End of Season Monitoring Report 2025
Fishlake National Forest
Richfield Ranger District
Browns Hole Allotment

Prepared by: Chantel Anderson, Rangeland Management Specialist

Date: 3/3/2026

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 Browns Hole Allotment to estimate the browse and herbaceous utilization.

Table 1: Browns Hole Allotment Utilization Averages

Site	Utilization Average (%)	Exceeded Standards (Y or N)	80% Confidence Interval
Summer Range 33-16C	45.2	N	1.9
Summer Range 33-06	52.1	N	1.6
Summer Range 33-07	52.9	N	2.0
Summer Range 23-22	49.7	N	2.2

Prowse Spring 22-05	54.1	N	1.6
Stans 32-08	46.3	N	2.0
Flowell	17	N	2.1
Black Mountain	31.3	N	2.2
Triangle Mountain	10.3	N	1.2
Upper Soldier Cyn 22-10B	46.4	N	2.5
Rocks	14.8	N	1.7
Rocks 32-07	21.8	N	2.6
Rocks 32-02	11.9	N	1.7
Prowse Spring 32-06	21	N	1.7

*Standards were met in all pastures on the allotment.

Riparian Monitoring

Stubble Height Protocol

Sampling end of season stubble height data was collected through the ArcGIS-Survey123 application. 36 measurements per site were taken using the line step protocol. 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.

Table 2: Riparian Stubble Height

Site	Stubble Height	Exceeded Standards (Y or N)	80% Confidence Interval
Summer Range 33-09B	6.0	N	0.7

*Stubble height standards were met.

Livestock Management

Table 3: Browns Hole Allotment Grazing Schedule - Season 6/1-10/15

Pasture	Tentative Dates	Number of Livestock
Black Mountain	4 weeks	991 c/c
Prowse Spring	4 weeks	991 c/c
Triangle Mountain	4 weeks	991 c/c
Upper Soldier Canyon	4 weeks	991 c/c
Stans	4 weeks	991 c/c
Flowell	4 weeks	991 c/c
Mud Springs	4 weeks- avoid treatment areas	991 c/c
Browns Hole	2 weeks	268 c/c
Summer Range	15 weeks	1259 c/c
Rocks	Rest	
FFA Pasture/Gooseberry	7/1-10/15	21
Oak Ridge Riders Camp	6/1-10/15	horses

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: November 4, 2025

Employees Present:

Oyler

Drought Indicator: No

BLACK MOUNTAIN PASTURE - 001

Site or Key Area Name:

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 4, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 1, 2025 to June 29, 2025

Estimated Use Days: 29

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 142 AUM: 135.4

Total AUM: 135

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perrenial Grass Species**

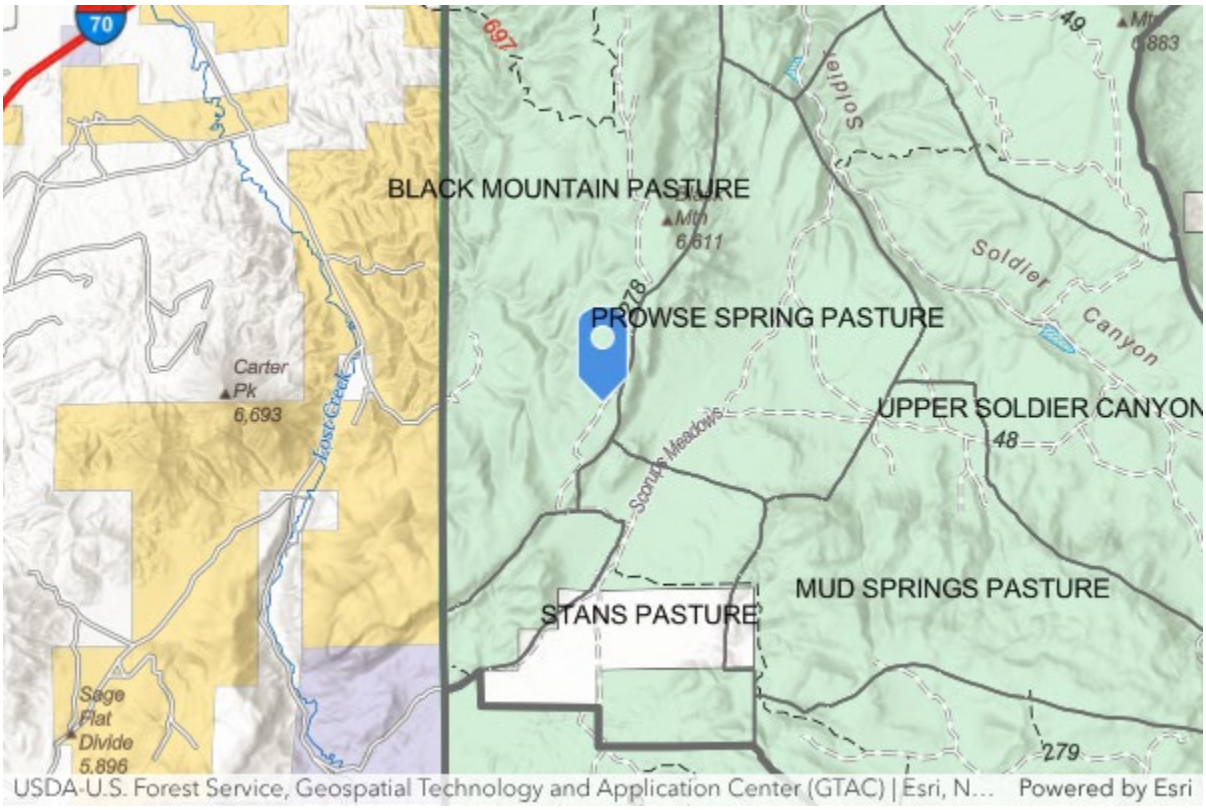
Species 1 Percent Utilization: 31.3

Max Allowable Use: 60

Within Guidelines?Yes

General view looking west

Closeup of vegetation



12S 427901E 4303321N38.87579212939054, -111.83116426454544

Is the Standard Met? Yes

Is follow-up needed for compliance? No

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: August 18, 2025

Employees Present:

Connor/Ian

Drought Indicator: No

PROWSE SPRING PASTURE

Site or Key Area Name: 32-06

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: August 18, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Kind and/or Class of Animals: Cow Calf

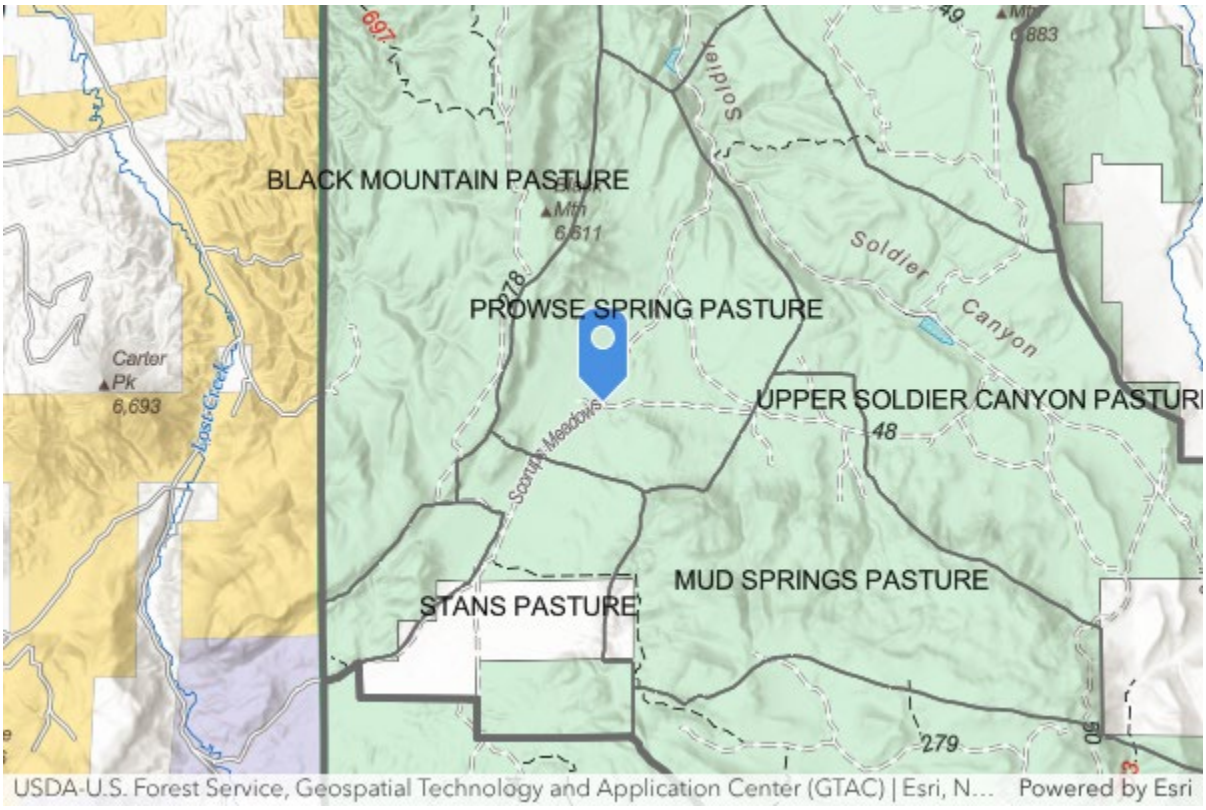
Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **PASM**

Plant Species : **AGCR**

Species 1 Percent Utilization: 21



12S 429149E 4303222N38.87499894019129, -111.81677196185274

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: August 19, 2025

Employees Present:

Brent Hafen

Drought Indicator: No

ROCKS PASTURE - 010

Site or Key Area Name: 32-02

Predominant Landform: MOUNTAIN MEADOW

Measurement Units: inches

Monitoring Date: August 19, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AOI

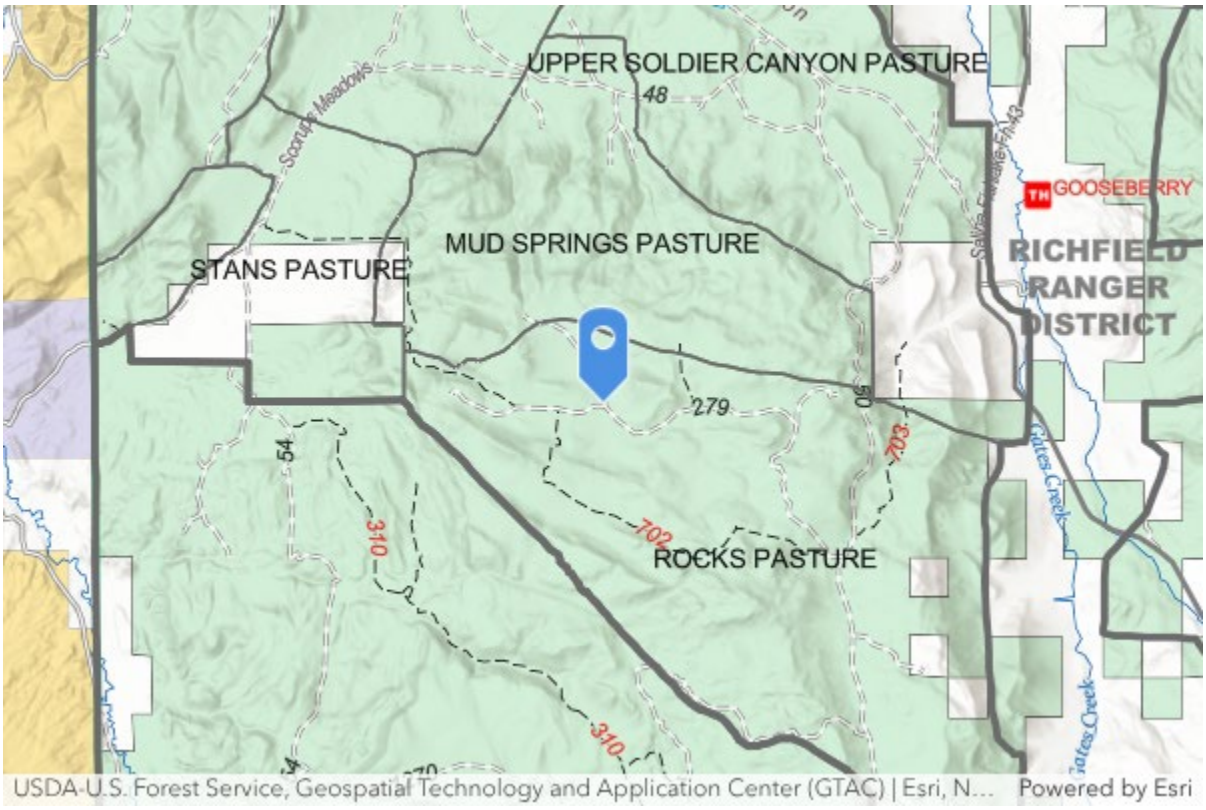
Kind and/or Class of Animals: c/c

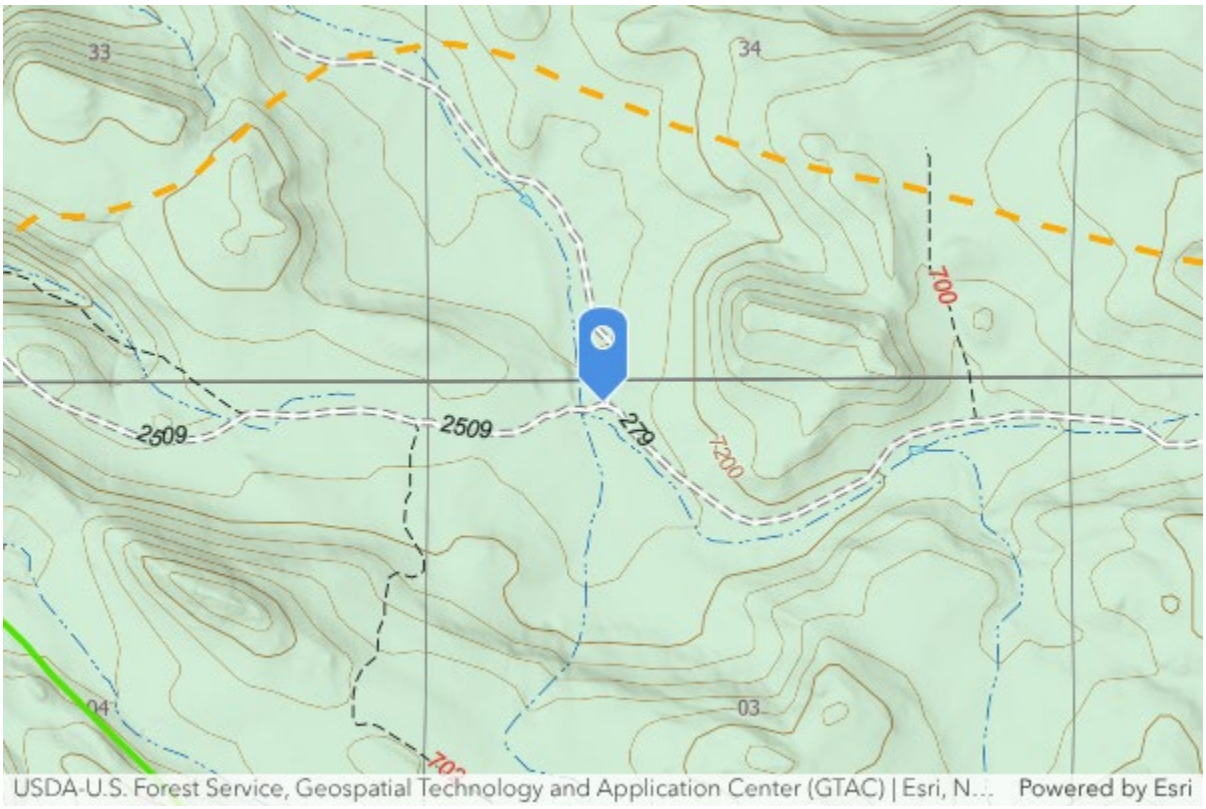
Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **AGCR**

Species 1 Percent Utilization: 11.9





12S 431482E 4299749N38.843889003655725, -111.7895342131255

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: August 19, 2025

Employees Present:

Brent Hafen

Drought Indicator: No

ROCKS PASTURE - 010

Site or Key Area Name: 32-07

Predominant Landform: MOUNTAIN MEADOW

Measurement Units: inches

Monitoring Date: August 19, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AOI

Kind and/or Class of Animals: Cow Calf, Bull

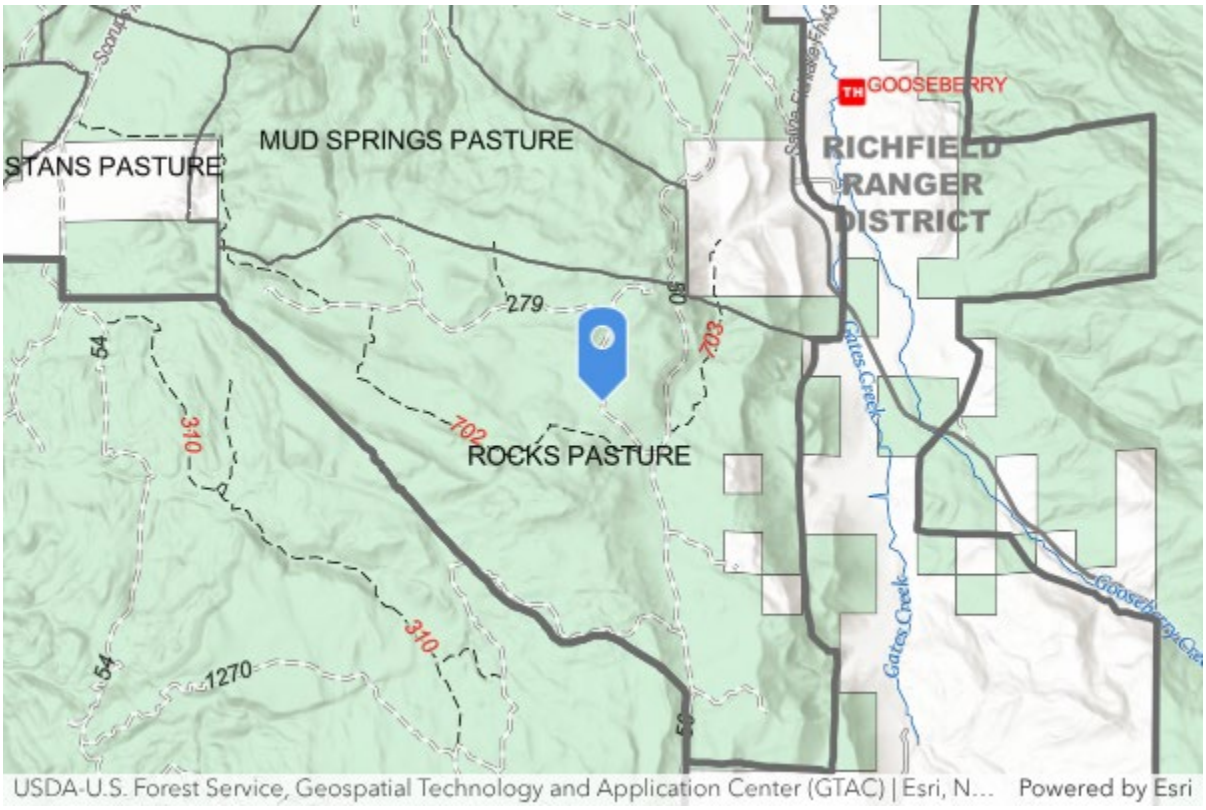
Type of Monitoring: Herbaceous Removal

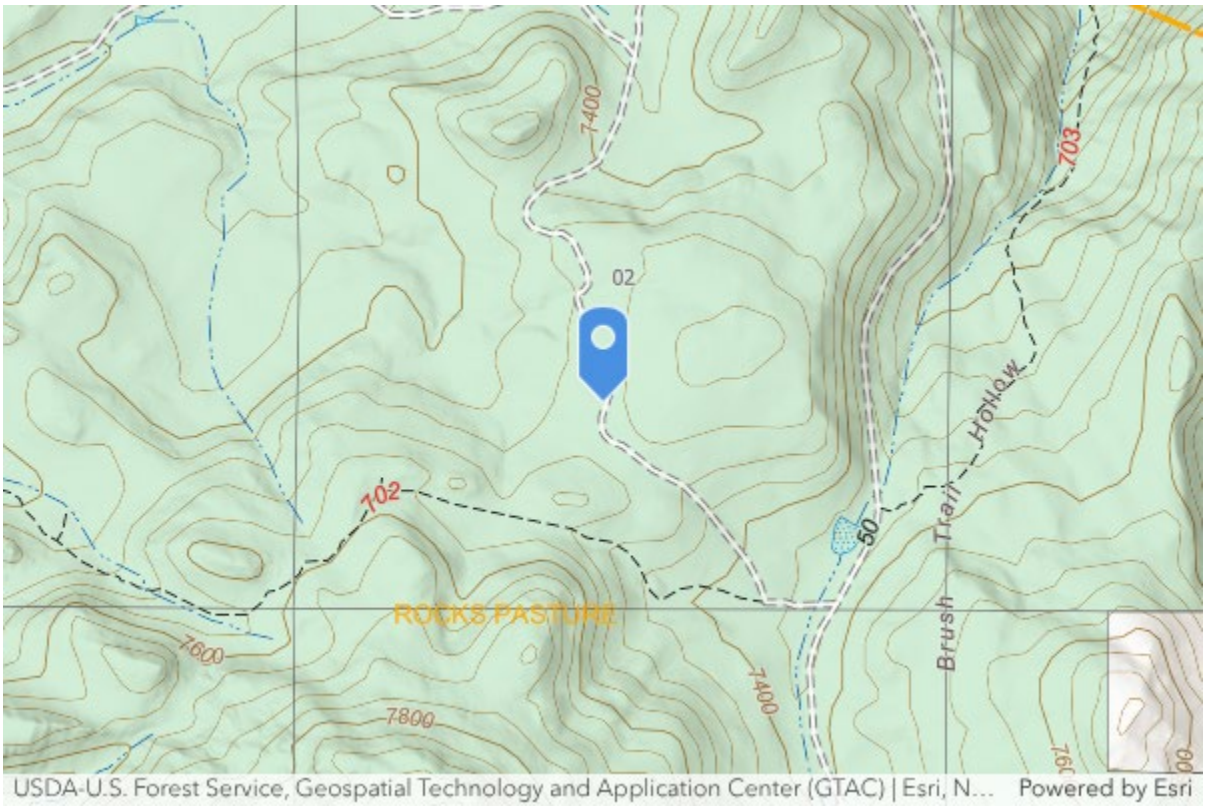
Monitoring Method: **Key Species**

Plant Species: **BOGR2**

Plant Species 2: **AGCR**

Species 1 Percent Utilization: 21.8





12S 433390E 4298674N38.83435201266327, -111.76744250969584

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: November 4, 2025

Employees Present:

Oyler

Drought Indicator: No

FLOWELL PASTURE - 007

Site or Key Area Name:

Measurement Units: inches

Monitoring Date: November 4, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 1, 2025 to June 29, 2025

Estimated Use Days: 29

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 141 AUM: 134.4

Total AUM: 134

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perrenial Grass Species**

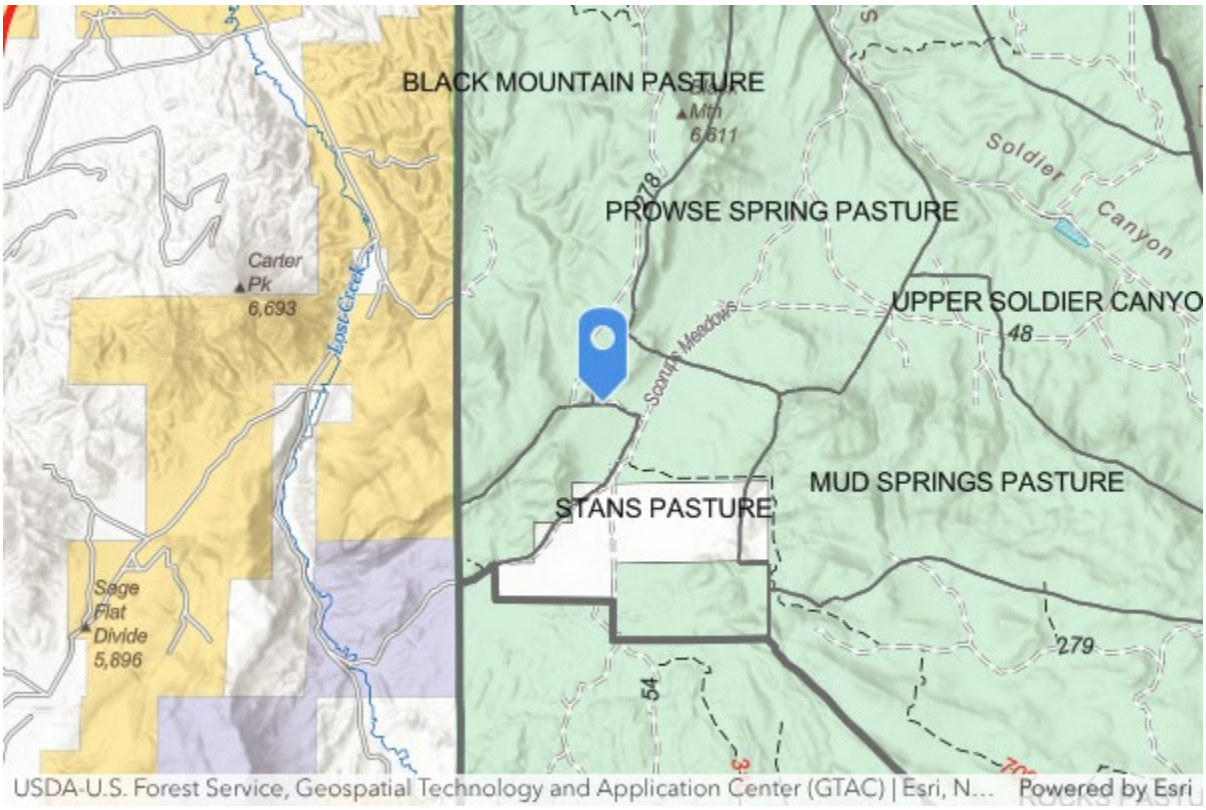
Species 1 Percent Utilization: 17

Max Allowable Use: 60

Within Guidelines?Yes

General view looking south

Closeup of use



12S 427742E 4302230N38.86594954489525, -111.83288664916378

Is the Standard Met? Yes

Is follow-up needed for compliance? No

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: November 4, 2025

Employees Present:

Oyler

Drought Indicator: No

PROWSE SPRING PASTURE - 005

Site or Key Area Name: Trend plot 22-05

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 4, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 1, 2025 to June 29, 2025

Estimated Use Days: 29

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 142 AUM: 135.4

Total AUM: 135

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perrenial Grass Species**

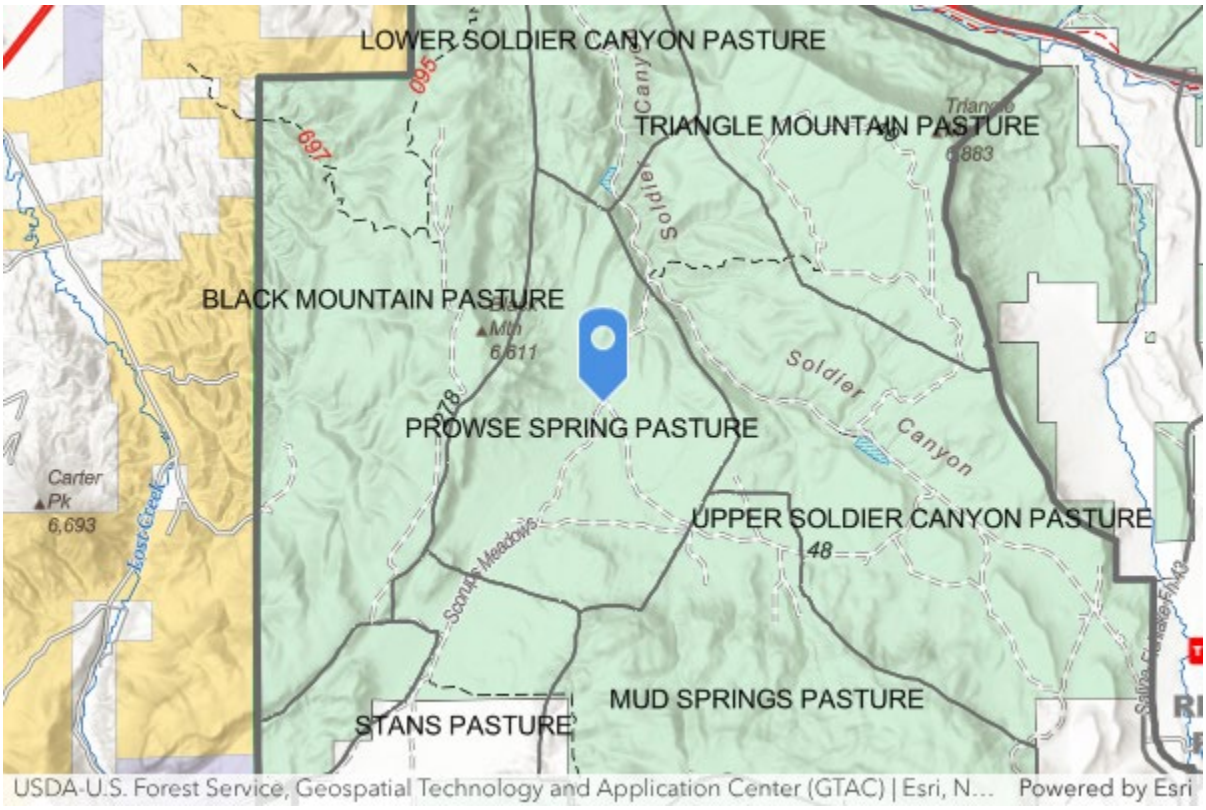
Species 1 Percent Utilization: 54.1

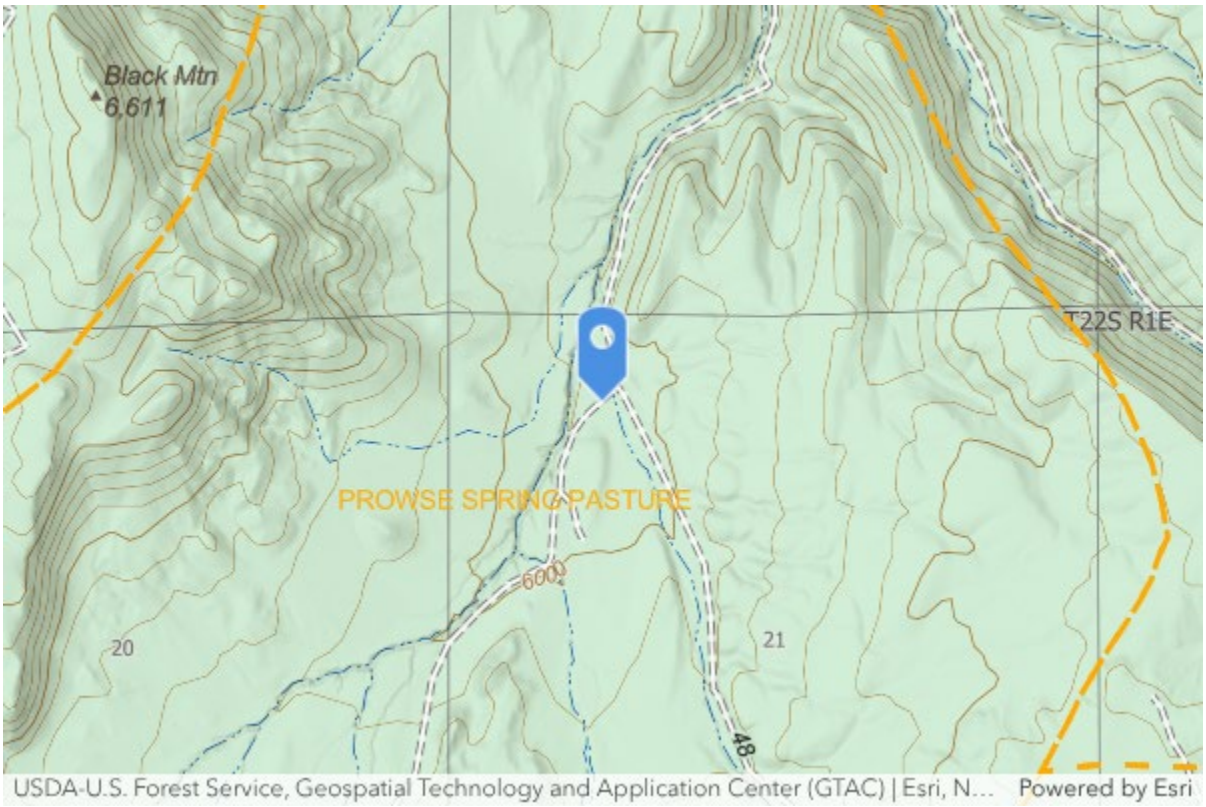
Max Allowable Use: 60

Within Guidelines?Yes

General view looking south

Closeup of vegetation





12S 429827E 4304437N38.886007823149875, -111.8090845499258

Is the Standard Met? Yes

Is follow-up needed for compliance? No

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: November 4, 2025

Employees Present:

Oyler

Others Present:

Drought Indicator: Yes

ROCKS PASTURE - 010

Site or Key Area Name:

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 4, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

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

Estimated Use Days: 1

Kind and/or Class of Animals: Cow Calf

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perrenial Grass Species**

Species 1 Percent Utilization: 14.8

Max Allowable Use: 60

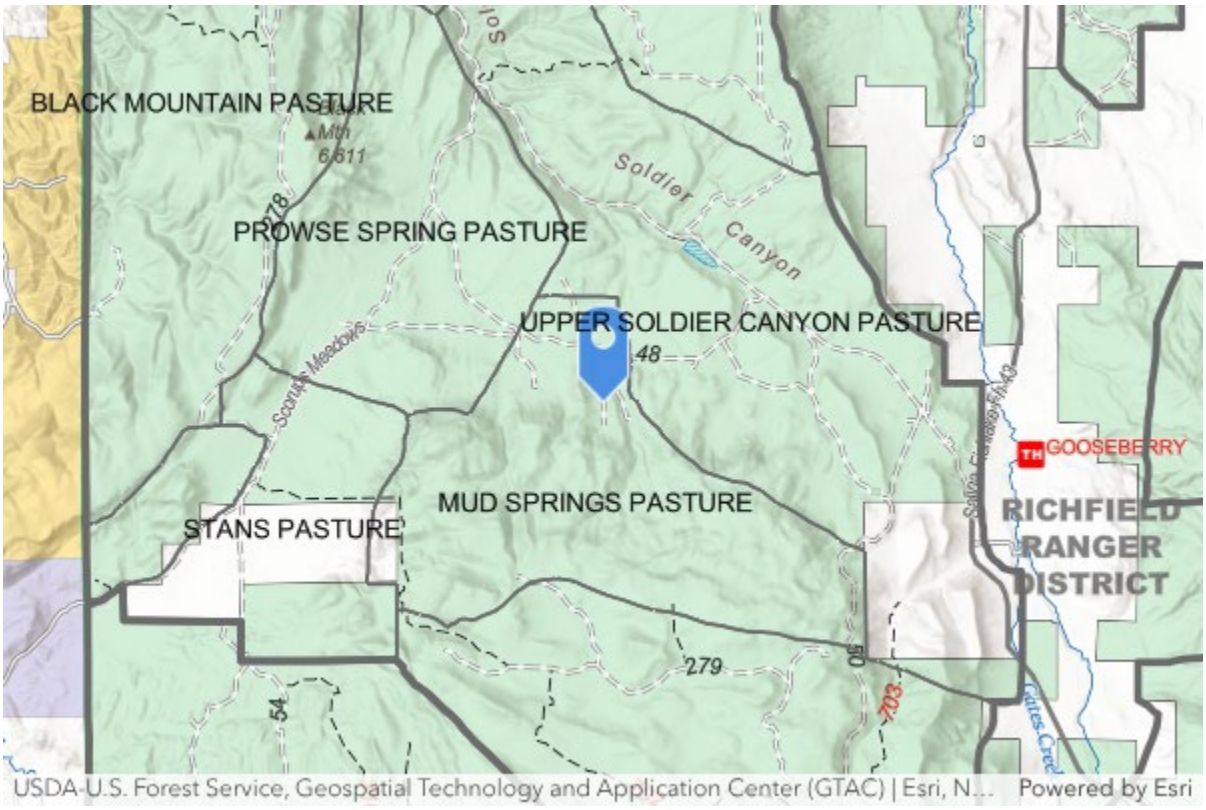
Within Guidelines?Yes

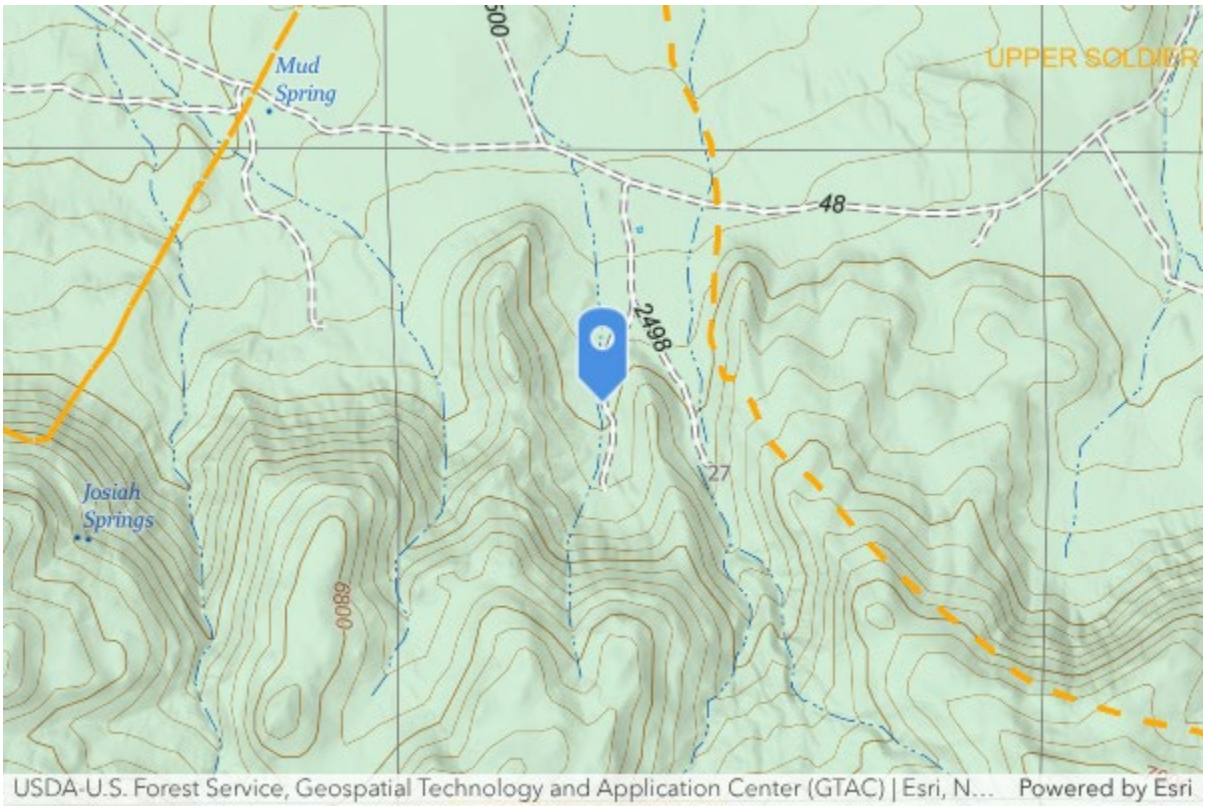
Note:

Wildlife use

General view looking southwest

Closeup view of vegetation





12S 431577E 4302408N38.86786082428973, -111.78870190160367

Is the Standard Met? Yes

Is follow-up needed for compliance? No

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: November 4, 2025

Employees Present:

Oyler

Drought Indicator: No

STANS PASTURE - 008

Site or Key Area Name: Trend plot 32-08

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 4, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 1, 2025 to June 29, 2025

Estimated Use Days: 29

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 141 AUM: 134.4

Total AUM: 134

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perrenial Grass Species**

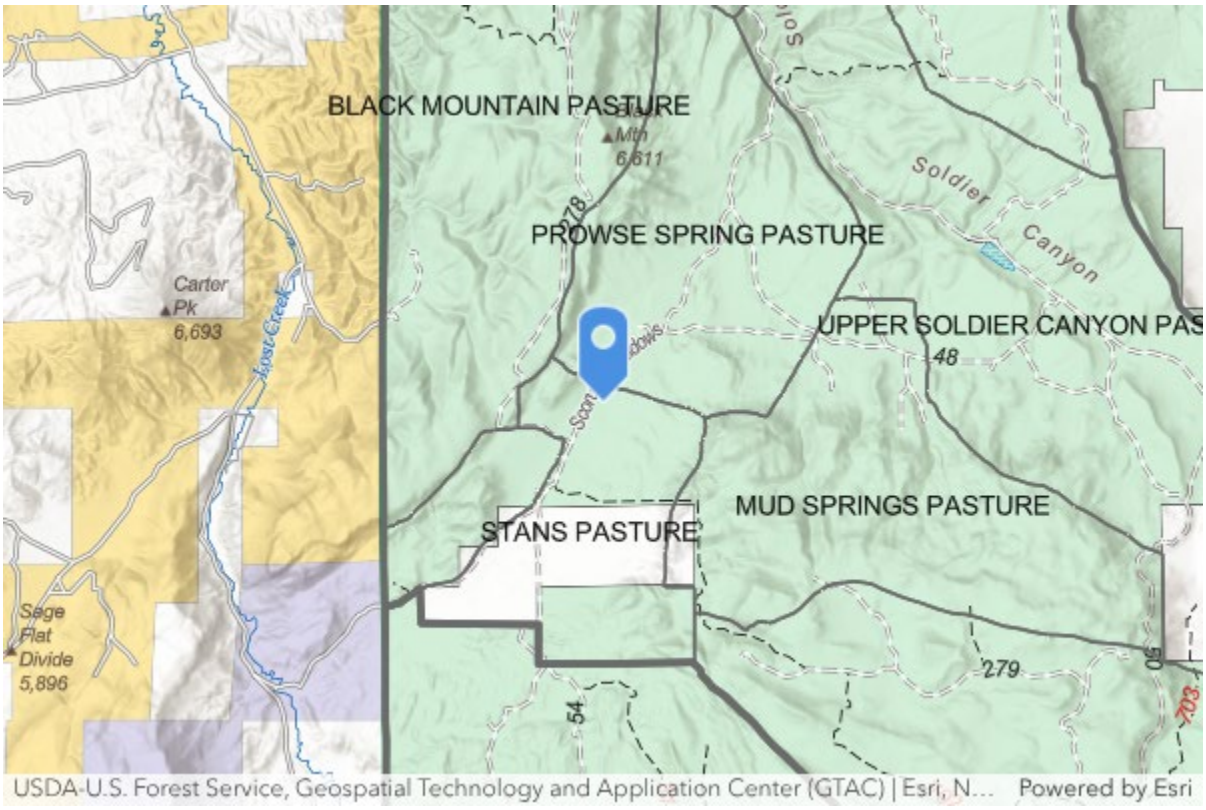
Species 1 Percent Utilization: 46.3

Max Allowable Use: 60

Within Guidelines?Yes

General view looking east

Closeup of vegetation



12S 428511E 4302464N38.868123264051455, -111.82405002347375

Is the Standard Met? Yes

Is follow-up needed for compliance? No

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: November 4, 2025

Employees Present:

Oyler

Drought Indicator: No

SUMMER RANGE PASTURE - 004

Site or Key Area Name: Trend plot 23-22 Beanie Hole

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 4, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 30, 2025 to October 15, 2025

Estimated Use Days: 108

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 1,259 AUM: 4,470.3

Total AUM: 4,470

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perrenial Grass Species**

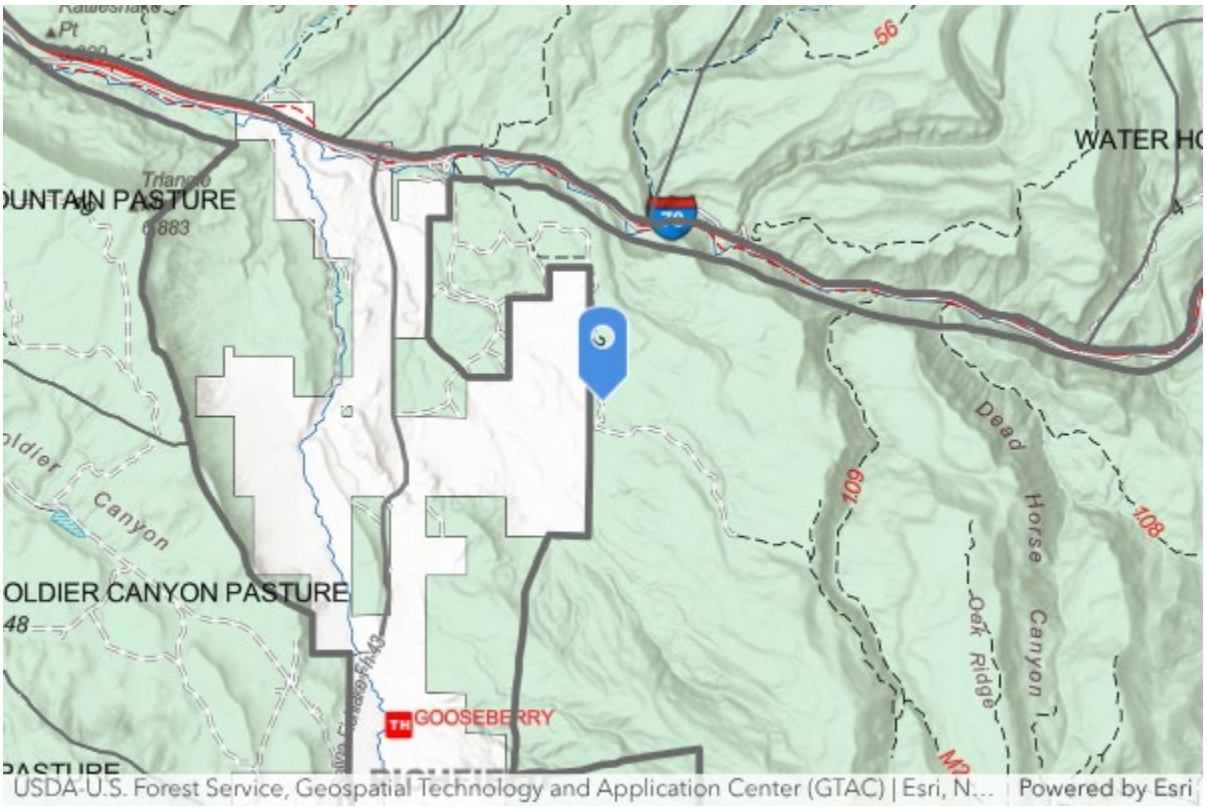
Species 1 Percent Utilization: 49.7

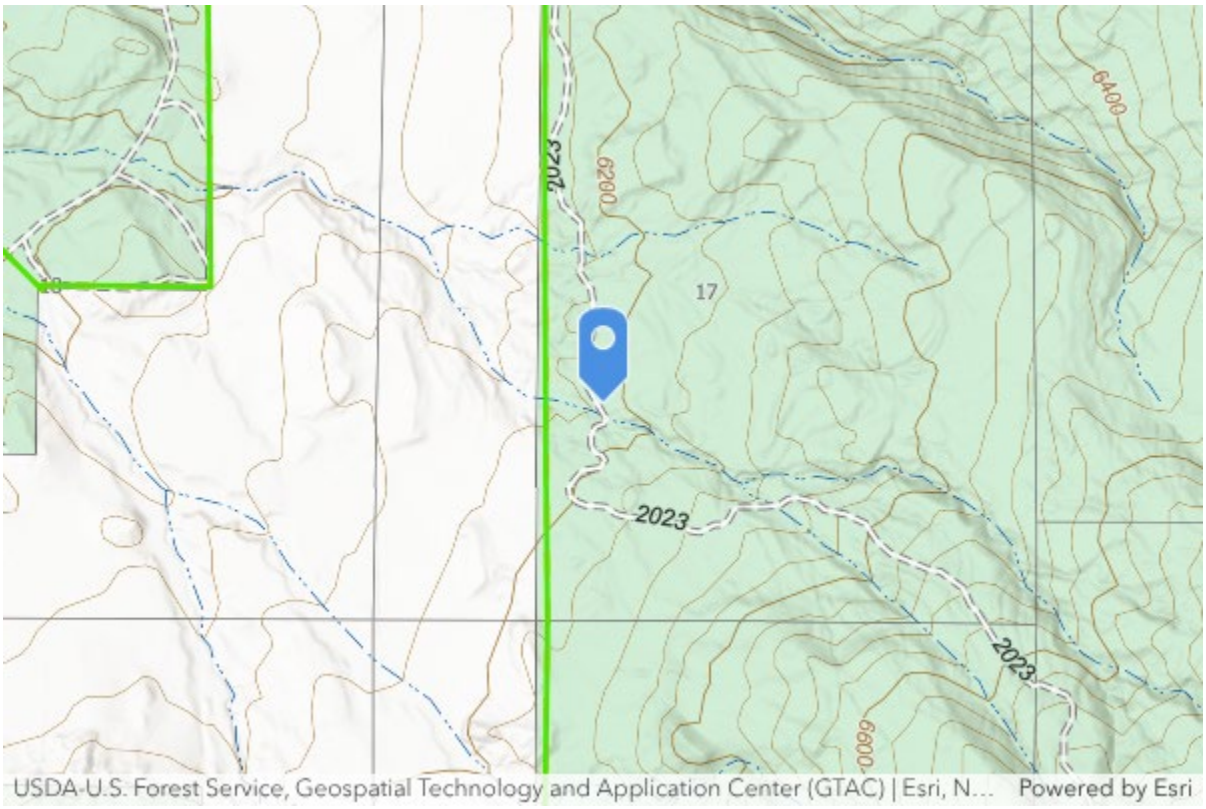
Max Allowable Use: 60

Within Guidelines?Yes

General view looking east

Closeup of vegetation





12S 438115E 4305127N38.892843572228706, -111.71358497892898

Is the Standard Met? Yes

Is follow-up needed for compliance? No

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: November 4, 2025

Employees Present:

Oyler

Drought Indicator: No

SUMMER RANGE PASTURE - 004

Site or Key Area Name: Trend plot 33-06

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 4, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 30, 2025 to October 15, 2025

Estimated Use Days: 108

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 1,259 AUM: 4,470.3

Total AUM: 4,470

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perrenial Grass Species**

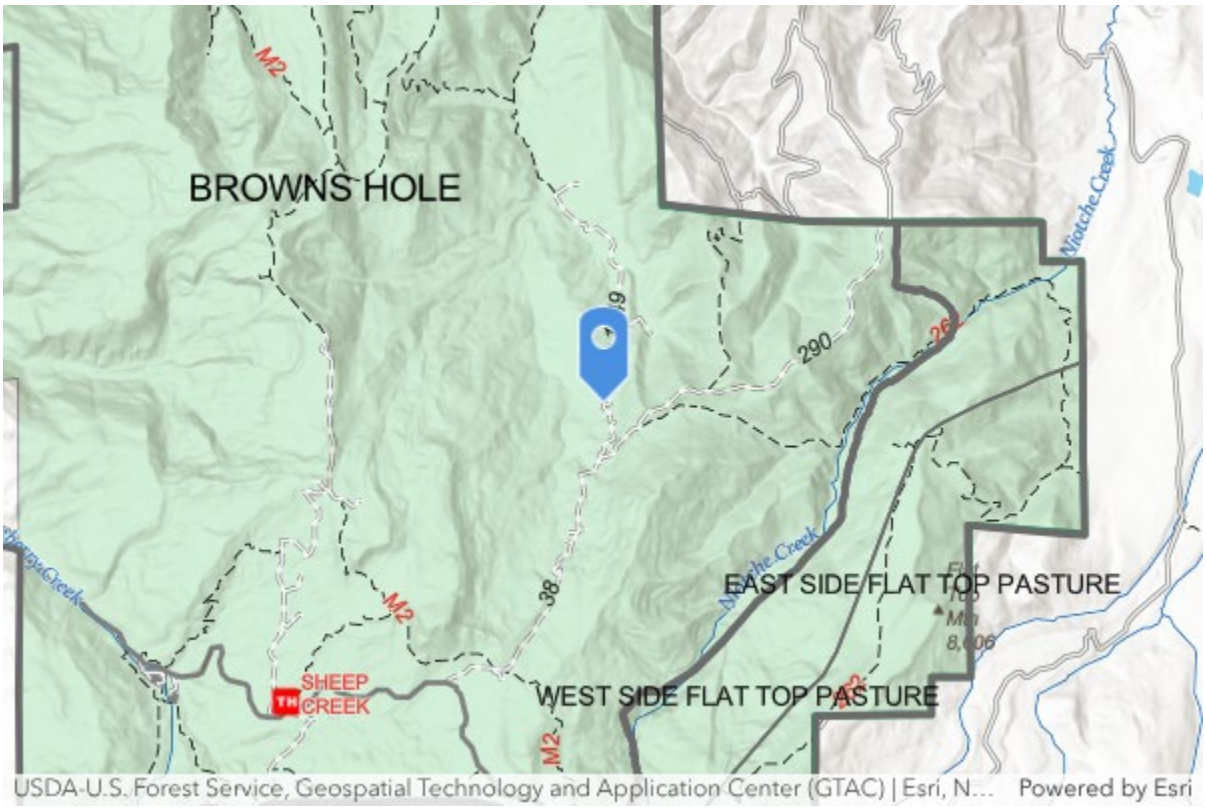
Species 1 Percent Utilization: 52.1

Max Allowable Use: 60

Within Guidelines?Yes

Closeup of vegetation

General view looking southwest



12S 445112E 4297869N38.82790682296418, -111.63233406300674

Is the Standard Met? Yes

Is follow-up needed for compliance? No

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: November 4, 2025

Employees Present:

Oyler

Drought Indicator: No

SUMMER RANGE PASTURE - 004

Site or Key Area Name: Trend plot 33-07 Oak Ridge area

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 4, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 30, 2025 to October 15, 2025

Estimated Use Days: 108

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 1,259 AUM: 4,470.3

Total AUM: 4,470

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perrenial Grass Species**

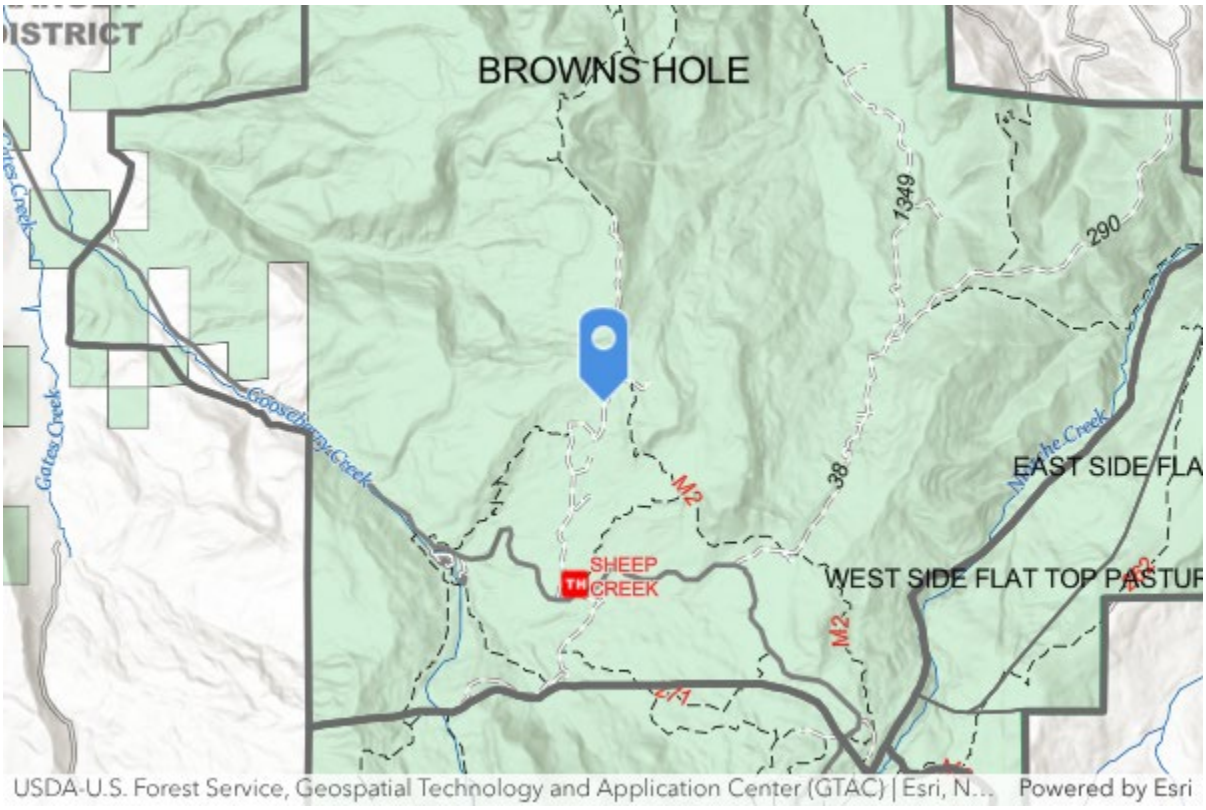
Species 1 Percent Utilization: 52.9

Max Allowable Use: 60

Within Guidelines?Yes

Closeup of vegetation

General view looking north



12S 442123E 4296683N38.81702868164044, -111.6666697868212

Is the Standard Met? Yes

Is follow-up needed for compliance? No

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: November 4, 2025

Employees Present:

Oyler

Drought Indicator: No

SUMMER RANGE PASTURE - 004

Site or Key Area Name: Trend plot 33-16C

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 4, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 29, 2025 to October 15, 2025

Estimated Use Days: 109

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 1,259 AUM: 4,511.7

Total AUM: 4,512

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perrenial Grass Species**

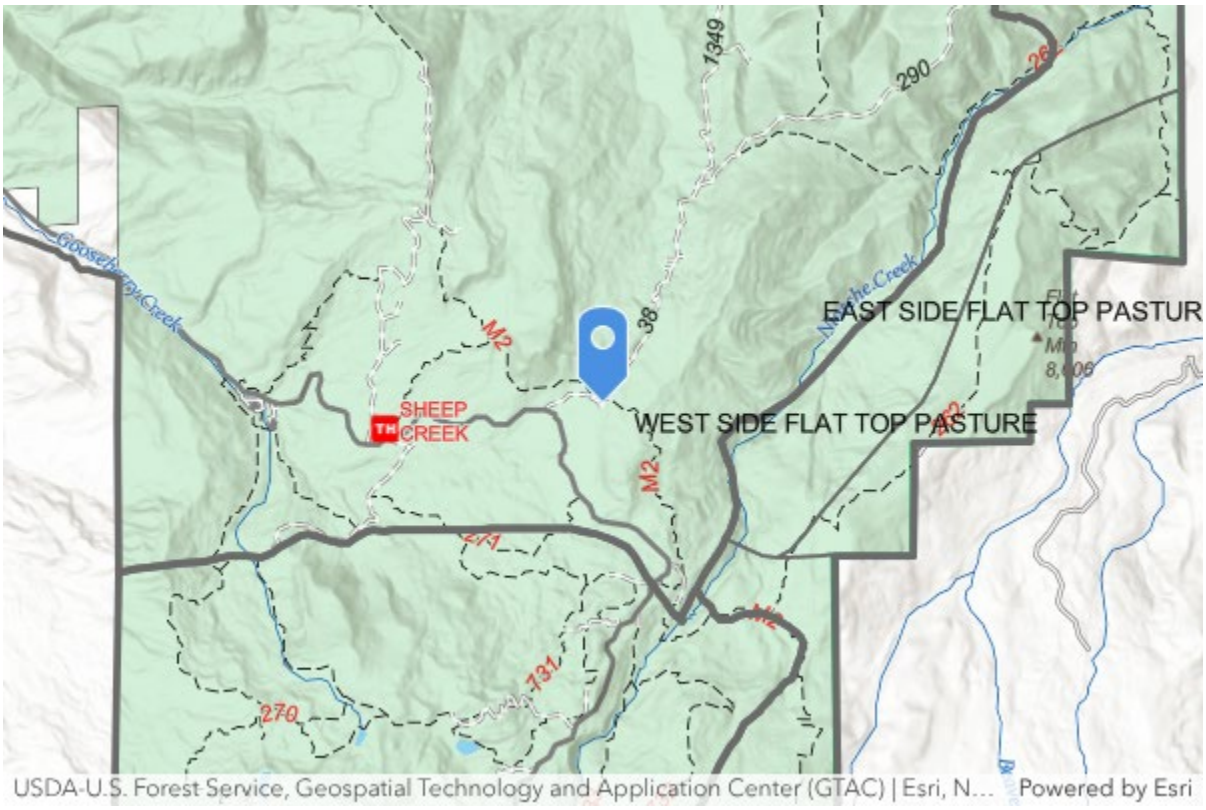
Species 1 Percent Utilization: 45.2

Max Allowable Use: 60

Within Guidelines?Yes

Closeup of vegetation

General view looking west



12S 444074E 4295076N38.802672461836, -111.64406126127865

Is the Standard Met? Yes

Is follow-up needed for compliance? No

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: November 4, 2025

Employees Present:

Oyler

Drought Indicator: No

SUMMER RANGE PASTURE - 004

Site or Key Area Name: Trend plot 33-09B

Predominant Landform: RIPARIAN

Measurement Units: inches

Monitoring Date: November 4, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 30, 2025 to October 15, 2025

Estimated Use Days: 108

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 1,259 AUM: 4,470.3

Total AUM: 4,470

Type of Monitoring: Residual Measurements

Monitoring Method: **Stubble Height**

Plant Species: **All Species Counted Together**

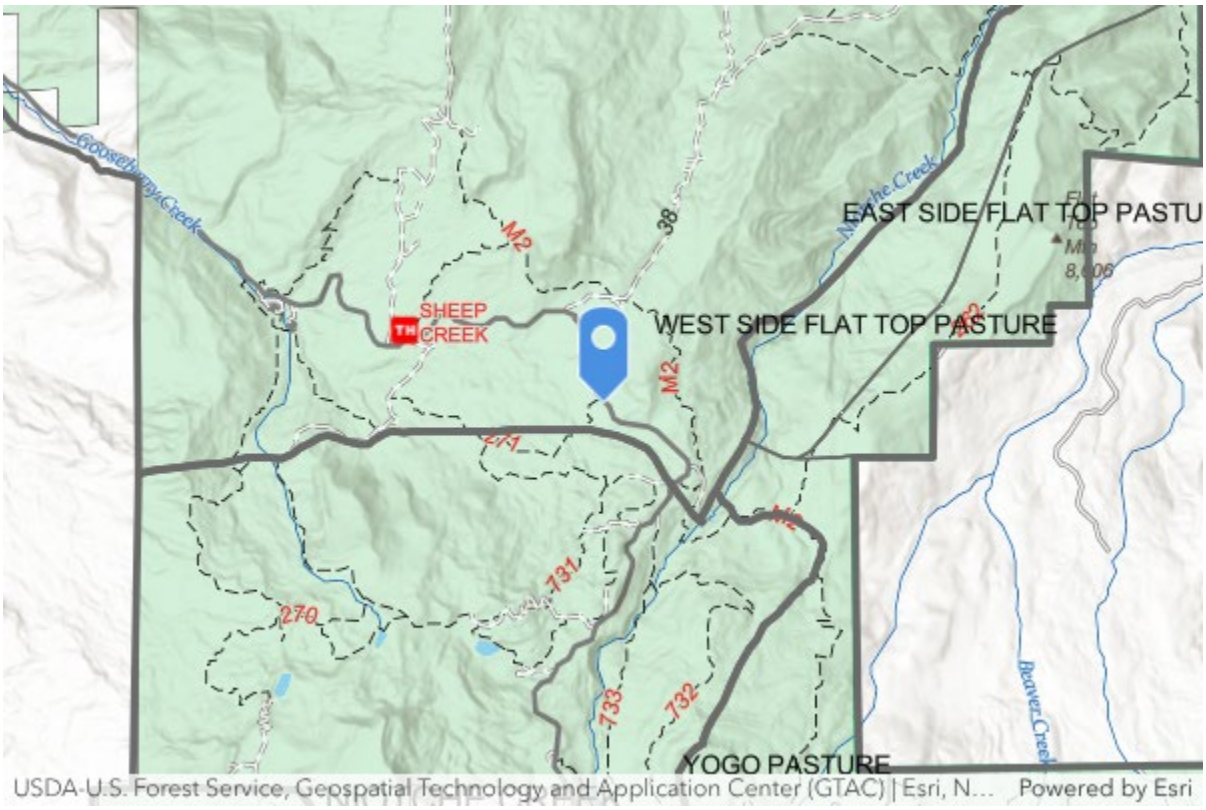
Average Stubble Height (All Species): 5.9

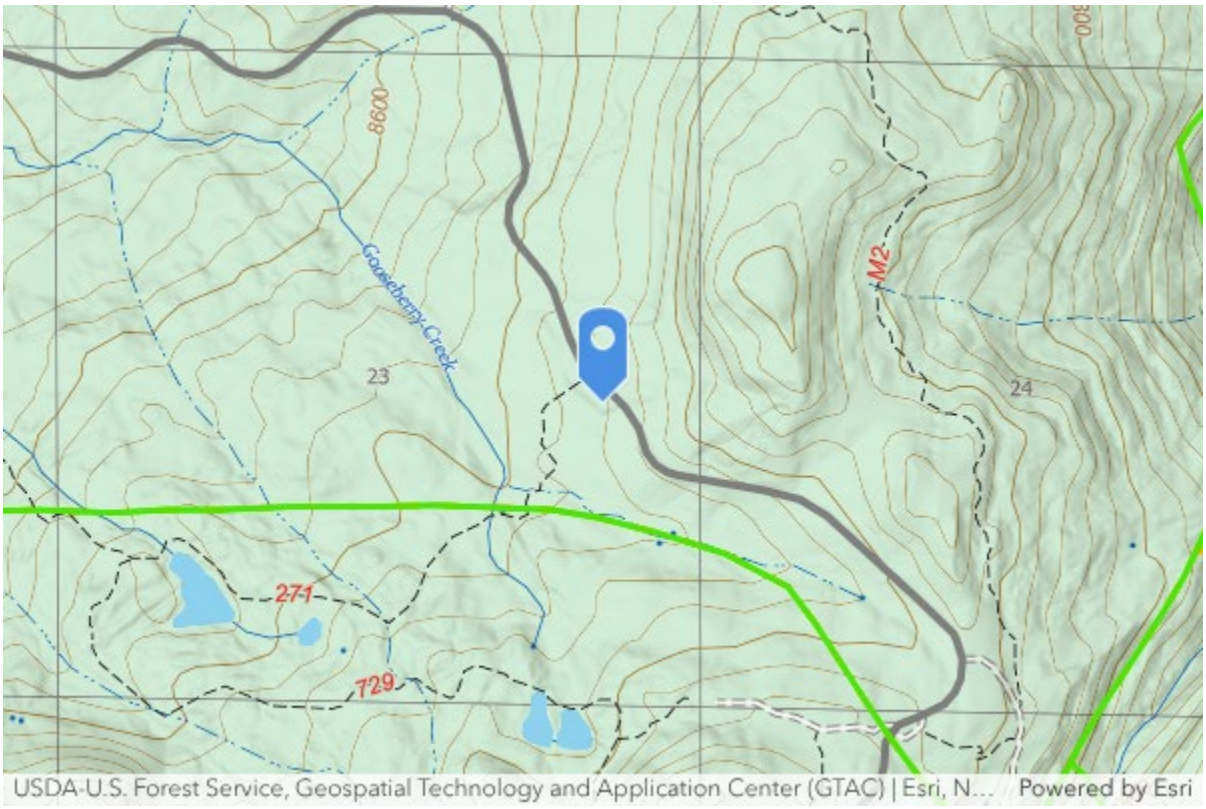
Minimum Stubble Height Guideline: 6

Within Guidelines?Yes

General view looking down stream

Closeup of vegetation





12S 443863E 4294064N38.793540636469565, -111.64640825792144

Is the Standard Met? Yes

Is follow-up needed for compliance? No

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: November 4, 2025

Employees Present:

Oyler

Drought Indicator: No

TRIANGLE MOUNTAIN PASTURE - 003

Site or Key Area Name:

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 4, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 1, 2025 to June 29, 2025

Estimated Use Days: 29

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 142 AUM: 135.4

Total AUM: 135

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perrenial Grass Species**

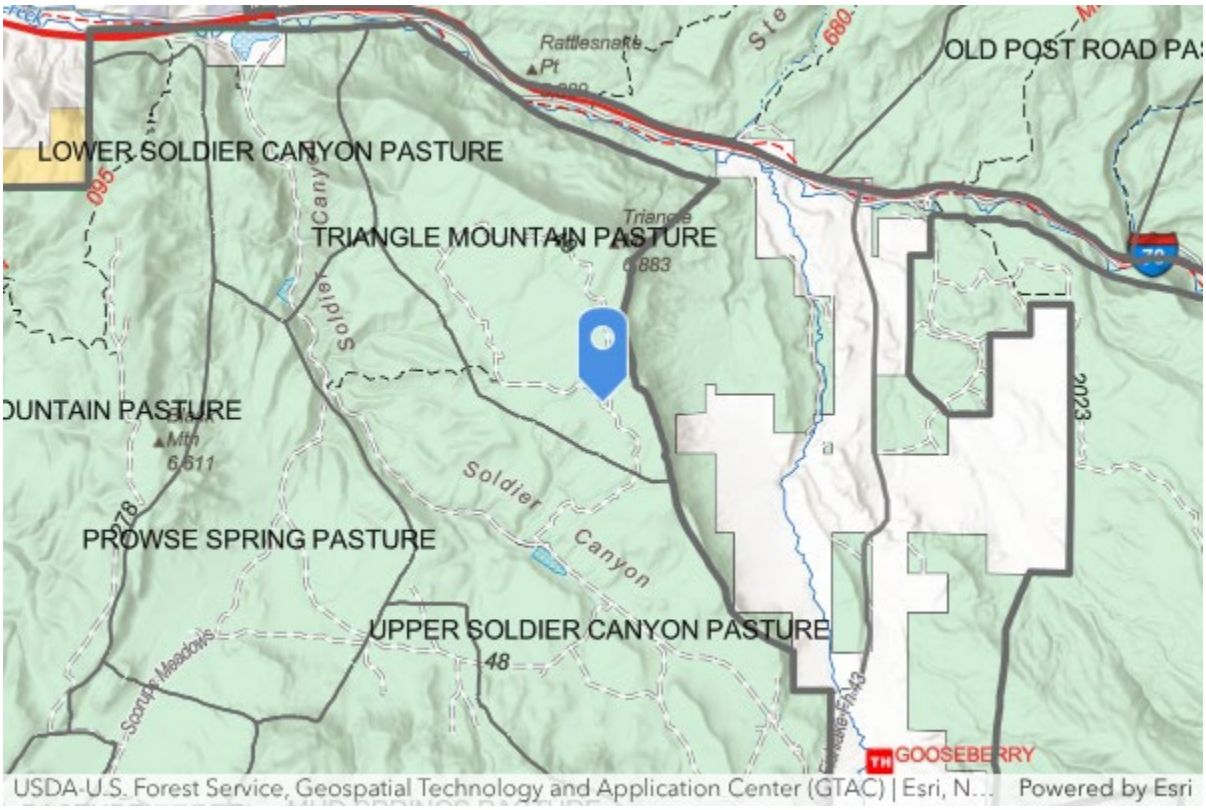
Species 1 Percent Utilization: 10.3

Max Allowable Use: 60

Within Guidelines?Yes

General view looking north

Closeup of vegetation use



12S 433162E 4305548N38.89627249844474, -111.77074255053394

Is the Standard Met? Yes

Is follow-up needed for compliance? No

Range Monitoring Report

Fishlake | Richfield

BROWNS HOLE - 04001

Monitoring Date: November 4, 2025

Employees Present:

Oyler

Drought Indicator: No

UPPER SOLDIER CANYON PASTURE - 006

Site or Key Area Name: Trend plot 22-10B

Predominant Landform: UPLANDS

Measurement Units: inches

Monitoring Date: November 4, 2025

Monitoring Time: POST-GRAZING SEASON

Reason for Monitoring: AMP

Estimated use dates: June 1, 2025 to June 29, 2025

Estimated Use Days: 29

Kind and/or Class of Animals: Cow Calf

Cow Calf Pairs: 141 AUM: 134.4

Total AUM: 134

Type of Monitoring: Herbaceous Removal

Monitoring Method: **Key Species**

Plant Species: **All Perrenial Grass Species**

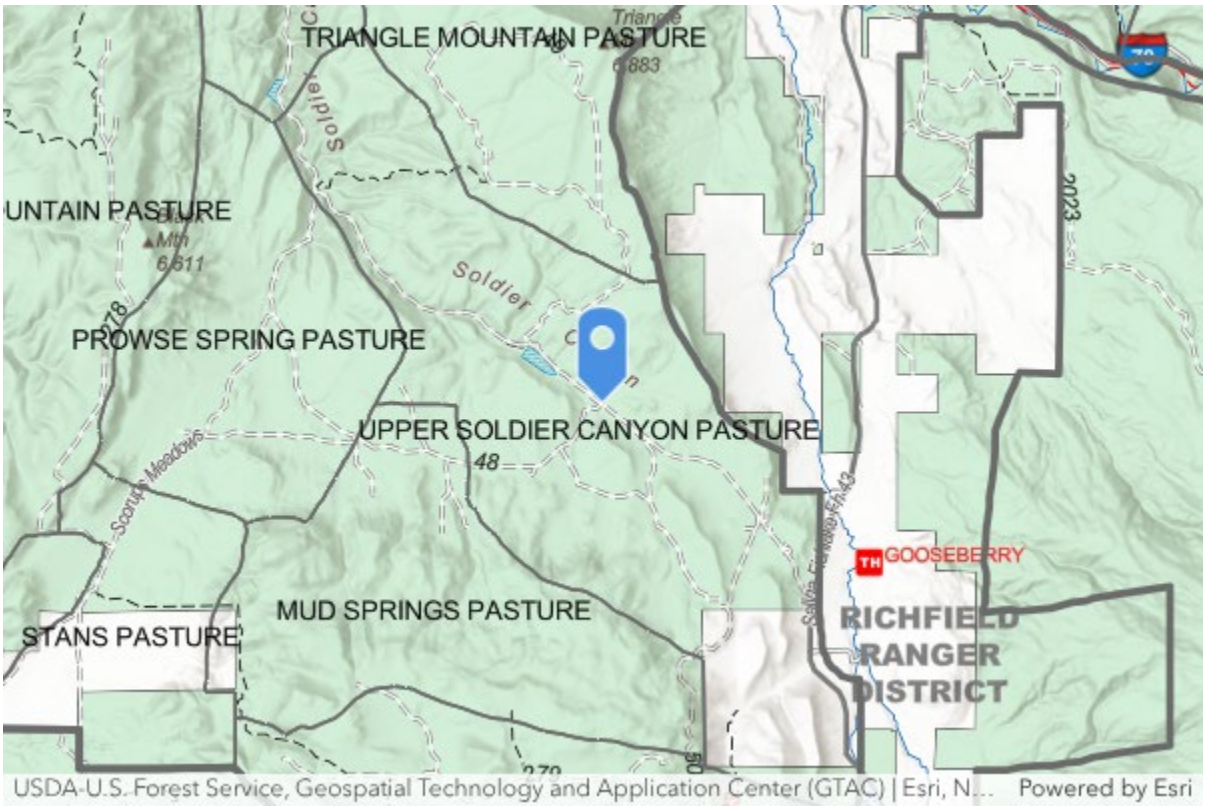
Species 1 Percent Utilization: 46.4

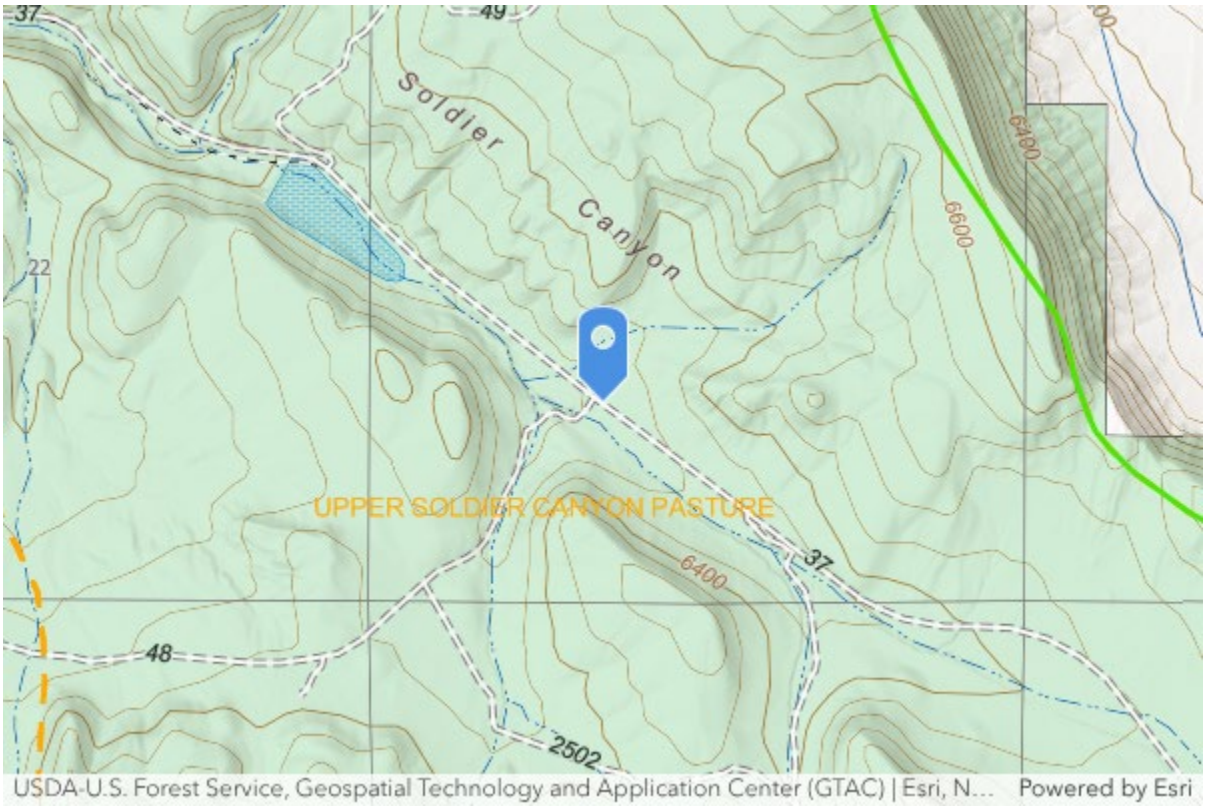
Max Allowable Use: 60

Within Guidelines?Yes

General view looking east

Closeup of vegetation





12S 433252E 4303500N38.87782965212674, -111.76949754455713

Is the Standard Met? Yes

Is follow-up needed for compliance? No