

MEMORANDUM

Date: April 16, 2014
To: Transfer 79132
From: Kerrie Mathews
Re: Transfer Evaluation

Transfer No. 79132 for water right 25-2020 proposes to change the nature of use, period of use, place of use and the point of diversion of a portion of this right. This changed portion will be used to create a recreational pond. The balance of the water right will be left at the current place of use and reduced by the applicable acres to mitigate for the new use. This water right is currently leased to the water supply bank. The portion of the right that will be changed will be removed from the lease. The balance of the water right will be left, leased to the water supply bank.

The transfer application that was submitted indicated that 1.75 acres would be dried up to facilitate the creation of the recreational pond. Using the pond design plan and the map included with the application it was determined that the pond would be approximately 0.50 acres. Based on precipitation deficit calculations, it was determined that a pond this size and depth would require 3.7 acre feet for evaporation losses and the initial filling. Drying up 1.75 acres equates to a diversion rate of 0.04 cfs. The application listed a higher rate of diversion to storage. However, the transfer application did not dry up enough acres to cover the requested diversion rate (0.07 cfs). The diversion to storage rate was reduced to correctly represent the number of acres that were dried up.

Authority to file:

Water right 25-2020 is currently in the name of the Church of Jesus Christ. The current place of use and the new place of use are in the name of the Church of Jesus Christ. The application was signed by Terry Rudd and Delmas Johnson who have signature authority for the Church of Jesus Christ.

Validity of the Water Right:

Water right 25-2020 was decreed on September 30, 2005. Aerial photography does not show consistent irrigation. However, water right 25-2020 is currently leased to the Water Supply Bank and forfeiture does not appear to be an issue. A notice was sent to Department personnel for the Water Supply Bank informing them of the proposed transfer.

Injury to Other Water Rights:

No injury to other water rights was identified. The water master for WD01 was notified of the transfer and did not oppose the transfer.

Local Public Interest:

No issues identified.

Beneficial Use / Conservation of Water Resources:

No issues identified.

Review of the application finds there is not clear inconsistency with criteria set forth in Section 42-222 Idaho Code preventing processing of this transfer application.

PRECIPITATION DEFICIT CALCULATIONS FOR PONDS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL EVAP IN AF
mm/Day *	0.0	0.0	0.2	1.0	1.2	2.7	3.4	2.7	1.5	0.5	0.0	0.0	
mm/Month	0.0	0.0	7.4	28.5	36.3	81.3	105.1	82.8	43.5	15.2	0.0	0.0	
ft/Month	0.0	0.0	0.0	0.1	0.1	0.3	0.3	0.3	0.1	0.0	0.0	0.0	
Surface Area in Acres	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
acre-feet	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.7

* Based on percipitation deficits provided by University of Idaho, <http://data.kimberly.uidaho.edu/ETIdaho/>

POND SIZE:	WIDTH X LENGTH	SQ FT	ACRES
			0.5

mm to ft 0.0032808

JAN	FEB	MAR	APR
31.0	28.0	31.0	30.0
MAY	JUN	JUL	AUG
31.0	30.0	31.0	31.0
SEPT	OCT	NOV	DEC
30.0	31.0	31.0	31.0

Crop type = Grass Pasture

CIR in AF/ACRE 2.5

If applicable, acres need to dry up for evaporation

1.5

$$13 * .4 = 5.20$$

$$\text{Average depth} = \text{max depth} \times .40$$

Pond size in acres 0.5

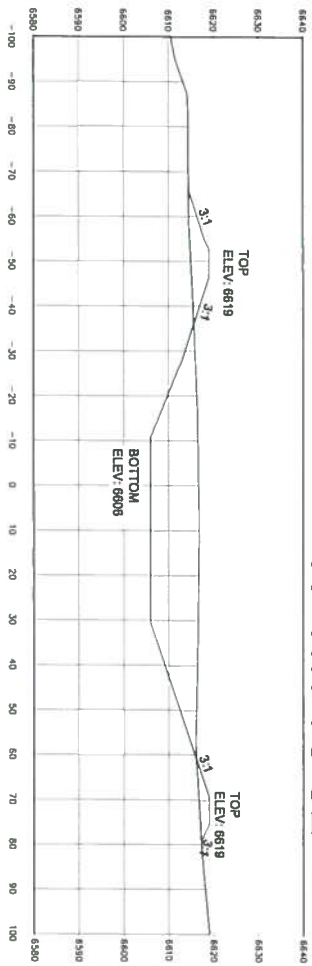
Average depth in ft 6.0

AF needed to Fill 3.0

TOTAL AF FOR POND 3.7

Data entry in green

"A" NW TO SE



"B" SW TO NE

