

End of Season Monitoring Report 2025

Fishlake National Forest

Richfield Ranger District

Water Hollow Allotment

Prepared by: Chantel Anderson, Rangeland Management Specialist

Date: 2/20/2026

Utilization Protocol

Sampling end of season utilization was collected through the ArcGIS-Survey123 application. Additionally, photo points were collected as part of the end of season monitoring effort at each site. All employees were trained on the protocol prior to data being collected to reduce observer error and increase the precision of measurements.

Monitoring Methodology

Monitoring followed the Key Species Method protocol outlined in the following reference: Utilization Studies and Residual Measurements Interagency Technical Reference 1999.

Key Species Method

Utilization levels are based on an ocular estimate of the amount of forage removed by weight on individual key species and observations are recorded in one of seven utilization classes. This method was used in the Water Hollow Allotment to estimate the browse and herbaceous utilization.

Table 1: Water Hollow Allotment Utilization Averages

Site	Utilization Average (%)	Exceeded Standards (Y or N)	80% Confidence Interval
Steves Pass	57.2	N	1.9
Old Post Road	49.4	N	2.2
Water Hollow	39.4	N	2.1

Steves Pass 23-01/23-02	31	N	2.0
Cottonwood Bars	44.9	N	2.3

*Standards were met in all pastures on the allotment.

Livestock Management

Table 2: Water Hollow Allotment Grazing Schedule - Season 6/1-10/15

Pasture	Tentative Dates	Number of Livestock
Steves Pass	3 weeks	382 c/c
Old Post Road	3 weeks	203 c/c
Water Hollow	3 weeks	100 c/c
Cottonwood Bars, Upper & Lower Beavers	July-10/15	685 c/c
Alumbed	REST	



Range Monitoring Report

Fishlake | Richfield

WATER HOLLOW - 04011

Monitoring Date: November 6, 2025

Employees Present:

Oyler

Drought Indicator: No

COTTONWOOD BARS PASTURE - 004

Site or Key Area Name:

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 6, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: July 1, 2025 to October 15, 2025

Estimated Use Days: 107

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 685 AUM: 2,409.7

Total AUM: 2,410

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perennial Grass Species**

Species 1 Percent Utilization: 44.9

Max Allowable Use: 60

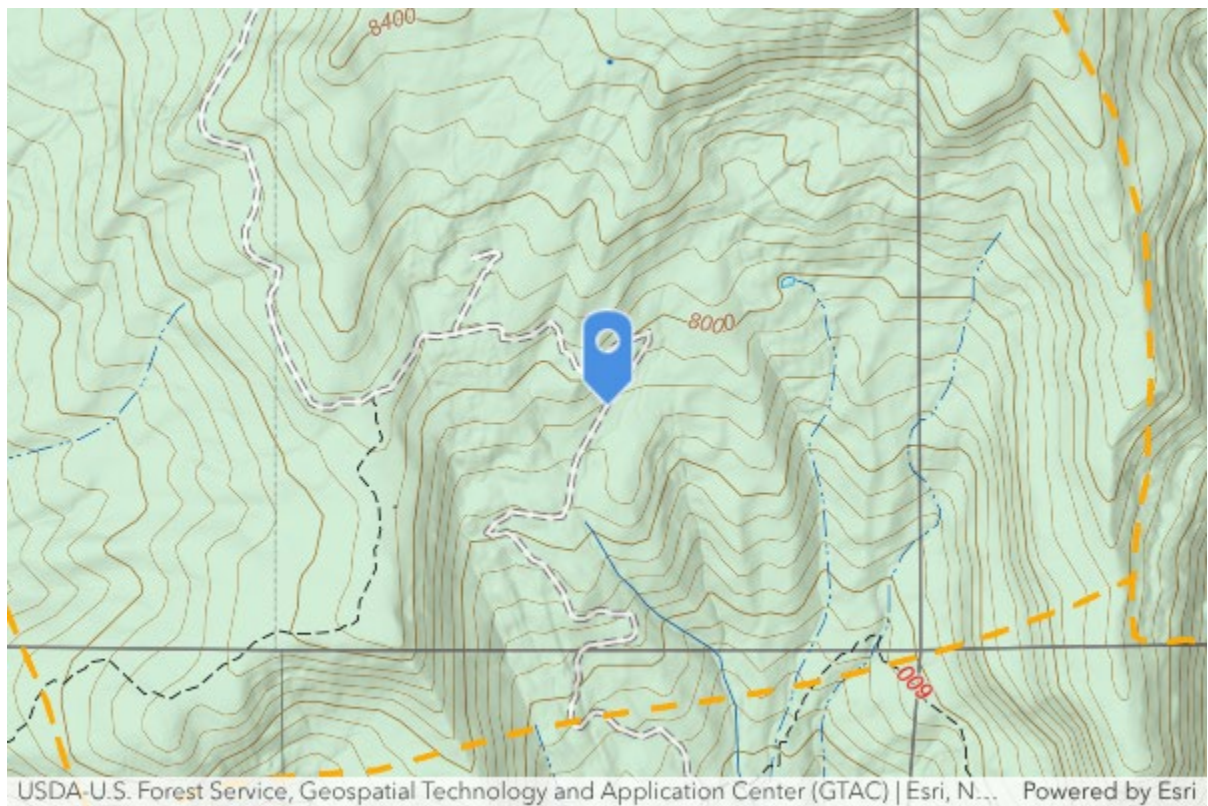
Within Guidelines? Yes



General view looking east



Closeup of vegetation



12S 444989E 4309931N 38.93659364860809, -111.63471827666358

Is the Standard Met? Yes

Is follow-up needed for compliance? No



Range Monitoring Report

Fishlake | Richfield

WATER HOLLOW - 04011

Monitoring Date: November 6, 2025

Employees Present:

Oyler

Drought Indicator: No

OLD POST ROAD PASTURE - 002

Site or Key Area Name: Seedings

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 6, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 1, 2025 to June 16, 2025

Estimated Use Days: 16

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 203 AUM: 106.8

Total AUM: 107

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perennial Grass Species**

Species 1 Percent Utilization: 49.4

Max Allowable Use: 60

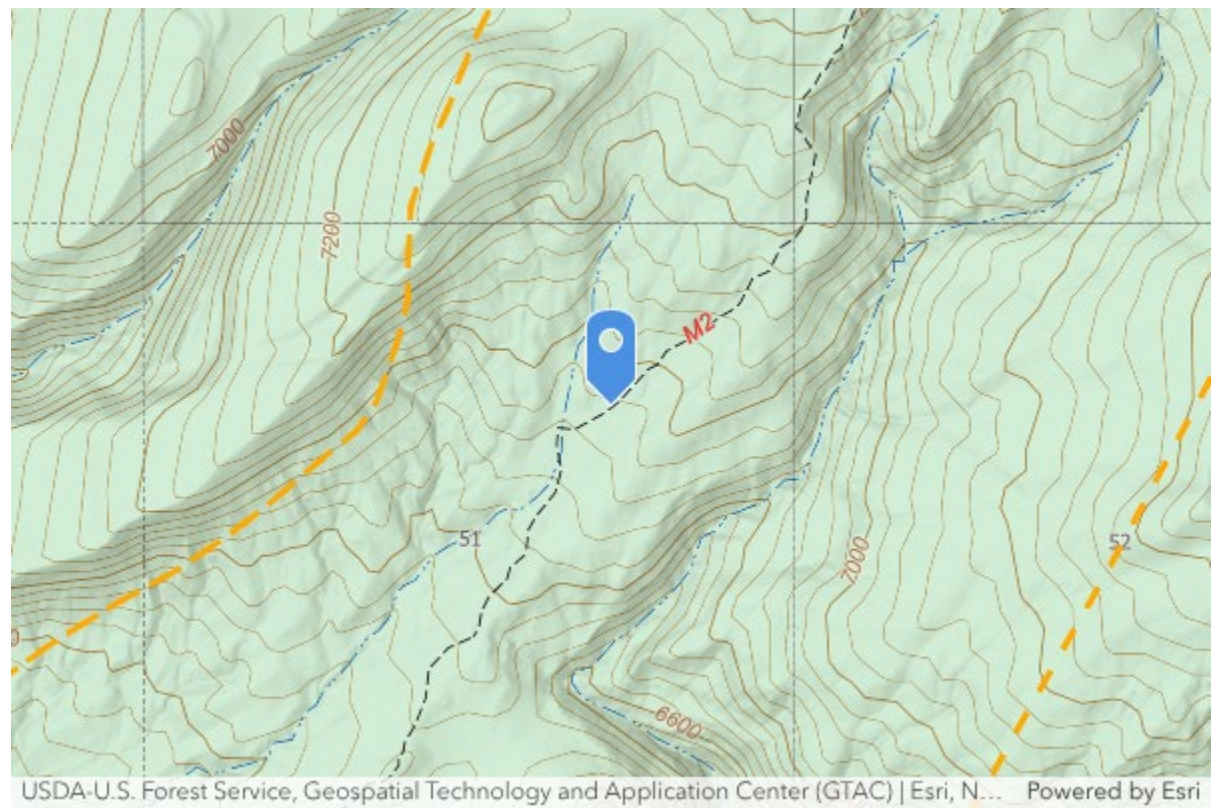
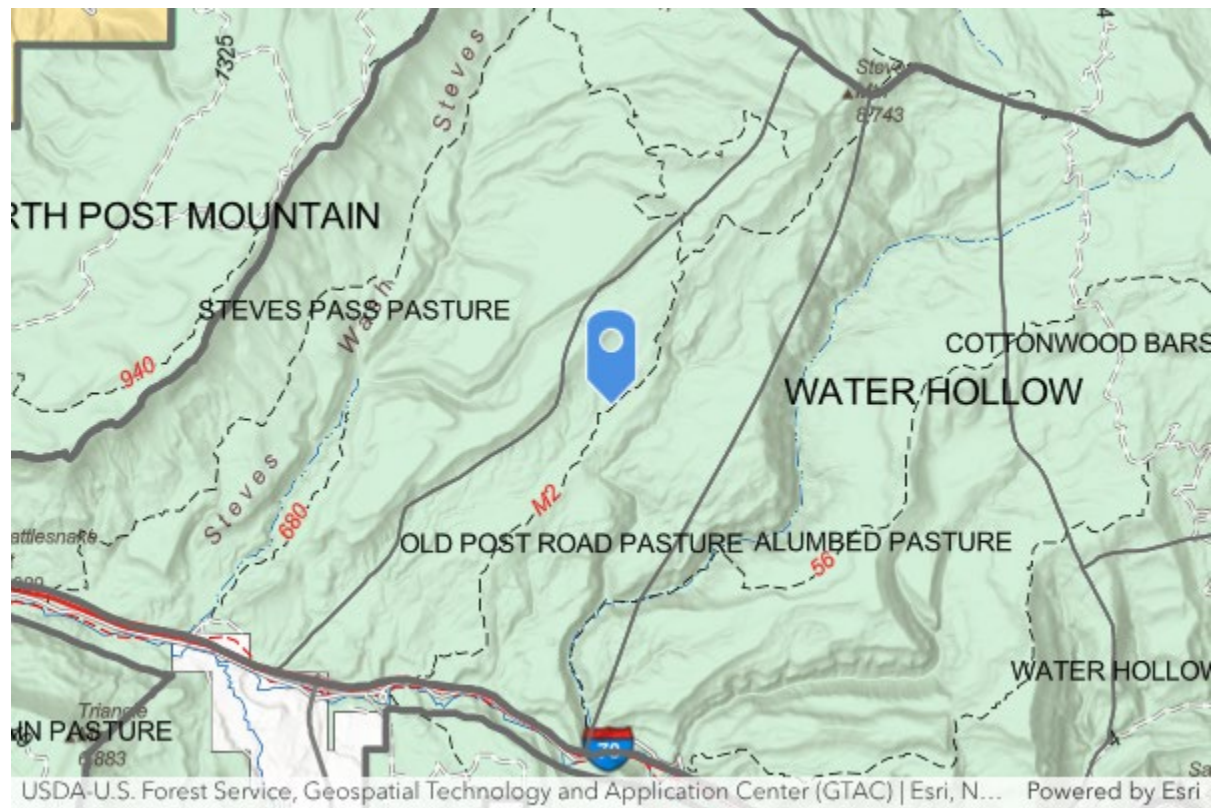
Within Guidelines? Yes



Closeup of vegetation



General view looking south



12S 438895E 4310533N 38.94161517618413, -111.70507765084575



Range Monitoring Report

Fishlake | Richfield

WATER HOLLOW - 04011

Monitoring Date: November 12, 2025

Employees Present:

Oyler

Drought Indicator: No

STEVES PASS PASTURE - 001

Site or Key Area Name: Trend Plot 23-01, 23-02

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 12, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 1, 2025 to June 23, 2025

Estimated Use Days: 23

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 381 AUM: 288.1

Total AUM: 288

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perennial Grass Species**

Species 1 Percent Utilization: 31

Max Allowable Use: 60

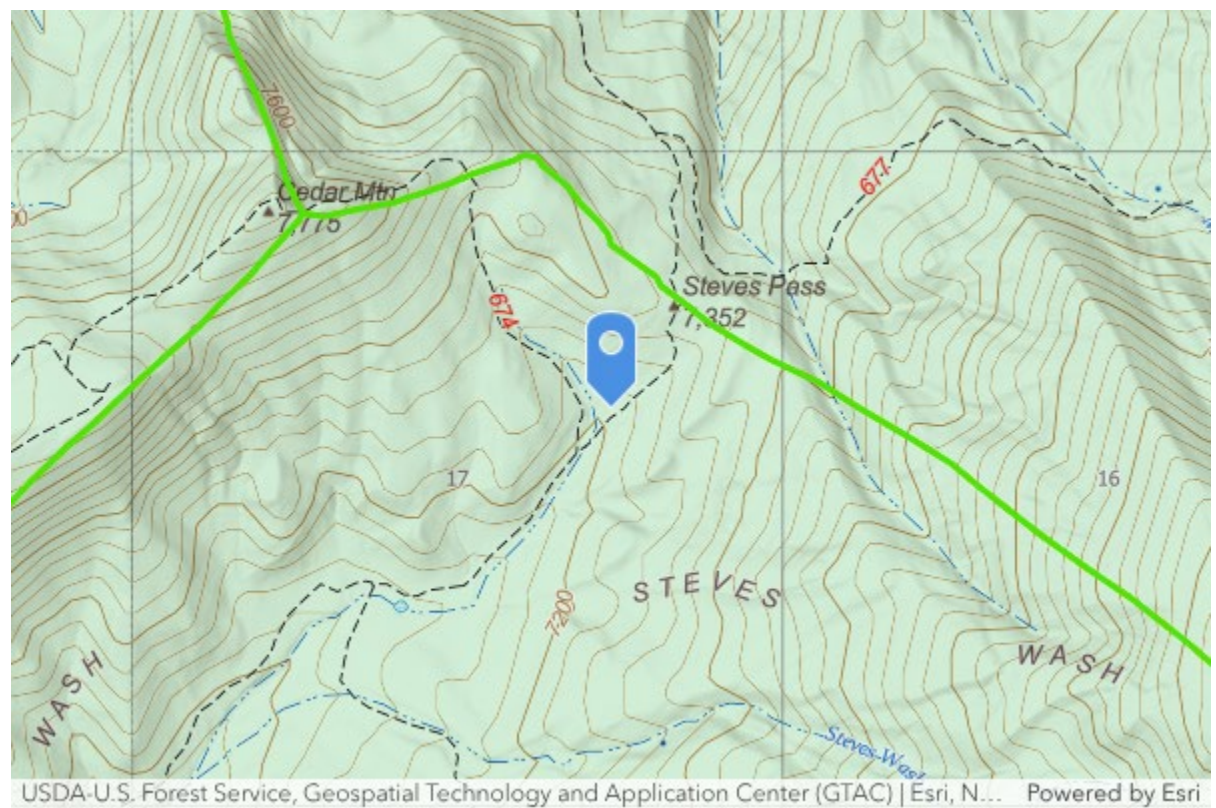
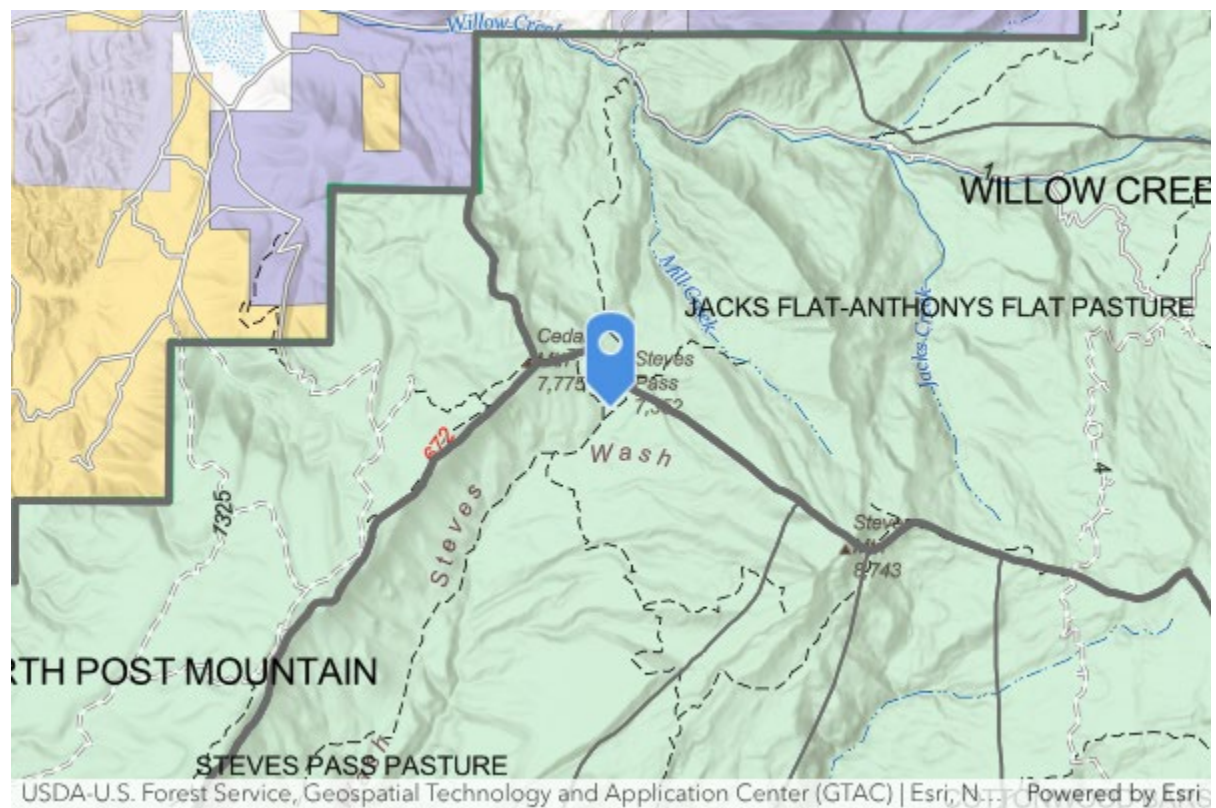
Within Guidelines? Yes



General view looking west



Closeup of vegetation



12S 438956E 4315178N38.98347357600589, -111.70478662780829



Range Monitoring Report

Fishlake | Richfield

WATER HOLLOW - 04011

Monitoring Date: November 6, 2025

Employees Present:

Oyler

Drought Indicator: No

STEVES PASS PASTURE - 001

Site or Key Area Name:

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 6, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 1, 2025 to June 16, 2025

Estimated Use Days: 16

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 384 AUM: 105.7

Total AUM: 106

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perennial Grass Species**

Species 1 Percent Utilization: 57.2

Max Allowable Use: 60

Within Guidelines? Yes



General view looking north





[12S 441245E 4313099N](#)38.96489066513404, -111.67818705099835

Is the Standard Met? Yes

Is follow-up needed for compliance? No



Range Monitoring Report

Fishlake | Richfield

WATER HOLLOW - 04011

Monitoring Date: November 6, 2025

Employees Present:

Oyler

Drought Indicator: No

WATER HOLLOW PASTURE - 007

Site or Key Area Name:

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 6, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 1, 2025 to June 16, 2025

Estimated Use Days: 16

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 100 AUM: 52.6

Total AUM: 53

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perennial Grass Species**

Species 1 Percent Utilization: 39.4

Max Allowable Use: 60

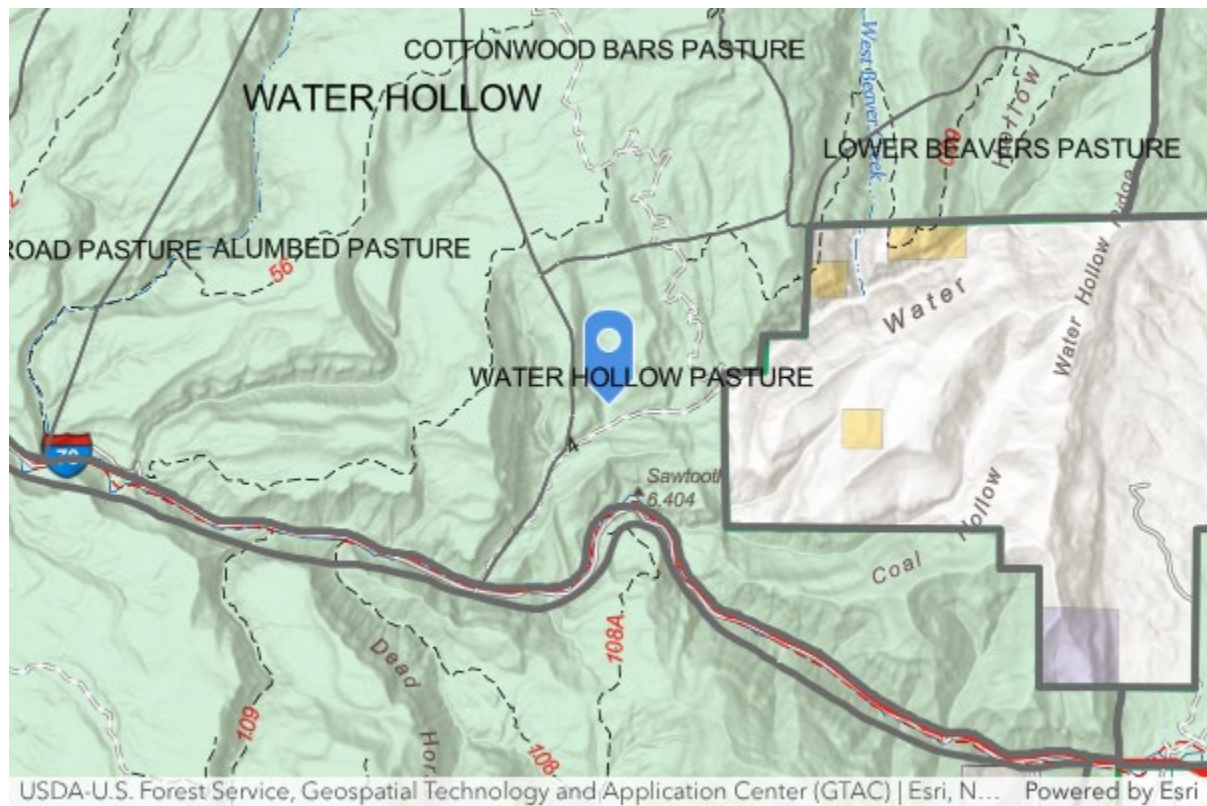
Within Guidelines? Yes



Closeup of vegetation



General view looking east



12S 444430E 4307484N 38.91450903521227, -111.64097120573919