

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONPermit No: 95-18061Exam Date: 3/2/2022

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y N
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: Jeanne M. Considine and/or Russell S. Spriggs
- Owner of Record Correct? X Y N
- Address of Record Correct? Y N
- If No: Address

The Department's parcel data shows Jeanne M. Considine and/or Russell S. Spriggs as the owners of the property. Bonner County parcel records also shows Jeanne M. Considine and/or Russell S. Spriggs as the owners of the property. Therefore, I don't see any issues with the ownership of this property.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C112022

4. **SOURCE** TRIBUTARY

Ground Water

Method of Determination: GIS, Well Driller's Report, and Tax Parcel DataChange in Source: Y X N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: There are no other water rights or adjudication claims or recommendations in this 40 acre tract.

2. Other water rights with the same point of diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: There are no other water rights or adjudication claims or recommendations in this 40 acre tract.

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Well			NW	NE	19	54N	4W	B.M.	Bonner
								B.M.	
								B.M.	

Method of Determination: GIS, Well Driller's Report, and Tax Parcel Data.

Change in POD? X N Amendment Required? X N

2. PLACE OF USE: Use: Domestic

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
54N	4W	19		D & S															
		Lot #																	
Total Acres =																			

Method of Determination: GIS and Tax Parcel DataChange in POU? X N Amendment Required? X N Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

 X Aerial Photo Attached (required for irrigation of 10+ acres). Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Well Pump	Unknown				

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: No measurement is required for an in-house exam.**E. FLOW CALCULATIONS** Additional Computation Sheets Attached

Measured Method:

There was no information submitted with the application for permit. Therefore, I am required to fall back on the standard for domestic use set forth by Administrative Processing Memo #22 for the domestic use. The permit holder stated that they have 4 goats, 6 to 12 chickens, 2 dogs, and 2 cats for the stockwater purposes. Dogs and cats would be included in the domestic use, since they are not considered livestock for production purposes. I used the Recommended Diversion Rate Table for Stockwater from the field Examiner's Handbook to determine an acceptable diversion rate for the stockwater.

Administrative Memo #22 = 0.06 cfs for domestic use**Per Diversion Table = (Up to 100 chickens X 0.0000018) + (4 goats X 0.000037) = 0.000328 cfs rounded to 0.01 cfs.****Permit allowed = 0.04 cfs for domestic use and 0.02 cfs for stockwater for a total diversion rate of 0.06 cfs.****I am recommending 0.04 cfs for the domestic use and 0.01 cfs for stockwater use for a total diversion rate of 0.05 cfs.**

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses:

Administrative Processing Memorandum #22 provides guidance to allow 1.2 af for in-house use and yard irrigation. I used the Non-Irrigation Water Requirements standards found in the Field Examiner's Handbook for the stockwater volumes. The stockwater is calculated as follows:

$$\begin{aligned} & (100 \text{ chickens} = 5 \text{ gallons per day} \times 365 \text{ days}) / 325850 = 0.0056 \text{ acre-feet} \\ & + (4 \text{ goats} \times 2 \text{ gallons per day} \times 365 \text{ days}) / 325850 = 0.00896 \text{ acre-feet} \\ & \text{Total volume} = 0.0145 \text{ acre feet rounded to } 0.1 \text{ acre-feet.} \end{aligned}$$

I am recommending 1.2 acre-feet for domestic use and 0.1 acre-feet for stockwater use for a total volume of 1.3 acre-feet.

G. PURPOSE OF USE

Irrigation ☐ Y ☐ N # Stock 4 goats & 6 - 12 chickens Domestic # of Homes 1

Other: < >

Change in Purpose of Use? ☐ Y ☐ N

Method of Determination: Taxlot data and conversations with owner.

If Yes: From Use To Use Amount CFS AFA

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house examination. This permit is for a single home and small stockwater uses. The permit holder stated that there are 4 goats, 6-12 chickens, 2 dogs and 2 cats. Dogs and cats are not considered livestock, so they would be covered under the domestic portion of the permit. The calculations for chickens needed to be adjusted to 100 chickens, since the water use for these animals is very minimal. Due to rounding requirements, the recommended diversion rate and volume are much greater than the water needs by the animals reported on the in the Statement of Completion for Submitting Proof of Beneficial Use.

Conditions X01 is the only condition that should be carried forward to licensing. Condition 041 should be changed to condition 187. Condition 041 is for those areas where irrigation is not authorized except with a domestic use. Condition 187 is more appropriate for this area. Condition 004 is also not needed, since the point of diversion and water system doesn't go outside the borders of the permit holder's property.

Have conditions of permit approval been met? ☒ Yes ☐ No

I. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Domestic	01/01 to 12/31	0.04 CFS	1.2 AFA
Stockwater	01/01 to 12/31	0.01 CFS	0.1 AFA
<u>Totals:</u>		0.05 CFS	1.3 AFA

2. Recommended Amendments

___ Change P.D. as reflected above ___ Add P.D. as reflected above X None

___ Change P.U. as reflected above ___ Add P.U. as reflected above X None

Other: < >

J. AUTHENTICATION – DANIEL A. NELSON – WATER RIGHT ANALYST 3

Field Examiner's Name



Date

3-2-2022

Reviewer

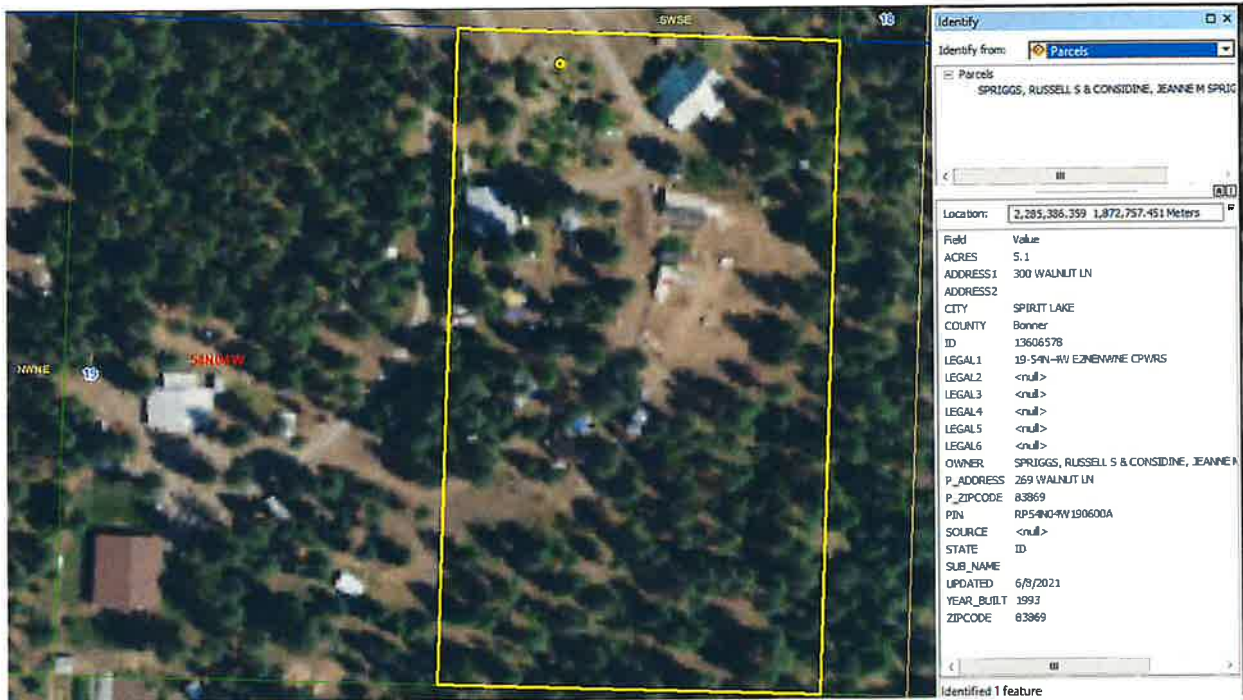


Date

3/3/22

Field Exam Map:

The yellow border shows the place of use and the yellow point shows the point of diversion. The green borders show the tax parcels for this property.



Bonner County Tax Maps



TABLE 1, RECOMMENDED DIVERSION RATES FOR STOCKWATER

In cubic feet per second (cfs)

<u>No. of head</u>	<u>Dairy cows</u>	<u>Other cattle, horses & mules</u>	<u>Hogs</u>	<u>Sheep & goats</u>
0 - 25	0.02	0.02	0.02	0.02
26 - 50	0.04	0.02	0.02	0.02
51 - 100	0.07	0.03	0.02	0.02
101 - 200	0.13	0.05	0.02	0.02
201 - 300	0.20	0.07	0.02	0.02
301 - 400	0.26	0.09	0.03	0.02
401 - 500	0.33	0.12	0.04	0.02
501 - 600	0.39	0.14	0.05	0.03
601 - 700	0.46	0.16	0.05	0.03
701 - 800	0.52	0.19	0.06	0.03
801 - 900	0.58	0.20	0.07	0.04
901 - 1000	0.65	0.23	0.08	0.04

For chickens, round to the next highest 100 and multiply this number by 0.0000018.
For turkeys, round to the next highest 100 and multiply this number by 0.0000033.

If you have more than 1000 head of stock (other than poultry), round the number of head to the next highest 100, and multiply this number by one of the following factors:

For dairy cows, multiply by 0.00065
For other cattle, horses, or mules, multiply by 0.00022
For hogs, multiply by 0.000074
For sheep or goats, multiply by 0.000037

Round the amount you calculate to the nearest 0.01 cfs and enter this amount in the appropriate space on your claim. You may claim 0.01 cfs even if your calculated amount is less than 0.01 cfs.

VOLUME FACTORS

<u>STOCK</u>	<u>GPD/HEAD</u>
dairy cattle	35
range cattle	12
horses	12
mules	12
hogs	4
goats & sheep	2

Sources of information for this page include SRBA Claim Instructions, revised 6/89, and Field Examiners Handbook, 1986, currently under revision.

SL 6/18/92

Table 3

NON-IRRIGATION WATER REQUIREMENTS

Types of Establishments	<u>Gallons/day</u>
Airports (per passenger)	3-5
Apartments, multiple family (per resident)	60
Bathhouses (per bather)	10
Camps:	
Construction, semi-permanent (per worker)	50
Day with no meals served (per camper)	15
Luxury (per camper)	100-150
Resorts, day & night, limited plumbing (per camper)	50
Tourist, central bath & toilet facilities (per person)	35
Cottages with seasonal occupancy (per resident)	50
Courts, tourist with individual bath units (per person)	50
Clubs:	
Country (per resident member)	100
Country (per non-resident member)	25
Dwellings:	
Boardinghouses (per boarder)	50
Kitchen requirements (per boarder)	10
Multiple family apartments (per resident)	40
Roominghouses (per resident)	60
Single family (per resident)	50-75
Estates (per resident)	100-150
Hotels:	
With private baths (2 persons/room)	60
Without private baths (per person)	50
Hospitals (per bed)	250-400
Institutions other than hospitals (per person)	75-125
Laundries (per washing/customer)	50

Livestock (per animal):	
Cattle (range)	12
Cattle (dairy)	35
Goat	2
Hog	4
Horse	12
Mule	12
Sheep	2
Chickens (per 100)	5-10
Turkeys (per 100)	10-18
Motels:	
With bath, toilet & kitchen facilities (per bed)	50
With bed & toilet (per bed)	40
Parks:	
Overnight with flush toilets (per camper)	25
Trailers with individual bath units (per camper)	50
Picnic:	
With bathhouses, showers & flush toilets (per picnicker)	20
With toilet facilities only (per picnicker)	10
Restaurants:	
With toilet facilities (per patron)	7-10
Without toilet facilities (per patron)	3
With bars & cocktail lounge (additional per patron)	2
Schools:	
Boarding (per pupil)	75-100
Day with cafeteria, gyms & showers (per pupil)	25
Day with cafeteria, no gyms or showers (per pupil)	20
Day without cafeteria, gym or showers (per pupil)	15
Service stations (per vehicle)	10
Stores (per toilet room)	400
Swimming pools (per swimmer)	10
Theaters:	
Drive-in (per car space)	5
Movie (per auditorium seat)	5
Workers:	
Construction (per person/shift)	50
Day (per person/shift)	15