

**STATE OF IDAHO**  
**DEPARTMENT OF WATER RESOURCES**  
**ADJUDICATION SECTION**  
**CLAIM VERIFICATION FIELD EXAM SHEET**  
(Use with the ECVR)

CLAIM NO(s). 475-14201

1. ☐ No Change NAME IS SAME  
☒ NEW OWNER: Richard + Carol Ellis 208-756-8555  
☐ No Change ADDRESS  
☒ NEW ADDRESS: 23 12 mile Rd Salmon, Id 83467

2. ☐ No Change - DATE OF PRIORITY: Completed evidence submitted\*  
☐ Incomplete - Claimant should be asked during the exam when was water first used and submit proof of date of priority.

Priority date, per claimant, is: \_\_\_\_\_  
(If the priority date, based on your exam, seems questionable, explain below.)  
\_\_\_\_\_  
\_\_\_\_\_

3. ☒ No Change — SAME SOURCE  
☐ Source is different than that claimed:

Source found: \_\_\_\_\_

4. ☐ No Change — POINT OF DIVERSION GPS 003  
☐ Point of diversion is different than the claim and/or new P/D's:  
GPS Site Tag No.: A0011587

Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_  
Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_

5. ☒ No Change - DESCRIPTION OF DIVERTING WORKS  
☐ Incomplete description, list below:  
\_\_\_\_\_  
\_\_\_\_\_

# Estimating Conveyance Loss using the Worstell Method

Claim No.

Formula:  $S = (w)(i)(0.0667)$

Where: S = loss in cfs per mile

w = top width of the high water mark in feet

i = loss rate in feet per day (see Table)

| Type of soil            | i (ft/day) |
|-------------------------|------------|
| medium clay loam        | 0.5 - 1.5  |
| impervious clay         | 0.5        |
| medium soils            | 1.0        |
| somewhat pervious soils | 1.5 - 2.0  |
| gravels                 | 2.5 - 5.0  |

Worksheet:

$$w = 2'$$

$$i = 1.0 \text{ ft/day}$$

$$\text{ditch length (mi.)} = 1,000' = 0.19 \text{ miles}$$

Conveyance Loss:

$$S = (2)(1)(0.0667) = 0.133 \text{ cfs/mile}$$

$$\text{Loss} = 0.03 \text{ cfs/mile}$$

$$(0.13 \text{ cfs/mile}) \times (0.19 \text{ miles}) = 0.03 \text{ cfs}$$

$$(7 \text{ ac})(0.02 \text{ cfs/ac}) = 0.14 \text{ cfs}$$

$$\text{ditch loss} = 0.03 \text{ cfs}$$

$$\underline{0.17 \text{ cfs}}$$

$$\text{Claimed} = 0.59 \text{ cfs}$$

$$\text{Recommend to } \underline{0.17 \text{ cfs}}$$