

## IRRIGATION FLOW RATE QUESTIONNAIRE

THIS INFORMATION IS REQUIRED FOR ANY ADJUDICATION CLAIM(S) FOR WHICH THE IRRIGATION FLOW RATE CLAIMED IS MORE THAN 0.02 CFS PER ACRE (ONE EXCEPTION IS THAT 0.03 CFS PER ACRE MAY BE ALLOWED FOR IRRIGATION OF UP TO 5 ACRES).

CLAIM NO(S). 73-401  
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 PHONE 208-876-4218

1. TOTAL IRRIGATED ACRES SHOWN ON CLAIM(S) REFERENCED ABOVE 243.8 ACRES.

2. SHOW THE NUMBER OF ACRES OF CROPS GROWN FOR YOUR IRRIGATION SYSTEM(S) DURING A TYPICAL SEASON

|              | Border | Furrow | Corrugation | Sprinkler | Contour Ditch | Other |
|--------------|--------|--------|-------------|-----------|---------------|-------|
| Alfalfa      |        |        |             | 243.8     |               |       |
| Beans        |        |        |             |           |               |       |
| Field Corn   |        |        |             |           |               |       |
| Silage       |        |        |             |           |               |       |
| Spring Grain |        |        |             |           |               |       |
| Winter Wheat |        |        |             |           |               |       |
| Orchard      |        |        |             |           |               |       |
| Pasture      |        |        |             |           |               |       |
| Potatoes     |        |        |             |           |               |       |
| Sugar Beets  |        |        |             |           |               |       |
| Other        |        |        |             |           |               |       |

PLEASE COMPLETE ITEMS 3 THROUGH 8 FOR EACH OF THE IRRIGATION SYSTEM TYPES SPECIFIED ABOVE

3. BORDER (COMPLETE BELOW BASED ON PEAK USE)

inflow to border (cfs) \_\_\_\_\_ border width (feet) \_\_\_\_\_ border length (feet) \_\_\_\_\_  
 field slope (%) \_\_\_\_\_ set time (hours) \_\_\_\_\_ number of borders per set \_\_\_\_\_  
 frequency (days) \_\_\_\_\_

4. FURROW (COMPLETE BELOW BASED ON PEAK USE)

inflow to furrow (gpm) \_\_\_\_\_ furrow spacing (inches) \_\_\_\_\_ furrow length (feet) \_\_\_\_\_  
 field slope (%) \_\_\_\_\_ set time (hours) \_\_\_\_\_ number of furrows per set \_\_\_\_\_  
 frequency (days) \_\_\_\_\_

5. CORRUGATION (COMPLETE BELOW BASED ON PEAK USE)

inflow to corr. (gpm) \_\_\_\_\_ corr. spacing (inches) \_\_\_\_\_ corr. length (feet) \_\_\_\_\_  
 field slope (%) \_\_\_\_\_ set time (hours) \_\_\_\_\_ number of corrugations per set \_\_\_\_\_  
 frequency (days) \_\_\_\_\_

6. SPRINKLER (COMPLETE BELOW BASED ON PEAK USE)

*Handline System: 5.5 gpm Avg. 1- 9-tower Pivot 1-7 tower Pivot 8- Handlines 40'*  
 average nozzle flow (gpm) \_\_\_\_\_ nozzle spacing (feet) \_\_\_\_\_  
 lateral length (feet) *1320'* \_\_\_\_\_ lateral spacing (feet) *160'*  
 number of laterals per set *8* \_\_\_\_\_ *11 1/2 Hr Avg.*  
 frequency (days) *8 days* \_\_\_\_\_ *Pivot (9-tower) 85 AC, estimated flow 960 gpm, set time (hrs.)*  
*Pivot (6-tower) 68 AC " " 1000 gpm.*

7. CONTOUR DITCH (COMPLETE BELOW BASED ON PEAK USE)

inflow to ditch (cfs) \_\_\_\_\_ field slope (%) \_\_\_\_\_  
 ditch length (feet) \_\_\_\_\_ distance between ditches (feet) \_\_\_\_\_  
 number of ditches per set \_\_\_\_\_ set time (hours) \_\_\_\_\_  
 frequency (days) \_\_\_\_\_

8. OTHER IRRIGATION SYSTEM TYPE (specify)  
 (COMPLETE BELOW BASED ON PEAK USE)

inflow (cfs) \_\_\_\_\_ total area irrigated per set (acres) \_\_\_\_\_  
 field slope (%) \_\_\_\_\_ set time (hrs.) \_\_\_\_\_  
 frequency (days) \_\_\_\_\_

## CONVEYANCE FROM SOURCE TO FARM

UNLINED DITCH-SPECIFY SOIL TYPE Very gravelly loam39,600'  
length (feet)2.5' to 6.5'  
ave. depth from land surface (inches)90"  
ave. top width of water surface (inches)

LINED DITCH-SPECIFY TYPE OF LINING

N/A

length (feet)

ave. depth from land surface (inches)

ave. top width of water surface (inches)

PIPELINE

length (feet)

N/A

diameter (inches)

IS THIS CONVEYANCE SYSTEM SHARED BY OTHER WATER USERS? Yes

IF YES, PLEASE DESCRIBE OR SKETCH THE SYSTEM SHOWING THE NUMBER OF WATER USERS, LOCATION OF HEADGATES, LENGTHS ETC.

Ralph Hatch - owning 3 ranches along the ditch uses water from ditch for sprinkler, pivot & ditch irrigation. Also the water goes through fields used for cow pasture, numerous times.

Headgates and boxes are located at Moen - put in/take out

Eelzinga - right

corner of Scott Whitworth

Moen

Nature Conservancy

Wolmading

# Idaho Department of Water Resources

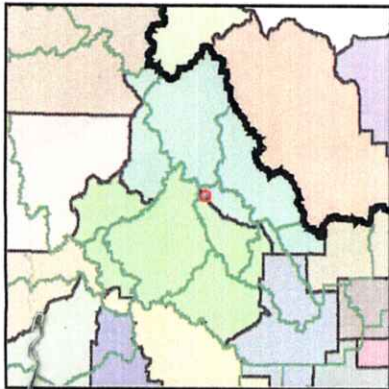


SRBA Recommendation:

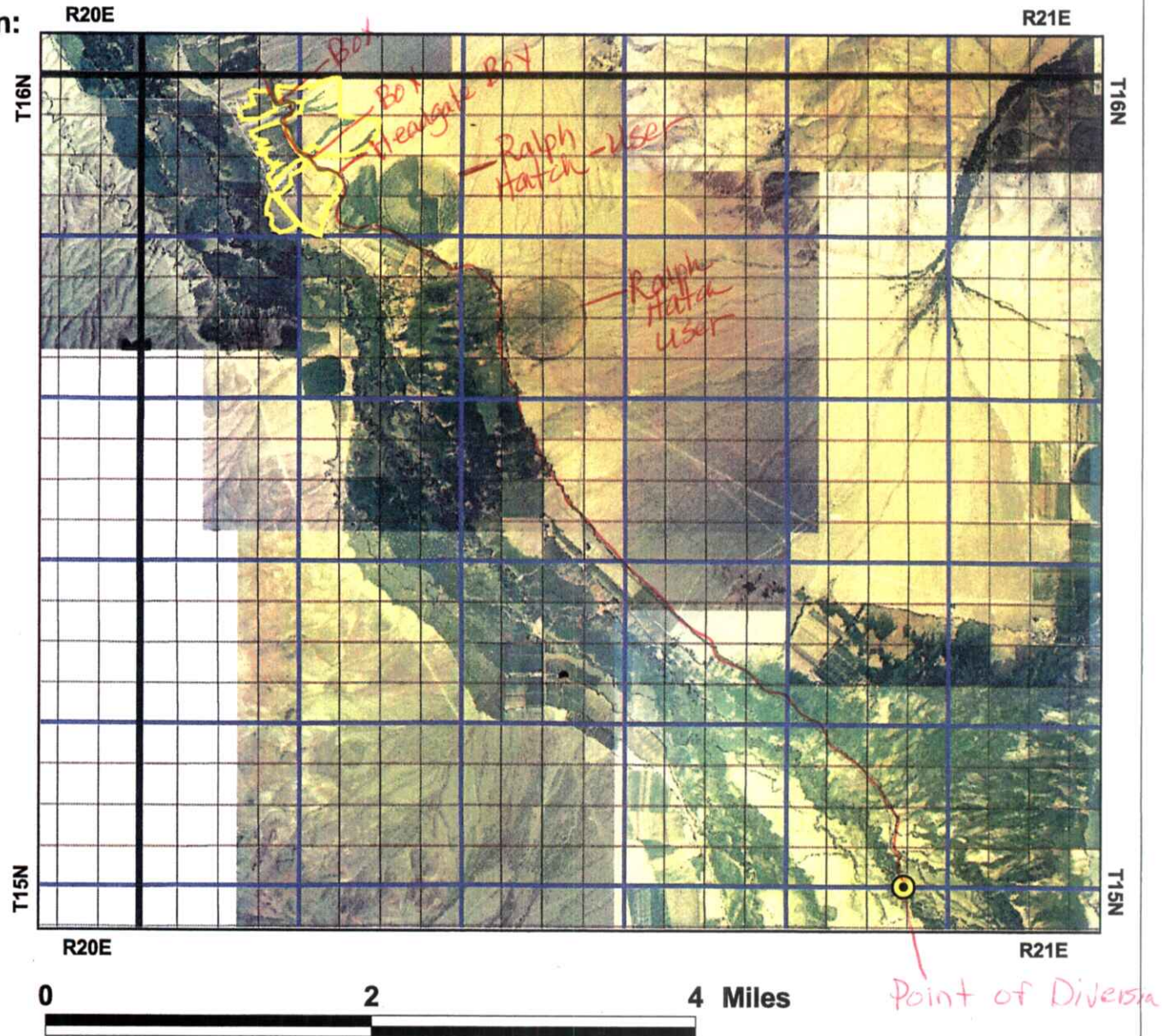
**73-84**  
(Irrigation)

## Legend

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



Lemhi, Custer Counties  
IDWR Basin 73



Prepared by R. Brown  
On Saturday, October 7, 2006  
1987/88 Aerial Photography

FSN 825  
T 1058

2 hand  
lines  
1  
15.2

1 hand  
line  
steep  
draw  
Ditch  
Pump

9  
16.0

2  
13.7

4 hand  
lines  
4  
33.3

steep  
draw  
Ditch  
Pump

3  
84.9

buried  
water line to pivot

Pivot

5  
67.1

Pivot

Pump

Ditch

8  
16.0



Tract 1058  
Farm 825

0.07 0 0.07 0.14 0.21 0.28 Miles

Map Printed: Mar 15, 2005

Clu\_a\_id059.shp

ditch =   
pumps =

11. HAVE YOU CHANGED YOUR IRRIGATION SYSTEM FROM THE ONE HISTORICALLY USED? (FOR EXAMPLE, LAND LEVELING, CHANGING LENGTH OF RUNS, CHANGE FROM FURROW TO SPRINKLER, ETC.)

IF YES, PLEASE DESCRIBE:

Added 6 tower pivot in 1998

12. HAVE YOU HAD ANY IRRIGATION SYSTEM DESIGN/EVALUATIONS OR FARM SOIL SURVEYS COMPLETED BY THE SOIL CONSERVATION SERVICE, PRIVATE CONSULTANTS, OR IRRIGATION EQUIPMENT DEALERS?

IF YES, PLEASE DESCRIBE OR ATTACH COPIES

yes, SCS did soil analysis and said it was very gravelly loam soil. When irrigation systems were purchased Ag Services of Blackfoot designed the irrigation system.

13. PLEASE INCLUDE ANY FURTHER COMMENTS WHICH WILL AID IN THE EVALUATION OF YOUR WATER REQUIREMENTS.

The 200 inches we take out at point of diversion is all lost to evaporation and leakage due to extreme rocky and gravel soil, vegetation along ditch, and distance to field. The ditch is built up - up to 8 feet in places, winds up and down draws and through very dry areas. We need the extra 200 inches to have this water for our fields.

PLEASE RETURN FORMS TO: