

MEMORANDUM

TO: Aaron Marshall
FROM: Brian Ragan
DATE: July 29, 2010
SUBJECT: Grant 4-D Farms Water Supply Bank Rental Application

SUMMARY

On July 30, 2009 IDWR received an application to rent water from the Water Supply Bank from Grant 4-D Farms. The applicant proposes to use 212 acre-feet per year of groundwater to irrigate 53 acres for 5-years.

On July 27, 2009 IDWR also received a letter from a different partner from Grant 4-D Farms requesting to extend the lease of water right no. 36-2684 from 1 to 5 years in order to ~~lease~~ ^{rent} it to Grant 4-D farms for 5 years. This request did not come in on an approved Departmental form.

AUTHORITY TO FILE

Duane Grant (signatory) is listed as one of three partners of Grant 4-D Farms as per Idaho.gov business search.

SUFFICIENCY OF SUPPLY

Are there lease applications that may provide a sufficient supply? Yes, an application will satisfy 189.2 acre-feet of the 212 acre-feet requested (47.3 acres of the 53 requested).

If so, should the right(s) be accepted into the Bank in accordance with the criteria outlined in the Water Supply Bank Rules? Yes.

A request to extend the lease of water right no. 36-2684 for 5-years was submitted along with this rental application. Renting this right satisfies the "first in, first out" rule. This water right was accepted into the Water Supply Bank effective March 29, 2004. Infrared satellite imagery indicates the portions of this right rented (pivot corners) have remained unused during the lease period, through the 2009 irrigation season. Water right 36-2684 authorizes the use of water for irrigation of 320 acres and is limited to a diversion rate of 5.36 cfs and 1280 acre-feet per year ($1280 / 320 = 4$ acre-feet per acre). The standard consumptive irrigation requirement in this area is 3 acre-feet per acre. However, only a portion of this water right is leased to the bank. The portion leased authorizes the use of water for irrigation of 47.3 acres and is limited to a diversion rate of 0.54 cfs and 189.2 acre-feet per year ($189.2 / 47.3 = 4$ acre-feet per acre).

Is there a sufficient supply of water leased or offered to the Bank for the proposed use? Yes. A lease will satisfy the remaining 22.8 acre-feet (5.7 acres).

Portions of the stacked water rights 36-2130C, 36-7850C, and 36-8106C were accepted into the Water Supply Bank for an indefinite period, effective March 11, 2004. Renting this right satisfies the "first in, first out" rule. Infrared satellite imagery indicates the portions of this right rented (pivot corners) have remained unused during the lease period, through the 2009 irrigation season.

LEASED PORTIONS

<u>Water Right No.</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>	<u>Acres</u>
36-2684	0.54 cfs	189.2 acre-feet	47.3 acres
36-2130C	0.40 cfs	124.8 acre-feet	31.2 acres
36-7850C	0.04 cfs	124.8 acre-feet	31.2 acres
36-8106C	<u>0.14 cfs</u>	<u>124.8 acre-feet</u>	<u>31.2 acres</u>
Subtotal	0.58 cfs	124.8 acre-feet	31.2 acres
Total	1.12 cfs	314 acre-feet	78.5 acres

RENTAL REQUEST

<u>Water Right No.</u>	<u>Diversion Rate</u>	<u>Annual Volume</u>	<u>Acres</u>
36-2684	0.54 cfs	189.2 acre-feet	47.3 acres
36-2130C	0.01 cfs	22.8 acre-feet	5.7 acres
36-7850C	0.00 cfs	22.8 acre-feet	5.7 acres
36-8106C	<u>0.00 cfs</u>	<u>22.8 acre-feet</u>	<u>5.7 acres</u>
Total	0.55 cfs	212 acre-feet	53 acres

The rental fee for water right no. 36-2684 is calculated in the following way: 189.2 acre-feet x \$14 per acre-foot = \$2,648.80 x 5-year rental = \$13,244. Because the renter is also the lessor for water right nos. 36-2130C, 36-7850C, and 36-8106C the rental fee is only 10% of the standard rental fee. The rental cost for this right is calculated in the following way: 22.8 acre-feet x \$1.40 per acre-foot = \$31.92 per year x 5-year rental = \$159.60.

INJURY

Information available to IDWR does not indicate that other water rights will be injured by the rental.

ENLARGEMENT

Will the rental enlarge the use of water under the rented right(s)? No.

BENEFICIAL USE

The use of water for irrigation is a recognized beneficial use of water

LOCAL PUBLIC INTEREST

Is the proposed rental in the local public interest? Yes.

WATER DISTRICT

Is the proposed rental in a water district? Yes. The proposed POU lies within Water District 130 according to the Administrative Area Results.

RECOMMENDATION

The rental may be approved, as described below:

Water Right No. 36-2684

Diversion Rate: 0.54 cfs
Volume: 189.2 acre-feet
Rental Fee: \$13,244 total for 5 years (\$2,648.80 per year)

Water Right Nos. 36-2130C, 36-7850C, 36-8106C
Diversion Rate: 0.01
Volume: 22.8 acre-feet
Rental Fee: \$159.60 total for 5 years (\$31.92 per year)

Combined Diversion Rate: 0.55 cfs
Combined Volume: 212 acre-feet
Combined Acres: 53 acres
Combined 5-year Rental Fee: \$13,403.60

Season of Use: 3/15 to 11/15

Rental Period: March 15, 2010 to November 15, 2015

2014 → 5 irrigation seasons

The Renter shall be limited to an annual diversion volume of 212 acre-feet for irrigation of 53 acres.