

Comment Report

67-7685

1. shemenway 2/9/2009 Field Report Narrative

Comment: Berkley 30 hp, 5 ft lift, 125 psi, 6 inch discharge reducing to 4 inch handline. 34 rainbirds R30 sprinklers, some 5 gpm flow control nozzles, others with mixture of 1/8 inch, 9/64 inch, 5/32 inch nozzles. They move the handline around to irrigate different fields to irrigate 47 acres, and fill (5) 100 gallon stock tanks and misc containers for 50 mules, 15 dogs, and 200 misc types of birds.

2. shemenway 2/9/2009 Stockwater

Comment: At time of field inspection, current owner had no cattle, but instead has 50 mules, 15 dogs, and 200 misc birds (swans, etc).

3. shemenway 2/9/2009 Overlap

Comment: 67-7726 overlaps same POU, uses the same handline and sprinkler system, only 67-7726 is a groundwater source.

4. shemenway 2/9/2009 Season of Use

Comment: IDWR standard for this area is 3/15 thru 11/15, so season of use was changed to match the standard.

5. shemenway 2/9/2009 CFS

Comment: Theoretical capacity of pump $(8.8) \times (30) \times (0.70) / (2.31 \times 125) + 5 = 0.63$ cfs. The discharge from the pump reduces from 6 inch to 4 inch going to the 4 inch handline. Maximum capacity for a 4 inch handline is 0.44 cfs. Sprinkler conversion chart shows for the 34 heads that are similar and have 5 gpm flow control nozzles. $34 \text{ heads} \times 5 \text{ gpm/head} = 170 \text{ gpm} = 0.38 \text{ cfs}$, and $34 \text{ heads} \times 5.264 \text{ gpm/head} = 179 \text{ gpm} = 0.40 \text{ cfs}$. There are other various sizes of heads adding to the system. Decision was made to allow the maximum capacity for the 4 inch handline of 0.44 cfs, since the sprinklers indicated that measurement to be the most accurate calculation.

6. shemenway 2/9/2009 4:20:39 PM POU

Comment: Updated Shape

7. shemenway 2/9/2009 4:20:53 PM POU

Comment: Updated PLS

8. shemenway 2/9/2009 4:22:01 PM POD

Comment: Updated Shape

9. shemenway 2/9/2009 4:22:24 PM POD

Comment: Updated PLS

10. shemenway 2/9/2009 4:23:24 PM POU

Comment: Updated Shape

Comment: Updated Shape

11. shemenway 2/9/2009 4:23:36 PM POU
Comment: Updated PLS

12. shemenway 2/9/2009 4:27:55 PM POU
Comment: Updated Shape

13. shemenway 2/9/2009 4:28:11 PM POU
Comment: Updated PLS

14. shemenway 3/23/2009 Lockable Device Waived
Comment: Brandi Horton, watermaster of Water District No. 67, stated having an agreement with the Warrens. Currently they have a portable diesel pump which in a dry irrigation season, and when advised by the watermaster, they will shut off, remove, and lock it up in the barn (information obtained via email from Brandi Horton). For this reason, the condition requiring a Lockable Device is being waived. Copies of Emails in File.

15. shemenway 2/5/2009 9:46:19 AM POU
Comment: Updated Shape

16. shemenway 2/9/2009 9:51:00 AM POD
Comment: Updated PLS

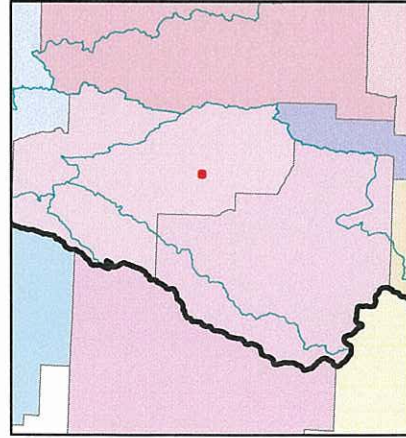


Idaho Department of Water Resources

Water Right
67-7685
(IRRIGATION)

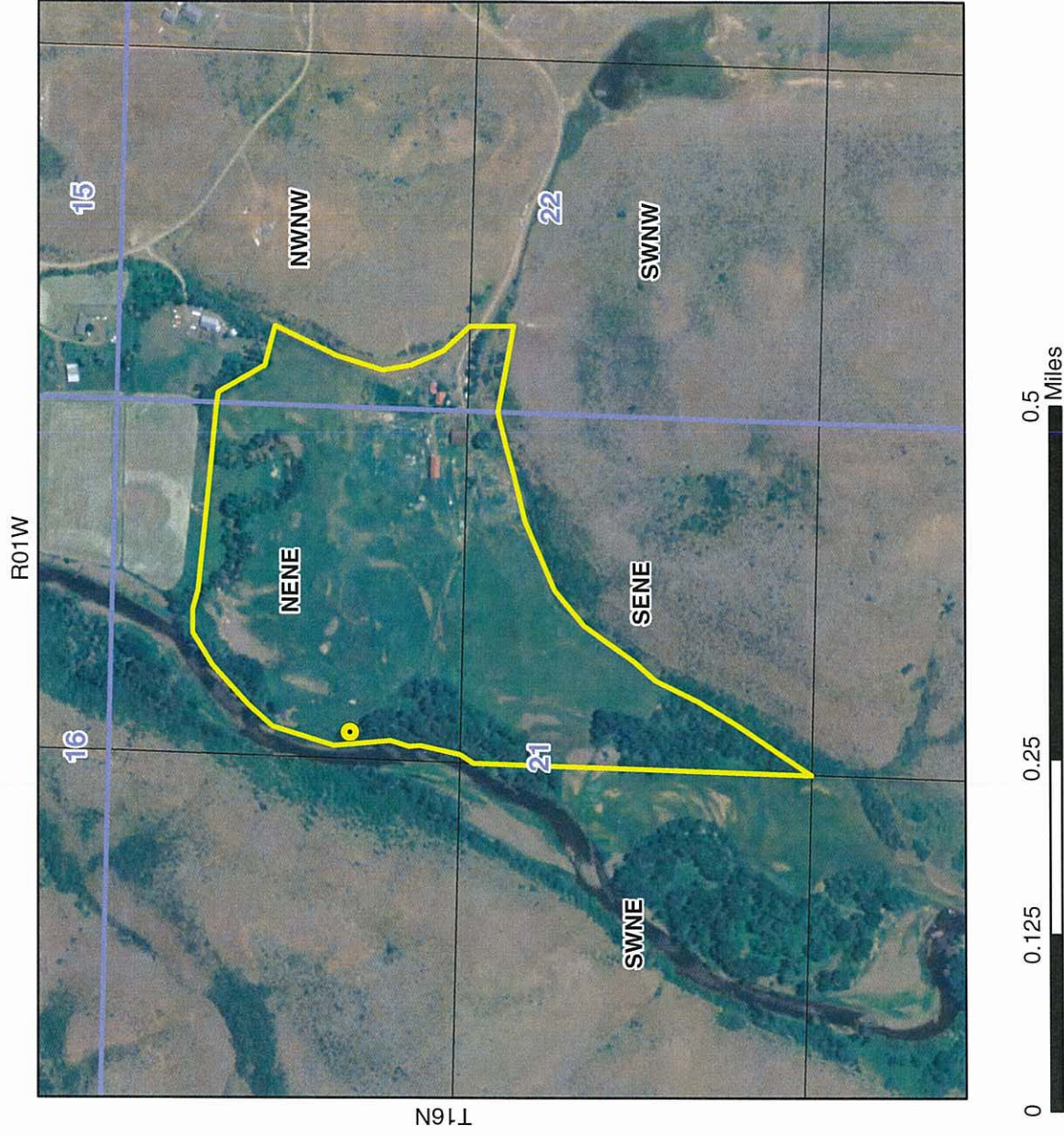
Legend

-  Point of Diversion
-  Place of Use
-  State Outline
-  Townships
-  PLS Sections
-  Quarter Quarters



Adams County
IDWR Basin 67

Prepared by Sandy Hemenway
On March 23, 2009
2004 Aerial Photography



PIPE FLOWS -- PUMPING SYSTEMS

[properly designed @ 5 ft. / sec.]

$$Q = 5 \pi r^2 (r \text{ in ft.}) \quad Q = 5 \pi R^2 (R \text{ in ft.})$$

$$R = (\text{diameter}/12) / 2 \quad \left(\frac{\text{dia}}{12} \right) \div 2$$

$$\pi = 3.1416$$

<u>PIPE DIAMETER(")</u>	<u>CFS (1/100)</u>	^(1/10) <u>MINER INCH</u>	^(1/10) <u>GALLONS/ MINUTE</u>
1	.03	1.5	13.5
2	.11	5.5	49.4
3	.25	12.5	112.2
4	.44	22.0	197.5
6	.98	49.0	439.8
8	1.74	87.0	780.9
10	2.73	136.5	1225.2
12	3.93	196.5	1763.8
14	5.34	267.0	2396.6
16	6.98	349.0	3132.6
18	8.83	441.5	3962.9
20	10.90	545.0	4891.9
22	13.19	659.5	5919.7
24	15.70	785.0	7046.2

THEORETICAL PSI's

Internal domestic	- 20 psi
Internal/external domestic	- 30 psi
Domestic w/ 5-10 acres	- 40 psi
Medium systems (up to 50 acres)	- 40 psi
Large pivots	- 60 psi

BASIN 67 WATER MASTER CONTACT INFORMATION:

67	Weiser River	Western	Active	BRANDI HORTON	2574 SCHOOL ROAD	MIDVALE, ID 83645	208-355- 2315
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IDWR Place of Use Overlaps

Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	Total
Permit	67 7685	STEPHEN WEISER	R 16N01W21	25				15	40
Right	67 7726	STEPHEN GROUND	' 16N01W21	27				15	42
Claim	67 7685	DANIEL E WEISER	R 16N01W21	15		2	4	19	40
Claim	67 7726	BRUCE G GROUND	' 16N01W21	27				15	42
Rec	67 7685	BRUCE G WEISER	R 16N01W21	20				12	32
Rec	67 7726	BRUCE G GROUND	' 16N01W21	27				15	42