the face is jagged and weathered.



**ROCK OUTCROP FEATURE: RO\_0214**



Photo: 1\_26\_06\_35

**Looking Southeast**

**FEATURE TYPE:** Rock Outcrop

**GEOMETRIC DIMENSIONS:** Area of outcrop: 0.21 acres

**LOCATION:** Township: 8S                      Range: 39E                      Section: 15

<b>HANDHELD GPS POINTS:</b>	<b>Northing</b>	<b>Easting</b>		<b>Northing</b>	<b>Easting</b>
<b>14085</b>	422168.90	2659809.29	<b>14087</b>	422025.85	2659899.07
<b>14086</b>	422055.85	2659810.32	<b>14088</b>	422156.38	2659874.25

**SUBSTRATE:** Sandstone/siltstone

**EXPOSURE:** Northern facing slope

**DESCRIPTION OF FEATURE:** The rock outcrop shown above is a very unique feature in this area. The sandstone/siltstone rocks within the feature are large and vary in height from several feet to over twenty feet tall. The rocks are in close proximity of one another and are located on a relatively flat slope.

**ROCK OUTCROP FEATURE: RO\_0215**



Photo: 1\_26\_06\_37

**Looking Southwest**

<b>FEATURE TYPE:</b>	Rock Outcrop		
<b>GEOMETRIC DIMENSIONS:</b>	Length: 110 ft	Height: 5 ft	
<b>LOCATION:</b>	Township: 8S	Range: 39E	Section: 15
<b>HANDHELD GPS POINTS:</b>	<b>Northing</b>	<b>Easting</b>	
	<b>14090</b>	421264.78	2660625.75
	<b>14091</b>	421203.59	2660537.33
<b>SUBSTRATE:</b>	Sandstone/siltstone		
<b>EXPOSURE:</b>	Southern facing slope		
<b>DESCRIPTION OF FEATURE:</b>	The small outcrop shown above is located adjacent to a small draw. The feature consists of layered sandstone/siltstone rocks sitting on a highly erosive, sandy silt soil. The soil beneath the rocks has eroded, leaving overhangs and voids and creating potential habitat.		

**ROCK OUTCROP FEATURE: RO\_0216**



Photo: 1\_26\_06\_38

**Looking North**

<b>FEATURE TYPE:</b>	Rock Outcrop		
<b>GEOMETRIC DIMENSIONS:</b>	Length: 390 ft	Height: 15 ft	
<b>LOCATION:</b>	Township: 8S	Range: 39E	Section: 15
<b>HANDHELD GPS POINTS:</b>	<b>Northing</b>	<b>Easting</b>	
	<b>14092</b>	421352.17	2660963.82
	<b>14093</b>	421707.68	2661130.62
<b>SUBSTRATE:</b>	Scoria		
<b>EXPOSURE:</b>	Northern facing slope		
<b>DESCRIPTION OF FEATURE:</b>	This large scoria outcrop runs along the top of a hill. The feature is located above cliff feature C_0051. This outcrop is tall and has a jagged, weathered face.		



**ROCK OUTCROP FEATURE: RO\_0219**



Photo: 1\_26\_06\_45

**Looking North**

**FEATURE TYPE:** Rock Outcrop

**GEOMETRIC DIMENSIONS:** Length: 510 ft      Height: 5 ft

**LOCATION:** Township: 8S      Range: 39E      Section: 15

**HANDHELD GPS POINTS:**

	<b>Northing</b>	<b>Easting</b>		<b>Northing</b>	<b>Easting</b>
<b>14106</b>	421106.29	2662172.45	<b>14108</b>	421281.42	2662515.45
<b>14107</b>	421156.14	2662248.33	<b>14109</b>	421325.30	2662632.83

**SUBSTRATE:** Sandstone/siltstone

**EXPOSURE:** Southern facing slope

**DESCRIPTION OF FEATURE:** The rock outcrop shown above consists of sandstone/siltstone rocks that run along the side of a long slope. The rocks are weathered and layered and have high numbers of overhangs and voids.

**ROCK OUTCROP FEATURE: RO\_0225**



Photo: 1\_30\_06\_01

**Looking Northeast**

**FEATURE TYPE:** Rock Outcrop

**GEOMETRIC DIMENSIONS:** Area of outcrop: 180 square feet

**LOCATION:** Township: 8S Range: 39E Section: 15

<b>HANDHELD GPS POINTS:</b>	<b>Northing</b>	<b>Easting</b>	<b>Northing</b>	<b>Easting</b>
<b>15001</b>	425955.26	2659809.76	<b>15003</b>	425992.60
<b>15002</b>	425963.04	2659825.00		2659836.97

**SUBSTRATE:** Scoria

**EXPOSURE:** Southern facing slope

**DESCRIPTION OF FEATURE:** The scoria rock outcrop shown above is located on a southern facing slope overlooking a small draw. Scoria outcrops, like this feature, are very common in this area. The largest individual piece of scoria is nearly ten feet tall.



**ROCK OUTCROP FEATURE: RO\_0226**



Photo: 1\_30\_06\_02

**Looking Northeast**

**FEATURE TYPE:** Rock Outcrop

**GEOMETRIC DIMENSIONS:** Area of outcrop: 1.46 acres

**LOCATION:** Township: 8S                      Range: 39E                      Section: 15

<b>HANDHELD GPS POINTS:</b>	<b>Northing</b>	<b>Easting</b>		<b>Northing</b>	<b>Easting</b>
<b>15004</b>	425610.41	2659405.11	<b>15006</b>	425618.09	2658844.63
<b>15005</b>	425388.21	2659071.41			

**SUBSTRATE:** Scoria

**EXPOSURE:** Southern facing slope

**DESCRIPTION OF FEATURE:** The scoria rock outcrop shown above is located on a southern facing slope overlooking the Spring Creek channel bottom. Scoria outcrops, like this feature, are very common in this area. This feature looks like a cliff in some areas and some pieces of scoria reach a height of almost 25 feet. See the pictures on the following page for additional views of this feature.



**ROCK OUTCROP FEATURE: RO\_0226**



Photo: 1\_30\_06\_03

**Looking North**



Photo: 1\_30\_06\_04

**Looking East**

Revised 4/06; Reference – South Fork Extension Amendment #00174

**ROCK OUTCROP FEATURE: RO\_0227**



Photo: 1\_30\_06\_06

**Looking Northeast**

**FEATURE TYPE:** Rock Outcrop

**GEOMETRIC DIMENSIONS:** Area of outcrop: 0.55 acres

**LOCATION:** Township: 8S                      Range: 39E                      Section: 15

<b>HANDHELD GPS POINTS:</b>	<b>Northing</b>	<b>Easting</b>		<b>Northing</b>	<b>Easting</b>
<b>15008</b>	425271.55	2660446.05	<b>15010</b>	425490.66	2660568.14
<b>15009</b>	425508.90	2660453.96	<b>15011</b>	425274.59	2660541.48

**SUBSTRATE:** Scoria

**EXPOSURE:** Southern facing slope

**DESCRIPTION OF FEATURE:** The scoria rock outcrop shown above is located on a southern facing slope overlooking the Spring Creek channel bottom. Scoria outcrops, like this feature, are very common in this area. As can be seen in the picture above, holes have been created below the rocks in this outcrop to form habitat.



**ROCK OUTCROP FEATURE: RO\_0228**



Photo: 1\_30\_06\_07

**Looking East**

**FEATURE TYPE:** Rock Outcrop

**GEOMETRIC DIMENSIONS:** Area of outcrop: 1.01 acres

**LOCATION:** Township: 8S                      Range: 39E                      Section: 15

**HANDHELD GPS POINTS:**

	<b>Northing</b>	<b>Easting</b>		<b>Northing</b>	<b>Easting</b>
<b>15012</b>	425050.05	2661163.13	<b>15014</b>	424985.22	2661645.42
<b>15013</b>	425109.13	2661527.86	<b>15015</b>	424905.95	2661676.36

**SUBSTRATE:** Scoria

**EXPOSURE:** Southern facing slope

**DESCRIPTION OF FEATURE:** The scoria rock outcrop shown above is located on a southern facing slope overlooking the Spring Creek channel bottom. Scoria outcrops, like this feature, are very common in this area. The surrounding area is vegetated with grass and sparsely populated sagebrush.



**Township 8S, Range 39E**  
**SECTION 15**

*Riparian Areas*

**RIPARIAN FEATURE: R\_0049**



Photo: 1\_26\_06\_31

**Looking Northeast**

**FEATURE TYPE:** Riparian Area

**GEOMETRIC DIMENSIONS:** See attached topographic map

**LOCATION:** Township: 8S      Range: 39E      Section: 15

**HANDHELD GPS POINTS:**

	<b>Northing</b>	<b>Easting</b>
<b>14076</b>	421102.52	2658854.32

**SUBSTRATE:** Not Applicable

**EXPOSURE:** Drainage runs in a northerly direction

**DESCRIPTION OF FEATURE:** The small draw shown above is a tributary to Spring Creek. The draw is adjacent to features C\_0050 and RO\_0210. The channel bottom varies in width and is vegetated with grass, sagebrush and small trees.

**RIPARIAN FEATURE: R\_0050**



Photo: 1\_26\_06\_36

**Looking South**

**FEATURE TYPE:** Riparian Area

**GEOMETRIC DIMENSIONS:** See attached topographic map

**LOCATION:** Township: 8S      Range: 39E      Section: 15

**HANDHELD GPS POINTS:**

	<b>Northing</b>	<b>Easting</b>
<b>14089</b>	421737.94	2660935.99

**SUBSTRATE:** Not Applicable

**EXPOSURE:** Drainage runs in a northerly direction

**DESCRIPTION OF FEATURE:** The large draw shown above has a bottom width of greater than fifty feet. The bordering hills are steep and covered with grass, sagebrush and some small trees. At the head of the channel, the channel is cut deep into the sandy silt soil.



**RIPARIAN FEATURE: R\_0051**



Photo: 1\_26\_06\_42

**Looking South**

**FEATURE TYPE:** Riparian Area

**GEOMETRIC DIMENSIONS:** See attached topographic map

**LOCATION:** Township: 8S                      Range: 39E                      Section: 15

**HANDHELD GPS POINTS:**

	<b>Northing</b>	<b>Easting</b>
<b>14098</b>	421316.98	2662145.05

**SUBSTRATE:** Not Applicable

**EXPOSURE:** Drainage runs in a northerly direction

**DESCRIPTION OF FEATURE:** The large draw shown above has a bottom width of greater than fifty feet. The bordering hills are steep and covered with grass, sagebrush and some small trees. At the head of the channel, the channel is cut deep into the sandy silt soil. The view above is towards the end of the draw. The drainage splits into two tributary channels above this point.

**RIPARIAN FEATURE: R\_0053**

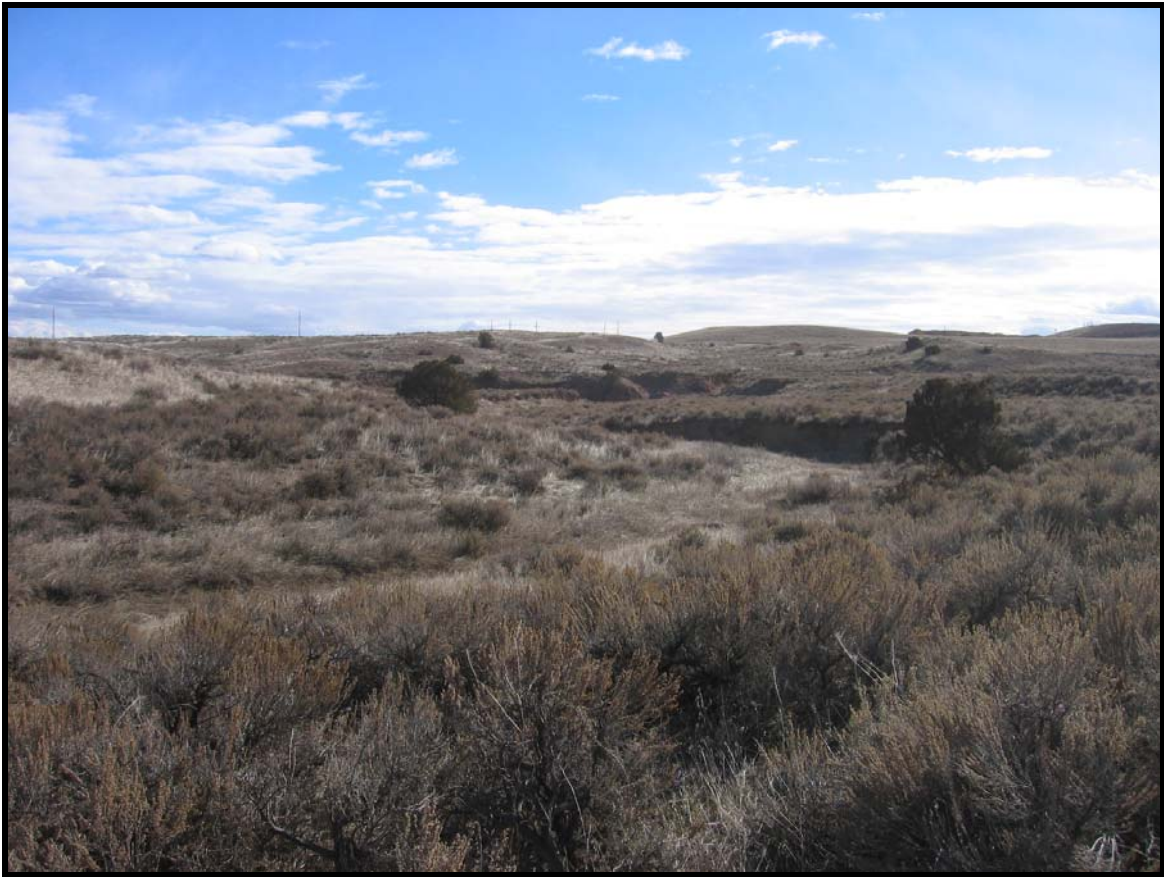


Photo: 2\_2\_06\_33

**Looking Southeast**

**Township 8S, Range 39E**  
**SECTION 15**

*Other Features*



**This section does not contain any Other Features.**