

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 92-10015

Exam Date: 5/21/2007

1. Current Owner: JOAN LOUISA BURDETT PETTINGILL
294 SOUTH FORK SANTA CREEK
ST MARIES ID 83861
(208)245-1982
2. Accompanied by: (Current Owner)
Phone No:
Address:
Relationship to Permit Holder:

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3. SOURCE TRIBUTARY
SOUTH FORK SANTA CREEK SANTA CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NONE
2. Other water rights with the same point of diversion: NONE

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

SOUTH FORK SANTA CREEK L7 SE1/4SE1/4 Sec. 35, Twp 44N, Rge 03W, B.M.
BENEWAH County

Method of Determination:

U.S. DEPT OF AGRICULTURE, FOREST SERVICE, WEST DENNIS 7.5 MINUTE QUADRANGLE

BENEWAH COUNTY, IDAHO, ASSESSOR RECORDS

2. PLACE OF 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	
44N	03W	35																X	
																		L 7	

3. Method of Determination:

- ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4. Well or Diversion

<u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
6447721	Sears	1	39025100	Sears	NA

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

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D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
BUCKET	PLASTIC	UNKOWN			5 GALLON	N/A
WRIST WATCH	ELECTRIC	REMINGTON				NA

2. Measurements:

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

FIVE GALLON BUCKET FILLED FROM SPIGOT AT MAXIMUM FLOW RATE AVAILABLE

BUCKET FILLED TO 4.5 GALLONS IN 30 SECONDS

TWO BUCKETS FILLED IN ONE MINUTE = 9 GALLONS PER MINUTE (GPM)

9 GPM = .02 CFS (CUBIC FEET PER SECOND) BY REFERENCE TO TABLE

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

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

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

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

Volume Calculations for Other Uses: N/A

1 House = 1.2 AF/yr
1 yard AFA

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G. NARRATIVE/REMARKS/COMMENTS

Field Exam conducted May 21st, 2007. Well Tag D0005358 for Maxine Pettingill is not related to this permit.

Point of Diversion is a pipe in the bed of South Fork Santa Creek located at Waypoint 132 (North 47 Degrees 06.524 Minutes West 116 Degrees 40.337 minutes). The precise location of the pipe in the bed of South Fork Santa Creek could not be determined due to obscuration by large fallen logs and other debris in the stream. No upright pipes, foundations, markers, or other structures that would indicate a different Point of Diversion or use by anyone other than the permit holder were located during a search of the surrounding area. The area is heavily wooded with no homes, fields, or other potential areas of surface water use located nearby.

The pipe leads from South Fork Santa Creek to a small outbuilding where a small, open top, concrete box is located. The precise route of the pipe from the stream to the outbuilding could not be determined. The owner indicated that the pipe was six feet or less underground. Surface area of water in the box measures two square feet with a depth of approximately 18 inches at the time of the exam.

A one horsepower Sears and Roebuck pump (Serial Number 39025100) is used to put water into a pressure tank and water line that supplies outdoor spigots, a washing machine and a home. Spigots were opened and yielded nine gallons per minute (0.02 CFS). Measurements were taken by filling a five-gallon bucket timed by simultaneous use of two wristwatches.

The owner indicated that she irrigated ground near the spigots. Recently worked bare ground was visible indicating the presence of an irrigated garden near one of the spigots. The location of spigots, ground cleared of trees, and the worked -up area for garden indicate that less than one-half acre is irrigated. Irrigation was not underway during the date of the exam.

No livestock, fences, or other evidence of stock water use were seen during the exam.

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

H. 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	0.020 CFS	
<u>Totals:</u>		0.020 CFS	

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

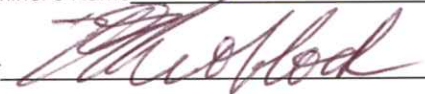
Field Examiner's Name



Date

5/31/07

Reviewer



Date

6/7/7

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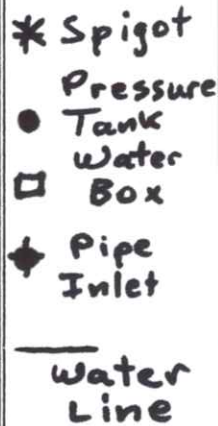


Photo of Diversion and System Attached

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

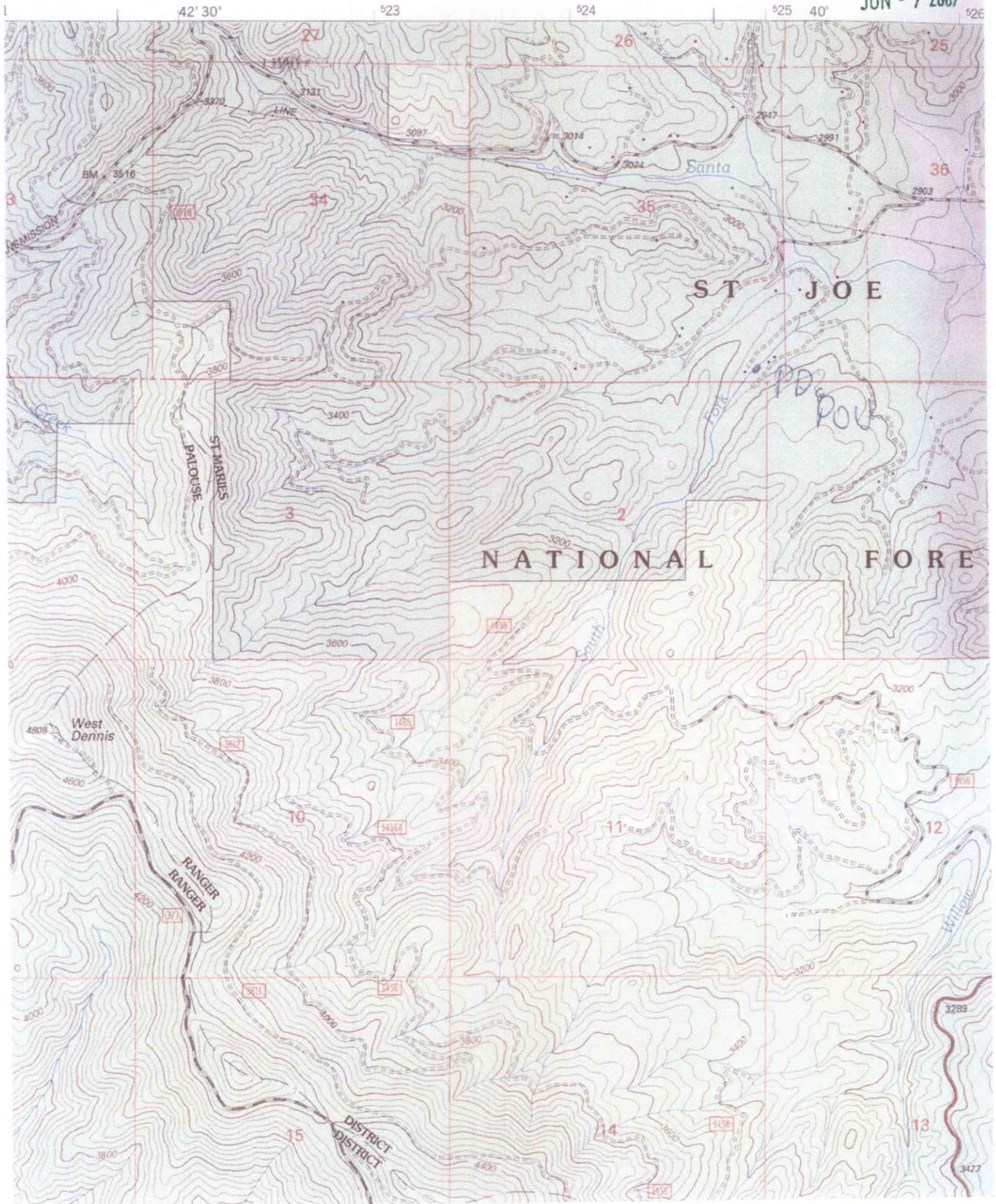
1.

2. Measurements: _____

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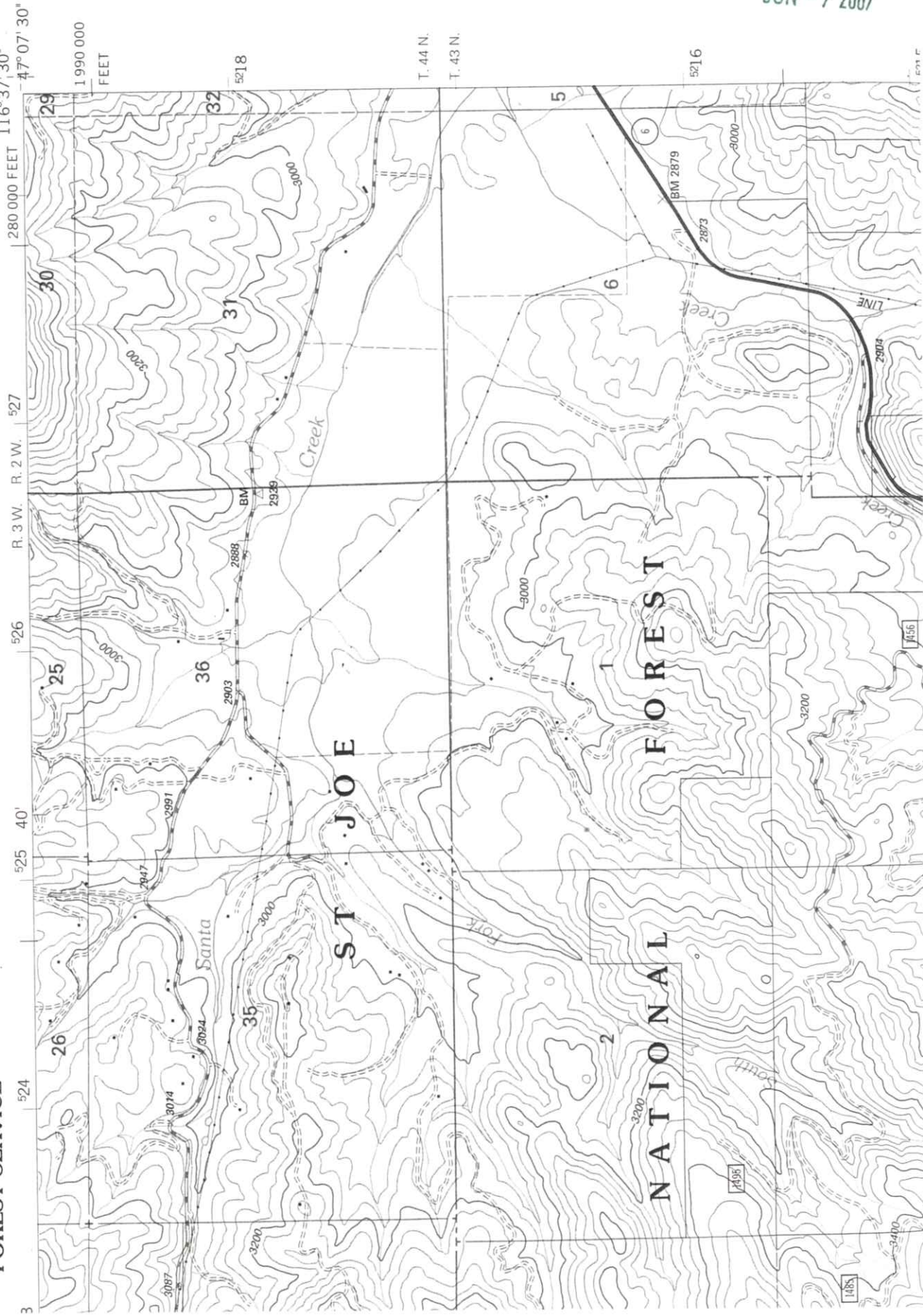
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WEST DENNIS QUADRANGLE
IDAHO
7.5-MINUTE SERIES (TOPOGRAPHIC)

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1. 2. 3.

0062

-7800

-7400

-7450

- 7500 -

-7550

GYC-34

MARY	PRICE
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100

-8450

GYC-39

MARY

PRICE

GYC-33

PAUL

Y E G G F

-8400

GYC-40

PAUL

WIFE G G F.

07-8750

Govt. Lot 7 - 39.72

GVC-32

EDWARD

BOYKEN

-9300

GYC-41842

JOAN

BURDETT

PETTINGILL

-9102

GYC-30

CAKL

MASON

-9103

GYC-43

GYC-44

62-29

~~SHIRLEY~~

~~FR ESE~~

-9000

3184

~~REMAN~~

Spent 20 min

0096-

3536

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RECEIVED
SEP 14 2005
IDWR/North



Home



Pressure Tank



Sears 1 HP Pump



Spigot location 1



Spigot Location 2



Storage box inside
Outbuilding



Washing Machine & dryer

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0.05 0 0.05 0.1 Miles



-  GCDB44N03W GCDB
-  Right POD
-  Right POU
-  Administrative BasinsAdminbas.shp















PUMP EQUATIONS

WATER RIGHT No.

92-10015

	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = $HP \cdot 8.8 \cdot \text{Eff} / H$	1	74.38776	0.7	5	30

Q = **0.083 cfs**

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