

MEMORANDUM

To: File 36-2175 and 36-16469

From: Cherie Palmer

Date: August 21, 2013

Re: Review/Analysis for Application to Rent Water from the State Water Supply Bank

PURPOSE/NARRATIVE: The applicant is renting water from the bank for use at an expanding dairy. In addition there was an equipment failure that resulted in diverting more water than expected. This equipment has apparently been fixed and part of the rented water will compensate for the accidental water use.

AUTHORITY TO FILE: The applicant is the owner of the POU and PD so she is authorized to sign her application. She also owns one of the water rights she will be renting, 36-16496.

WATER RIGHT VALIDITY: Water right 36-16469 was rented last year, as in this application, so water right validity was addressed at that time. Water right 36-2175 was accepted into the bank this year and is apparently valid.

INJURY TO OTHER WATER RIGHTS: Water under 36-2175 will be moving roughly 11 miles to the southwest. I conducted an ESPA modeling analysis and found that no injury would occur under the transaction. Water right 36-16469 is located at the same POU as the rental POU so no injury is expected. I have attached the ESPA modeling results to this memo.

ENLARGEMENT OF USE: There are no enlargement issues, see the injury section for more information.

LOCAL PUBLIC INTEREST: Review staff has no information to suggest this application is inconsistent with the local public interest.

BENEFICIAL USE/CONSERVATION OF WATER RESOURCES:
The rental appears consistent with conservation of water resources in Idaho.

DEPARTMENT STAFF OR WATERMASTER COMMENTS: The watermaster has already given her support of this application.

ENHANCED GROUND-WATER R

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTIT

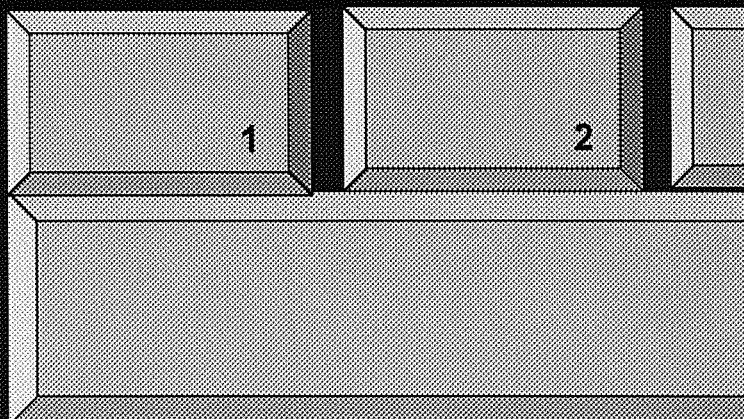
Cells this color are
set up for user entries

ENTER STARTING DATE FO
SIMULATION. THEN PUSH
"UPDATE DATES" BUTTON

YEAR 1952
SEASON SUMMER ▼

TRANSFER NO:

TRANSFER NAME
Modelo



ENTER CELL LOCATIONS:

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	73	69	0	0
COLUMN	50	60	0	0

TRIMESTER OF ACTIVITY	TO WELL	FROM1 WELL		FROM2 WELL	
	Projected Use AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER	With Transfer AF/TRIMESTER	Without Transfer AF/TRIMESTER
SUM 1952	0	16	16	0	0
WIN 1952	0	16	16	0	0
SPR 1953	0	16	16	0	0
SUM 1953	0	16	16	0	0
WIN 1953	0	16	16	0	0
SPR 1954	0	16	16	0	0
SUM 1954	0	16	16	0	0
WIN 1954	0	16	16	0	0
SPR 1955	0	16	16	0	0
SUM 1955	0	16	16	0	0
WIN 1955	0	16	16	0	0
SPR 1956	0	16	16	0	0
SUM 1956	0	16	16	0	0
WIN 1956	0	16	16	0	0
SPR 1957	0	16	16	0	0
SUM 1957	0	16	16	0	0
WIN 1957	0	16	16	0	0
SPR 1958	0	16	16	0	0
SUM 1958	0	16	16	0	0
WIN 1958	0	16	16	0	0
SPR 1959	0	16	16	0	0
SUM 1959	0	16	16	0	0
WIN 1959	0	16	16	0	0
SPR 1960	0	16	16	0	0
SUM 1960	0	16	16	0	0
WIN 1960	0	16	16	0	0

SPR 1961	0	16	16	0	0
SUM 1961	0	16	16	0	0
WIN 1961	0	16	16	0	0
SPR 1962	0	16	16	0	0
SUM 1962	0	16	16	0	0
WIN 1962	0	16	16	0	0
SPR 1963	0	16	16	0	0
SUM 1963	0	16	16	0	0
WIN 1963	0	16	16	0	0
SPR 1964	0	16	16	0	0
SUM 1964	0	16	16	0	0
WIN 1964	0	16	16	0	0
SPR 1965	0	16	16	0	0
SUM 1965	0	16	16	0	0
WIN 1965	0	16	16	0	0
SPR 1966	0	16	16	0	0
SUM 1966	0	16	16	0	0
WIN 1966	0	16	16	0	0
SPR 1967	0	16	16	0	0
SUM 1967	0	16	16	0	0
WIN 1967	0	16	16	0	0
SPR 1968	0	16	16	0	0
SUM 1968	0	16	16	0	0
WIN 1968	0	16	16	0	0
SPR 1969	0	16	16	0	0
SUM 1969	0	16	16	0	0
WIN 1969	0	16	16	0	0
SPR 1970	0	16	16	0	0
SUM 1970	0	16	16	0	0
WIN 1970	0	16	16	0	0
SPR 1971	0	16	16	0	0
SUM 1971	0	16	16	0	0
WIN 1971	0	16	16	0	0
SPR 1972	0	16	16	0	0
SUM 1972	0	16	16	0	0
WIN 1972	0	16	16	0	0
SPR 1973	0	16	16	0	0
SUM 1973	0	16	16	0	0
WIN 1973	0	16	16	0	0
SPR 1974	0	16	16	0	0
SUM 1974	0	16	16	0	0
WIN 1974	0	16	16	0	0
SPR 1975	0	16	16	0	0
SUM 1975	0	16	16	0	0
WIN 1975	0	16	16	0	0
SPR 1976	0	16	16	0	0
SUM 1976	0	16	16	0	0
WIN 1976	0	16	16	0	0
SPR 1977	0	16	16	0	0
SUM 1977	0	16	16	0	0
WIN 1977	0	16	16	0	0
SPR 1978	0	16	16	0	0
SUM 1978	0	16	16	0	0

WIN 1978	0	16	16	0	0
SPR 1979	0	16	16	0	0
SUM 1979	0	16	16	0	0
WIN 1979	0	16	16	0	0
SPR 1980	0	16	16	0	0
SUM 1980	0	16	16	0	0
WIN 1980	0	16	16	0	0
SPR 1981	0	16	16	0	0
SUM 1981	0	16	16	0	0
WIN 1981	0	16	16	0	0
SPR 1982	0	16	16	0	0
SUM 1982	0	16	16	0	0
WIN 1982	0	16	16	0	0
SPR 1983	0	16	16	0	0
SUM 1983	0	16	16	0	0
WIN 1983	0	16	16	0	0
SPR 1984	0	16	16	0	0
SUM 1984	0	16	16	0	0
WIN 1984	0	16	16	0	0
SPR 1985	0	16	16	0	0
SUM 1985	0	16	16	0	0
WIN 1985	0	16	16	0	0
SPR 1986	0	16	16	0	0
SUM 1986	0	16	16	0	0
WIN 1986	0	16	16	0	0
SPR 1987	0	16	16	0	0
SUM 1987	0	16	16	0	0
WIN 1987	0	16	16	0	0
SPR 1988	0	16	16	0	0
SUM 1988	0	16	16	0	0
WIN 1988	0	16	16	0	0
SPR 1989	0	16	16	0	0
SUM 1989	0	16	16	0	0
WIN 1989	0	16	16	0	0
SPR 1990	0	16	16	0	0
SUM 1990	0	16	16	0	0
WIN 1990	0	16	16	0	0
SPR 1991	0	16	16	0	0
SUM 1991	0	16	16	0	0
WIN 1991	0	16	16	0	0
SPR 1992	0	16	16	0	0
SUM 1992	0	16	16	0	0
WIN 1992	0	16	16	0	0
SPR 1993	0	16	16	0	0
SUM 1993	0	16	16	0	0
WIN 1993	0	16	16	0	0
SPR 1994	0	16	16	0	0
SUM 1994	0	16	16	0	0
WIN 1994	0	16	16	0	0
SPR 1995	0	16	16	0	0
SUM 1995	0	16	16	0	0
WIN 1995	0	16	16	0	0
SPR 1996	0	16	16	0	0
SUM 1996	0	16	16	0	0
WIN 1996	0	16	16	0	0
SPR 1997	0	16	16	0	0
SUM 1997	0	16	16	0	0

WIN 1997	0	16	16	0	0
SPR 1998	0	16	16	0	0
SUM 1998	0	16	16	0	0
WIN 1998	0	16	16	0	0
SPR 1999	0	16	16	0	0
SUM 1999	0	16	16	0	0
WIN 1999	0	16	16	0	0
SPR 2000	0	16	16	0	0
SUM 2000	0	16	16	0	0
WIN 2000	0	16	16	0	0
SPR 2001	0	16	16	0	0
SUM 2001	0	16	16	0	0
WIN 2001	0	16	16	0	0
SPR 2002	0	16	16	0	0
SUM 2002	0	16	16	0	0
WIN 2002	0	16	16	0	0
SPR 2003	0	16	16	0	0
SUM 2003	0	16	16	0	0
WIN 2003	0	16	16	0	0
SPR 2004	0	16	16	0	0
SUM 2004	0	16	16	0	0
WIN 2004	0	16	16	0	0
SPR 2005	0	16	16	0	0
SUM 2005	0	16	16	0	0
WIN 2005	0	16	16	0	0
SPR 2006	0	16	16	0	0
SUM 2006	0	16	16	0	0
WIN 2006	0	16	16	0	0
SPR 2007	0	16	16	0	0
SUM 2007	0	16	16	0	0
WIN 2007	0	16	16	0	0
SPR 2008	0	16	16	0	0
SUM 2008	0	16	16	0	0
WIN 2008	0	16	16	0	0
SPR 2009	0	16	16	0	0
SUM 2009	0	16	16	0	0
WIN 2009	0	16	16	0	0
SPR 2010	0	16	16	0	0
SUM 2010	0	16	16	0	0
WIN 2010	0	16	16	0	0
SPR 2011	0	16	16	0	0
SUM 2011	0	16	16	0	0
WIN 2011	0	16	16	0	0
SPR 2012	0	16	16	0	0
SUM 2012	0	16	16	0	0
WIN 2012	0	16	16	0	0
SPR 2013	0	0	16	0	0
SUM 2013	12	0	16	0	0
WIN 2013	12	0	16	0	0
SPR 2014	0	16	16	0	0
SUM 2014	0	16	16	0	0
WIN 2014	0	16	16	0	0
SPR 2015	0	16	16	0	0
SUM 2015	0	16	16	0	0
WIN 2015	0	16	16	0	0
SPR 2016	0	16	16	0	0
SUM 2016	0	16	16	0	0

One-Way Analysis of Independent Transfers

New Water Right (GModelo):

WR No.	Div. Rate (CFS)	Con. Vol. (AFA)	No. of Irr. Acres	Priority Date	POD Location	Dedicated Vol. AFA/ AFT	Model Node	Ashton to Rexburg	Heise to Shelley	Shelley to N. Bickft	Nr Bickft to Neeley	Neeley to Mindoka	Dev. Wbl. To Buhl	Buhl to Kspr	Kspr	Kspr to Malad	Malad to Bancroft
Transfer 1: Proposed Steady State Impacts following Transfer																	
???	???	275.6	68.9	1/1/1960	8S26E-3	275.6	91.9	0.20	0.23	1.73	6.04	1.72	3.18	1.22	0.77	0.09	0.73
???	???	275.6	68.9	1/1/1960	8S26E-3	275.6	91.9	0.20	0.23	1.73	6.04	1.72	3.18	1.22	0.77	0.09	0.73
Transfer 1: Worst Case Transient State Impacts following Transfer																	
???	???	275.6	68.9	1/1/1960	8S26E-3	275.6	91.9	0.20	0.23	1.73	6.04	1.72	3.18	1.22	0.77	0.09	0.73
???	???	275.6	68.9	1/1/1960	8S26E-3	275.6	91.9	0.20	0.23	1.73	6.04	1.72	3.18	1.22	0.77	0.09	0.73
Steady State Analysis																	
Mitigation Check 1 - >10% of Historical:								0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Mitigation Check 2: > 6 AFA:								0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mitigation Check 3 - >10% of Total:								1.3%	1.5%	10.9%	37.9%	10.8%	20.0%	7.7%	4.9%	0.5%	4.6%
Mitigation Required?:								NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Mitigation Vol. Req'd (ac-ft):								0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Transient State Analysis																	
Mitigation Check 1 - >10% of Historical:								0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Mitigation Check 2: > 6 AFA:								0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mitigation Required?:								NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Mitigation Vol. Req'd (ac-ft):								0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Read Me																	

Read Me

State of Idaho
Department of Water Resources

RECOMMENDATION OF WATERMASTER

Application No: WSB Rental
Water Right No:
Applicant Name: Irene Vandervegt-Gibson

Watermaster's Recommendation:

- a) ☒ I do not oppose approval of this application
- b) ☐ I do not oppose approval of this application under the following terms:
- c) ☐ I oppose approval of this application(s) for the following reasons:
- d) ☐ Additional comment:

Similar rental approved for 2012, but using an incorrect pod in SENE Sec 6 (irrigation well). The dairy wells are in NESE Sec 6 and this years application has been corrected to reflect the correct pods. See Site Tag IDs on application or search spatial nos. 395119 and 395123 for locations.

Rental POU is enlarged this year. Map was not included with app but I have provided one.

The applicant's right no.36-16469, part of which is in the bank, was used for the rental last year and the same 21.7 ac still appears to be available for 2013. The rental application seeks additional water this year, however, the balance of the applicant's lease of 16469 is in an active rental agreement (Wickel aka Jentzsch Kearn) through 2013. Other rights will need to be found to make up the difference, amounting to 35 AF consumptive volume or approximately 14 acres.

Dairy wells have approved flow meters.

Dated: July 18, 2013

Water District 130



Cindy J Yenter, Watermaster