



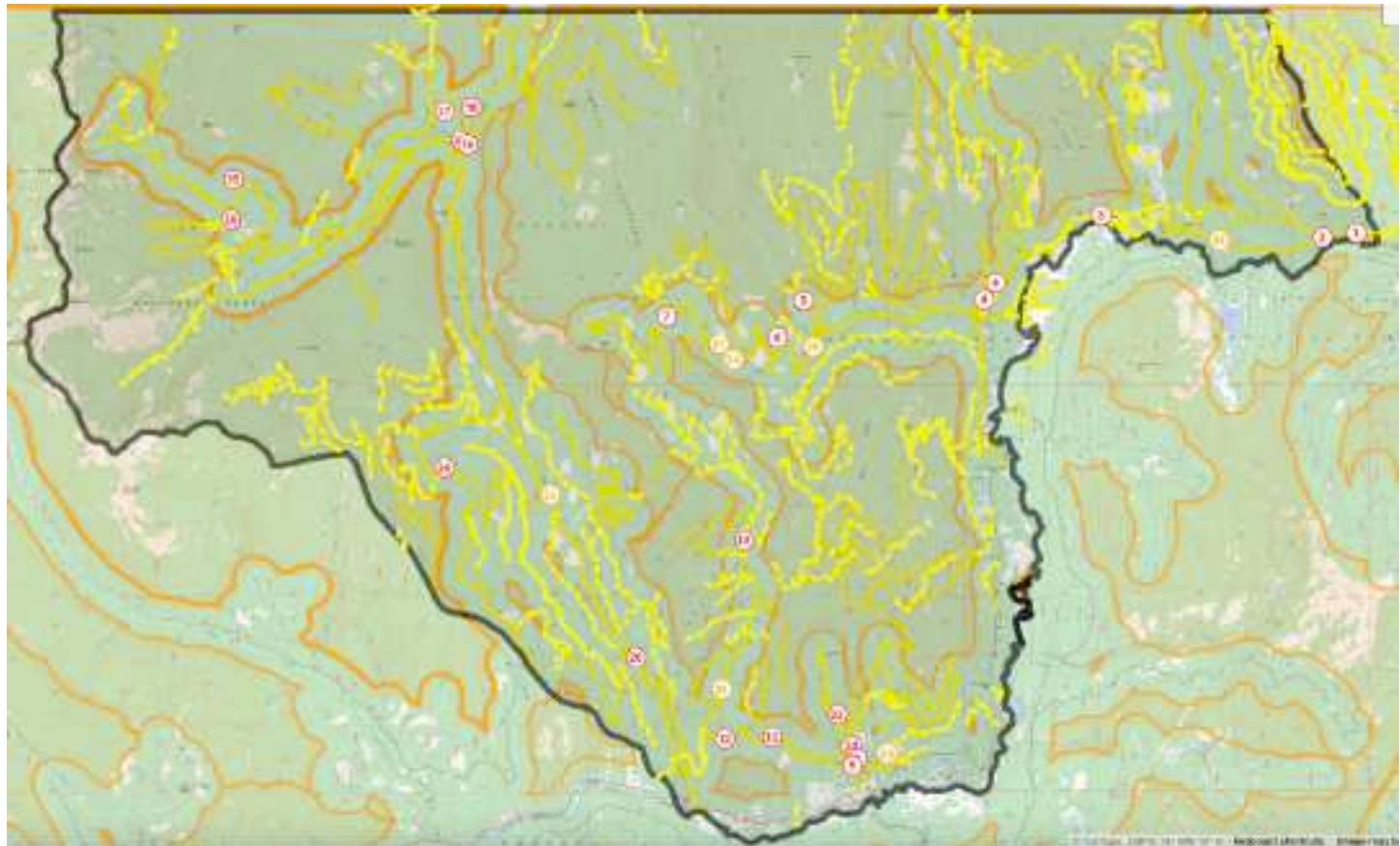
YAAK VALLEY FOREST COUNCIL

# Insufficient Grizzly Barrier Report

## 2020-2024

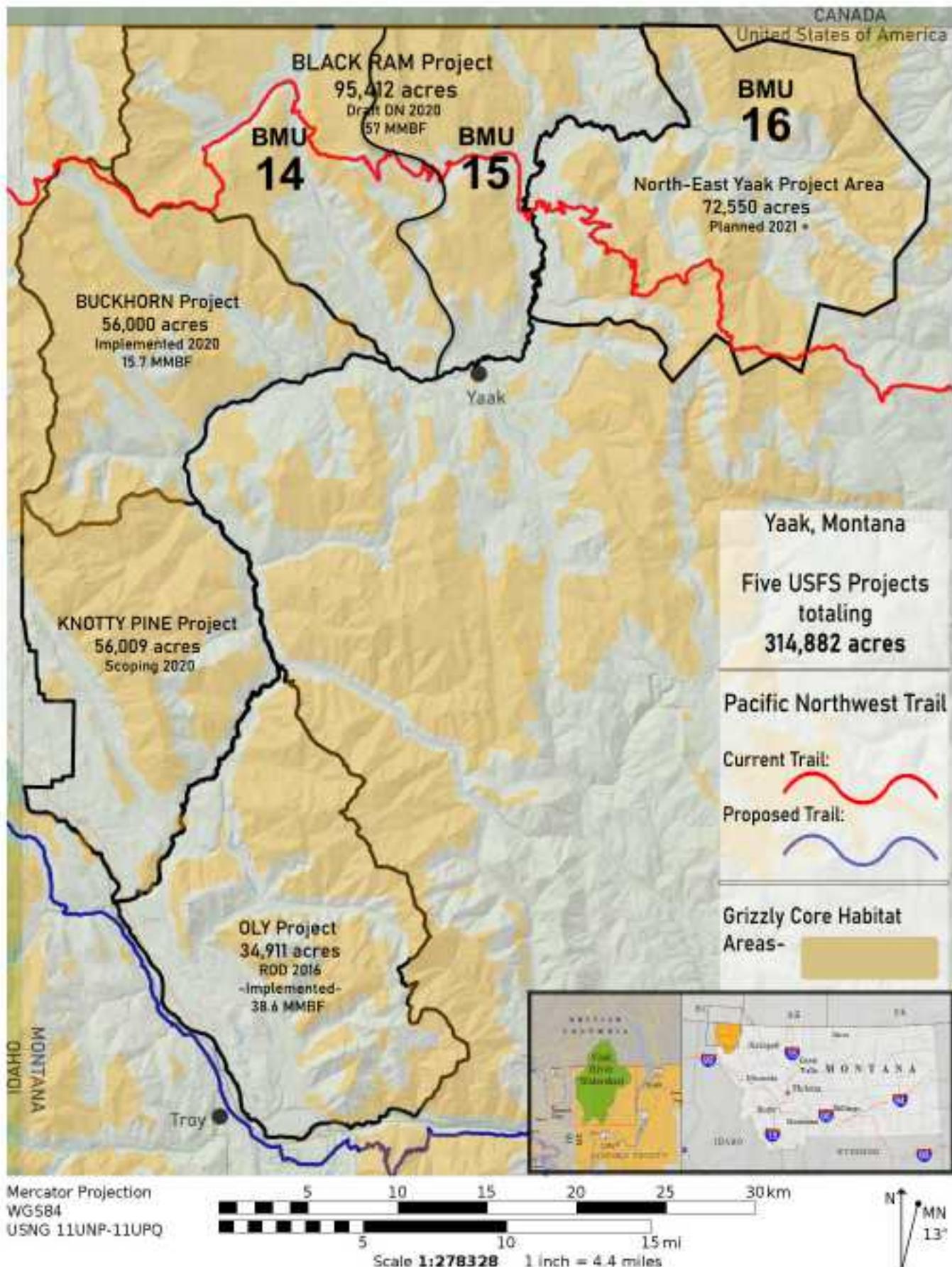
CYE BMUs 14-15

Submitted April 2025



Prepared by  
Chris Bachman, Conservation Director  
Yaak Valley Forest Council





YVFC submits this report in a collaborative effort with the USFS to ensure secure habitat for Yaak grizzly bears. YVFC is documenting insufficient road barriers in the Kootenai National Forest to limit core habitat fragmentation due to a proliferation of access on unauthorized forest roads, a primary threat to the Yaak's vulnerable grizzly bear population. With approximately 25 bears remaining in the Valley the USFS must protect key habitat from unauthorized road usage. YVFC documentation and reporting of insufficient road barriers aims to clearly and convincingly convey the imminent need for the USFS to prioritize installing barriers that will prevent unauthorized disturbance of sensitive habitats critical to grizzly bear recovery.

Roads fragment habitats and provide access, which are proven key factors in grizzly bear mortality.

Preserving landscape connectivity by decreasing unauthorized access is vital to ensuring the survival of threatened species in the Yaak and beyond. The YVFC, like the Foundation, is committed to developing and implementing effective, reputable methods for protecting key habitats for threatened species from human disturbance, directly preserving these critical natural lands. This project will lay the foundation for YVFC to work with the USFS to effectively protect these habitats and ensure that wildlife in the Yaak - including the USFS-designated "most vulnerable" grizzly bear population - can thrive.



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Chris Bachman  
Conservation Director  
Yaak Valley Forest Council

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Date

**BR 1- Coordinates: N 48.95251, W -115.54898**

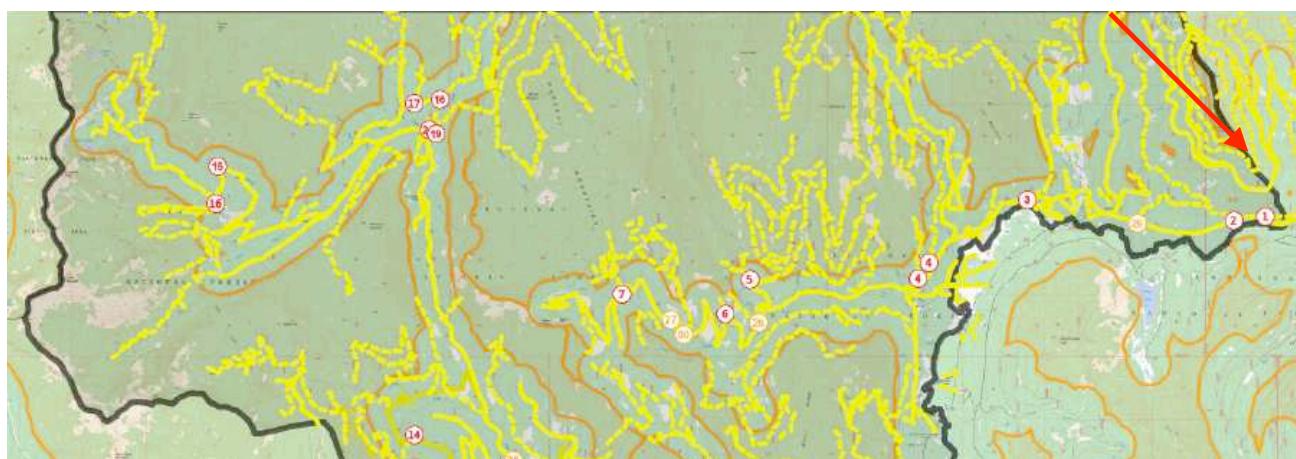
**Date: 13 August 2024**

BMU 15: Female with young documented 2016-2023

Barrier ineffective 2024. There has been no visible recent activity behind the gate. A user-created

bypass is present on the left of the gate. The gap to the right of the gate is insufficient.

Remedy: berm or boulders.



BR 1- Gate Right, passable with ATV/motorcycle



BR 1-Gate left



Back Waypoint X

Grizzly Barrier Block-Rain

BR 2 - 6/23/23, 10:38:21AM 689  
June 23, 2023, 10:38:21 AM



Elevation: 3,671 ft

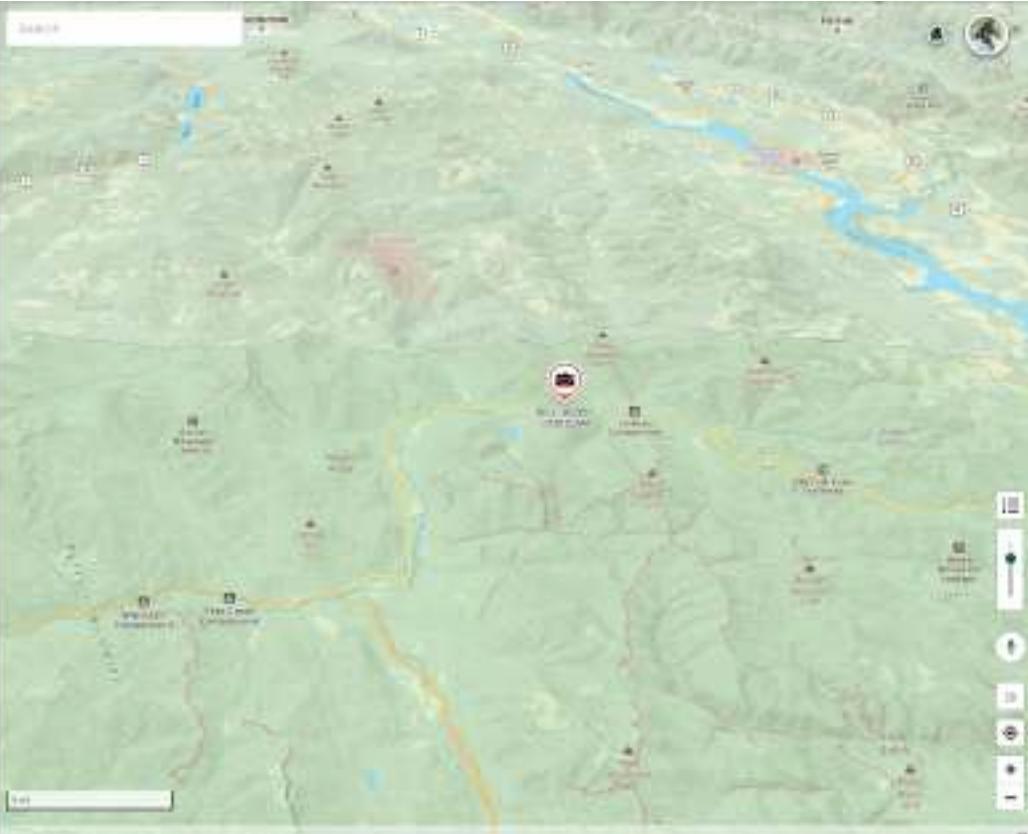
Coordinates: 48.95251, -115.54898

Current Weather: (25.29°F) 07:55 WSW 3.1 ft

Notes: GRMU 15: Female with young documented 2019-2022. No visible recent activity during gate. No evidence change since November 2022. Use caution bypass will present left of gate. Gate to right of gate insufficient additional barrier.

Show Lines

Map Visibility: ON



C Back Waypoint X

Grizzly Barrier Black Hatch

BR 1 - 6/23/23, 10:38:21AM 1.00 miles (1.60km, 553m)

Location 3,471 ft

Coordinates AB 85251, -115.54898

Current Weather

50°F 60% 0.00 in 0.00

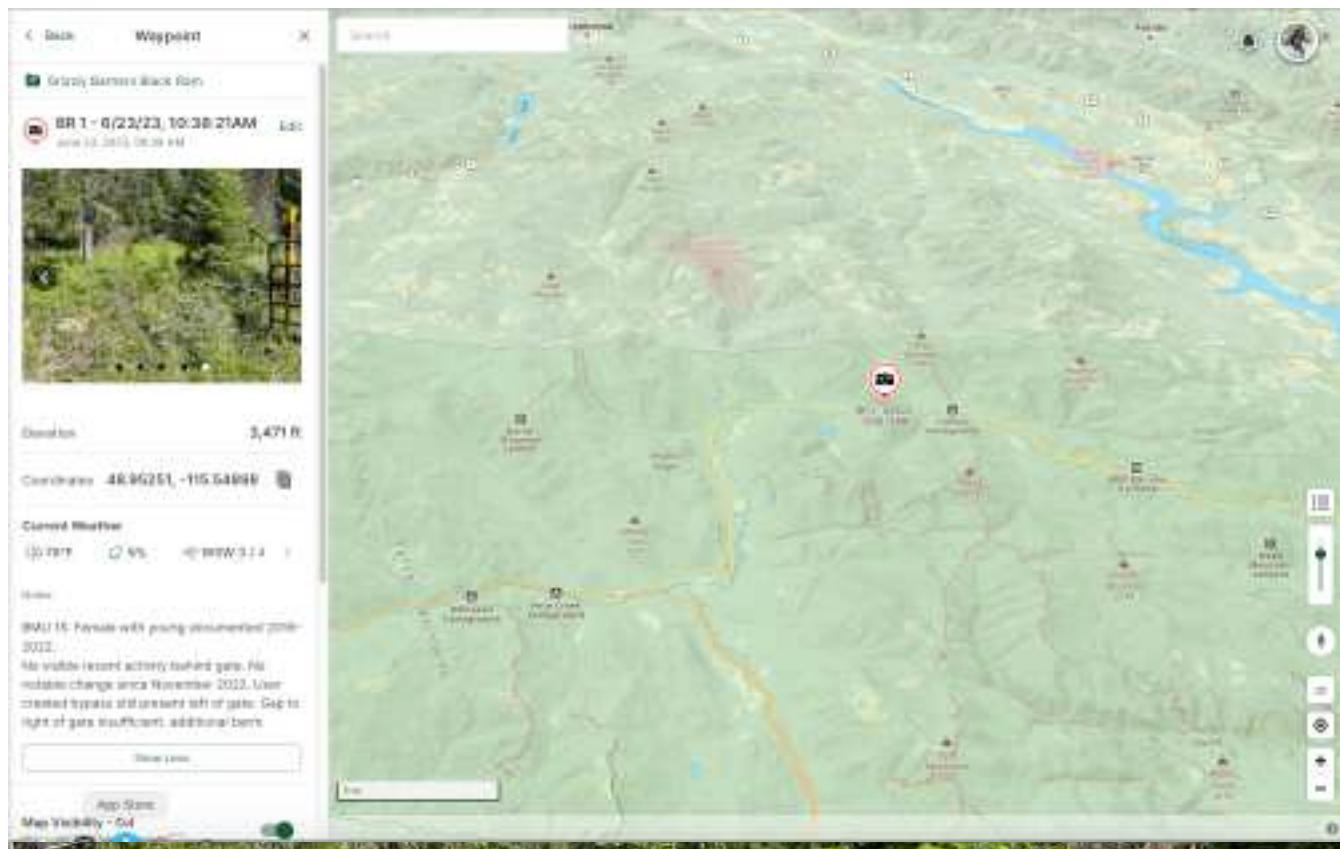
Notes

BR 1: Female with young estimated 2000-2002. No visible repeat activity behind gate. No notable change since November 2022. User smooth bypass all present left of gate. Gate to right of gate insufficient; additional bars.

Show Line

Show

Map Visibility - On



Prior Documentation:

2020

2022

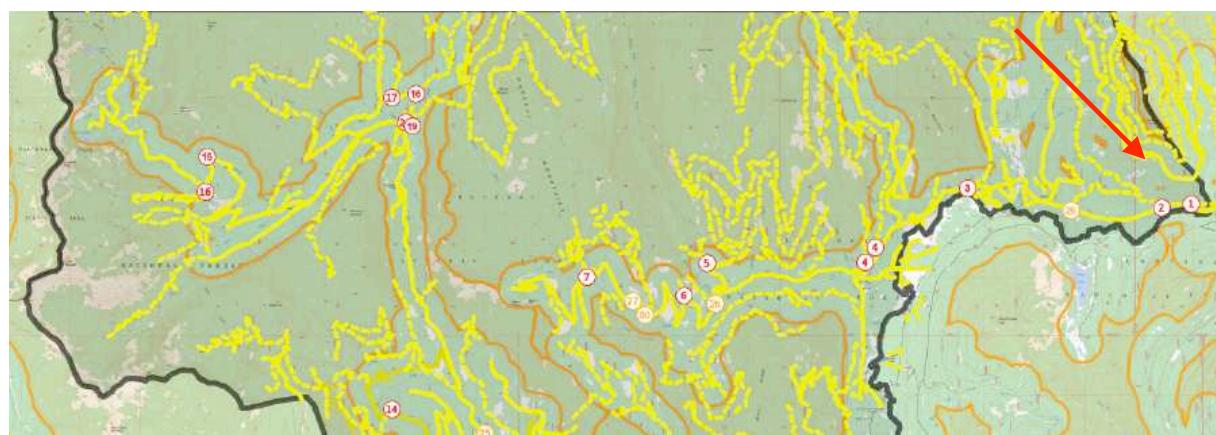
Site:	BR-1	
Road #, or description:	Road # 5821	
Coordinates:	48 57 08.4 / 115 32 56.4	
Site Notes:		
2020: Gate barrier. A user created bypass is located directly gate-left; approximately 8' wide passage with cleared/trampled vegetation. Grizzly bear tracks present in snow.		
		<p>ROAD # 5821 11/11/2022</p>

**BR 2- Coordinates: N 48.95161, W -115.55925**

**Date: 13 August 2024**

BMU 15 Female with young documented 2016-2023.

Barrier ineffective 2024. No notable change since November 2023. Barrier (berm) easily passed. Evidence of new user-created trail bypassing current insufficient berm.





C-Batch Waypoint X

Glacier Sherman Black Park

BR-2 6/2/2023, 2:30:06 PM 998

Location (1, 2023, 22:30:06 PM)

Elevation 3,403 ft

Coordinates 48.05701, -115.55925

Current Weather (21°F, 35%, -W 3/3)

No notable change since November 2022.

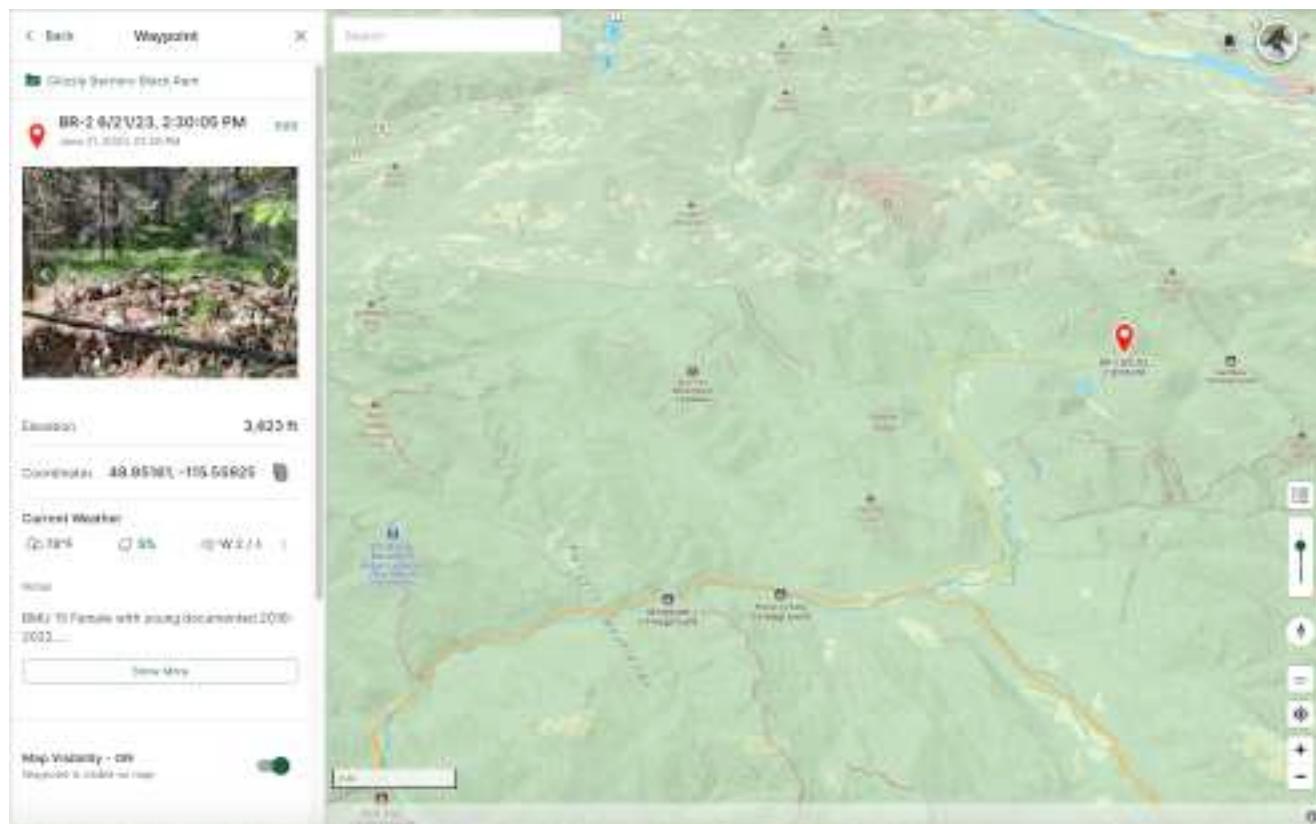
Weather showed early passed. Evidence of new snow created trail bypassing current insufficient track.

Show List

Map Visibility: Off

ROAD 92  
0% / 13 / total





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<b>Site:</b>	<b>BR-2</b>
<b>Road #, or description:</b>	unmapped user created road off of Highway 92
<b>Coordinates:</b>	48 57 05.8 / 115 33 33.3
<b>Site Notes:</b>	<p>2020: User-created road. Newberm installed-2021, can be bypassed to the barrier left and right. Takes off of highway 92, dropping down through the ditch and into a travel corridor through forest. Heavy tracksand rutting from motor-vehicle use. Miscellaneous litter along the travel corridor. Exceeds 300' in length.</p> <p>2022: This site has been bermed to prevent motor vehicle use since 2020. However, users have created a second path around the berm.</p>
	 

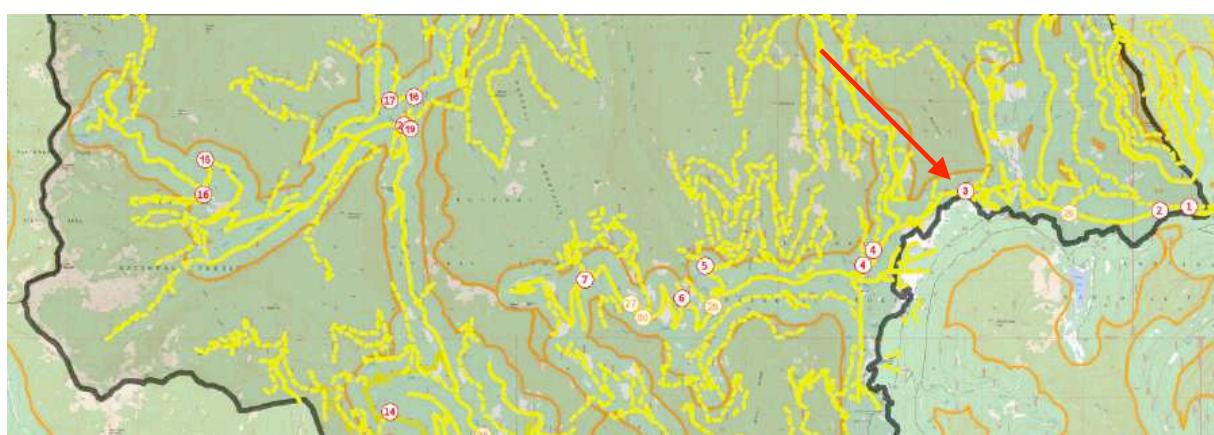
**BR 3- Coordinates: N 48.95650, W -115.63289**

**Date: 13 August 2024**

BMU 15 Female with young documented 2016-2023.

Barrier ineffective 2024. Change noted in 2023, small boulders to the gate left. Easily moved/removed, easily bypassed.

Remedy - large immovable boulder placed left of the gate.





C-Bear Waypoint X

Glacier National Park

BR-9 6/21/23, 2:32:16 PM

June 21, 2023, 2:32 PM



Elevation 1300 ft

Coordinates: 48.95650, -115.63199

Current Weather:

24°F 25 °F 25°F

Notes:

BR-9 To female with young documented 2009-2022

Notable change, moved boundaries to gate left.

Early snow/ice removed.

Permit/sage removed. All boundaries passed left of gate.

Show Less

Map Visibility: 0%

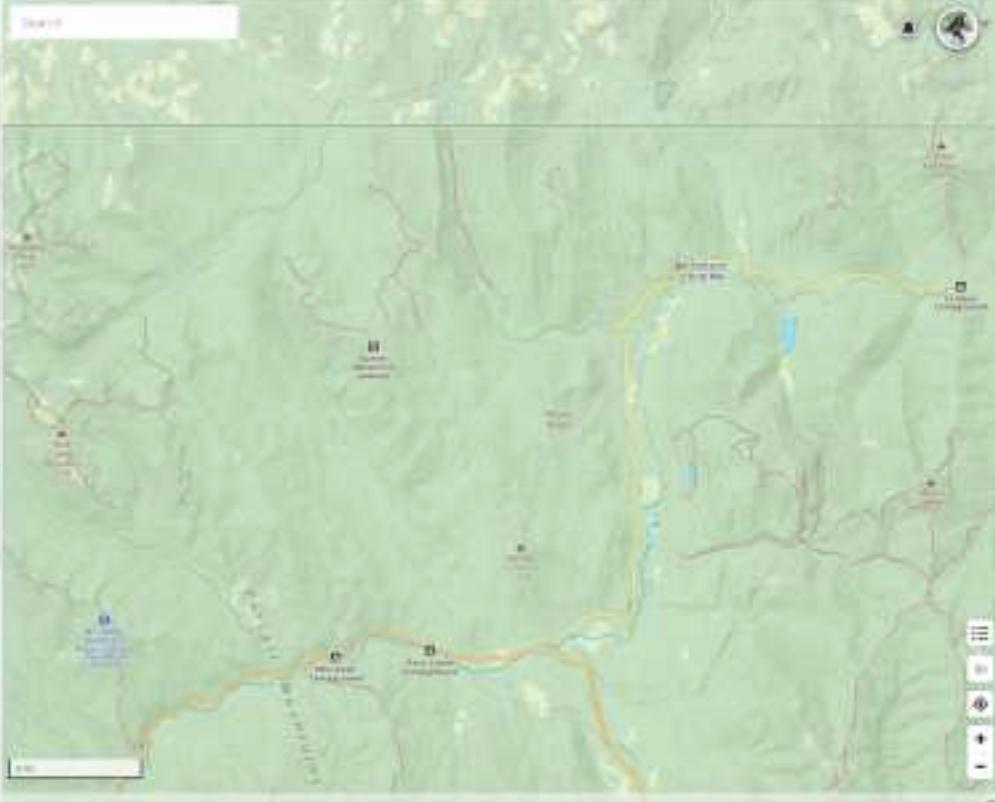


C Back Waypoint X

Check Barriers Black Point

BR-3 6/21/23, 2:32:19 PM

2004-01-01 00:00:00 21.22 mi



Elevation: 3,160 ft

Coordinates: 48.05600, -115.83200

Current Weather: 0°F, 3% -0°F 311.1

Notes:

BR-3 Y5 remains with signs discontinued 2019-2021  
Horse change; small barriers to gate left  
Early 2020 removed.  
Recently large removable barrier placed left of gate.

Show Lines

Map Variants - Off



<b>Site:</b>	BR-3	
<b>Road #, or description:</b>	Road # 5835	
<b>Coordinates:</b>	48 57 23.4 / 115 37 58.4	
<b>Site Notes:</b>		
2020: Gate with small boulders. 5' wide passage directly to gate-left. Juniper shrub is not a sufficient barrier. Tire rutting and tracks behind the gate on the road bed, indicating illegal MV use.		



ROAD # 5835

11/11/2022

2020-2021

**BR-4**

**Coordinates N 48.93858, W -115.66956**

**Date**

Woodcutter present 2024.08.13

◀ Back      Waypoint X

Orchard Butte Ranch Park

BP-4 0/2/23, 2:33:47 PM 121

Location: 48.93858, -116.66958

Elevation: 3,215 ft

Current Weather:

8°F 27% 42°F 4.1% 0.0 in

Notes

BP-11 Female with young documented 2010-2022.  
Southwest barn. The barns noted to left of barn, around plants, to front of and behind barn.  
Hiking trail with barn on 0540 road which is also a trail back to cabin area remastered.  
Access down hiking trail.  
Renee-Melissa (b) barn with fence and all borders.

Search



Back Waypoint X

Orchard Valley Black Bear

BB-4 6/23/23, 2:53:47 PM 229  
Lat: 46.92658, Long: -115.66956



3,215 ft

Coordinates: 46.92658, -115.66956

Current Weather: 12°F 25% 45% SW 9.1 mph

SW 9.1 mph

SW 9.1 mph

BB-4 6/23/23, 2:53:47 PM 2022

Biking Trail: Easly passable with unassisted vehicle

Bearily: Increased items with trash and odd body parts

Black Bear

Map Visibility - CH

## Berm right

Back    Waypoint    X

01226 Harbor Black Bear

BR-4 6/21/23, 2:33:47 PM

June 21, 2023, 11:33:47



Elevation: 3,219 ft

Coordinates: 48.93658, -115.00950

Current Weather:

81°F 2% 47°F W 1.7 mi

Notes:

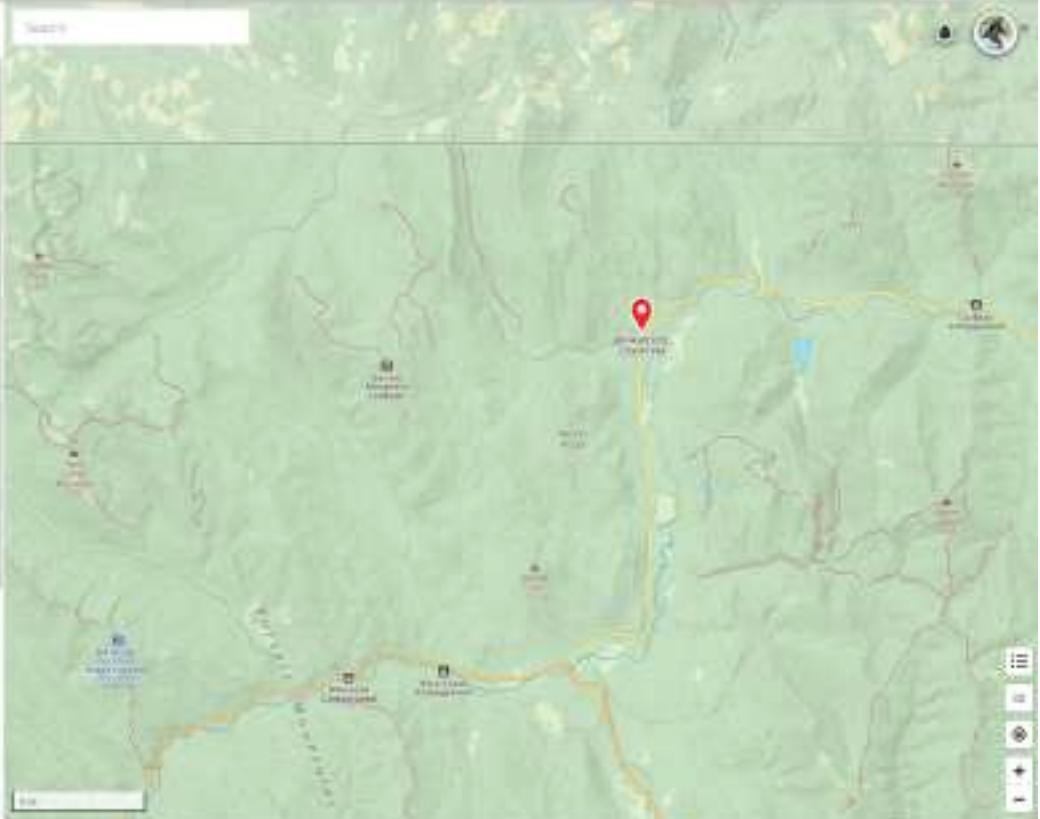
BRU 15. Female with young documented 2010-2021.

Hiking Trail: Easier passage with restricted views.

Seasonal Increases: Larvae with insects and wildflowers.

Show less

Search



## Berm left

C Back      Waypoint X

Orbita Barren's Back Home

BR-4 6/21/23, 2:33:47 PM

Location: 40.93858, -115.60156

Elevation: 3,215 ft

Coordinates: 40.93858, -115.60156

Current Weather: 50°F, 2%, 40°F WSW 10-15 mph

Notes: 8 MU, 15 Females with young documented 2010-2022. Young Trail: Early (post-lactation) AKA Postpartum. Females: Increase in berm width (trough) and odd (sudden) activity.

Underline

Map Visibility: 100%

The image shows a mobile application interface for tracking a grizzly bear's location. The top half of the screen displays a map with a red pin marking the location at 40.93858, -115.60156, elevation 3,215 ft. The map also shows a trail and various geographical features. The bottom half of the screen shows a photograph of a rocky, overgrown berm in a forested area, likely the 'Berm left' mentioned in the title. The application interface includes a header with 'C Back' and 'Waypoint', a search bar, and various control buttons.

<b>Site:</b>	BR-4
<b>Road #, or description:</b>	Road # 5839
<b>Coordinates:</b>	48 56 18.9 / 115 40 10.4
<b>Site Notes:</b>	
<p>2020: Berm with signposts; no sign. A low spot passage through berm-left. Tire Ruts have reshaped the berm to be accessible via single-track /ATV.</p>	
	
	

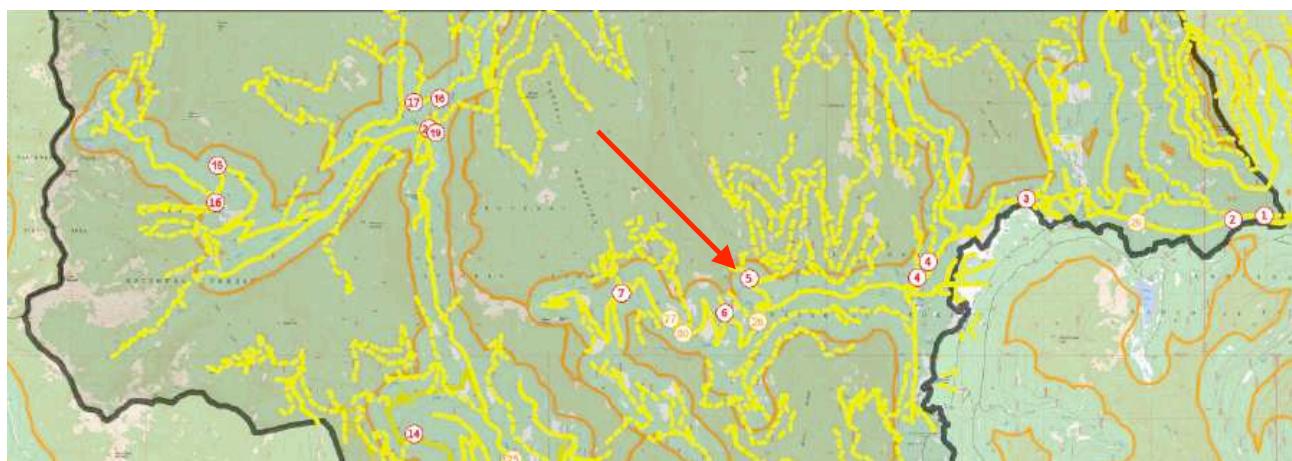
**BR 5**      **Coordinates N 48.93858, W -115.66956**

**Date 2024.08.13**

BMU 15 Female with young documented 2016-2023.

Barrier ineffective 2024. Insufficient berm. Tire tracks noted to the left of the berm, around the berm, in front of, and behind berm in 2023.

Remedy-increase berm with trench and add boulders.





Base      Waypoint      X

Grizzly Barnes Ranch Road

BR-5 6/21/23, 2:33:47 PM      Sat  
June 21, 2023, 02:33:47 PM

Geotag: 2,219 ft

Coordinates: 48.93858, -116.66938

Current Weather:  
21°F 25% 0°/32W 8.1 31

More info

BR-5 Forest with young thinnings 2018-2022.  
Influence in barn. The track is used to left of barn, around barn, to right of and behind barn.  
Kenney-influence barn with stream and add buildings.

Loc



C Back Waypoint X

Grizzly Barren's Black River

BR-5 6/21/23, 2:33:47 PM 1.01  
2023-06-21 14:33:47 1.01

Elevation 3,215 ft

Coordinates: 48.93858, -115.66956

Current Weather

50°F 2% 45°F 5/10

Notes

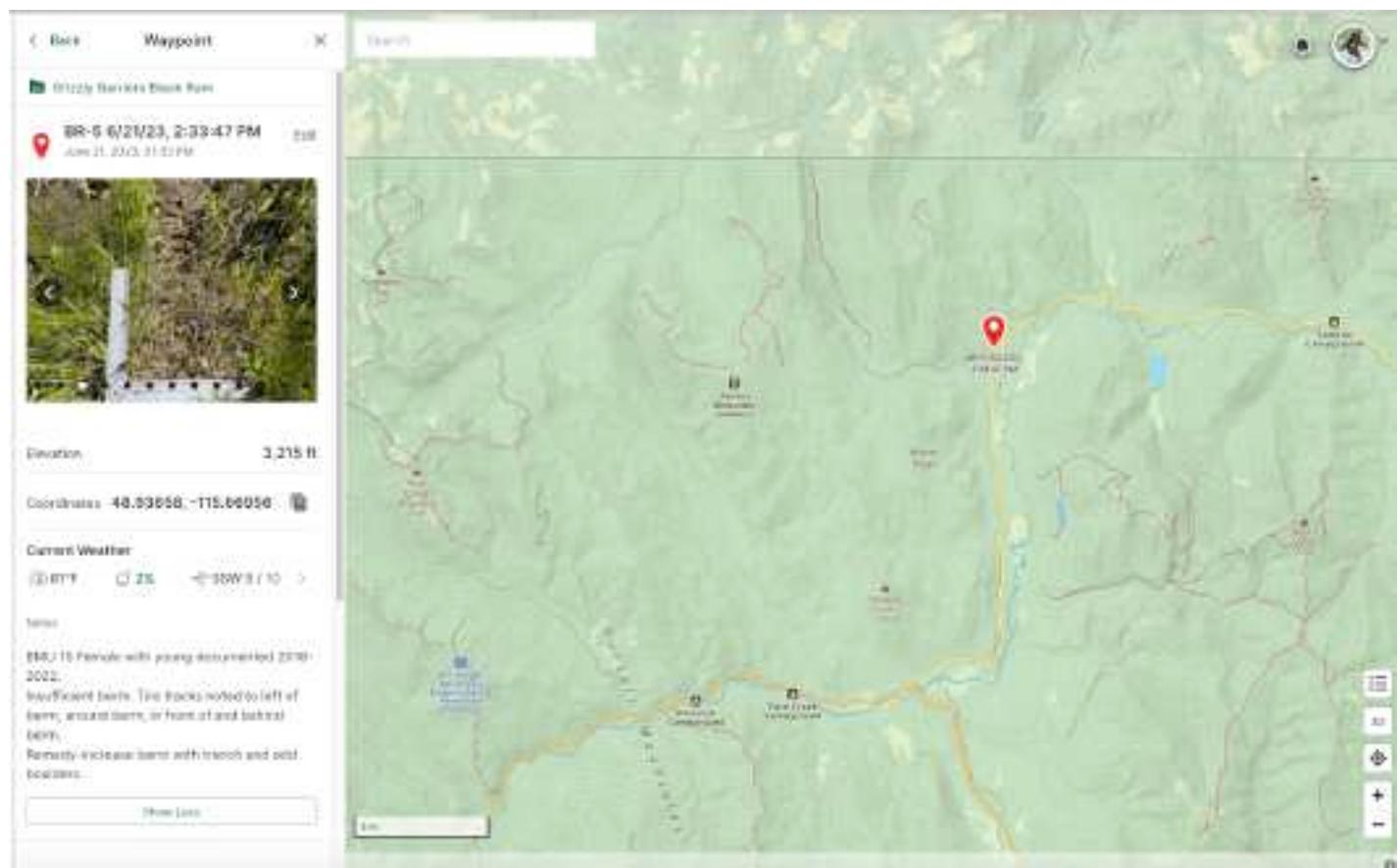
GRU 15 Female with young documented 2022. insufficient bear. Tie tracks noted to left of trail around bear. In front of and behind bear. Grizzly tracks bear with fresh and sub-adult.



Back Waypoint X

01226 Bartram's Bitter Root

BR-6 6/2/23, 2:33:47 PM 218  
June 21, 2023, 21:21 PM



<b>Site:</b>	BR-5	
<b>Road #, or description:</b>	Road # 276	
<b>Coordinates:</b>	48 56 16.7 / 115 43 38.0	
<b>Site Notes:</b>		
2020: Berm with a 4' wide rutted passage through berm left. Looks as though it was possibly left open for ditch relief/drainage, but is being used by motor-vehicles to bypass barriers. Visible tire tracks in soil and grasses laid down from use.		
		

**BR 6**      **Coordinates N 48.93797, W -115.72722**

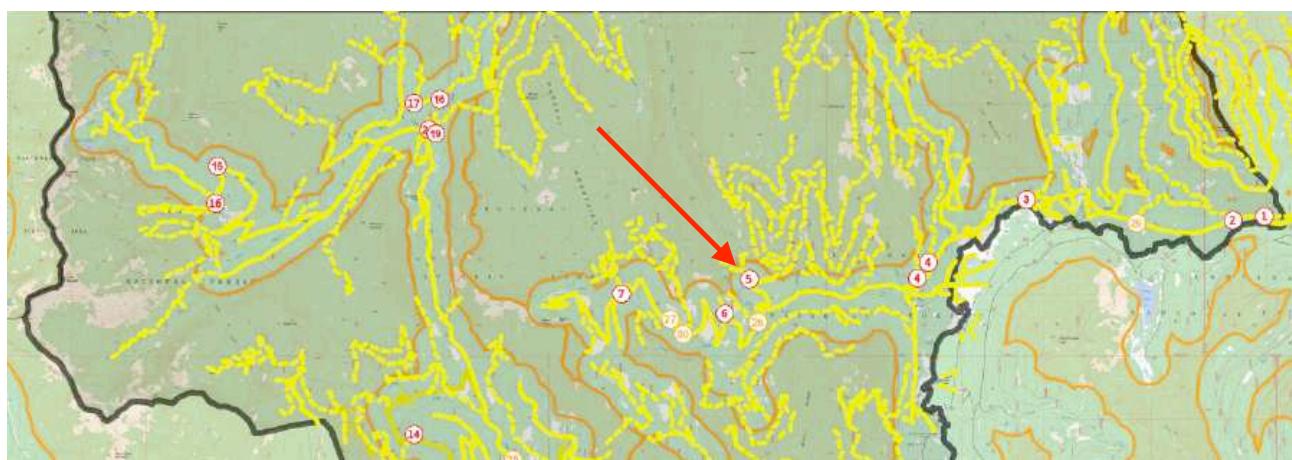
**Date 2024.08.13**

BMU 15 Female with young documented 2016-2023.

Barrier ineffective 2024. Quality of barrier is unchanged since the last site visit in November 2023.

Recent rutting/tire tracks, potentially from a motorcycle visible 2023.

Remedy: Berm and or boulders or gate or all of the above.



Road behind barrier is passable.



Back Waypoint X

Grizzly Bear's Rock Run

BR-6/21/23, 2:35:55 PM

Location: 48.83797, -115.72722



Location: 48.83797, -115.72722

Elevation: 3,558 ft

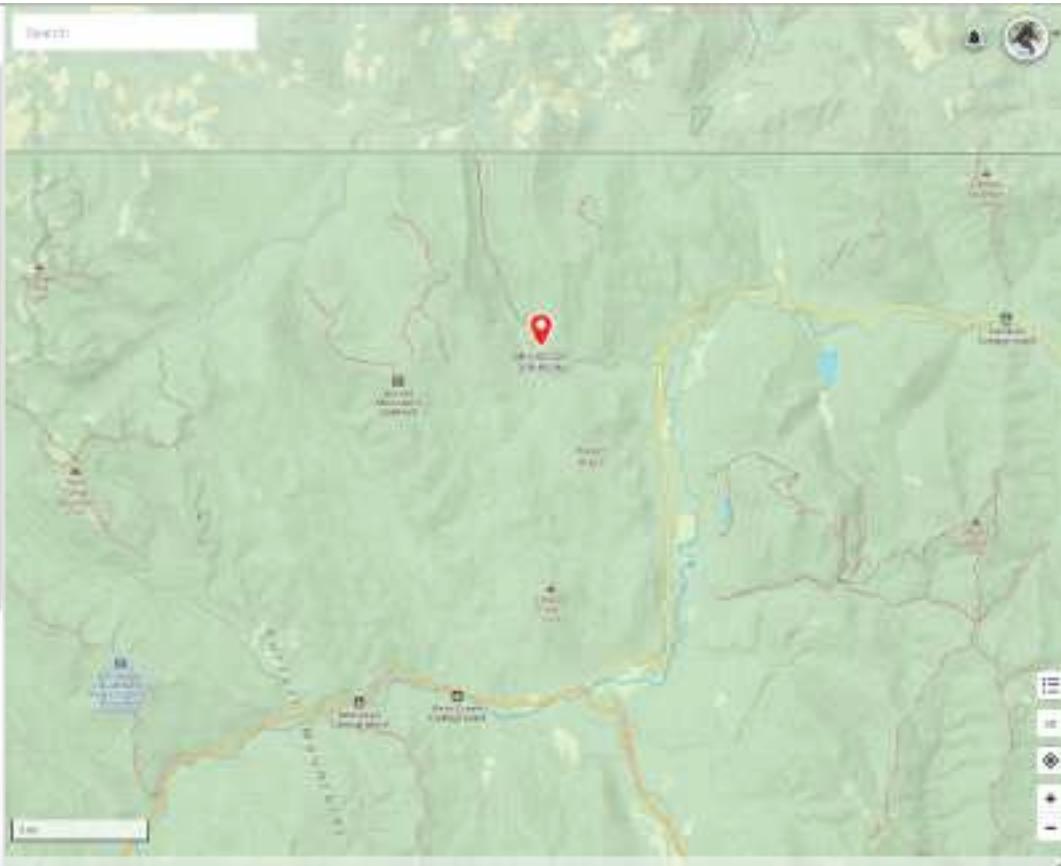
Coordinates: 48.83797, -115.72722

Current Weather: 85°F, 78% WSW 47.7

Notes: GRU 15 female with young documented 2010-2012. Quality of barrier archaeological sites last site visit November 2012. Recent (July) fresh tracks, potentially from maturing cubs. Remedy: Birth and w/ V-odometer gets.

Show Less

Map Visibility: ON

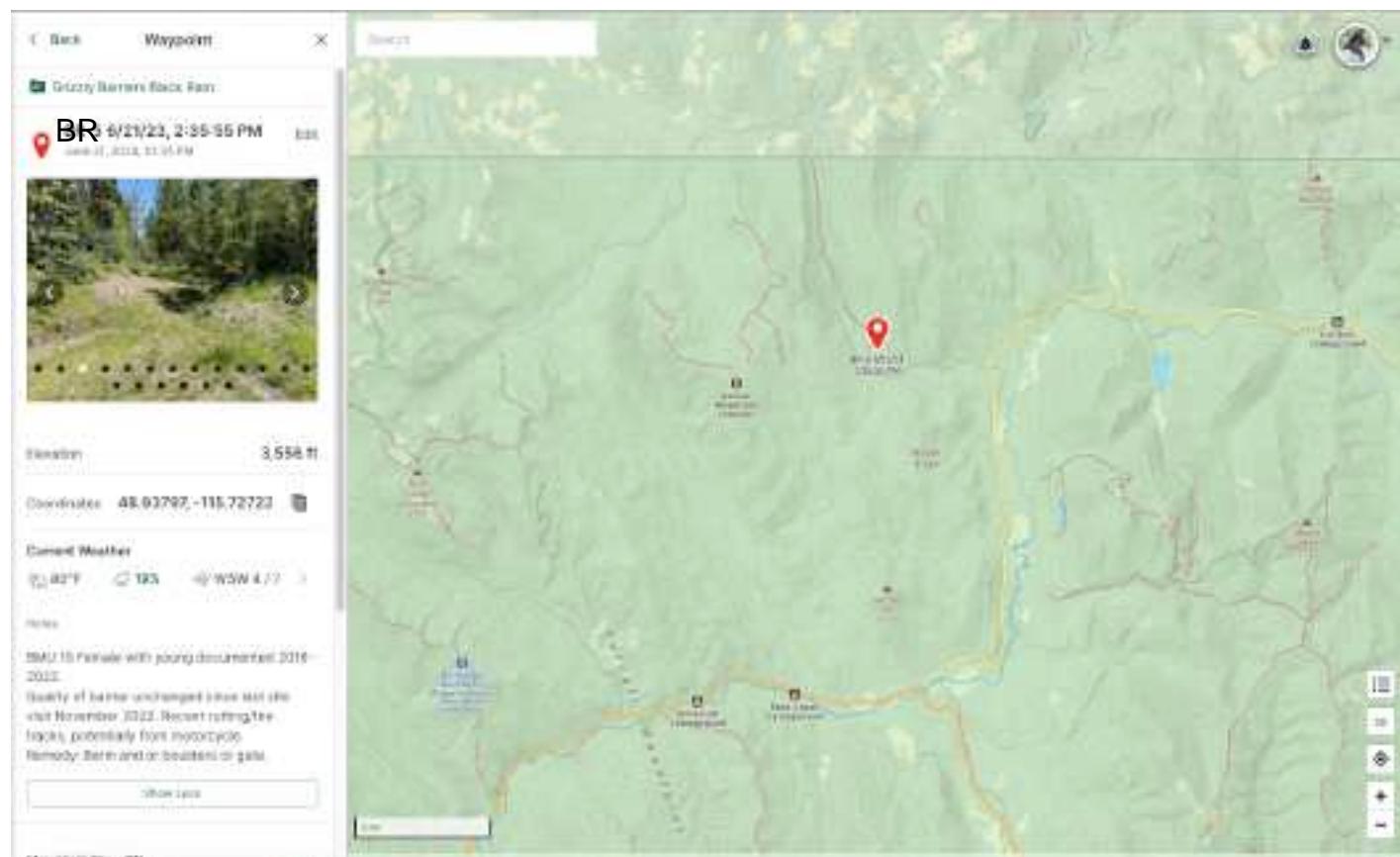




Back Waypoint X

Gizzly Barriers Back Road

BR 5/21/23, 2:35:55 PM 0:00  
Location: 48.03797, -115.72723



Altitude: 3,558 ft

Coordinates: 48.03797, -115.72723

Current Weather: 82°F, 13% chance of rain, NNE 4.77 mph

Notes: BMU 15. Farrow with young documented 2016-2018. Quality of barrier unchanged since last site visit November 2022. Recent cutting tree looks, potentially from motorcycle. Remedy: Bar in and/or beatdown or gate.

Map Visibility: On



BR-



<b>Site:</b>	BR-6
<b>Road #, or description:</b>	(unmapped) User created road off of road # 5857
<b>Coordinates:</b>	48 55 49.5 / 115 44 12.1
<b>Site Notes:</b>	
<p>2020: Looks to have been bermed to the right of the user created road, but currently has no barrier to prevent passage. Tracks, rutting and signs of dispersed camping along the travel corridor. Full vehicle width</p>	
	
	

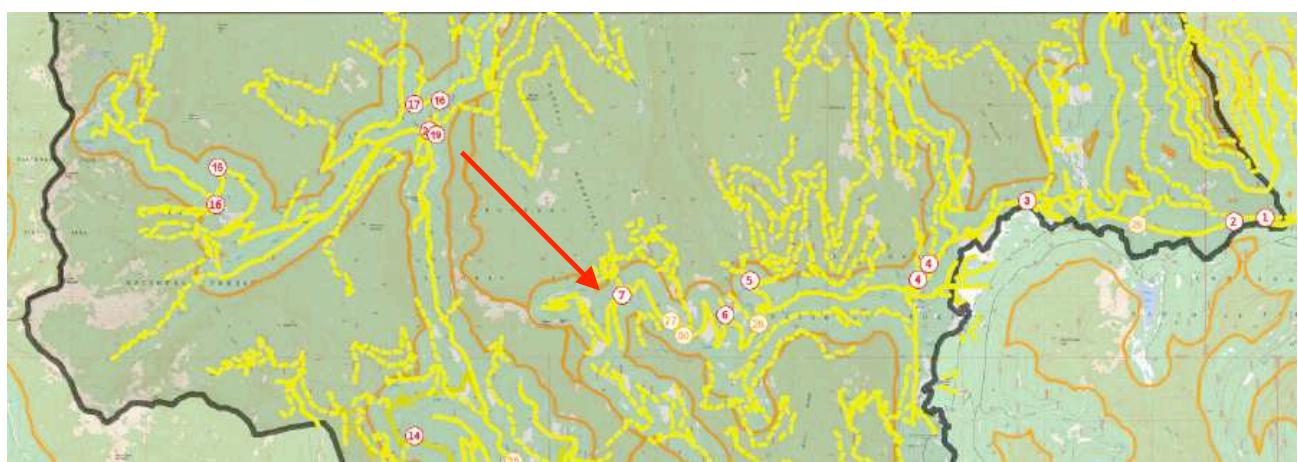
**BR 7**

**Coordinates: N 48.93478, W -115.77294**

**Date 2024.08.13**

BMU 15 Female with young documented 2016-2023.

Barrier ineffective 2024. No change to barrier since November 2023, no obvious recent use but still open access. Motorcycle tracks present in 2023.



Barrier passable by ATV or motorcycle.



< Back      Waypoint X

Drizzly Barriers Block Name

BR-7 6/21/23, 2:38:58 PM 50.11

June 21 2023, 14:38:58

ROAD 5860  
06/23/2023

Elevation 4,621 ft

Coordinates 48.93478, -115.77294

Current Weather 34°F 0% WSW 6.1 mi

Notes:  
BBU 12 Fawns with young documented 2020-2021.  
No change in barrier since February 2022, no  
obvious Acert line but still over 1000ft.  
Motorcyclists present.

Show less

Map Visibility - ON  
Apparel & Tools on Map



Back Waypoint

Orion Barrier Back Rain

SR-7 6/21/23, 2:38:58 PM

June 21, 2023, 03:38 PM



Elevation: 4,521 ft

Coordinates: 48.03478, -115.77204

Current Weather:

74°F 6% -10 MPH N 1.9

Notes:

BBM 15. Female with young documented 2010-2022. No change to barrier since November 2002, no obvious recent use but still open access. Mountain bike tracks present.

View List

Map Visibility: ON

Map 0111, Section 01





← Back      Waypoint X

Grizzly Barnes's Black Bear

BR-7 6/21/23, 2:29:58 PM      Get  
June 21, 2022, 11:39 PM



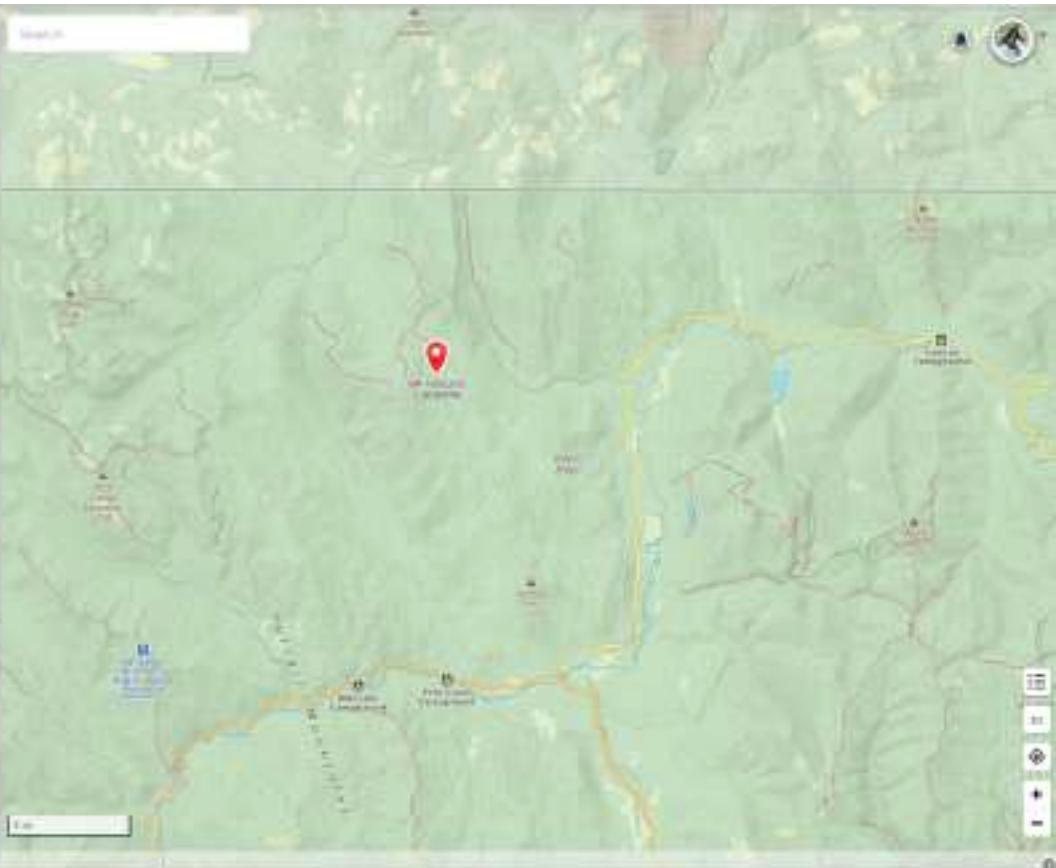
Latitude: 48.93478, Longitude: -115.77294

Current Weather:  
24°F 0% 0.00W 1.0

Notes:  
BR-11 Forest with young aspen trees 2018-2022.  
No changes to status since November 2022, so  
assume recent use but still open to use.  
Mountain bike tracks present.

Show Map

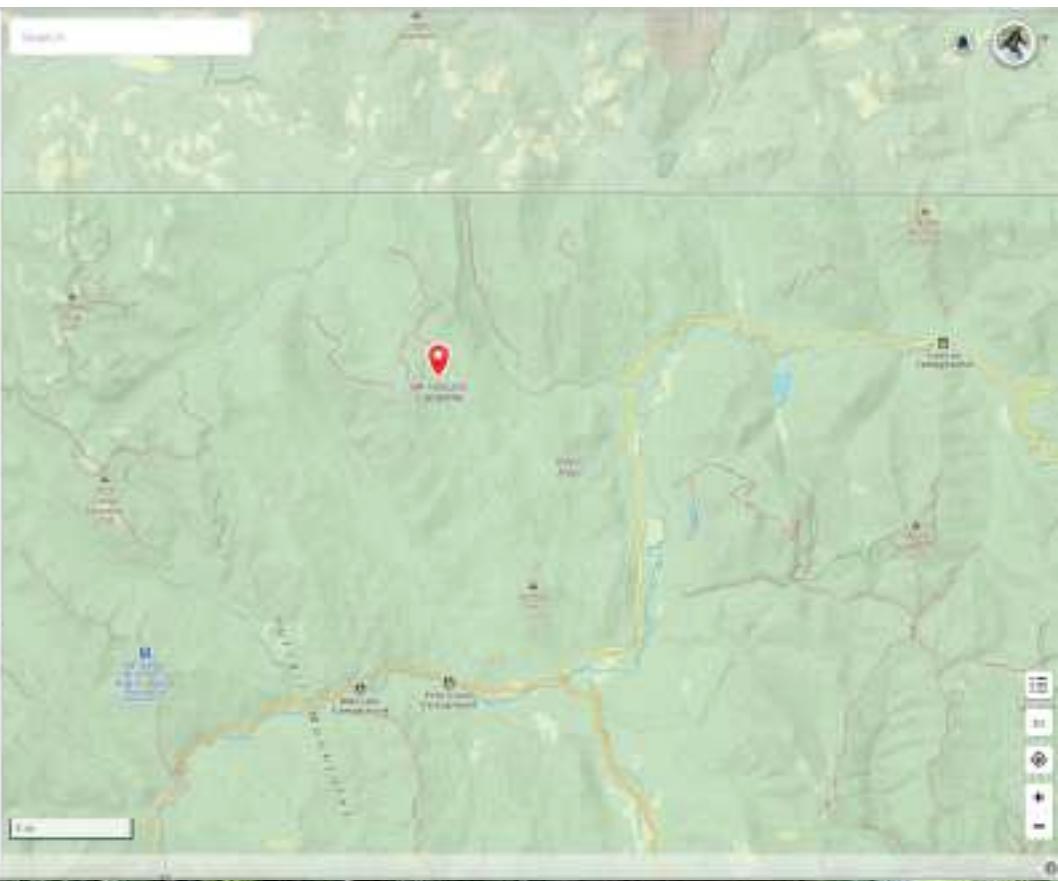
Map Visibility - CW  
Previous to visible on map

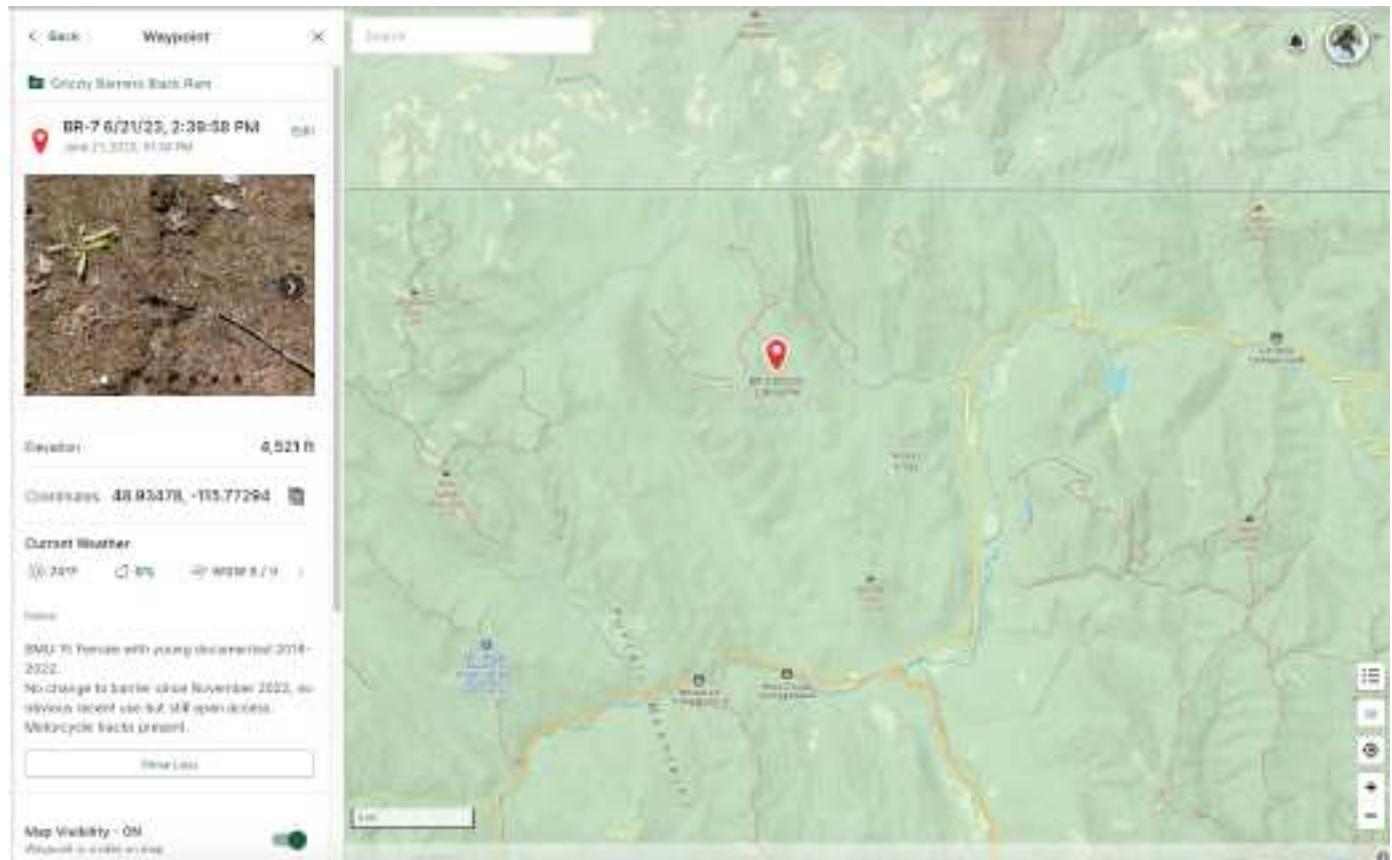


Base Waypoint X

Grizzly Bear's Back Road

BR-7 6/21/23, 2:29:58 PM Set  
June 21, 2022, 11:39 PM





<b>Site:</b>	<b>BR-7</b>	
<b>Road #, or description:</b>	Road # 5860 / French Creek Trail # 22	
<b>Coordinates:</b>	48 56 05.2 / 115 46 22.6	
<b>Site Notes:</b>	<p>2020: The berm located at the end of road 5860, the start of the French Creek trail, has a 3.5' wide passage to the berm-right. Woody debris has been laid along the fill-slope to widen the passage. Single track rutting from MV or 'fat-tire' bike.</p>	
		



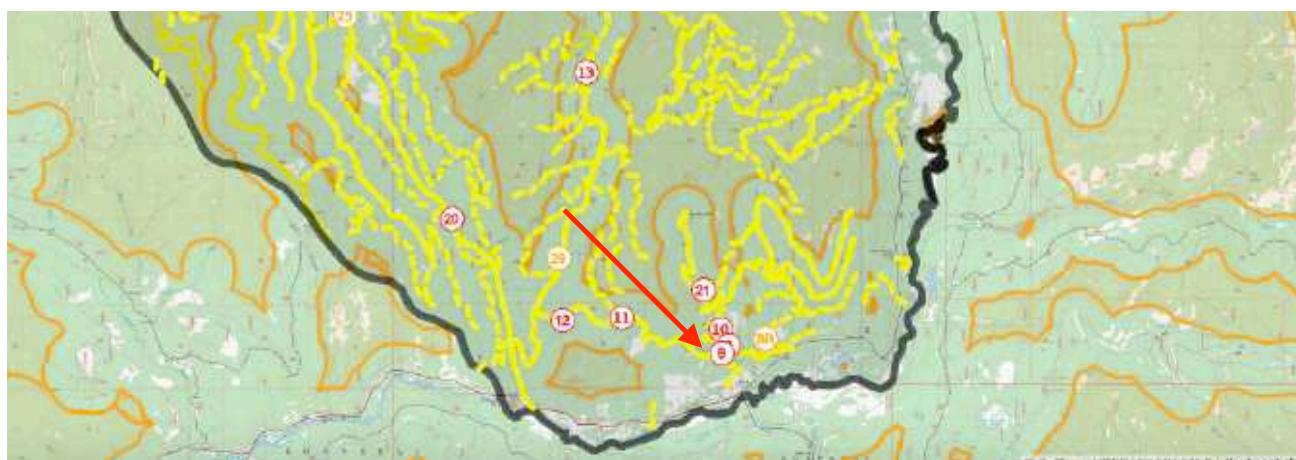
**BR 8**

**Coordinates: N 48.83892, W -115.71231**

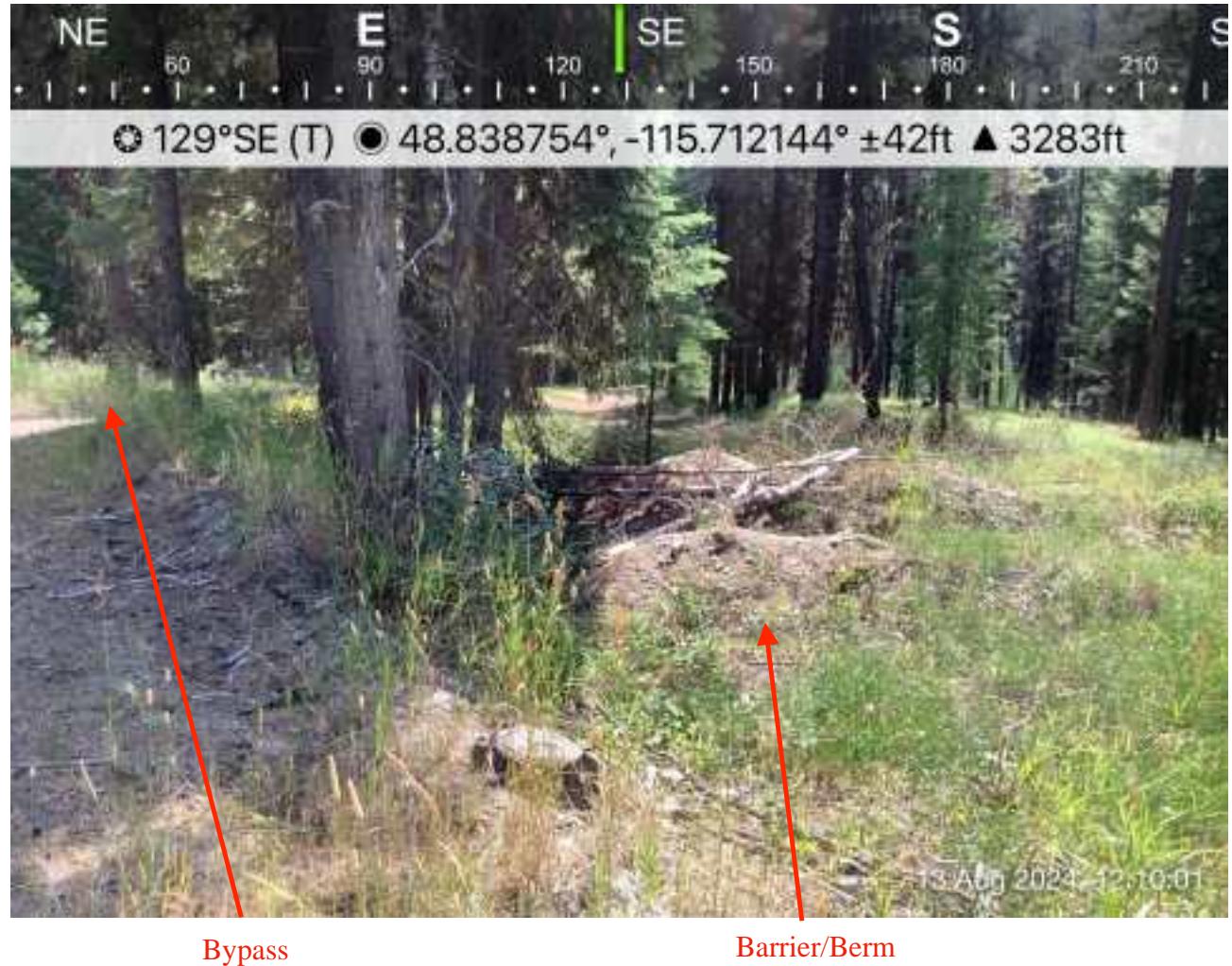
**Date 2024.08.13**

BMU 15 Female with young documented 2016-2023.

Barrier ineffective 2024. No notable change in barrier since November 2023. The berm barrier is present, however, the barrier has been completely negated by the user-created road circumventing barrier. Full vehicle width, obvious and recent use.



Berm with bypass in background.



Basin Waypoint X

Grizzly Bear: Back Road

BR-B 6/21/23, 2:45:56 PM

June 21, 2023, 02:45 PM

Elevation 3,300 ft

Coordinates 48.83862, -115.71231

Current Weather 82°F 0.1 in 0.0 in

Note: BR-B 13 Female with young documented 2010-2021. No notable change in behavior since November 2022. No cubs present, however, female has been consistently recorded by trail cameras and consuming berries. Full weight with, atrophy, and recent use.

Share



Basemap: Wepoint

Grizzly Riverback Ranch

BR-8 6/21/23, 2:45:58 PM

Location: 31° 30' 00", 101° 10' 00"

Elevation: 3,300 ft

Coordinates: 31.50000, -101.16667

Current Weather: 62°F, 95%, 80% chance of rain

Note: KMV 15. Fence with young documented 3/16/2022. No notable change in barrier since 3/16/2022. Bear barrier project, however barrier has been completely negated by user-created road circumventing barrier. Ref vehicle with, drivers and riders use.

Take Photo

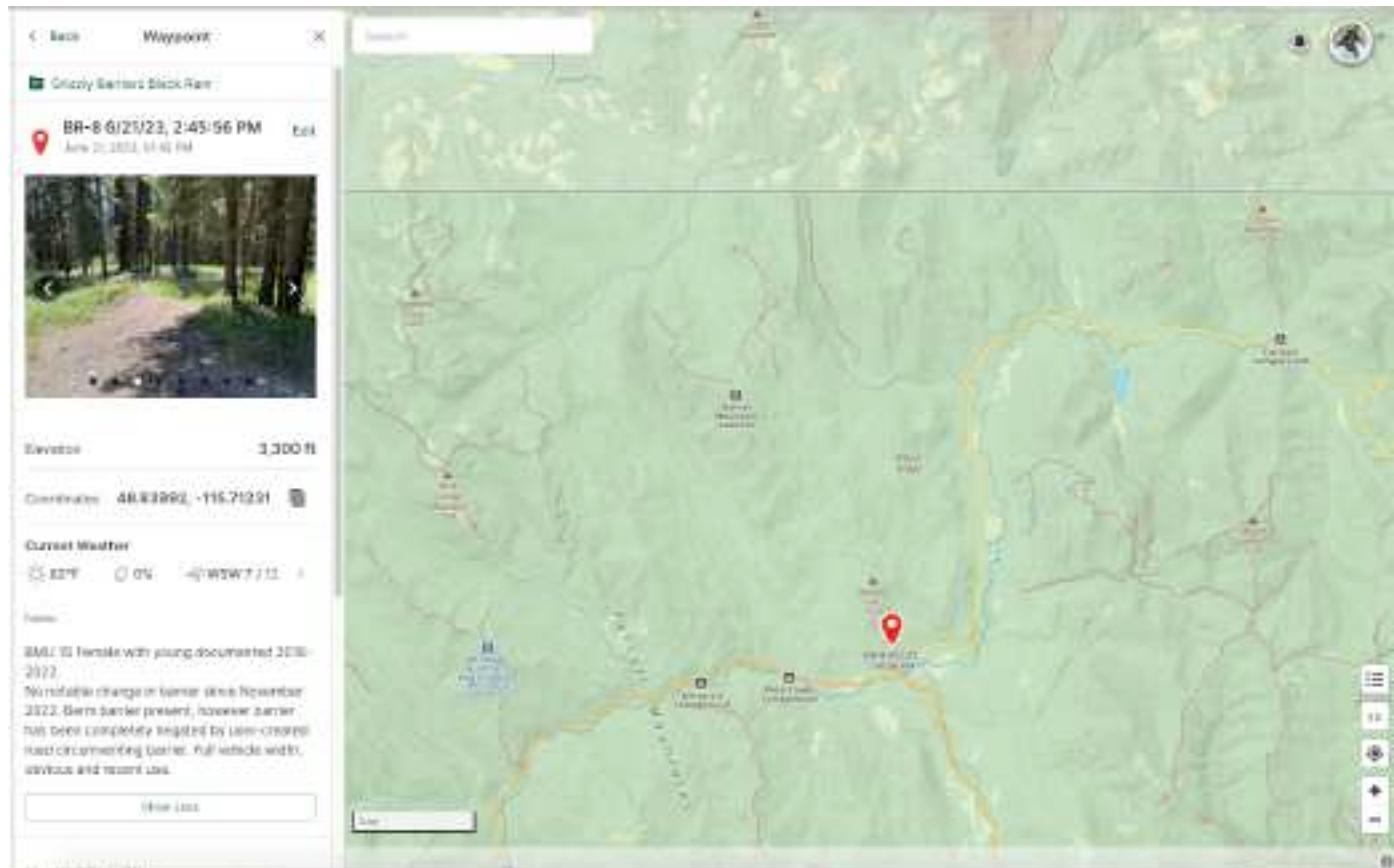
Map



C Back Waypoint X

Grizzly Bear's Block Ram

BR-8 6/25/23, 2:45:56 PM Sat June 24, 2023, 6:46 PM



Elevelev 3,300 ft

Coordinates: 48.832992, -115.71291

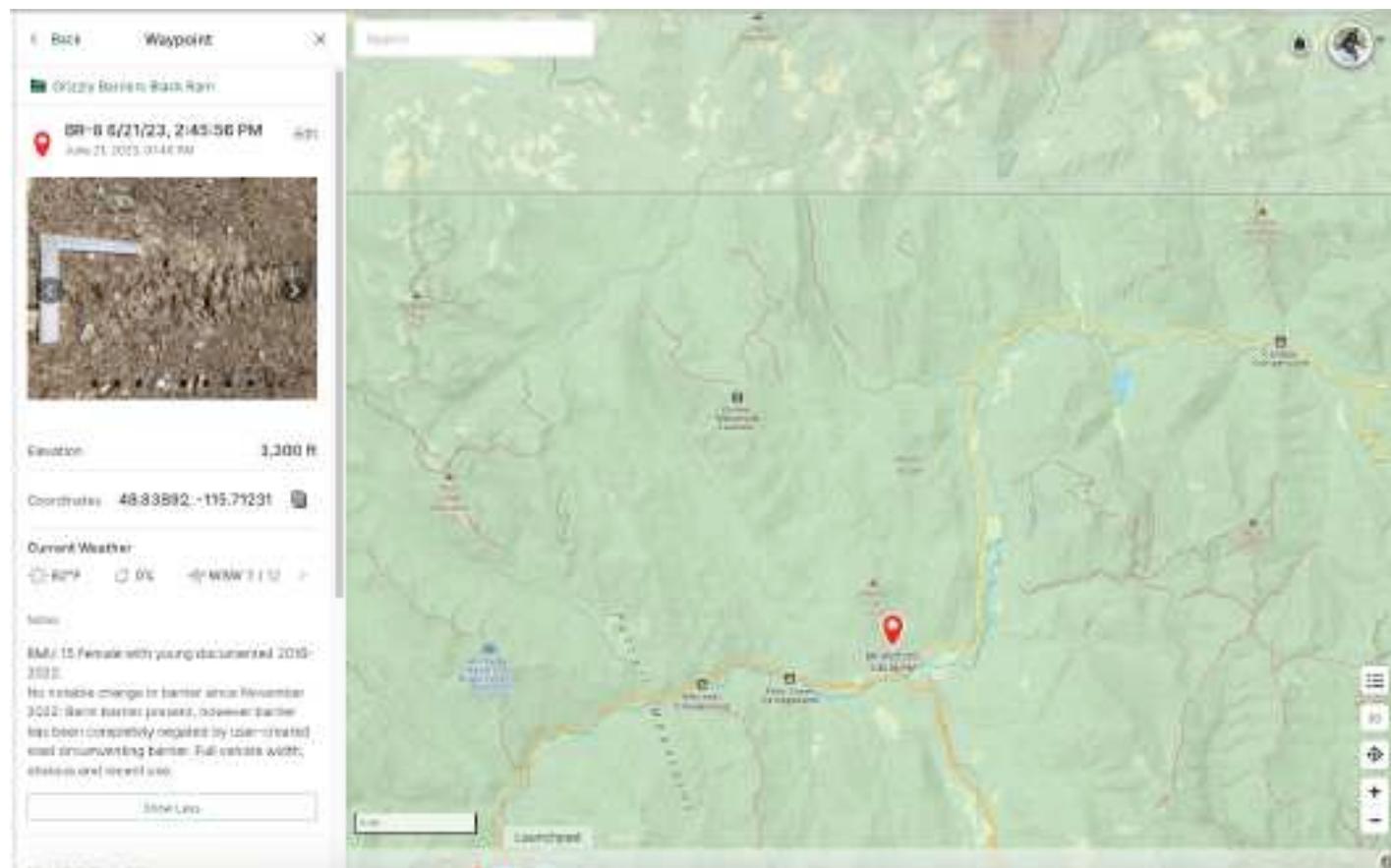
Current Weather: 82°F 0% 40% WNW 7.12

Notes: BML 13 female with young documented 2018-2022. No notable change in burns since November 2022. Burn barrier present, however barrier has been completely breached by user-created road circumventing barrier. Full vehicle width, vehicles and recent use.

View less

View



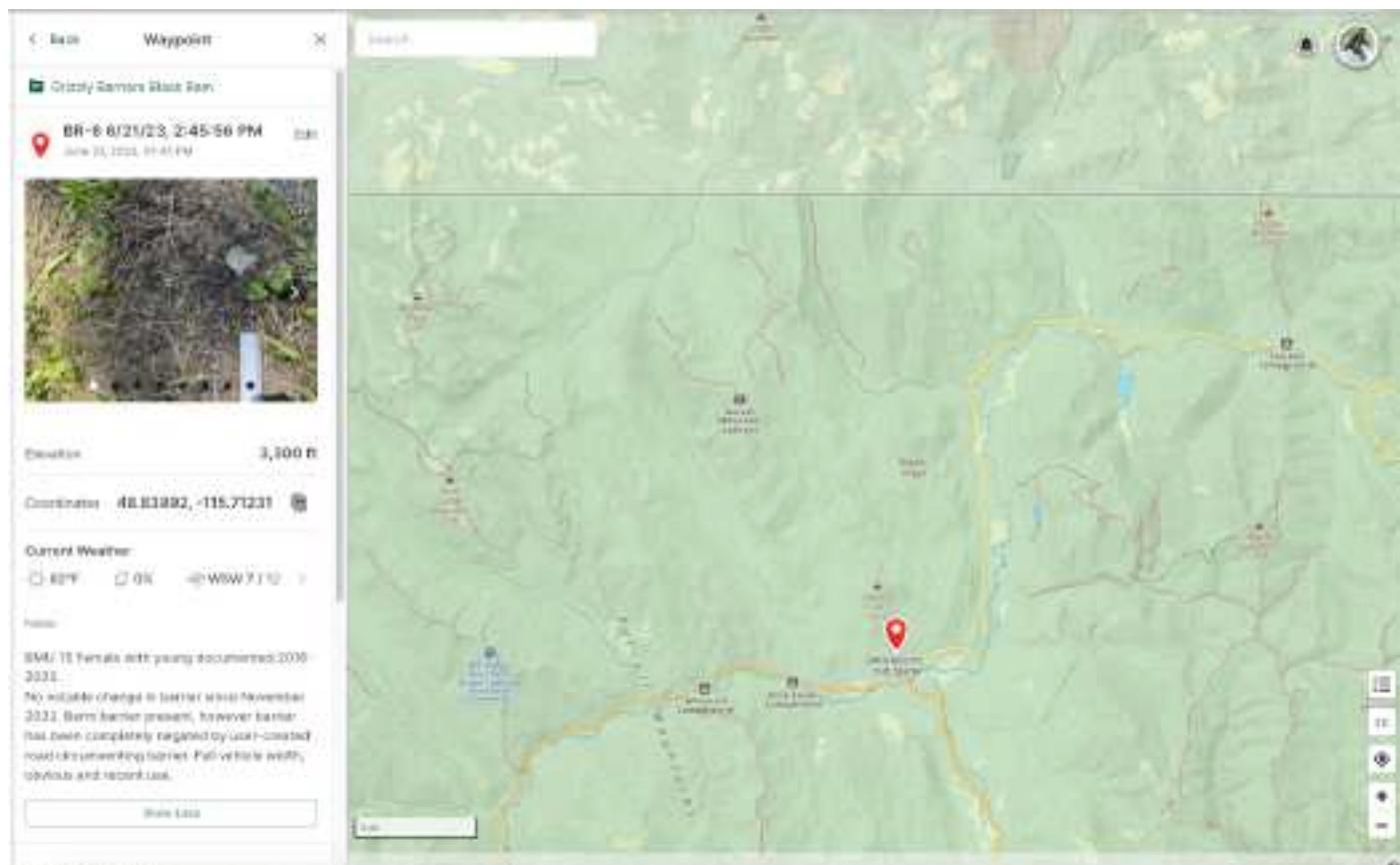


Basin Waypoint

Grizzly Bear's Birth Den

BR-6 6/21/23, 2:45:56 PM

June 21, 2023, 09:45 PM



Location: 3,100 ft

Coordinates: 48.83892, -115.71231

Current Weather:

62°F 0% WNW 7.1 mi

Notes:

SMU 15 female with young documented 2020-2021. No notable changes to barren slope November 2023. Barn marker present, however barn has been completely nargated by bear-coated road debris remaining barren. Path or hole width obvious and recognizable.

Show Loco



<b>Site:</b>	BR-8
<b>Road #, or description:</b>	Road # 5890
<b>Coordinates:</b>	48 50 20.1 / 115 42 44.3
<b>Site Notes:</b>	<p>2020: Shallow berm located across the road at the junction of 5892 and 5886. There is a full vehicle sized passageway approx. 50' to berm-left. Looks to be traveled frequently, major rutting and tracking from MV use. Barrier is ineffective and can be bypassed easily.</p>
	
	

**BR 9**

**Coordinates: N 48.84036, W -11571083**

**Date:**

Back Waypoint

Grizzly Bear's Black Ram

BR-9 6/29/23, 2:47:40 PM

June 29, 2023, 14:47 PM

Elevation 3,394 ft

Coordinates 48.84836, -115.71083

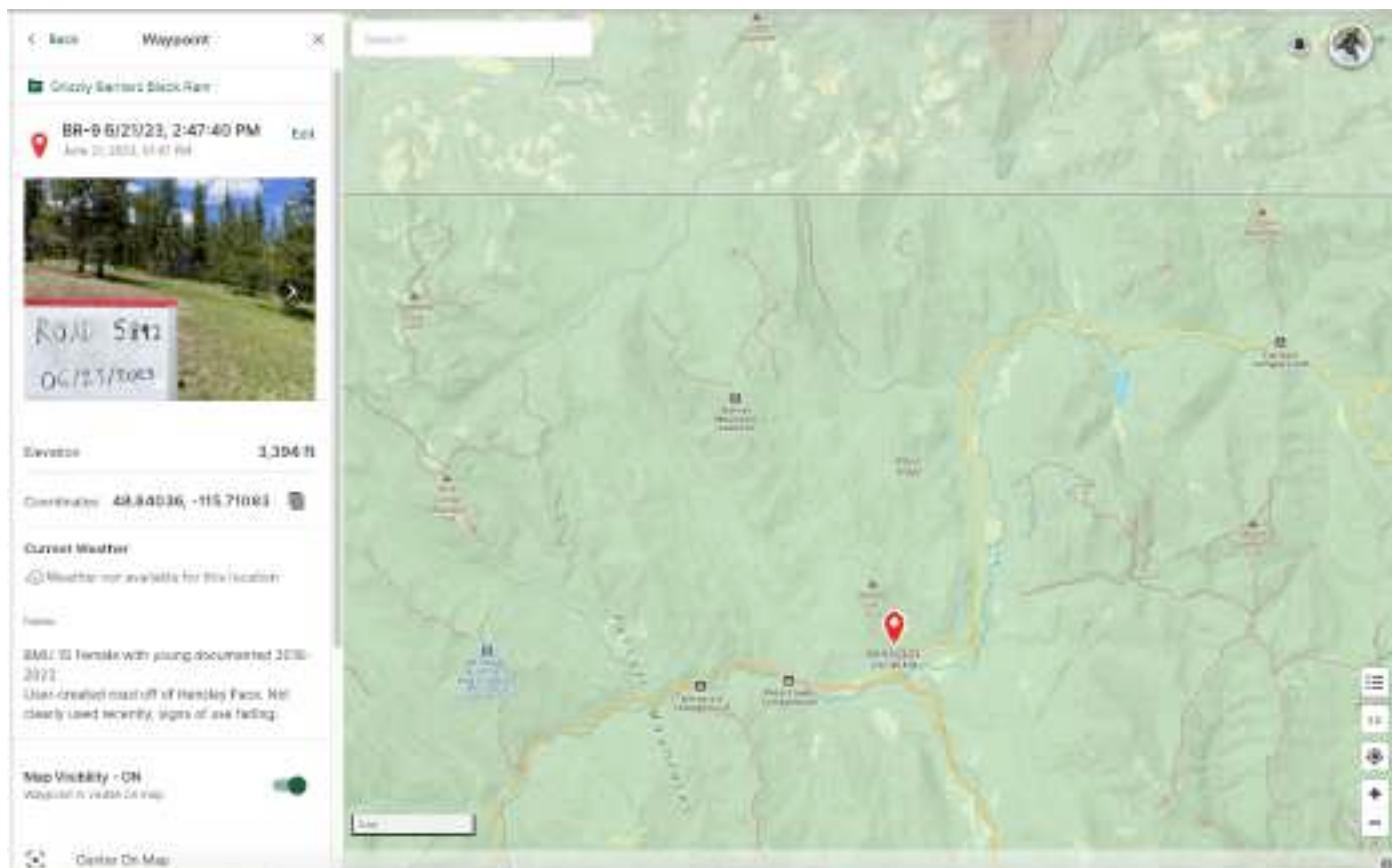
Current Weather Weather not available for this location

Notes BMU 12 female with young documented 2016-2017. User-created road off of Hensley Pass. Not clearly used recently, signs of use fading.

Map Visibility - ON

Waypoint is visible on map





<b>Site:</b>	<b>BR-9</b>	
<b>Road #, or description:</b>	(unmapped) User created road off of road # 5892	
<b>Coordinates:</b>	48 50 25.3 / 115 42 39.0	
<b>Site Notes:</b>		
2020: User created road. Looks to possibly have been bermed in the past, but now is nothing more than a 'bump'. Ineffective barrier and can be driven over by full-sized MV. Exceeds 300' in length.		
		

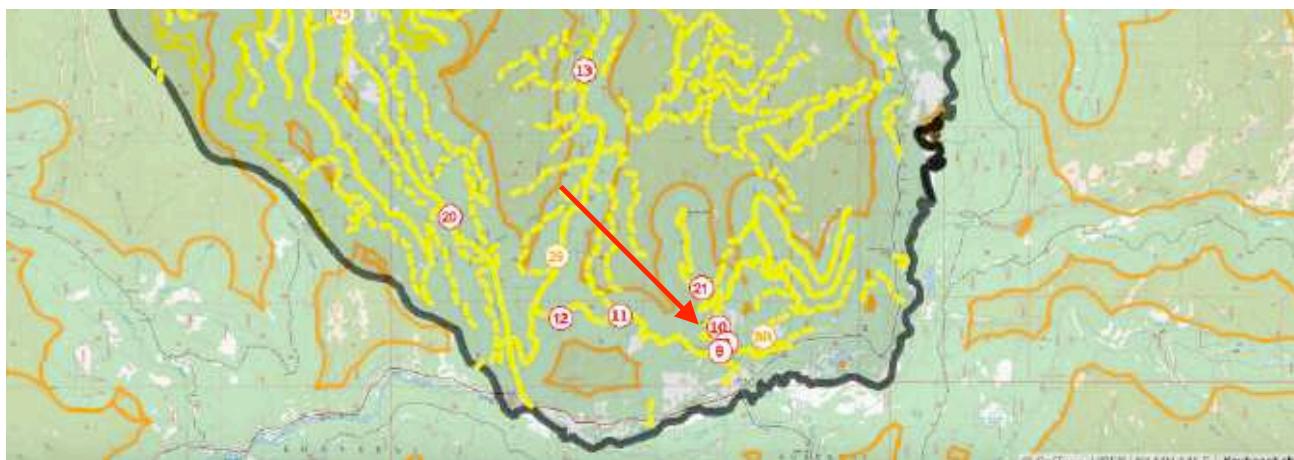
**BR 10**

**Coordinates: N 48.84303, W -11571275**

**Date: 2024.08.13**

BMU 15 Female with young documented 2016-2023

Barrier ineffective 2024. Insufficient berm barrier, barely a bump-passable in Subaru Outback. No impediment to motorized vehicles. Road easily accessible off of main NF Rad 5872. Remedy: Berm, boulders, gate. Barrier needs to extend uphill and downhill from gate.





Route      Waypoint      X

Grizzly Barriers Block Ram

BR-10 6/21/23, 2:49:08 PM      5.88

area 12,123, 11-40 PM

ROAD 5841  
06/23/2023

Elevation: 3,630 ft

Coordinates: 48.84385, -115.71275

Current Weather:

Cloudy 65°F 0% 0.0MM 7/12

Notes:

RMU 15 fence with young downed trees 2018-2022  
insufficient arm barrier, nearly a herd. No  
impediment to motorized vehicles. Early  
impeded by vehicles including 4x4s and  
trucks.  
Remainder down, isolated, gate...

ROAD 5841  
06/23/2023





<b>Site:</b>	BR-10
<b>Road #, or description:</b>	(unmapped) User created road off of road # 5892
<b>Coordinates:</b>	48 50 34.9 / 115 42 45.9
<b>Site Notes:</b>	
	<p>2020: Insufficient berm, nothing more than a minor bump. No signage. Exceeds 300' in length. Looks driven often by full-sized vehicles.</p> 
	

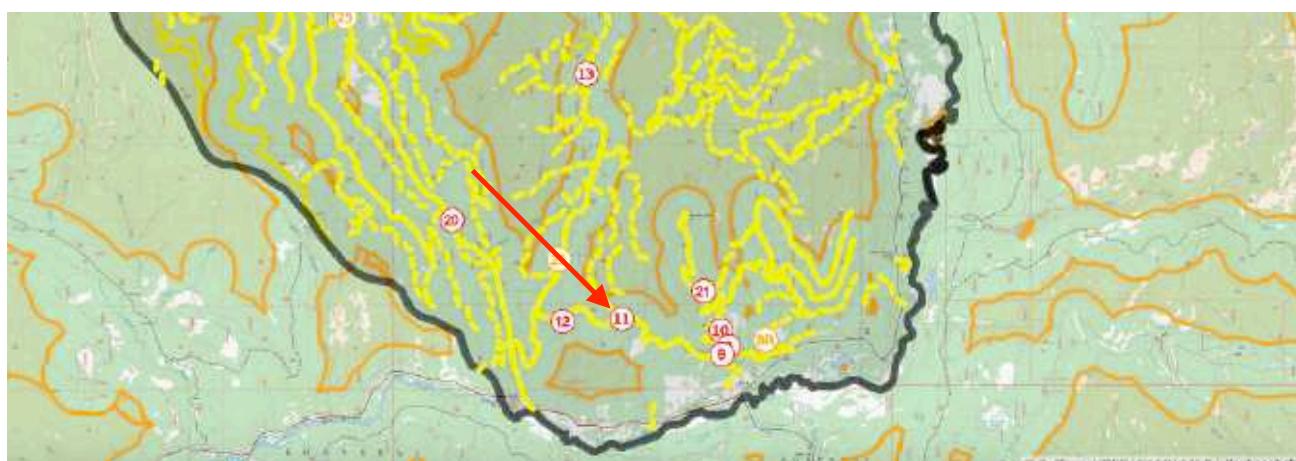
**BR 11**

**Coordinates: N 48.84506, W -115.73875**

**Date: 2024.08.13**

BMU 15 Female with young documented 2016-2023.

Barrier ineffective 2024. No change to barrier status, still insufficient with a bypassable gap to the right of berm. No recent tracks. BR-11 is road 5886A, and 100 yards away is road 5886B (has signage posted), but not on the Motor Vehicle Use Map.





Basin Waypoint

Grizzly Barrier Stake Name

BR-11 6/21/23, 2:50:50 PM

June 21, 2023, 02:50:50 PM

Elevation 3,652 ft

Coordinates 48.84506, -115.73671

Current Weather

80°F 0% chance of rain 40% chance of snow

BR-11 Female with young documented 2016-2022. No change in barrier status, still sufficient width (400 to 600 ft), no recent tracks. BR-11 is east 5880A, 100 yards west to road 5880 (barrier posted), but not in WCM.

Show List

Sat.



Back Waypoint X

0111 by Marlene Black Park

BR-11 6/21/23, 2:50:50 PM 2023  
June 21, 2023, 01:50 PM

Deviation: 3,552 ft.

Coordinates: 48.34508, -115.73875

Current Weather:

80°F 95% 10°F WSW 7/12

Notes:

BR-11 Period with young documented 2019-2022. No change to better status, still insufficient with gap to game right. No recent tracks. BR-11 is east SRRRA, 100 yards from it, east 5660B from signage posted, but not on map.

Show List



Back Waypoint X

011212 by Marlene Black Park

BR-11 6/21/23, 2:50:50 PM 2023  
June 21, 2023, 10:50 PM

Elevation: 3,552 ft.

Coordinates: 48.34508, -115.73875

Current Weather: 60°F, 95% RH, 7/12

Notes:

BR-11 Period with young documented 2019-2022. No change to better status, still insufficient with gap to game right. No recent tracks. BR-11 is up SBR-11, 100 yards above it, just SBR-11B. Tree coverage posted, but not on map.

Show List



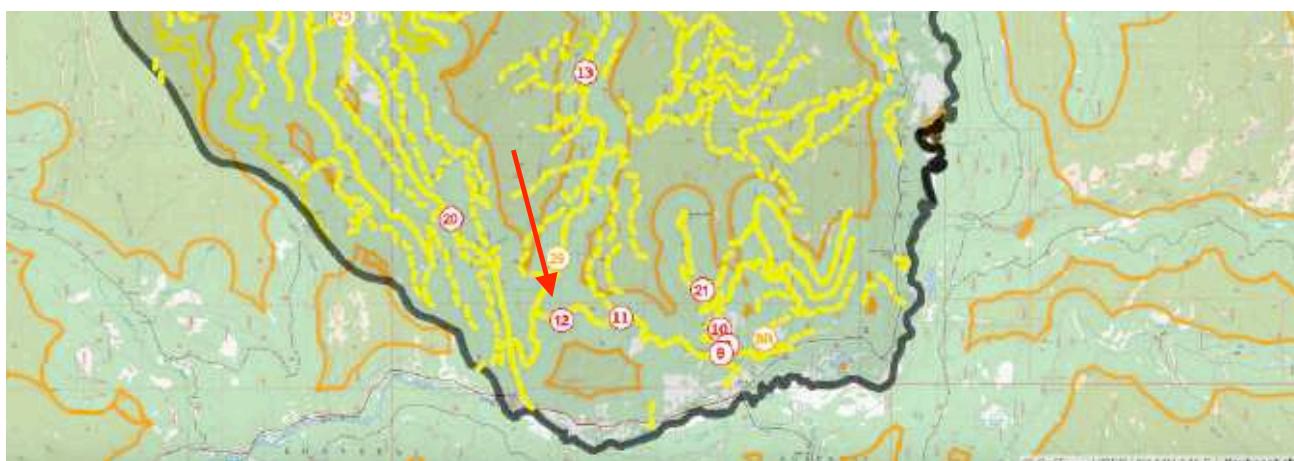
Site:	BR-11	
Road #, or description:	Road # 5886	
Coordinates:	48 50 42.2 / 115 4419.5	
<b>Site Notes:</b>		
2020: Berm with motor-vehicle passage to berm-right. Signage at the barrier is broken from being driven over. Rutting and tire tracks going around the barrier.		
		

**BR 12**      Coordinates: N 48.84444 , W -115.75414

Date: 2024.08.13

BMU 15 Female with young documented 2016-|2023.

Barrier ineffective 2024. A Berm barrier was created to prevent the use of user-created road. Berm can be bypassed on either side. Recent use was visible with truck treads to right of berm in 2023. Berm has diverted water and is overloading a culvert, eroding the road support across the road. Remedy-boulders around berm. Address erosion.





Back Waypoint X

Orizzly Barriers Block Name

BR-12 6/21/23, 2:52:21 PM 2023  
June 21, 2023, 14:52 PM

Elevation 3,635 ft

Coordinates 48.84444, -116.75414

Current Weather 82°F 0% US 0% WNW 7/12

BR-12. Fenced with young stacwired 2019-2023. Bear barrier created to prevent use of user-created road. Can be bypassed on either side of fence. Recent use visible with fresh tracks to right of road. Bear has downed willow and is carrying a cub/spring cub supporting across the road...  
Hawks/shoulder to around birth. Anti-res erosion

BR-12



Basin Waypoint X

Grizzly barriers block here

BR-12 8/21/23, 2:52:21 PM (2023-08-21, 14:52:21)

Elevation 3,436 ft

Coordinates 48.84444, -115.75414

Current Weather: 10°F 0% -4°F 8/21/23 12:00

Notes: BBR-12 Feature with yellow documented 2022. There barrier installed to prevent use of open cleared road. Can be bypassed on either side of barrier. Should use caution with truck traffic to right of barrier. Barrier has diverted water areas overloading a culvert causing the road surface to wash out. Remedy- blockers around barrier. Address: 0

Show Lines



Back Waypoint X

Grizzly Barnes's Black Ram

BR-12 6/21/23, 2:52:21 PM Get  
June 21, 2023, 2:52 PM

Geotag: 3,625 ft

Coordinates: 43.54444, -115.75414

Current Weather: 62°F, 68% WSW 7.1 mi

Info: Water direction: NW, Average ascent: 7' mph, Dist: 0.11 miles, 15' asdescent

BR-12 Forest with pt. 3-2022. River former created to prevent use of size-created road. Can be bypassed on either side of river. Recent use within with track roads to right of river. River has also had a 200' width increasing a current creating the road. Roadwidth is about 6' wide. A bridge is across the road.

Show Map



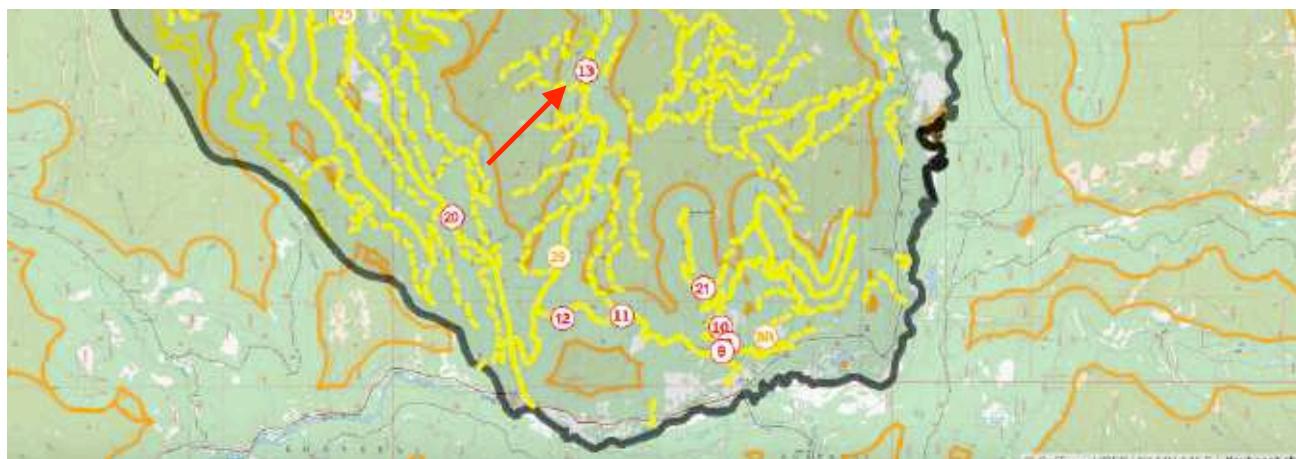
<b>Site:</b>	BR-12
<b>Road #, or description:</b>	(unmapped) User created road off of road # 5886
<b>Coordinates:</b>	48 50 40.0 / 115 4514.9
<b>Site Notes:</b>	<p>2020: A full-sized MV travel corridor that proceeds through vegetation and forest, located off of 5886 Hensley Face Road. Well established roadbed with new berm barrier installed 2021. Can easily be bypassed to barrier left and right. Exceeds 300' in length.</p> <p>2022: This is one of the sites where the Forest Service created a berm to deter illegal MV use. This user created road was bermed sometime between summer 2020 and summer 2021, when YVFC next surveyed these barriers. However, this berm can be bypassed on either side.</p>
	
	

**BR 13 Coordinates: N 48.88708, W -115.74781 Date: 2024.08.02**

BMU 15 Female with young documented 2016-2023.

Barrier ineffective 2024. The barrier can be bypassed to the right gate by an ATV, side by side, or with other vehicles.

Remedy-Boulders





CalTopo Properties

BR-13

48.88713, -115.74774

Raw Photo Properties

August 2, 2024 5:01 AM

48.88713, -115.74774

280°



CalTopo Properties

BR-13

48.88717, -115.74775

Raw Photo Properties

August 2, 2024 5:02 AM

48.88717, -115.74775

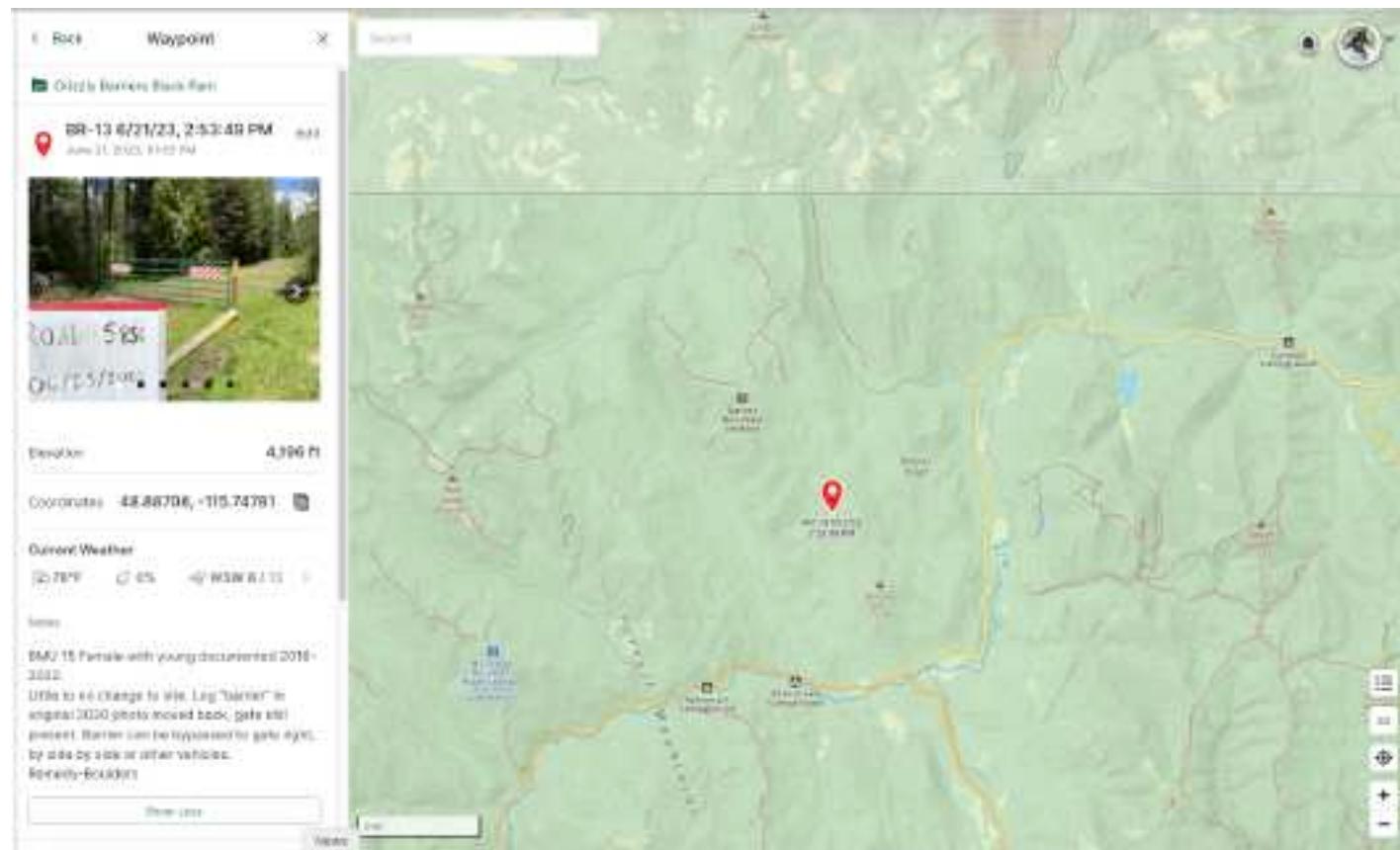
79°

1 Rock Waypoint X

Orville Borders Ranch Farm

BR-13 6/21/23, 2:53:49 PM

June 21, 2023, 8:53 PM



ROAD 5856  
06/23/2023

Elevation 4,396 ft

Coordinates 48.88708, -115.74781

Current Weather

78°F 05 -0.3SW 8.23

Info

BR-13. Female with young documented 2018-2022. Urine to re-change to wife. Leg "barrier" in original 2020 photo to prevent back gate into property. Barrier can be bypassed for gate entry by use of side or other vehicles.

Recently-Boulders

Share 1234

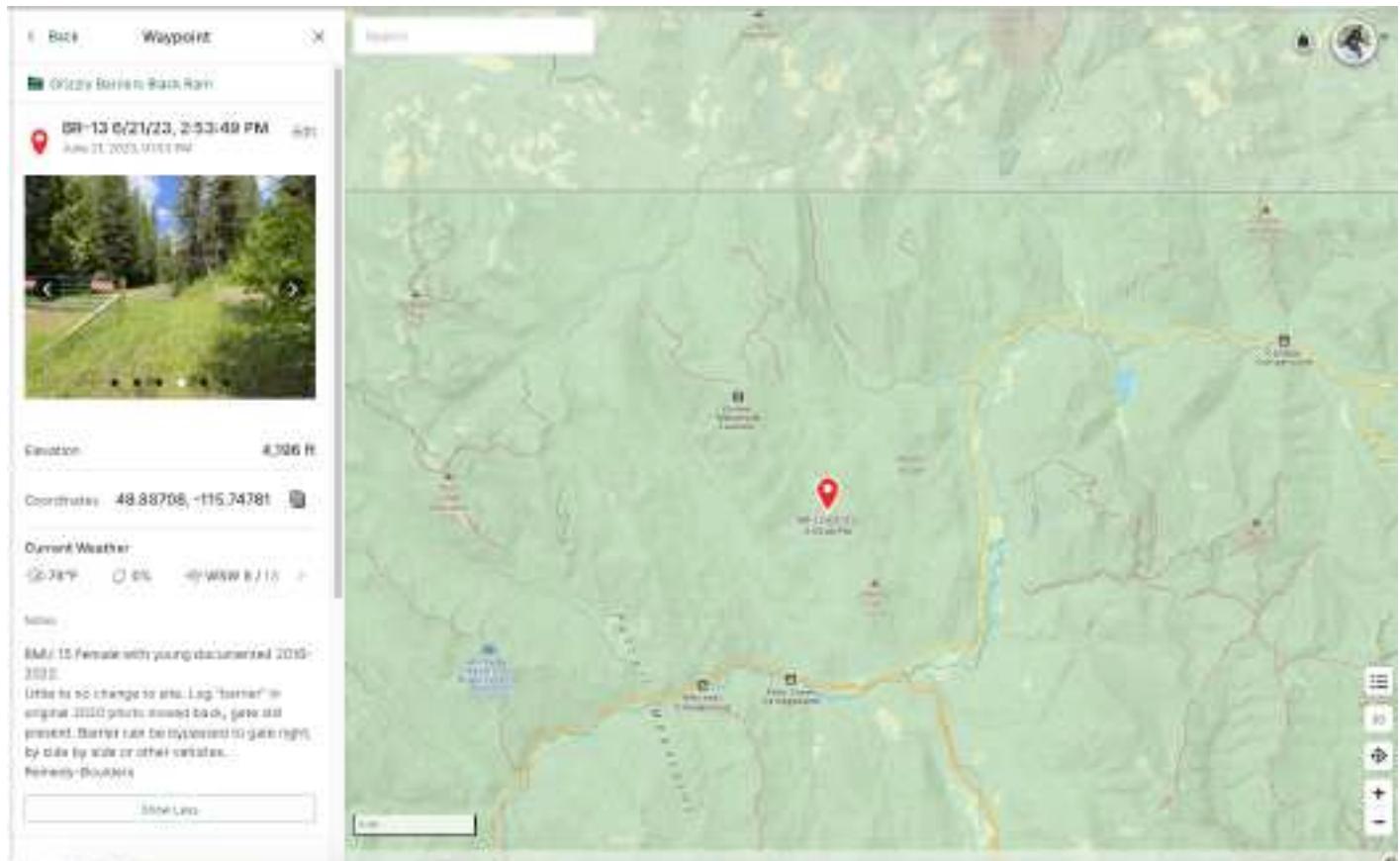
Views 1234



Back Waypoint X

Orizzly Barrier: Back Ranch

GR-13 6/21/23, 2:33:49 PM 631  
June 21, 2023, 03:33 PM



Elevation: 4,326 ft

Coordinates: 48.88708, -115.74781

Current Weather: 58°F 8% WWSW 8/15

Note: GR-13 Female with young documented 2019-2022. Little to no change to site. Log "barrier" in original 2010 photo; moved back, gave old position. Barrier can be referenced to gate right by side by side or other variables.

Remove



← Back Waypoint X

Grizzly Samsel Black Bear

BR-13 6/2/23, 2:53:48 PM Edit  
June 13, 2023, 01:53 PM



Elevation 4,396 ft

Coordinates 48.88708, -115.74781 Edit

Current Weather: 38°F 0% New 8/13

Notes: BMU 13 female with young documented 2010-2023. UTM no longer matches original 2020 photo; may need track, gate and pattern. Bear can run hypothesized to gate right, by side by side in either vehicles.

Report-Sources

[Share Link](#)

[Log](#)

Map showing a forested area with a yellow line representing a trail or path. A red location pin is placed on the map, corresponding to the coordinates 48.88708, -115.74781. The map also shows various roads and landmarks.



Basin Waypoint

Grizzly Barrier Stake Name

BR-13 8/21/23, 2:53:40 PM

June 21, 2023, 00:53:40 PM

Elevation: 4,196 ft

Coordinates: 48.88708, -115.26781

Current Weather: 70°F, 0% chance of rain, WSW 8 / 13

Note: BM/13 Foothills with young aspen and 2016-2017. Little to no change to site. Log "barrier" in original 2020 photo stayed back, gone after 2020. Barrier can be bypassed to gate right by site by site or other methods.

Recently: Bushels

Show List

Map



Site:	BR-13
Road #, or description:	Road # 5856
Coordinates:	48 53 13.5 / 115 4452.1
<b>Site Notes:</b>	
<p>2020: Gate barrier. Motor-vehicle bypass to gate-right, using the spur road to get around the barrier, obvious tire tracks and rutting. Lack of vegetation from being driven over. The temporary log barrier (choice firewood tree) can be easily removed so the barrier is not effective.</p>	
	
	

**BR 14**

**Coordinates: N 48.90256, W -115.84547**

**Date:**

Home      Waypoint      X

BR-14-B (21/23, 2:55:14 PM) June 21, 2023, 10:52 PM

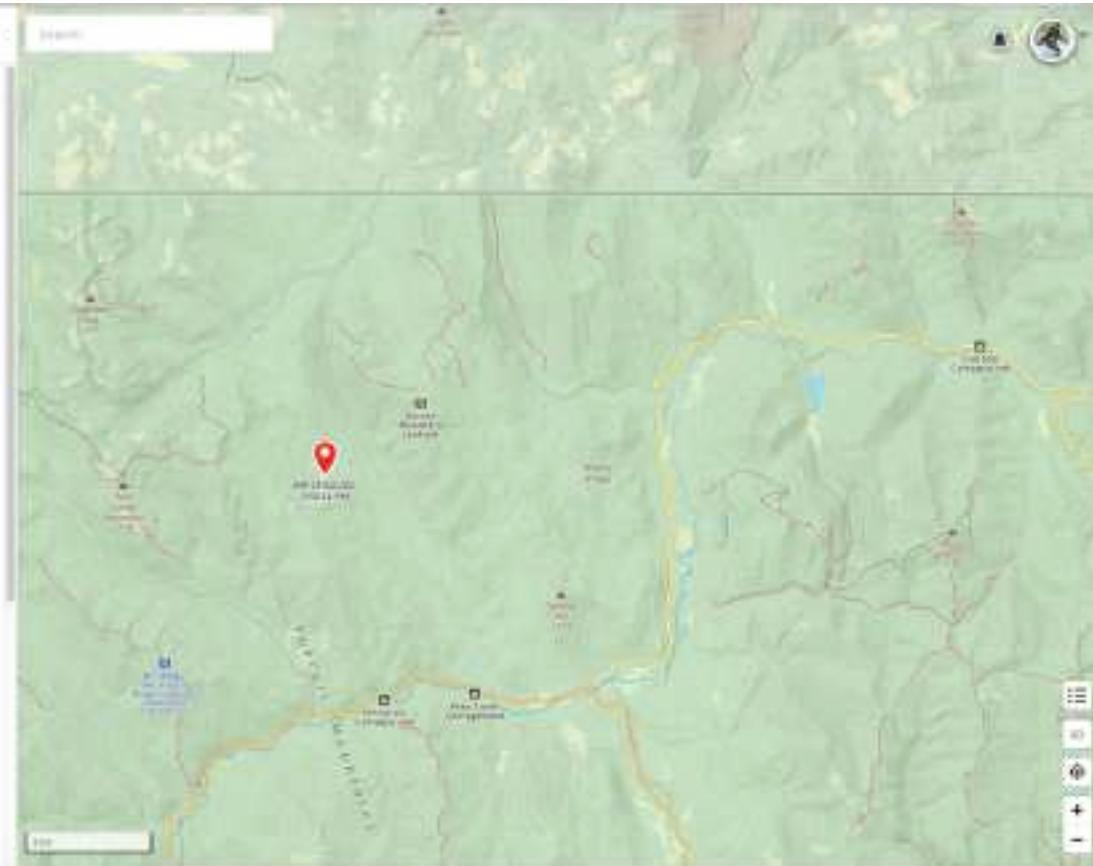
 KOD 748  
06/23/2023

Elevation: 4,701 ft  
Coordinates: 48.90250, -115.64547

Current Weather:  
(\*) Loading weather...

Notes:  
BRU 14 female with young documented 2019-2023.  
No change noted since last report of November 2022. Bear is still习惯able to humans. The track is nearby, but no evidence of recent visit.  
Recently shown up here without and placed additional boulders.

[View last](#)





Back Waypoint X

011214 Barbers Blank Pano

BR-14 6/21/23, 2:55:14 PM (2023-06-21T14:55:14Z)

Location: 48.90256, -115.84547

Elevation: 6,703 ft

Coordinates: 48.90256, -115.84547

Current Weather: 74°F, 1%, 7/10

Notes: BR-14 Female with young documented 2018-2022. No change noted since last report of November 2022. Sitter is still possible to see right. Tie tracks nearby, but do not know of recent use. Recently cleared up from with pine and some additional boulders.

Search



Back Waypoint X

011014 Barbers Black Bear

BR-14 6/21/23, 2:55:14 PM

June 21, 2023, 01:55 PM

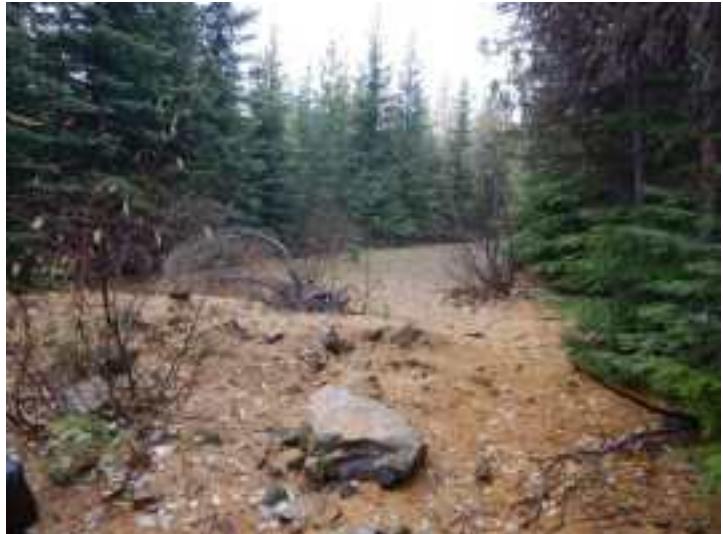
Elevation: 6,703 ft.

Coordinates: 48.90256, -115.84547

Current Weather: 74°F, 1% chance of rain, Wind: 7/10

Notes:  
BR-14 Female with young documented 2018-2023.  
No change noted since last report of November 2023. She is still possible to see right. See tracks nearby, but do not expect of recent use.  
Recently cleared up from with pine and some additional boulders.



Site:	BR-14	
Road #, or description:	Road # 748	
Coordinates:	48 54 09.2 / 11550 43.7	
<b>Site Notes:</b>		
<p>2020: Shallow berm with poorly placed boulders.            Access to Core Grizzly Bear Area. A 5' wide            passage through berm-right provides access for            ATVs and motorcycles.</p>		



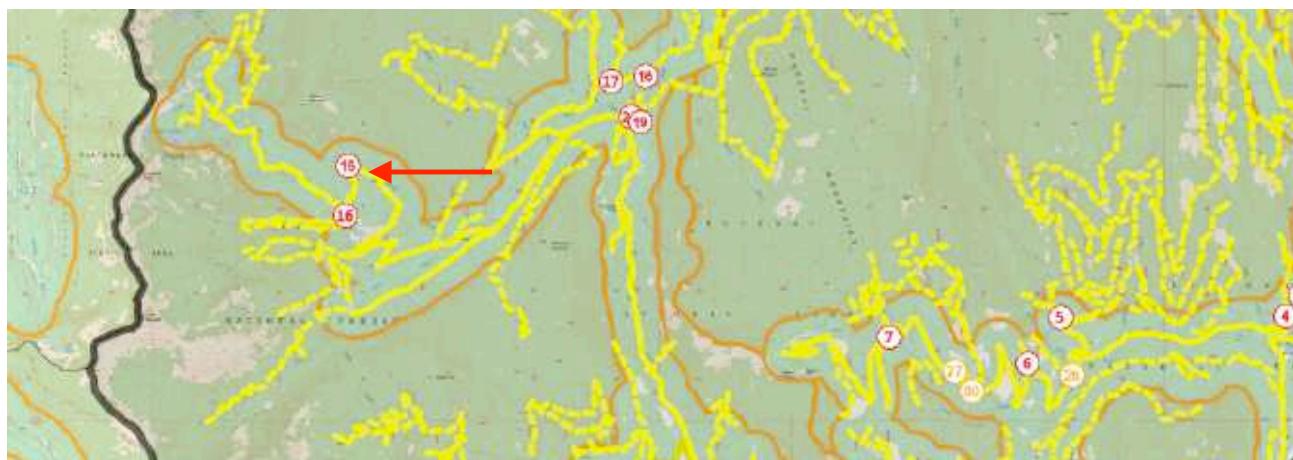
**BR 15**

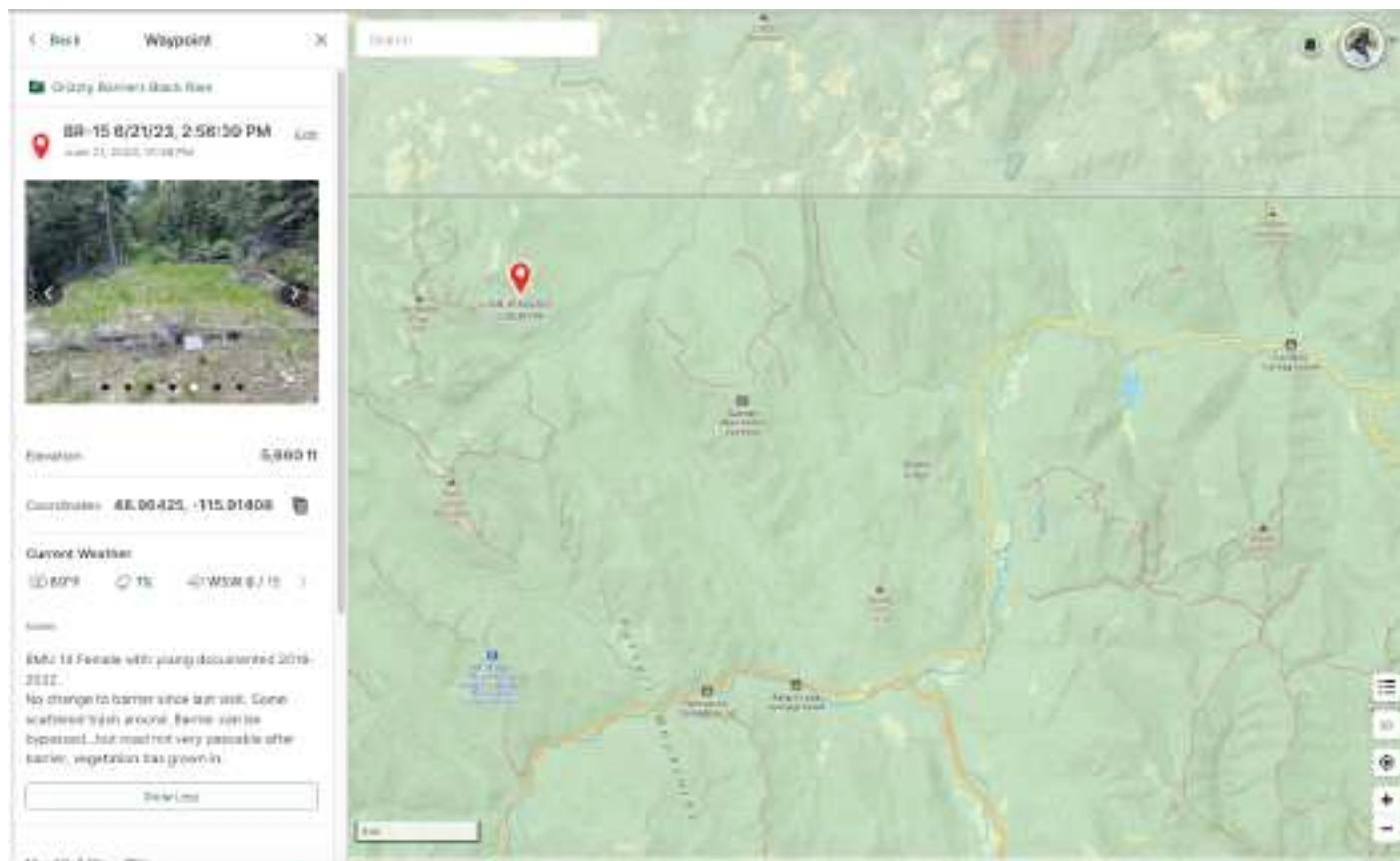
**Coordinates: N 48.96425, W -115.91408**

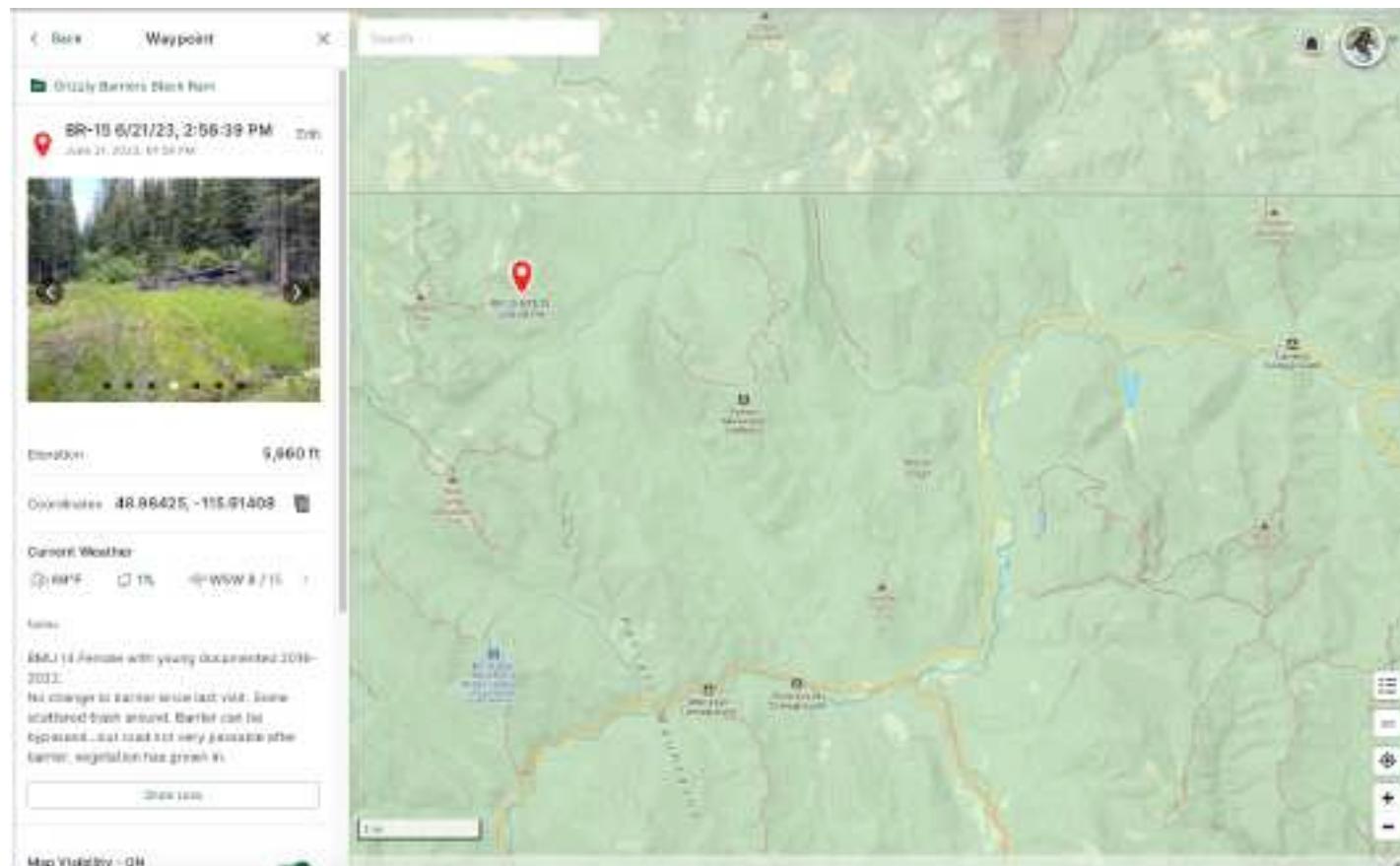
**Date: 2024.08.02**

BMU 14 Female with young documented 2016-2023.

Barrier ineffective 2024. No noted change to the barrier since 2023. Some scattered trash around the area in 2023 was removed. The barrier can be bypassed, the road after the barrier, is overgrown but passable. Vegetation is starting to reclaim the road.







<b>Site:</b>	<b>BR-15</b>		
<b>Road #, or description:</b>	Road # 338P		
<b>Coordinates:</b>	48 57 51.3 / 115 5450.7		
<b>Site Notes:</b>	<p>2020: A pile of small mixed woody debris with flagging is the current barrier. There are no signs or effective barriers. Due to wildfire activity, the soil is sensitive and major surface runoff is present.</p> <p>2022: YVFC was unable to access this location in November 2022 due to the amount of snow. A photograph from August 2022 is used here instead.</p>		

**BR 16**

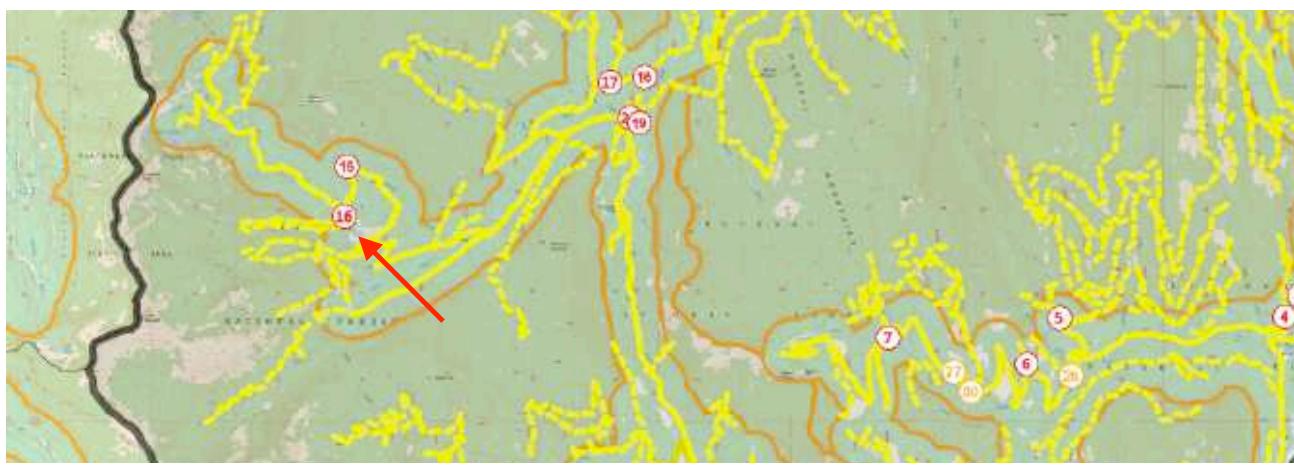
**Coordinates: N 48.95569, W -115.91458**

**Date: 2024.08.02**

BMU 14 Female with young documented 2016-2023.

Barrier ineffective 2024. Tree barriers are still lying across the road. It can be bypassed to the left or right of trees. No signs of recent trespass.

Remedy: additional blockage, boulders, or gate.



• Basemap • Waypoint • X

Ortiz Belmont Back Road

BR-16 6/21/23, 2:59:00 PM

June 21, 2023, 07:18:04

Elevation 5,889 ft.

Coordinates: 48.95589, -115.01458

Current Weather: 60°F 15% chance of rain

Note: BMU-14 Female with young documented 2010-2011. Bear mothers will lie across the road. Don't be surprised after sight of these, although no signs of recent use.

Delete

Map Visibility - On

Waypoint is visible on map



A screenshot of a mobile application interface for tracking a grizzly bear. The top bar shows 'Bear' and 'Waypoint'. The main area is a map with a red pin at 'BR-16 6/21/23, 2:59:00 PM'. A photo of a bear is on the left, and details like 'Elevation 5,889 ft' and 'Coordinates 48.95569, -115.91458' are shown. The bottom section contains notes about a female bear with cubs.



<b>Site:</b>	<b>BR-16</b>
<b>Road #, or description:</b>	Road # 338R
<b>Coordinates:</b>	48 57 20.5 / 115 54 52.5
<b>Site Notes:</b>	
<p>2020: No barrier other than two recently fallen trees. Heavy rutting and tracks from motor-vehicle use. Due to wildfire activity, the soil is unstable and major surface runoff is present. Exceeds 300' in length.</p> <p>2022: YVFC was unable to access this location in November 2022 due to the amount of snow. A photograph from August 2022 is used here instead.</p>	
	



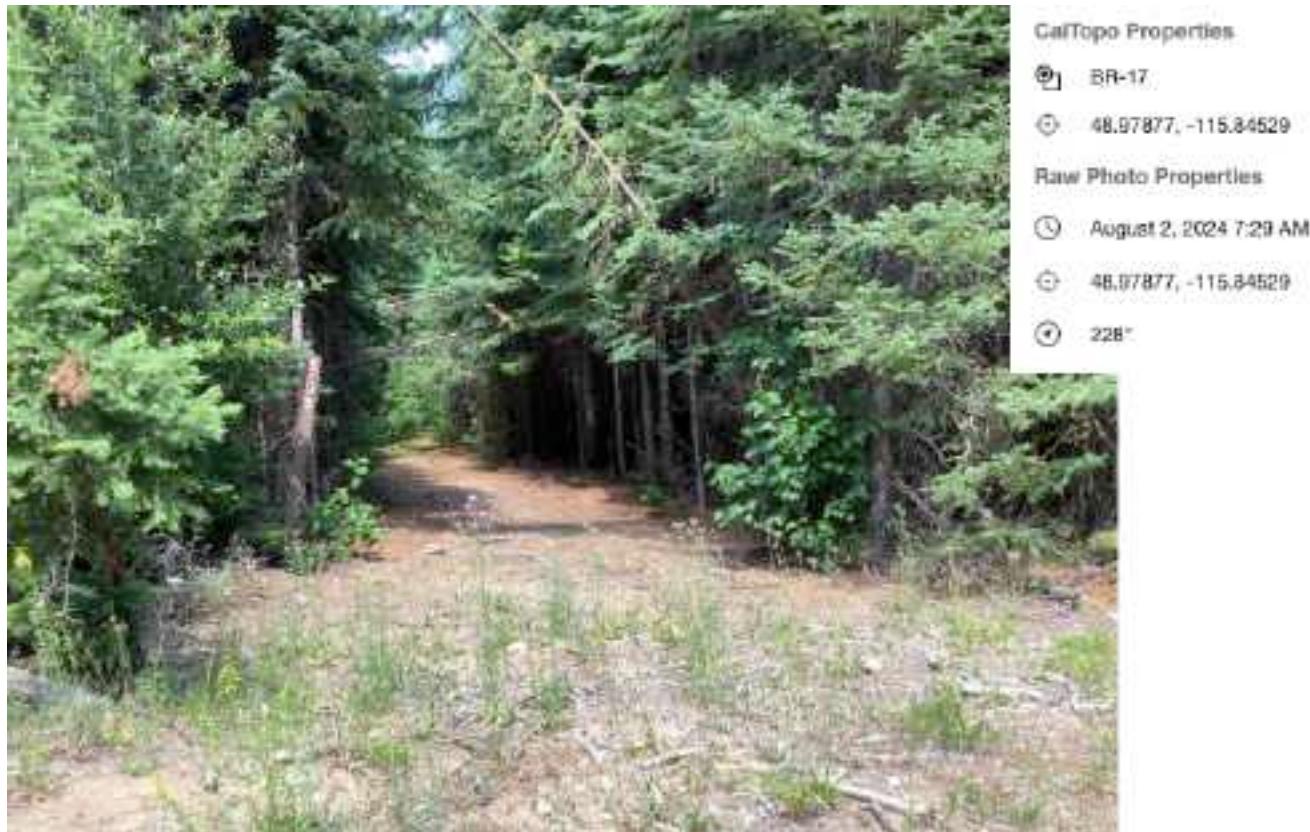
**BR 17**

**Coordinates: N 48.97878, W -115.84531**

**Date: 2024.08.02**

BMU 14 Female with young documented 2016-2023.

Barrier ineffective 2024. Unchanged site from the original survey. No barrier, road not on the Motor Vehicle Use Map. Tracks visible entering indicating use in 2024 and 2023 surveys. Evidence of bear activity, and multiple recent scat piles nearby. Remedy-gate, boulders...



← Back      Waypoint : X

Grizzly Bear Den Beach Barn

BR-17 6/2/2023, 3:06:24 PM      0.00

June 23, 2022 10:31 AM

Elevation: 4,461 ft

Coordinates: 48.97878, -115.84531

Current Weather: 51°F, 45% humidity, 71% chance of rain

Notes: 1602. Female with young documented 2018-2022. Unchanged site from aerial survey. No barrel, not on UV surveys. Thicker willow entanglement indicating recent use. Evidence of bear activity, multiple recent and prior nearby Boundary-gate, boulders...

Show Location



Back Waypoint X

0 City Barriers Black Barn

BR-17 6/21/23, 3:01:24 PM 681  
June 21, 2023 03:01:24



Rank: Waypoint

Grizzly barren black bear

BR-17 6/21/23, 3:01:24 PM

July 21, 2023, 02:21:00

Elevation: 4,601 ft

Coordinates: 49.97878, -115.84531

Current Weather: 70°F 85% 80°/68° NWW 7/13

Notes:

BR-17. Female with young documented 2019-2022. Unchanged area from original survey. No barrier, not on MV map. Tracks visible indicating recent use. Evidence of bear activity, multiple recent trail piles nearby Remedy-gate, buildings.



<b>Site:</b>	BR-17
<b>Road #, or description:</b>	Road # 5895
<b>Coordinates:</b>	48 58 43.6 / 115 50 43.1
<b>Site Notes:</b>	
<p>2020: No barrier. Road 5895 is not mapped as an open road, according to the MV Use Map provided by the Kootenai National Forest.</p>	
	
	

**BR 18**

**Coordinates: N 48.97988, W -115.83790**

**Date: 2024.08.02**

BMU 14 Female with young documented 2016-2023.

Barrier ineffective 2024. Gate present, but bypassable. Tire tracks on road on both sides of gate in 2023. GATE UNLOCKED at 2023 survey.

Remedy-Lock Gate, boulders on the uphill side of the gate where it is passable by an ATV.





CalTopo Properties

BR-18

48.97941, -115.83645

Raw Photo Properties

August 2, 2024 7:34 AM

48.97941, -115.83645

127°



CalTopo Properties

BR-18

48.97946, -115.83650

Raw Photo Properties

August 2, 2024 7:35 AM

48.97946, -115.83650

356°

Back Waypoint X

BB-18 - 8/22/23, 11:14:02AM Edit  
Sun 22, 2023, NCUS.MP



Elevation: 4,879 ft

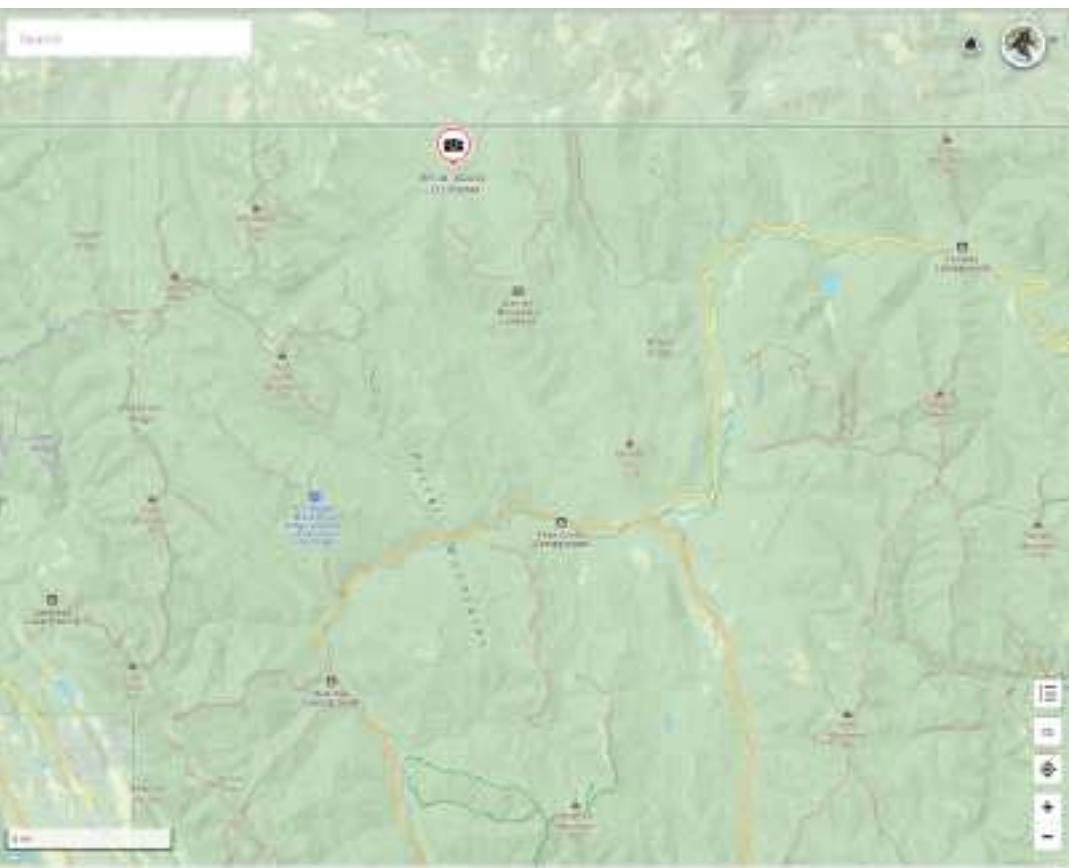
Coordinates: 48.87888, -115.83790 Edit

Current Weather: Edit  
0.0°F C 7% WWM 7/12

Notes:  
SMU female with young documented 2010-2022.  
Gene present. No tracks on both sides of gate.  
DATE UNLOCKED  
Remote-Lock Gate

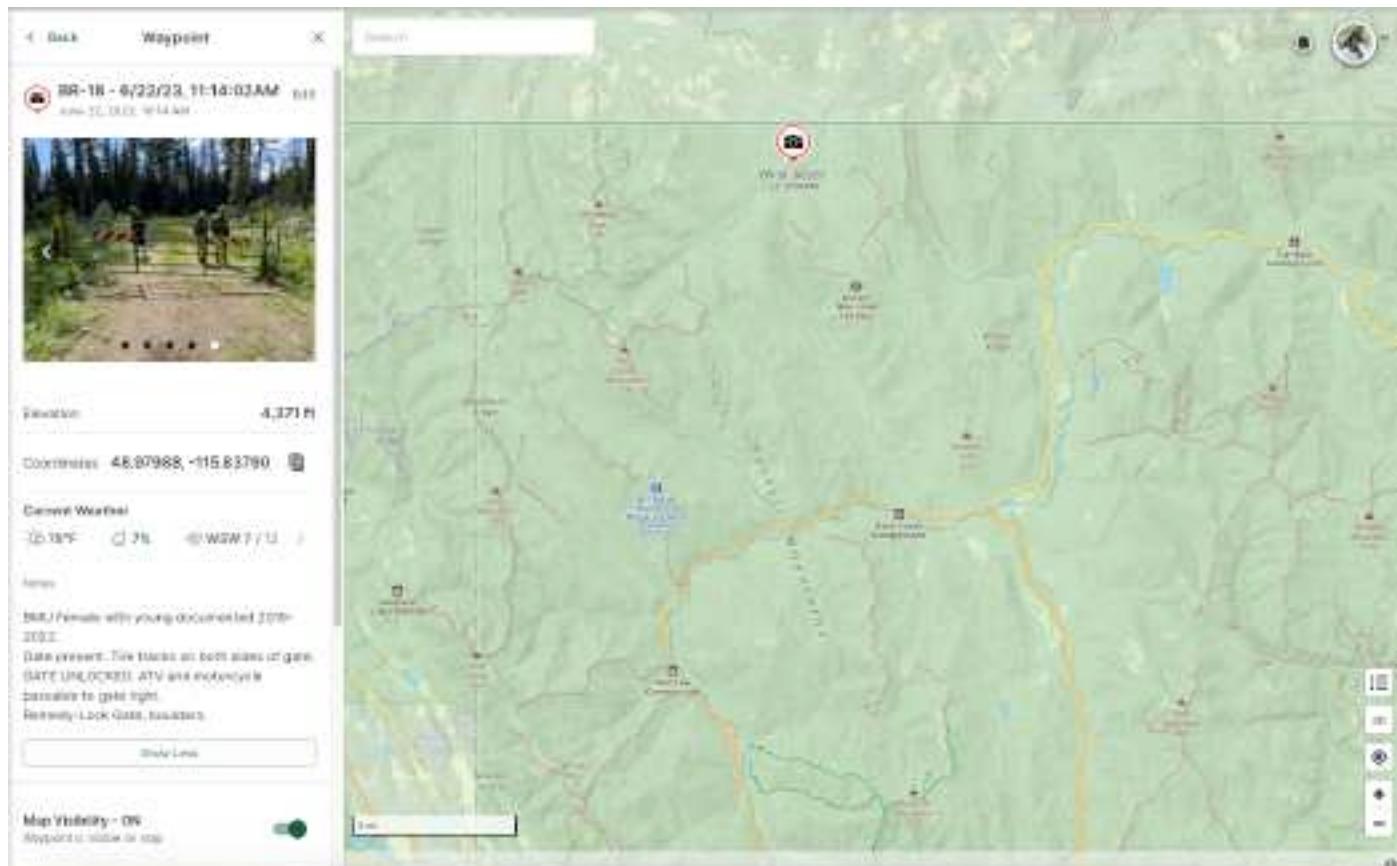
Map Visibility: ON Edit  
Request to edit visibility

X Center On Map



< Back Waspet X

BB-1R - 6/23/23, 11:14:03AM 618  
46.807988, -115.83780



Position 4,371 ft

Coordinates 46.807988, -115.83780

Current Weather  
70°F 2% WNW 7.0

Notes  
BB-1R Female with young documented 2019-2022.  
Bull present. Tie backs on both sides of gate.  
GATE UNLOCKED. ATV and motorcycle  
passages to gate right.  
Recently lock gate, unknown.

Map Visibility - On  
Supports: 0.000



Back Waypoint X

BR-18 - 6/22/23, 11:54:02AM 2023

June 22, 2023, 10:54 AM



- Back      Waypoint      X

■ DAZN Barnet Stock Farm

BB TB - 6/22/23, 11:17:10AM 638

June 22, 2023, 11:17 AM

Elevation: 4,361 ft

Coordinates: 48.97931, -115.83631

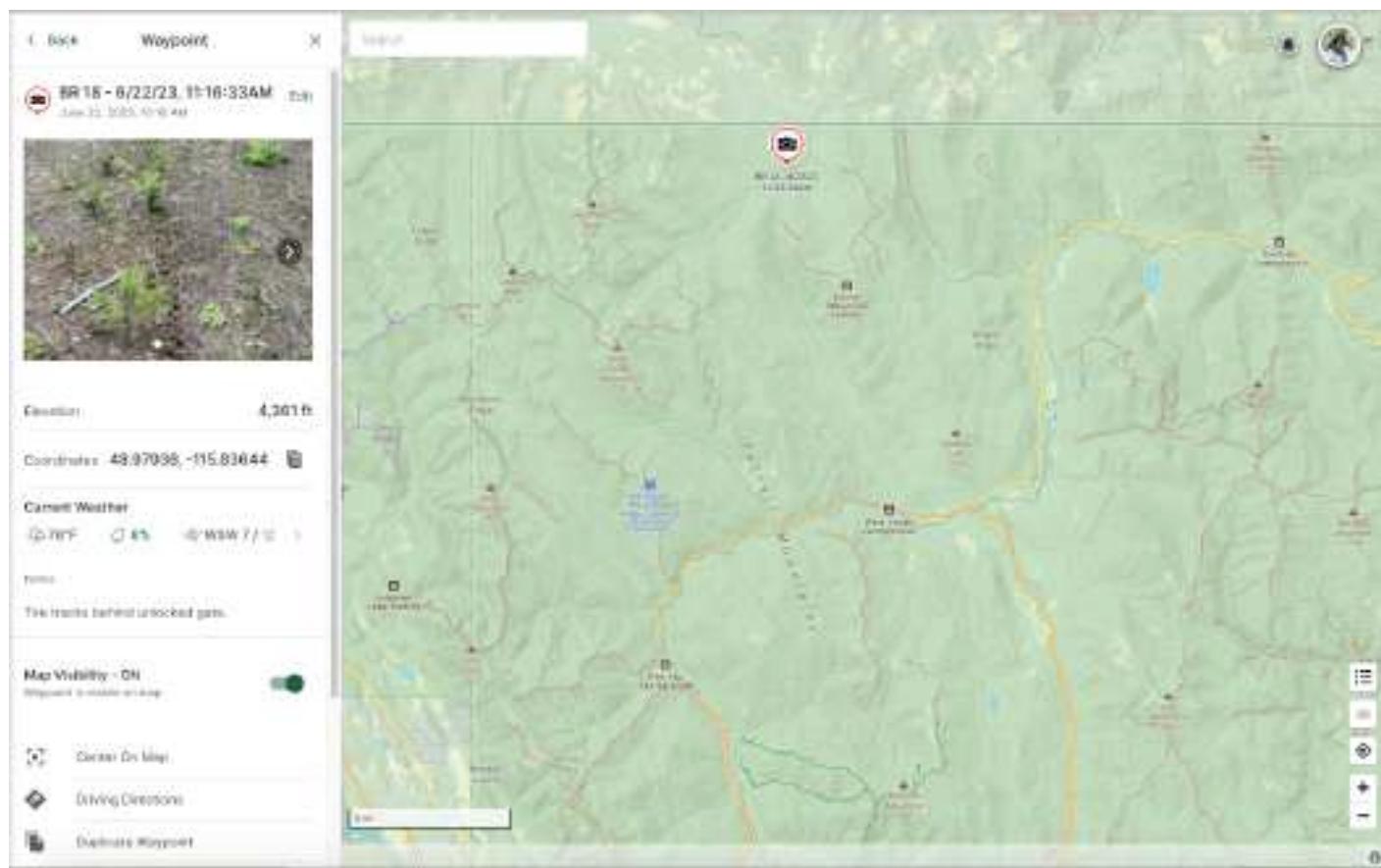
Current Weather: Partly Cloudy 65°F

Map Visibility: ON

Center On Map

Driving Directions





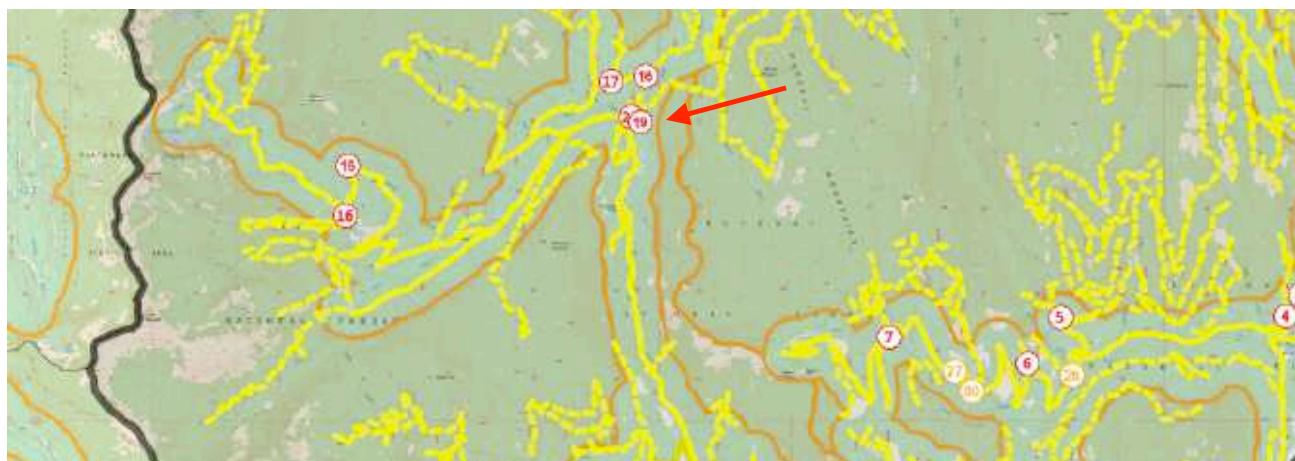
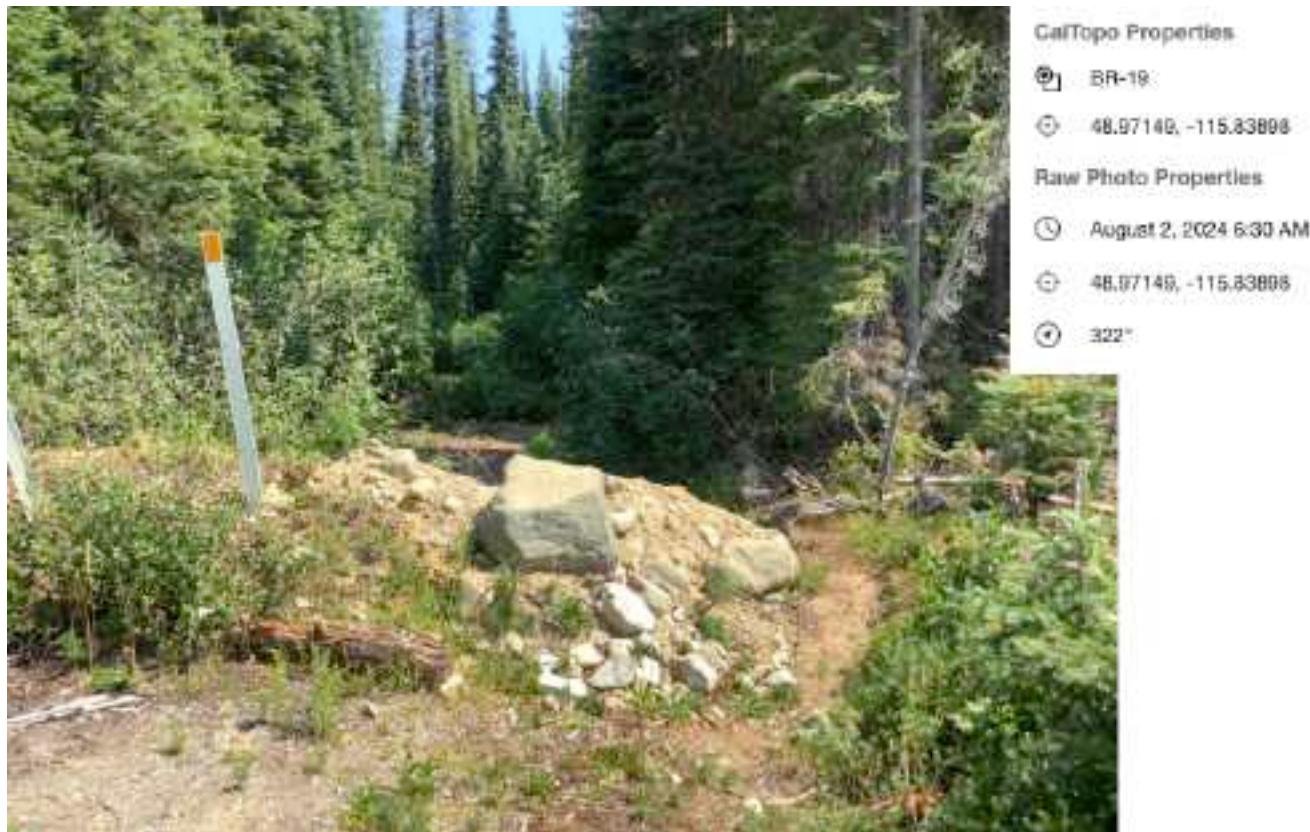
<b>Site:</b>	BR-18
<b>Road #, or description:</b>	Road # 5894
<b>Coordinates:</b>	48 58 45.9 / 115 50 11.8
<b>Site Notes:</b>	
<p>2020: Gate. 5' wide passage to gate-right. This road is accessible to ATVs and motorcycles. This ineffective barrier grants access to the Canada/USA international boundary and the sensitive Davis Wildfire fire-break.</p>	
	
	

**BR 19**      **Coordinates 48.97150, -115.83906**

**Date: 2024.08.02**

BMU 14 Female with young documented 2016-2023.

Barrier ineffective 2024. Barrier is unchanged since November 2023 survey. Barrier easily bypassed to berm right. Actually two different berms, both insufficiently barrier the road. Obvious evidence of clearing road behind barrier. Bush hogged extensively. Border patrol clears the road and patrols it frequently. Road is deemed closed.



Back    Waypoint    X

BR-19 6/21/23, 3:04:34 PM    Sat  
June 23, 2023, 02:30 PM



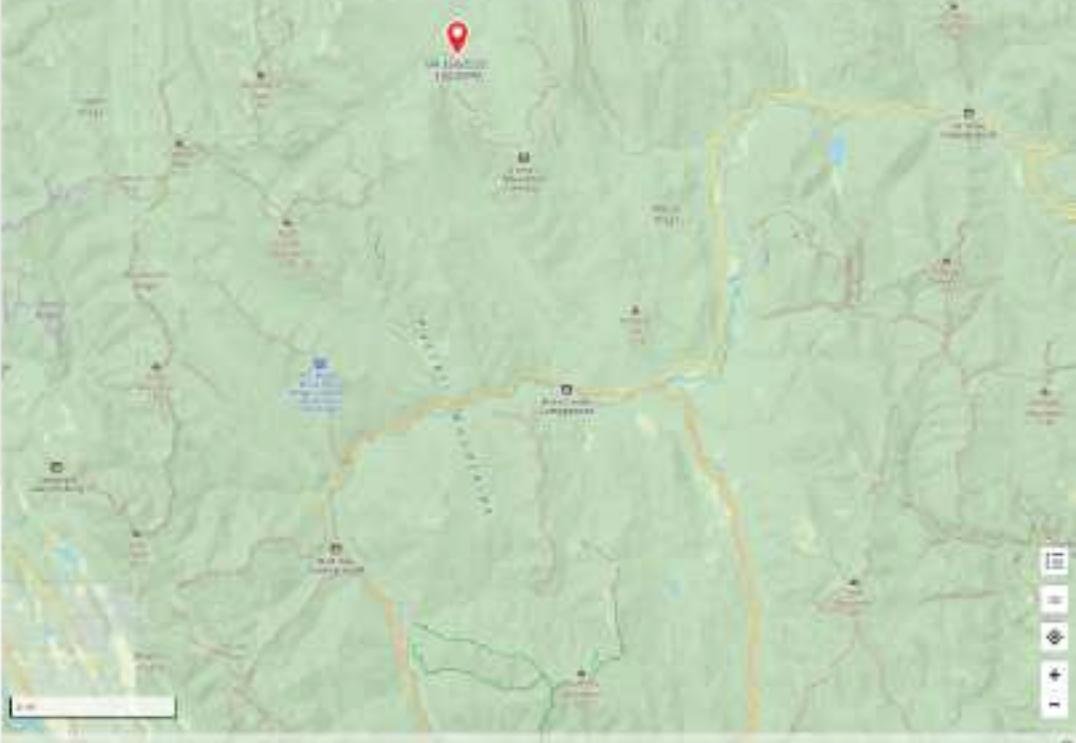
Location: 4,348 ft  
Coordinates: 48.97150, -115.83906

Current Weather:  
74°F 45% 0.00WST/13°

Notes:  
SMU. Female with young documented 2018-2022.  
Barrier unchanged since November 2022.  
Barrier exists bypassed to barrier right. Actually two different barriers, both sufficient barriers.  
Obvious evidence of crossing road barrier.  
Barrier: Black flagged alternately. Barrier point 2022.

[View List](#)

Map Visibility: On





- Back Waypoint X

BR-19 6/2/23, 3:04:34 PM Date: 6/2/23, 3:04:34 PM

Canyon 4,305 ft

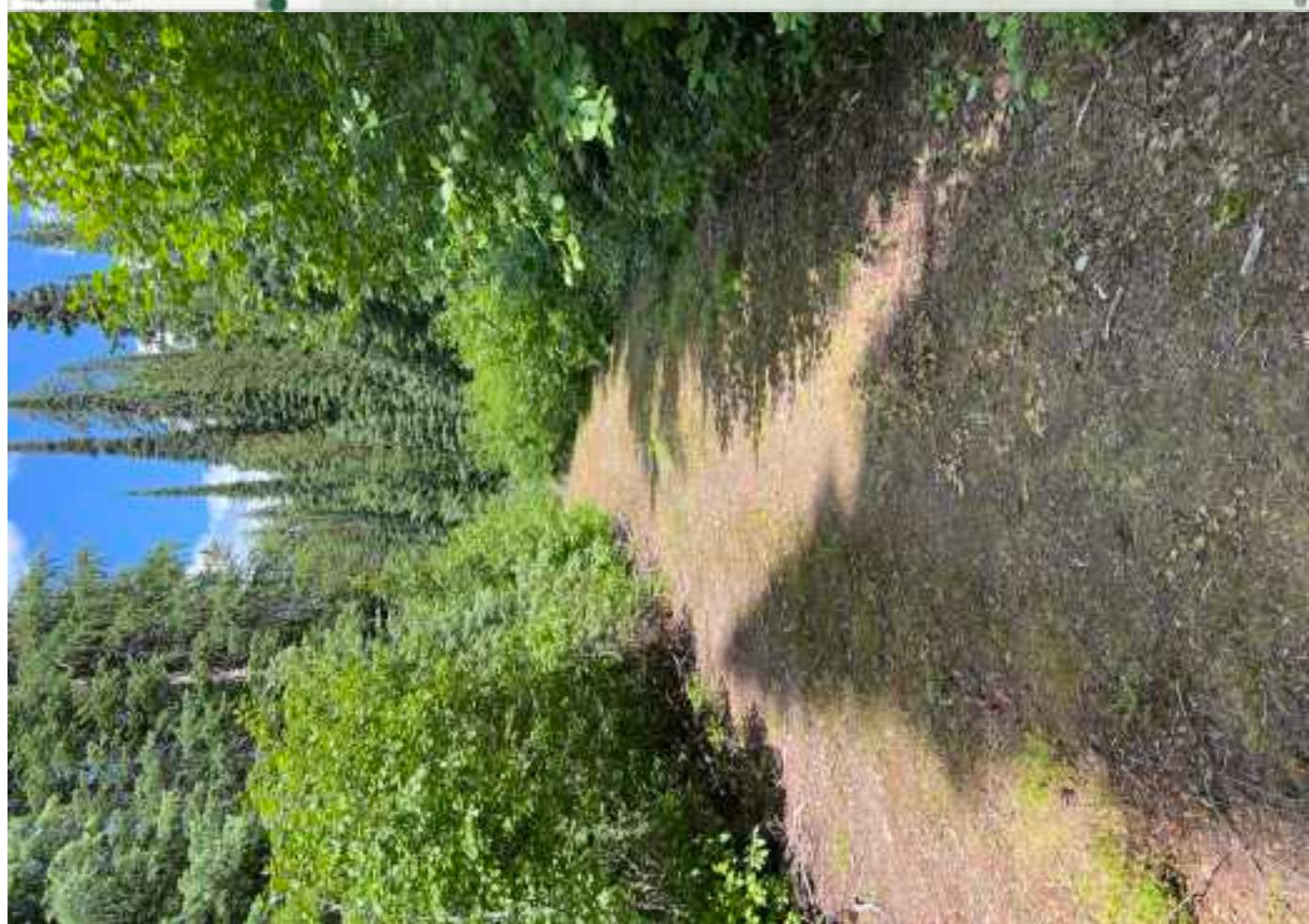
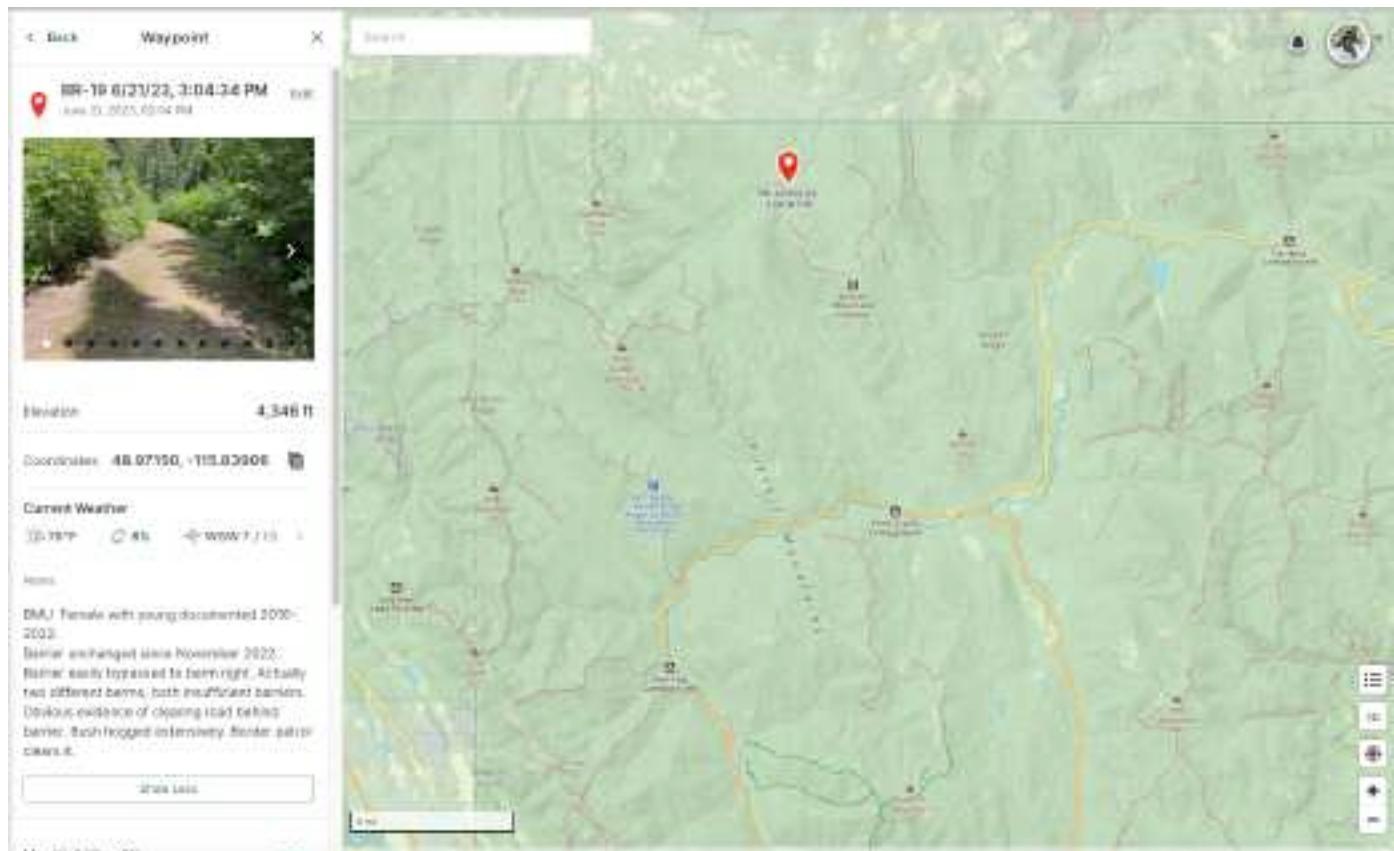
Coordinates: 48.07150, -115.83806

Current Weather: 50°F, 0 in, WNW 7/13

Notes: JJDJ. Female with young documented 2016-2022. Barrier unchanged since November 2022. Barrier recently improved to barrieright. Activity has different barrier, both insufficient barriers. Observes evidence of clearing road below barrier. Buoy flagged as remaining. Barrier patrol 2023.

Map Visibility: ON

400



<b>Site:</b>	BR-19
<b>Road #, or description:</b>	Road # 747
<b>Coordinates:</b>	48 58 17.4 / 115 50 20.6
<b>Site Notes:</b>	
2020: Berm with signage. A 3.5' wide passage through berm-right allows ATVs and motorcycles to access.	





**BR 20**

**Coordinates 48.86208, -115.78283**

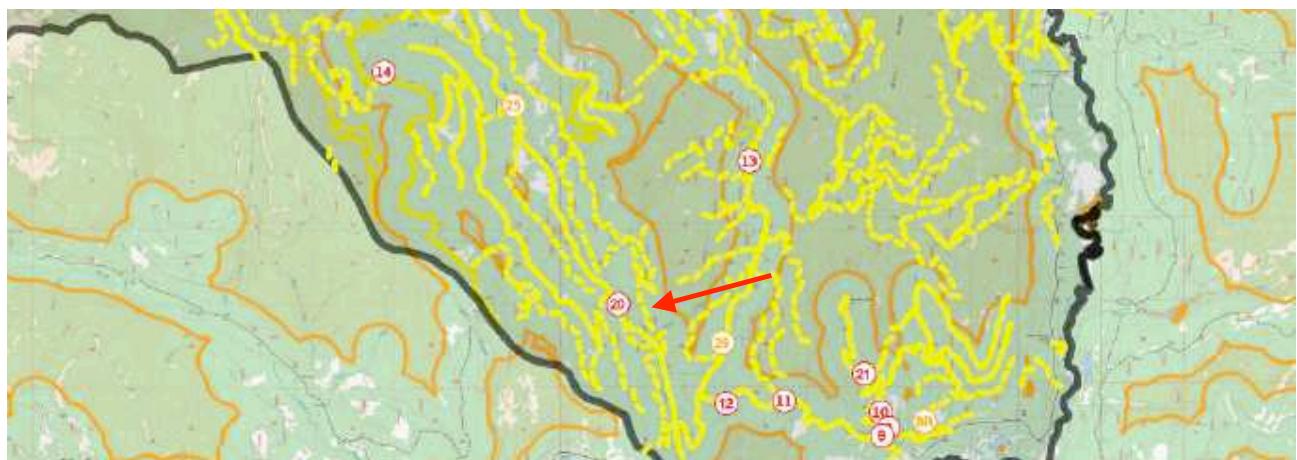
**Date: 2024.08.02**

BMU 15 Female with young documented 2016-2023.

Barrier ineffective 2024. Past notes state that the gate needs replacement (in 2020) but still has not been replaced (2024). Trees fell over the road both before and behind the gate. The gate can be bypassed on gate right by four-wheelers (ATVs). No recent tracks. Looks like the gate was hit by something.



GalTopo Properties  
BR-20  
48.86208, -115.78283  
Raw Photo Properties  
August 2, 2024 5:41 AM  
48.86208, -115.78283  
259°



Back Waypoint X

BR-20 6/21/23, 3:06:01 PM

June 21, 2023, 12:06 PM

BR-20 6/21/23, 3:06:01 PM

June 21, 2023, 12:06 PM

BR-20 15' Pondo with young man arrested (2009-2022). Part metal gate gone in need of replacement (in 2010), but still has not been replaced. Two fallen ever road both before and behind the gate. Gate remains. Estimated on gate right by 4' diameter. No recent tracks. Large tree gate was hit by something.

Share Link



A screenshot of a mobile application interface. At the top, there are navigation buttons: a back arrow, the word "Waypoint", and a close button (X). Below this is a search bar with the placeholder text "Search...". The main content area is divided into two sections. On the left, there is a large image of a bear gate in a forest setting. Below the image are the following details: "Elevation: 9,318 ft", "Coordinates: 48.86208, -115.78283", and "Current Weather: 61°F, 65% NSW 8 / 11". At the bottom of this section is a note: "BRU 10 Penrose with young documented 2016-2023. Past entries state gate in need of replacement (in 2020), but still has not been replaced. There is a metal chain link fence and behind gate. Gate can be bypassed or gate right by 4 wharves). No recent tracks, looks like gate was hit by something." On the right side of the screen is a map showing a road and surrounding terrain. A red location pin is placed on the map, corresponding to the coordinates listed. The map also shows several blue markers, likely representing other waypoints or points of interest.



C Back Waypoint X

Grizzly Bear's Back Path

BR-20 8/21/23, 3:06:01 PM Sat, Aug 21, 2023, 03:06 PM



Elevation: 3,313 ft

Coordinates: 48.86298, -115.78283

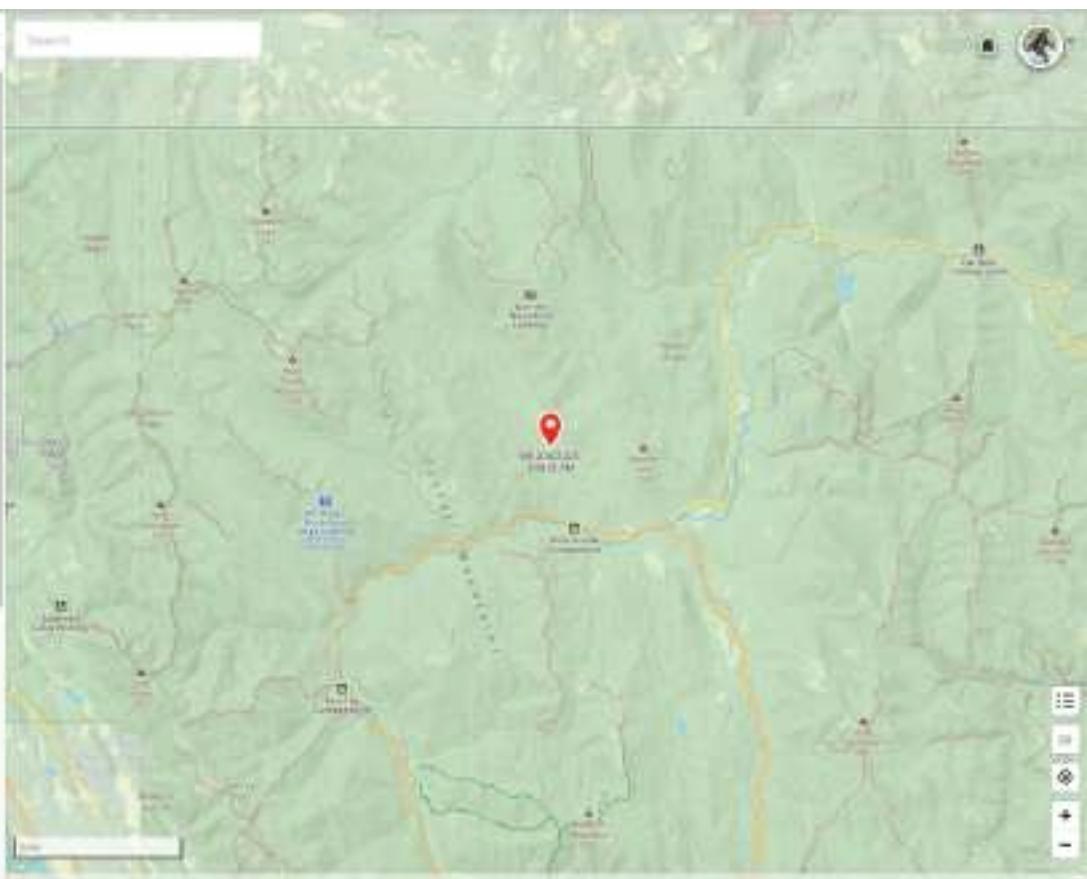
Current Weather: 84°F, 0% RWNW 8.11 ft

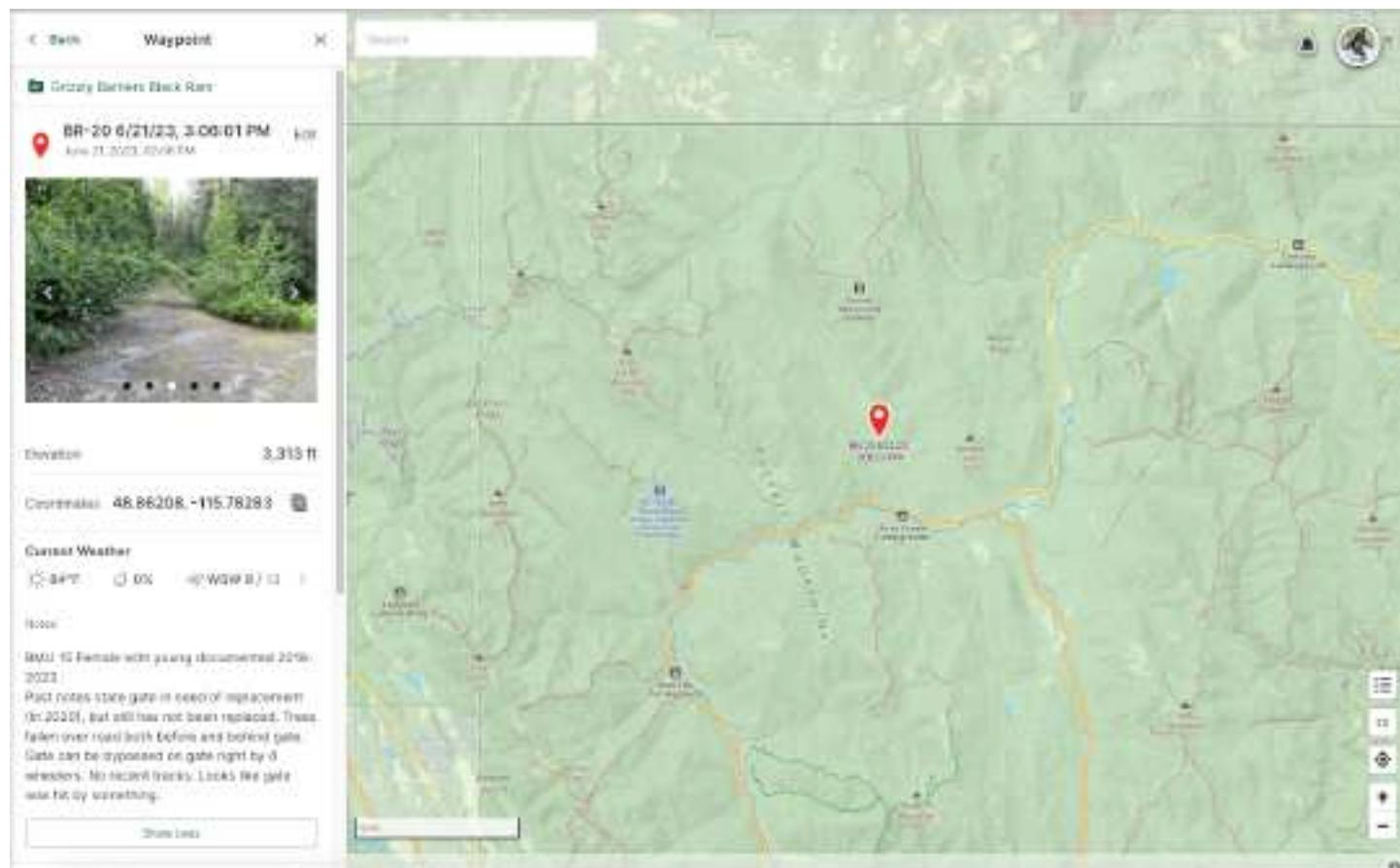
Notes:

BAU-75 Turnstile with young discovered 2020-2022. Post metal gate in need of replacement (in 2023), but still has not been repaired. Trees fallen over road right before and behind gate. Gate can be bypassed on gate right by 4'ometers. No recent tracks. Looks like gate was hit by something.

[View Log](#)

Search





<b>Site:</b>	<b>BR-20</b>
<b>Road #, or description:</b>	Road # 6134
<b>Coordinates:</b>	48 51 43.5 / 115 46 58.2
<b>Site Notes:</b>	
	<p>2020: Gate barrier with a leaning/unstable lock post. A passage to gate-left approx. 3' allows access by motorcycles. There is a USFS marker, located gate-right, indicating the need to replace this insufficient barrier.</p> 
	

**BR 21**

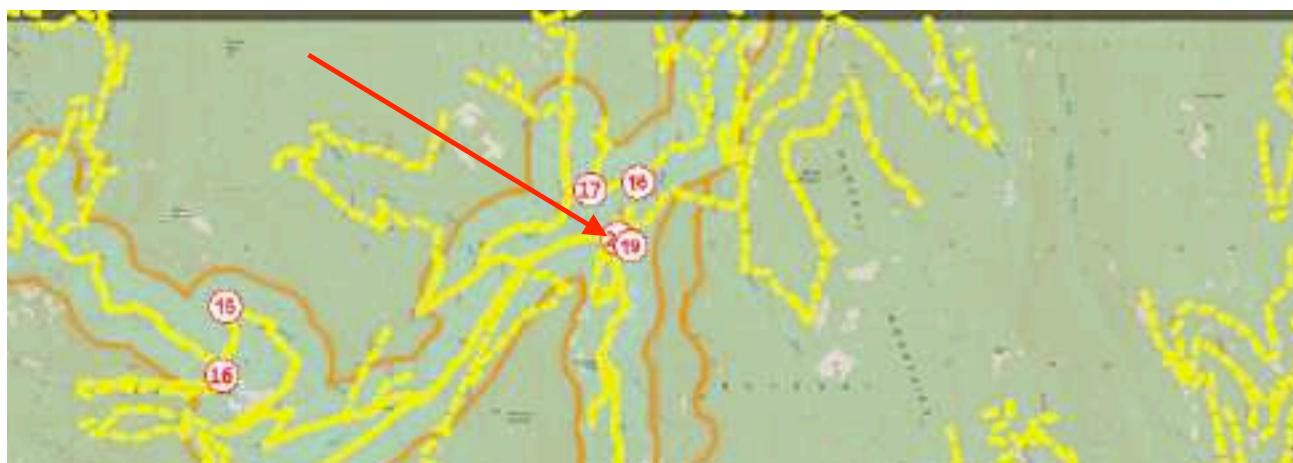
**Coordinates: N 48.97755, W -115.83713**

**Date 2024.08.13**

BMU 14 Female with young documented 2016-2023.

Barrier ineffective 2024. KNF 5894 Road. The gate is bypassable on gate left, and the woods have been cleared to the gate left. ATV passable.

Remedy-boulders.



Barrier bypassable on gate left.



CalTopo Properties

BR-21

48.97261, -115.84014

Raw Photo Properties

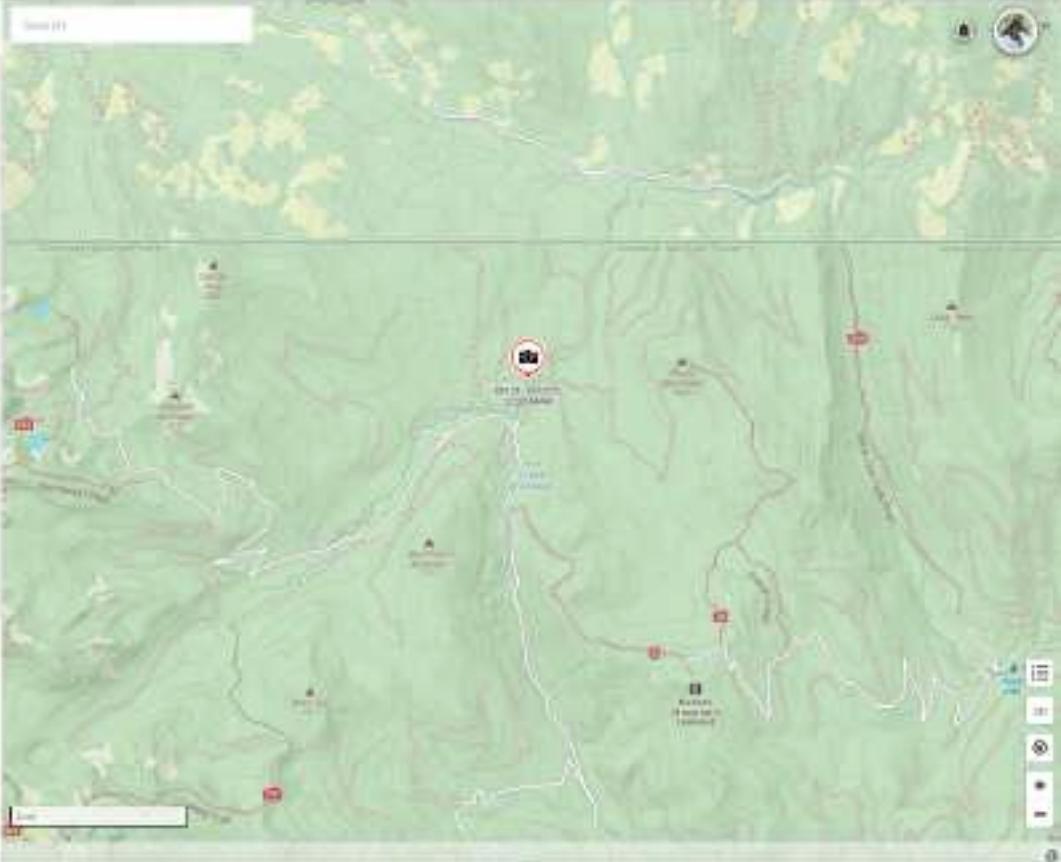
August 2, 2024 6:35 AM

48.97261, -115.84014

257°

Back Waypoint X

WP 21 - 6/22/22, 11:28:44AM 125  
AMN 12, 2022, W 03 AM



Elevation: 4,369 ft

Coordinates: 48.97755, -116.83712

Current Weather: 93°F 25% 71.11

Notes: Only Forest with young documented 2019-2020. KMF 1054 Road. Gate is by permission on gate left and the roads have been cleared to gate left. ATV permissible. Remotely-located.

Map Visibility: ON

Report as Inactive:



A screenshot of a mobile application interface. At the top, there are navigation buttons for 'Back' and 'Waypoint' with a 'X' button. Below this is a timestamp 'BR 21 - 6/22/23, 11:33:44 AM' and coordinates '48.97755, -115.83753'. A large photo of a green, textured rock formation is on the left. To its right is a map of a hilly area with several red location markers. One marker is highlighted with a red circle and a camera icon, indicating the current waypoint. Below the map are sections for 'Elevation' (4,362 ft), 'Coordinates' (48.97755, -115.83753), 'Current Weather' (21°F, 25% chance of rain), and 'Notes' (mentioning BLM permits and KMF 300-4 road). At the bottom, there are buttons for 'EROSION' and 'Map Visibility - 250'.



« Back Waypoint X

BR 21 - 6/22/23, 11:33:48AM

Arr 11:33AM

Search

Current Weather

18°F 25% 0.00°F 10% 0.00°F

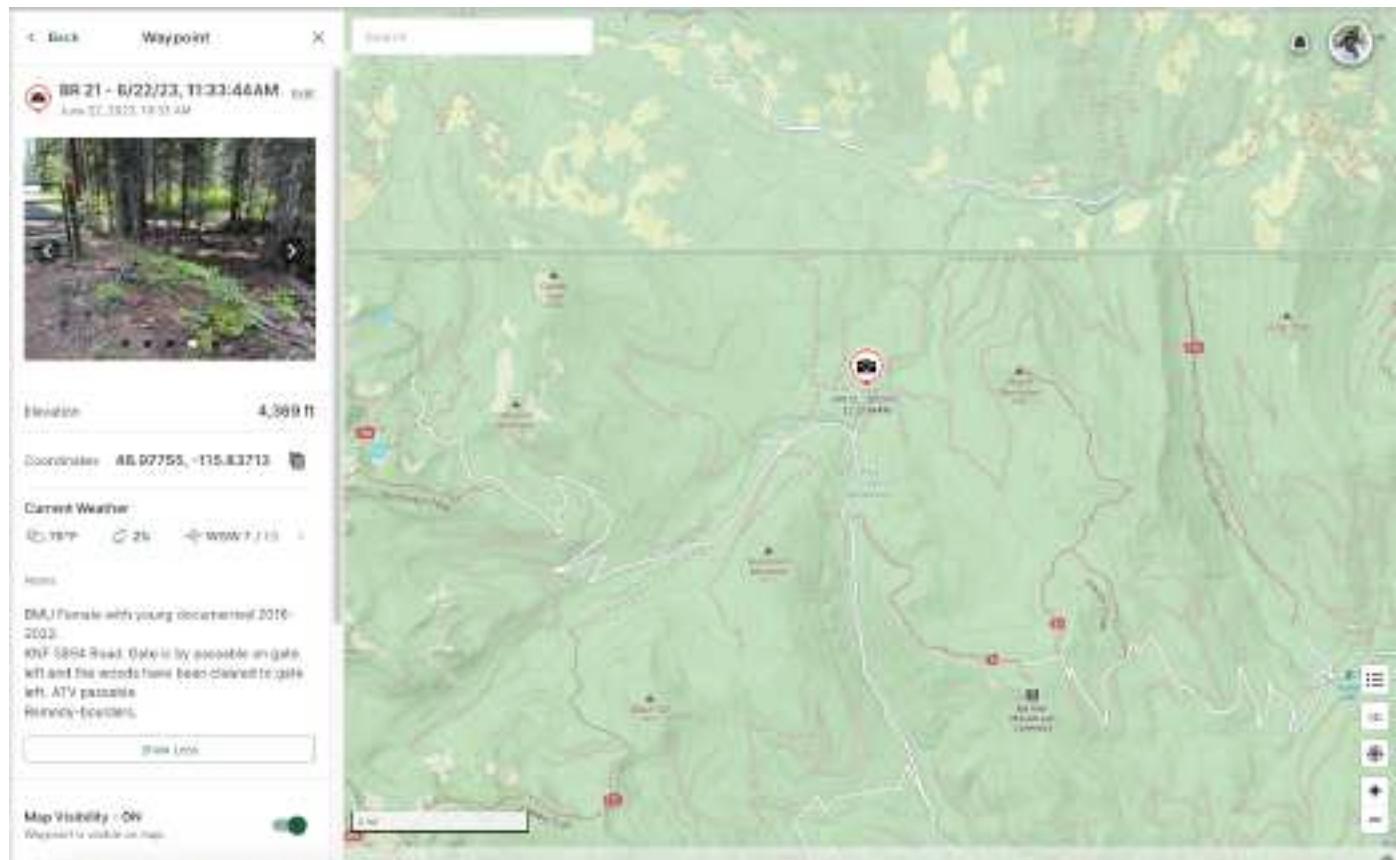
Notes

DMJ Porcile with young documented 2016-2023  
KTV 5844 Road. Only 10' by accessible on gate left and the weeds have been cleared to gate left. ATV passable.  
Rimrock-located.

Map Visibility: ON

Waypoint is visible on map.





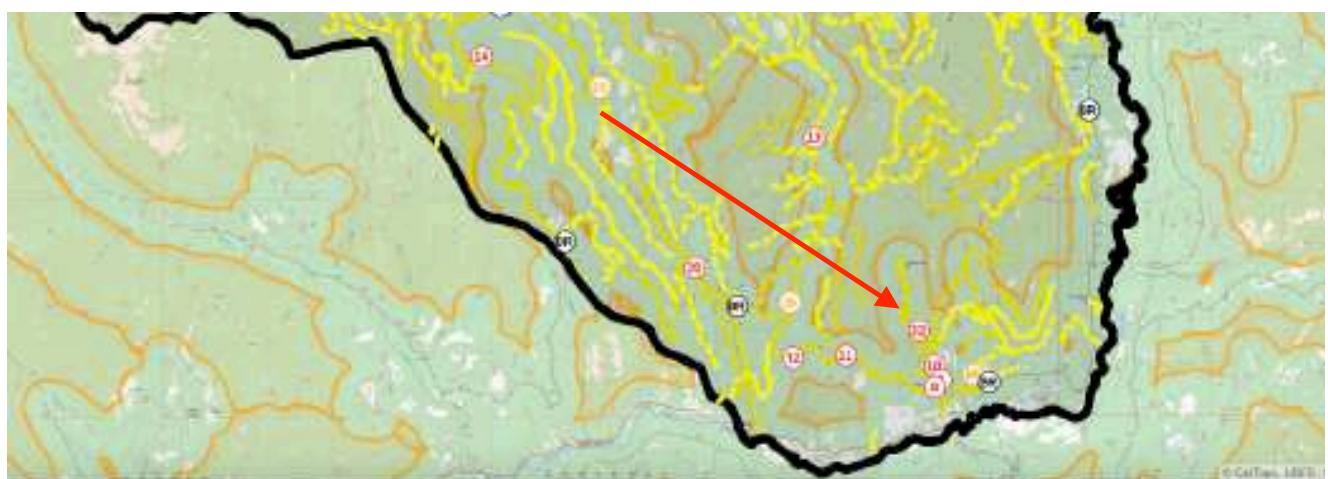
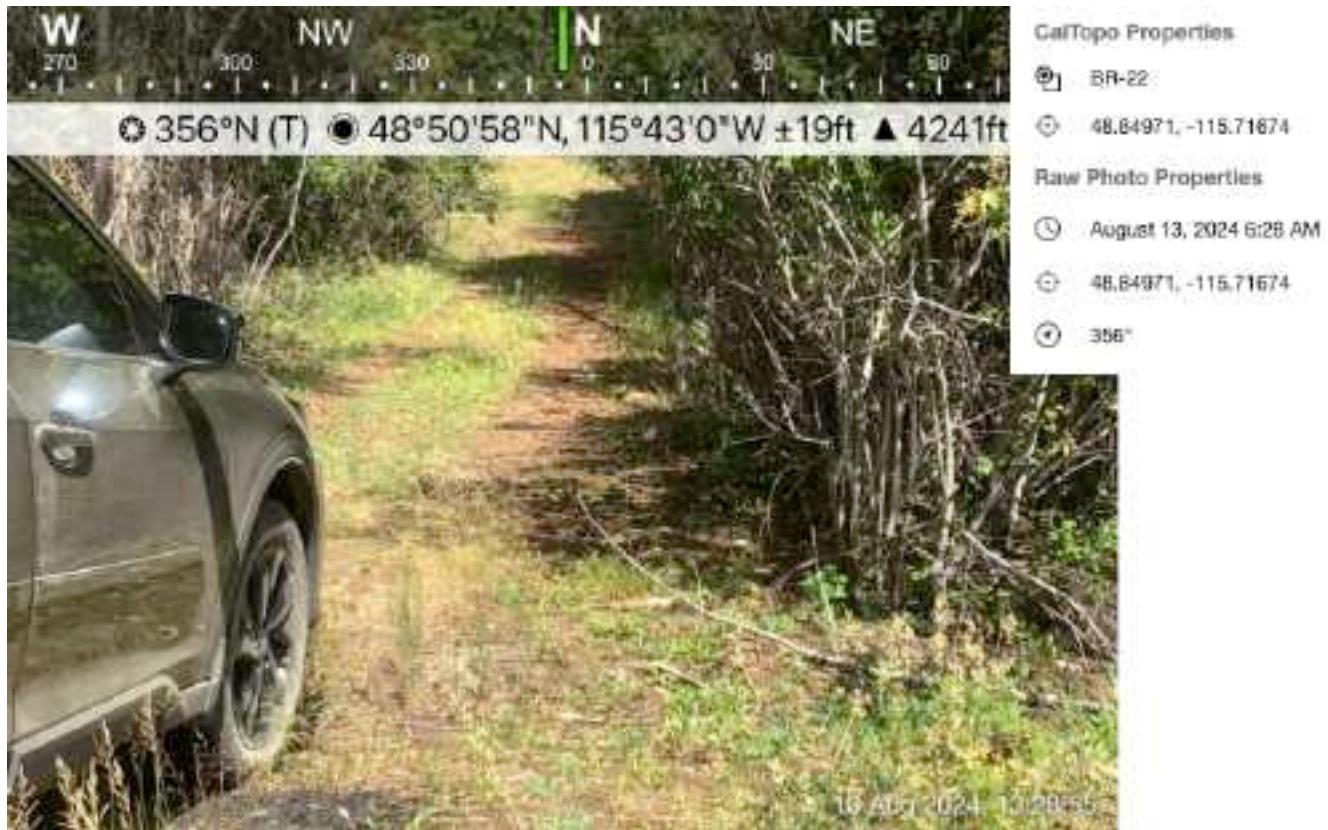
BR 22

Coordinates: N 48.84971, W -115.71574

Date: 2024.08.13

BMU 15 Female with young documented 2016-2023

Barrier ineffective 2024. Unbarriered road open for several hundred yards then blocked by downed tree.



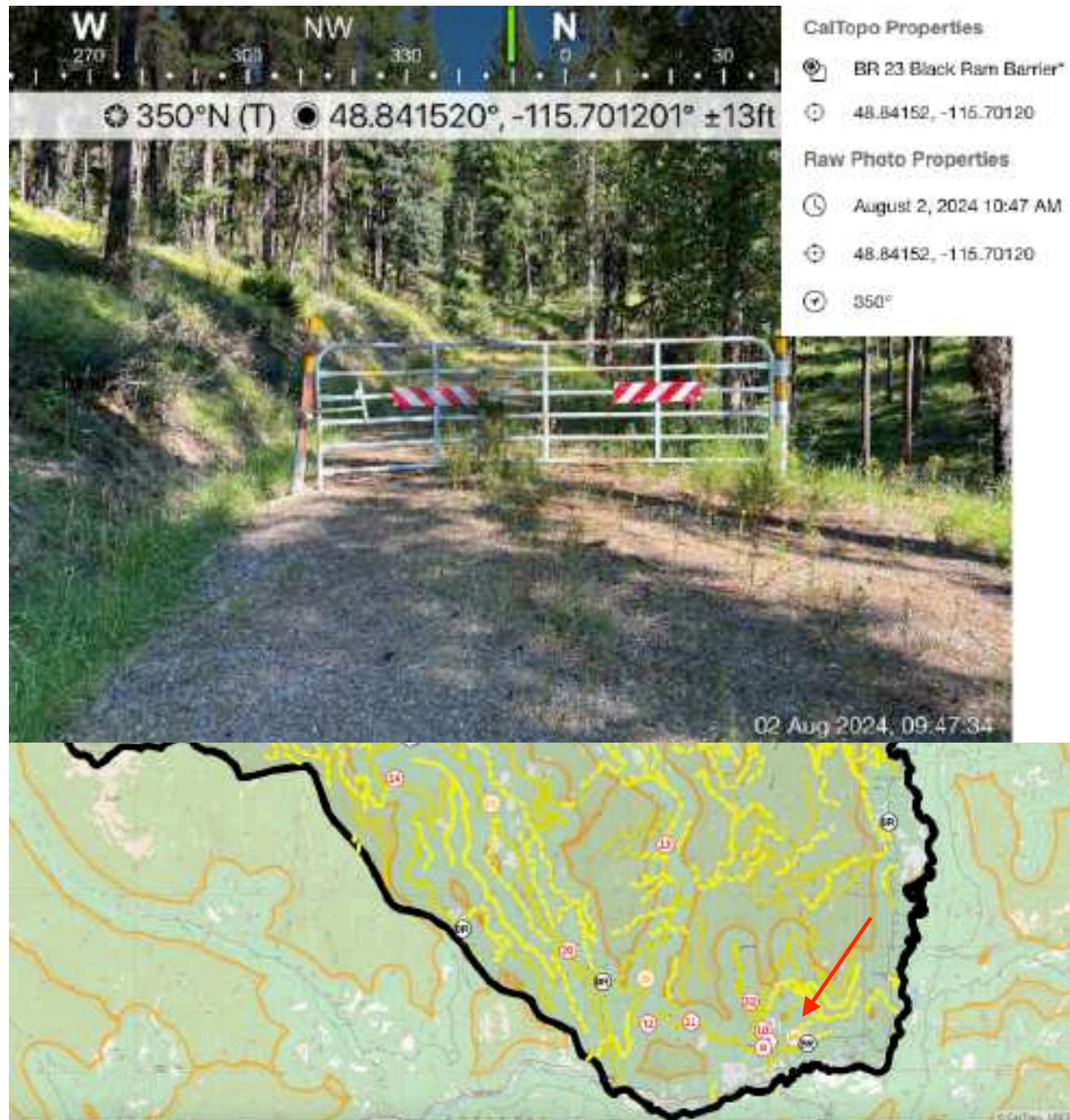


## 2024 New Identified Insufficient Barriers-road access behind barrier extending over 300 feet.

**BR 23**      **Coordinates: N 48.841520, W -115.701201**      **Date: 20234.08.02**

BMU 15 Female with young documented 2016-2023

Barrier ineffective 2024.



**BR 24      Coordinates: N 48.92571, W -115.75106      Date: 2024.08.13**

BMU 15 Female with young documented 2016-2023

Barrier ineffective 2024. Berm barrier, bypassable on the right side. Road open behind the barrier.



**BR 25**

**Coordinates: N 48.89687, W -115.81093**

**Date: 2024.08.02**

BMU 14 Female with young documented 2016-2023

Barrier ineffective 2024. Road barriered with gate and berm 2024.08.02. Road open and drivable behind berms. Berms were removed with evidence of traffic for most of August 2024.



2024.08.18 Road berm barriers removed with evidence of a lot of traffic moving in both directions.



**BR 26      Coordinates: N 48.951760, W -115.592472      Date: 2024.08.13**

BMU 15 Female with young documented 2016-2023

Barrier ineffective 2024. Woods Mountain Trailhead. The gated road is bypassable on the left. Access is wide enough for ATVs, side-by-side, or small trucks. Road behind gate is drivable.





**BR 27**

**Coordinates: N 48.929107, W -115.755557**

**Date: 2024.08.13**

BMU 15 Female with young documented 2016-2023

Barrier ineffective 2024. Bermed old road. Berm can be ridden over with a motorcycle. Road behind berm is open and passable by motorcycle or ATV.



**BR 28**

**Coordinates: N 48.92832, W -115.72514**

**Date: 2024.07.18**

BMU 15 Female with young documented 2016-2023

Barrier ineffective 2024. Old bermed road. Open trail behind berm. Berm passable and road accessible for motorcycles.



BR 29

**Coordinates: N 48.85514, W -115.75511**

Date: 2024.08.02

BMU 15 Female with young documented 2016-2023.

Barrier ineffective 2024. User-created road.



