

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
JAN 18 2007
DEPARTMENT OF WATER RESOURCES

A. GENERAL INFORMATION

Permit No. 95-09082

1. Owner: Green Ferry Water & Sewer Dist. Phone No. (208) 773-5510

Current Address: P.O. Box 1105 Post Falls Id. 83854

2. Accompanied by: Lynn Martin EXAM DATE: 9-16-05

Address: Same as above Phone No. (208) 773-5510

Relationship to Permit Holder: Employee

3. Source: Groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-7557 95-7087

2. Other water rights with the same point of diversion: 95-8613

C. DIVERSION AND DELIVERY SYSTEM

1 Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			SW	NW	12	50N	05W	Kootenai	USGS 7.5 min Quad
			SE	NW	12	50N	05W	Kootenai	" "

2. Place(s) of Use:

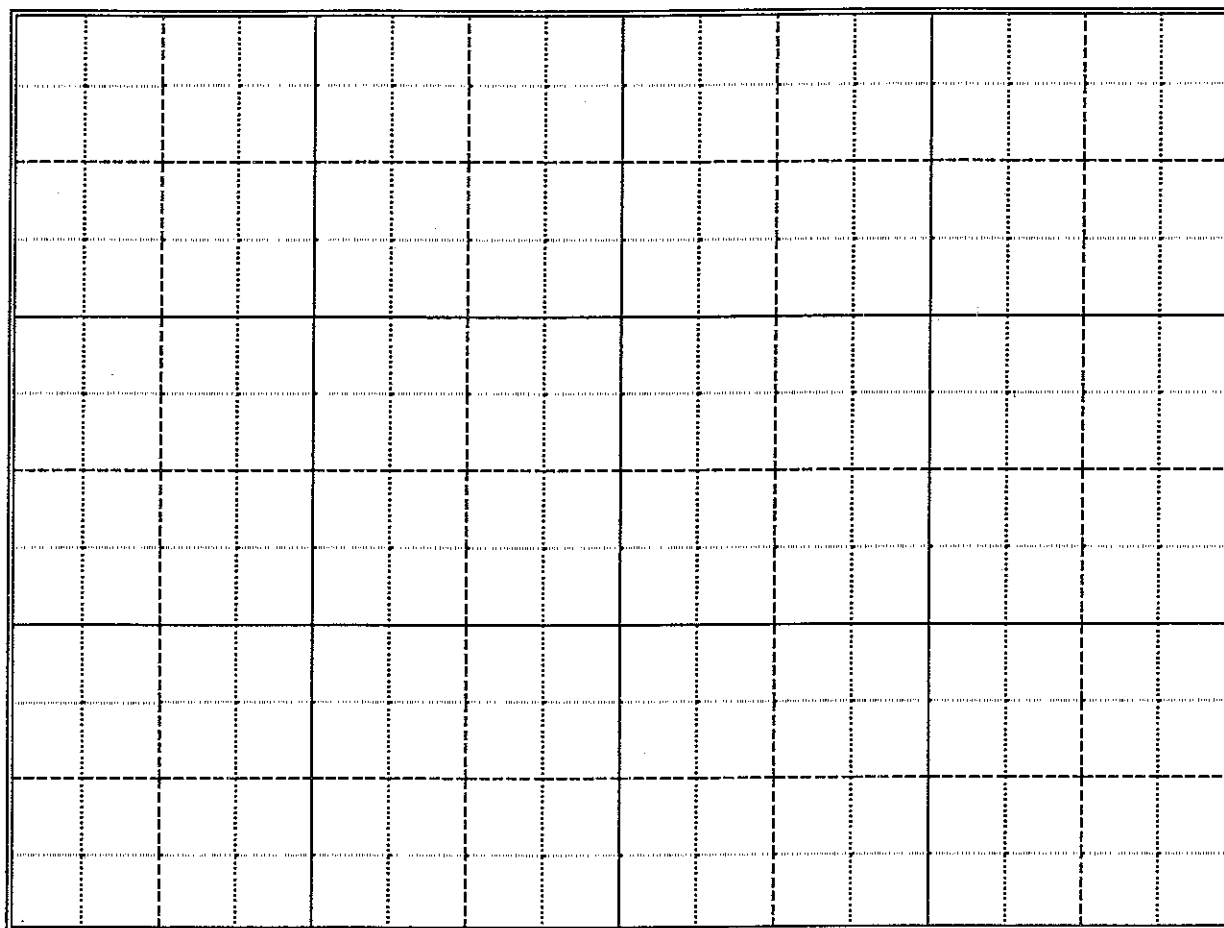
Indicate Method of Determination _____

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

within SERVICE AREA GREEN FERRY Water & Sewer Dist.

Generally Located 50N - 05W - Secs. 10-14

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = _____

_____ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required)

_____ 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
	US motor	60		Goold's	6"

*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

2. Measurements: _____

MEMORANDUM

Date: January 09, 2007
To: Water Right File 95-9082
From: gtaylor
Re: Field Report Narrative

1. Recommend using the 2003 field exam performed by Bob Haynes. This is the reason this application was filed. Because Bob found 550-560 gpm but 95-8613 permit limited it to 1.0 cfs.
2. Recommend 1.0 cfs but limit this right in combination with 95-8613 to 1.25 cfs. This allows right holder full benefits of a municipal right without volume limits that are on 95-8613.
3. Removed condition 102 because historically the surface water rights appurtenant to this property were for domestic and not irrigation.
4. According to spatial data, this is not within the RPGWMA

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

OCT 21 1996

Department of Water Resources

A. GENERAL INFORMATION

Permit No.

95-08613

1. Owner: GREEN FERRY WATER AND SEWER DIST. Phone No. 773-5510

Current Address: P.O. BOX 1105 Post Falls, Id. 83854 4/25/03

2. Accompanied by: John Parks / Kent Lunden EXAM DATE: 9-17-96

Address: Same as above Phone No. 773-5510

Relationship to Permit Holder: System Operator / Permit Holder

3. Source: GROUNDWATER tributary to

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-07557, 95-07087 Spokane River

2. Other water rights with the same point of diversion: 95-08619 Lapsed

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
	5		SW	NW	12	50N	05W	Kootenai	U.S.G.S 7.5' QUAD, Site Visit
	6		SE	NN	12	50N	5W	Kootenai	Plat Map GPS Readings

2. Place(s) of Use:

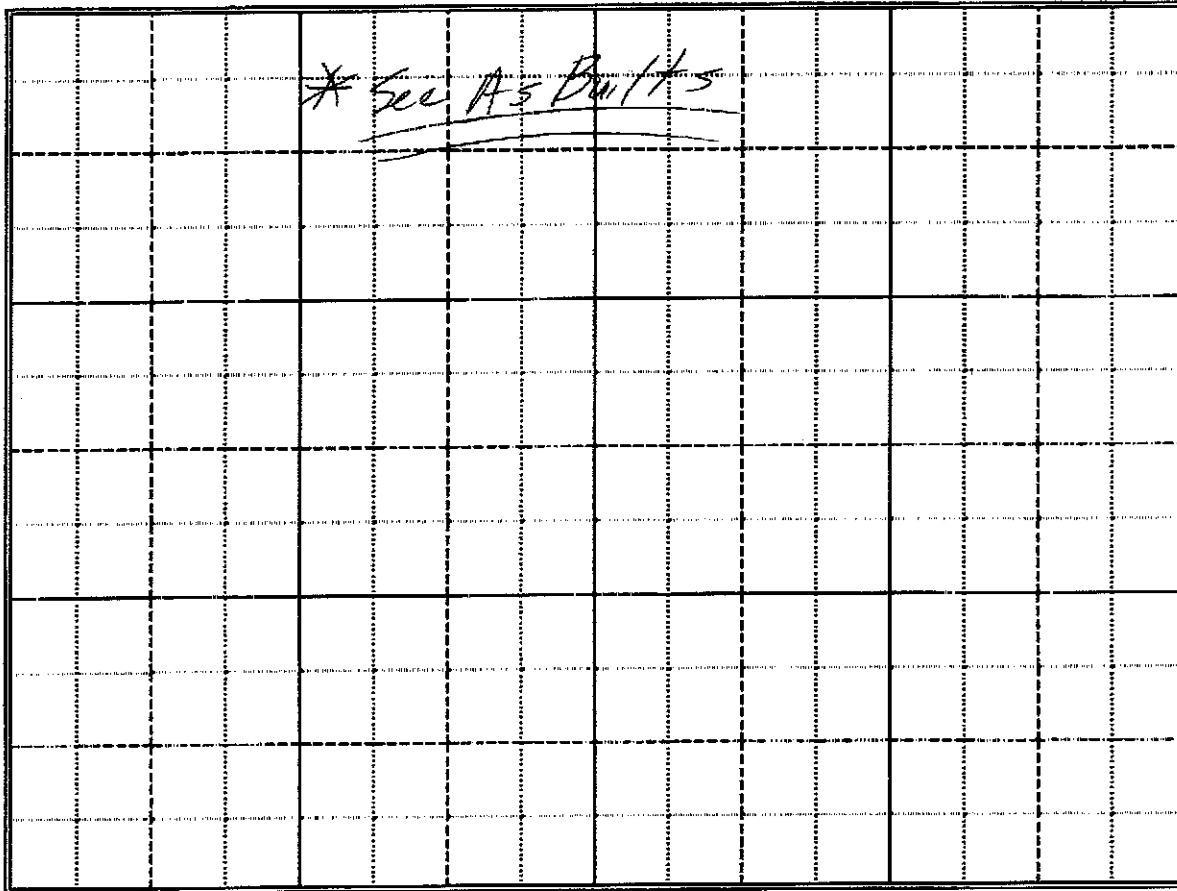
Indicate Method of Determination "As Built"

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	05W	10																	
50N	05W	11																	
50N	05W	12																	
50N	05W	13																	
50N	05W	14																	

MICROFILMED

MAR 29 2006

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe I.d. as applicable.



Scale: 1" = _____

☒ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

☒ 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 #1	SimFlo	75	#82049493		8"
	U.S. Electrical				
Well #2		75	Submersible JTX		

*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
Water Specialties	Inline Flowmeter			#930948-6	8"	

2. Measurements: Reading on Flowmeter was 550 gpm to 560 gpm. This corresponds w/ Theoretical. NO place to use Polysonic Meter.

MICROFILMED

W12 3 0 2003

E. NARRATIVE/REMARKS/COMMENTS

System consist of (1) one Well with a 75 HP Pump. Water is pumped to 2 Storage Reservoirs; #1-100,000 gallons #2=150,000 gallons. From the Reservoirs water is distributed through 8" Main Line. From the 8" main line water is served through various size pipe to 277 Homes.

Approximately 15 Fire Hydrant are also connected to the system.

The irrigation part of this Permit is for Lawn and Garden, therefore A recommend Domestic be approved for only 16 AFA/home.

PWN 1280077

Second Well added as backup in 2003
System is configured so that only one well will run at any given time ~~per~~

Have conditions of permit approval been met? ☒ yes ___ no

MICROFILMED
MAY 29 2006

F. FLOW CALCULATIONS

X Additional Computation Sheets Attached

Measured Method:

**See Theoretical Calculation.*

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \frac{(138.5)(3.5)}{1} = 484.75$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \frac{(1.00)(245)(1.9835)}{1} = 485.95$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 484.75$$

2. Volume Calculations for Other Uses:

$$(277 \text{ Homes})(.6) = 166.2 \text{ AFA}$$

$$(277 \text{ Homes})(.5 \text{ acre IRR.}) = 138.5 \text{ ACRES}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
~~Domestic~~	~~1-01~~	~~12-31~~	~~1.0~~	~~166.20~~
~~IRRIGATION~~	~~3-15~~	~~11-15~~	~~1.0~~	~~484.75~~
Municipal	1/1	12/31	1.0	
Totals:			1.00	850.95

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Bob Haynes Date 4/25/03

Reviewer _____ Date _____

MICROFILMED

SEAL

MAR 29 2004

95-9082

T50N R5W Sections 12-14

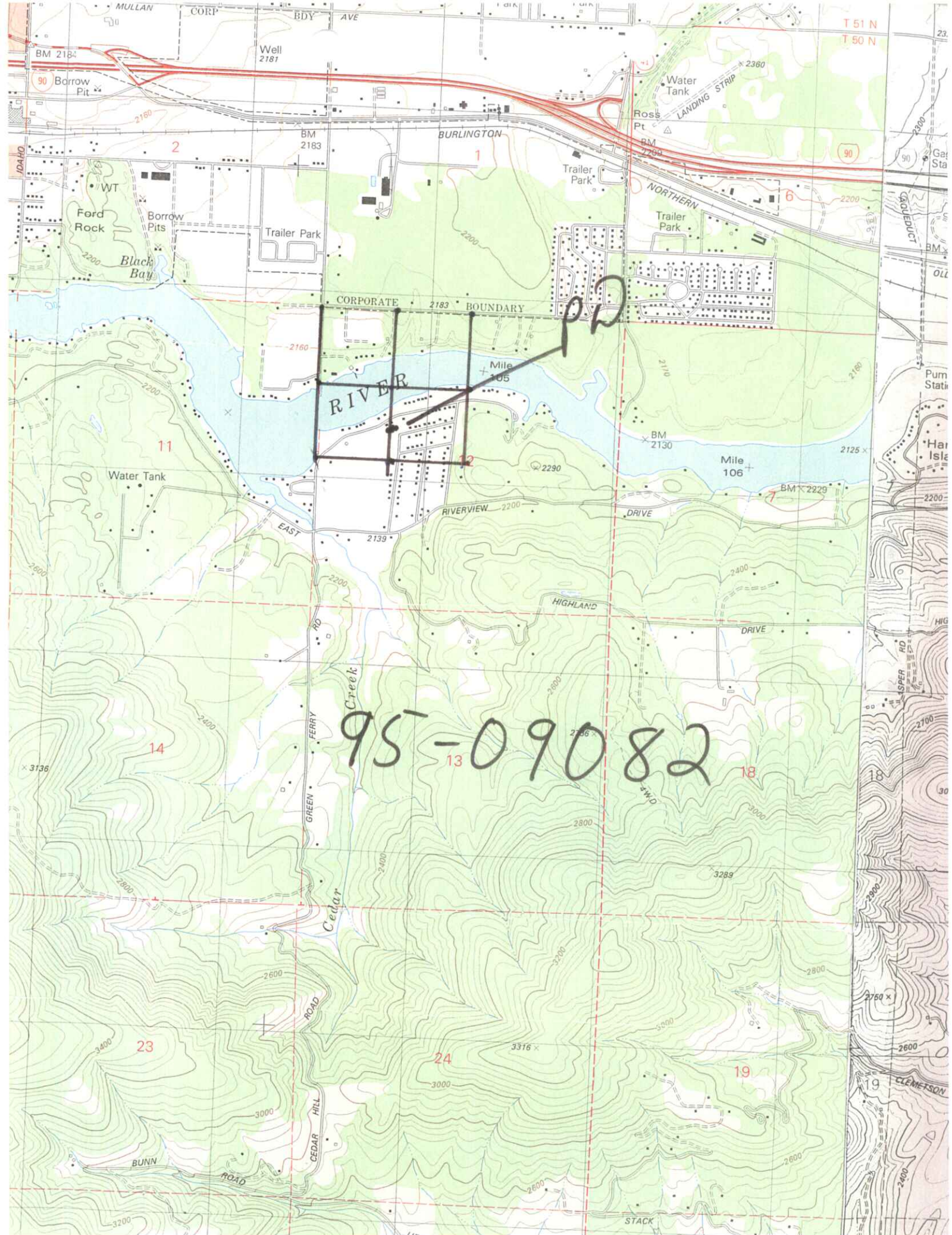


Place of Use



Point of Diversion





PN



Pump House



Pump House



95-9082
GREEN FERRY WATER & SEWER

E. NARRATIVE/REMARKS/COMMENTS

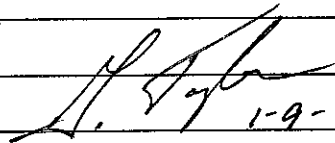
According to Bob Haynes, the reason this application was filed was because when he performed a field exam for 95-8613 in April, 2003 the flow meter read 550-560 gpm but their permit was for only 1.0 cfs.

Recommend using 2003 exam performed by Bob Haynes.

$$560 \text{ gpm} / 448.8 \text{ gpm} = 1.25 \text{ cfs.}$$

Recommend licensing this right for 1.0 cfs and limiting remark that this right when used in combination w/ 95-8613 is limited to 1.25 cfs.

This allows water right the full benefit of a municipal right, ~~this would~~ because 8613 has a diversion volume limit.


1-9-07

Have conditions of permit approval been met? ☒ yes ☐ no

F. FLOW CALCULATIONS

Measured Method:

See Narrative

Additional Computation Sheets Attached

~~Flowmeter 249 gpm~~
 ~~249×1.33681~~
 ~~$\frac{\quad}{60} = 1 \text{ cfs}$~~

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$

$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = \underline{\hspace{2cm}}$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<u>Municipal</u>	<u>01-01</u>	<u>12-31</u>	<u>1.0</u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Totals:			<u>1.0</u>	<u> </u>

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Wayne Baldwin Date 9-28-05

Reviewer Keith E. Franklin Date 1/31/06

L. J. Taylor 1/9/07

SEAL