

MEMO

Date: November 4, 2015

To: Notice of Claim File 94-8407

From: Linda Werner, Sr. Water Resource Agent *L.W.*

Subject: Field Inspection Findings of November 3, 2015

Accompanied By: Evan Roda, Sr. Water Resource Agent, IDWR
Justin Custis, W. Shoshone Hospital District
Tim Etherton, Kellogg Joint School District

Source: Jackass Creek Tributary to S. Fork Coeur d'Alene River

Point of Diversion: T49N, R3E, Section 30, SWSE, Lot 6

Water from Jackass Creek flows to an on-stream storage pond measuring 61' wide x 100' long, with average depth of 5'. Storage capacity calculated at 0.70 AF. (See Pond Worksheet, Attached) Water flows from pond through 8" pipe to West Shoshone Hospital where it is used for irrigation of the grounds surrounding the hospital and at the decontamination unit located on hospital grounds just north of the main facility. The decontamination unit consists of a filtration system, a 50 gallon hot water tank and one sink and one shower. Calculated flow rate for decontamination usage based on 2.2 GPM/showerhead & 50 gallon hot water tank which has never been emptied while in use. Water will also be used for fire protection. Irrigation is from buried pop-up sprinklers.

Usage and Quantity:	Industrial & Irrigation Storage: T49N R3E Sec. 30 SWSE (6)	1.0 AF
	Irrigation: T49N R3E Sec. 31 NESW	0.5
	SESW (5)	1.5
	SWSW (4)	<u>0.5</u>
		2.5
	Total: 2.5 Acres @ 0.03 CFS/AC	0.07 CFS
	Industrial: T49N R3E Sec. 31 NESW	<u>0.01 CFS</u>
	Total Quantity:	0.08 CFS
		1.0 AF
	Industrial & Irrigation from Storage: Same as Irrigation & Industrial POU	



LOOKING SOUTH AT DAM AT HEADGATE, EMERGENCY SPILLWAY & PIPELINE VAULT



LOOKING EAST AT
DECONTAMINATION UNIT
JUST NORTH OF HOSPITAL
FACILITY.



HOT WATER TANK

&



SINK AND FILTRATION SYSTEM IN DECON. UNIT

(PICTURES OF SHOWER AND IRRIGATED ACREAGE NOT AVAILABLE)

POND ANALYSIS SHEET
CLAIM 94-8407, W SHOSHONE HOSPITAL DISTRICT #1

SOURCE: JACKASS CREEK TRIBUTARY TO S FORK COEUR D'ALENE RIVER
LOCATION: T48N, R3E, SECTION 30, SWSE (6)

POND SIZE: $61.0 \text{ FT} \times 100.0 \text{ FT} = 6100 \text{ SQ FT} / 43,560 = 0.14 \text{ ACRES} \times 5 \text{ FT DEEP} = 0.70 \text{ AF}$
EVAPORATION = $383 \text{ GPD} \times 245 \text{ DAYS} / 325,850 \text{ GAL/AF} = 0.29 \text{ AF}$
SEEPAGE = NOT APPLICABLE DUE TO ON-STREAM STORAGE

IRRIGATION & INDUSTRIAL STORAGE:	A. POND SIZE	0.7 AF
	B. EVAPORATION	<u>0.3 AF</u>
	TOTAL	1.0 AF