Form 1-222
12-90

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Department of Water Resources
Southern Region

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. 72314

APPLICATION FOR TRANSFER OF WATER RIGHT
PART 1

Name of applicant Mountain View Land, LP Phone (208) 531-5104

Post Office address 719 E. 700 N. Rupert, ID 83350

A. PURPOSE OF TRANSFER

1. ☒ Change point of diversion ☒ Add diversion point ☒ Change place of use
   ☒ Change nature of use ☒ Change period of use ☒ Other Split Right
2. Describe the reason for the proposed changes To swap priority of water rights to dairy use with additional volume under dried up acres for facility expansion. See also companion transfer of existing dairy water rights.

B. DESCRIPTION OF RIGHT(S) OR PORTION THEREOF, AFTER THE REQUESTED CHANGE

1.

Right Number	Priority	Amount (cfs/ac-ft)	Nature of Use	Period of Use
36-16310A	4/20/1950	3.19/428.1*	Stock/comm.	1/1 to 12/31
36-16310B	4/20/1950	0.2/14.6	Stockwater	1/1 to 12/31
36-16310C	4/20/1950	0.2/14.6	Stockwater	1/1 to 12/31
				to

2. Total amount of water being transferred 3.19 cubic feet per second and/or 428.1 acre-feet per annum.
3. Source of water Ground Water tributary to _____
4. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
		SE	NE	21	8S	25E	Minidoka	Barn 2 Main Well
		SE	NE	21	8S	25E	Minidoka	Barn 2 Back-up Well
		NW	NW	22	8S	25E	Minidoka	Barn 1 Main Well
		NW	NW	22	8S	25E	Minidoka	Barn 1 Back-up Well
	NW	NW	NW	22	8S	25E	Minidoka	Domestic/Stock #1
	NW	NE	NW	22	8S	25E	Minidoka	Domestic/Stock #2
	SW	SW	NW	22	8S	25E	Minidoka	-- Proposed New Well --

5. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
8S	25E	21	S/C	S/C	S/C	S/C									S/C	S/C			S/C
		22					S/C	S/C	S/C	S/C									S/C

Printed 5/26/05 10:47

Total acres S/C

PART 1

6. General Information:

a. Description of diversion system Main & backup wells at Barn #1 and #2, well at 2 residences with interconnected system. New well authorization requested for proposed new barn in SWSWNW-Section 22.

b. Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or contracts?

☐ Yes ☐ No. If yes, provide a notarized statement from the holder of the lien, deed of trust, mortgage or contract agreeing to the proposed changes.

c. Describe the effect on the land now irrigated if the place of use is changed pursuant to this transfer:

Majority of land will be irrigated under transferred dairy rights 36-7273B, 36-36-7460L, 36-13610 & 36-13611 and remainder of this right. **Authorized irrigation at current place of use will be reduced by 65 acres.**

d. Remarks:

*Consumptive volume on 166 ac. (Minidoka Dam - Sbeets-> 2.58 af/ac = 428.1 afa) - see attached FSA report. Transfer from ESPA Model node (10,29) to (9,28) shows no significant increased reach impacts - see attached Transfer Spreadsheet results.

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Transfer of Water Rights No. _____

And said application is hereby _____, subject to the following limitations and conditions:

_____

_____

_____

_____

_____

_____

_____

_____

Witness my hand this _____ day of _____, 19 _____.

_____

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Transfer No._____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 2

(Attach one copy for each right)

A. DESCRIPTION OF RIGHT AS RECORDED

1. Right evidenced by:

   a. Decree No. 36-16310 Decreed to Mountain View Land, LP

   in case of SRBA vs. _____

   dated _____ in _____ county of _____

   b. License No. _____ issued by the Idaho Department of Water Resources.

   c. Claim No. _____ on file with the Idaho Department of Water Resources.

   d. Transfer No. _____ which produced this right.

2. Attach a copy of last year's tax notice for the property to which the water right is appurtenant or other documents which show ownership. Label document as attachment A. check appropriate box below.

   ☐ Tax notice ☐ Warranty Deed ☐ Other _____

3. Source of water Ground Water tributary to _____

4. Date of priority 4/20/1950

5. Water is used for the following purpose:

   Amount (cfs/ac-ft) 5.08/1056 for Irrigation purposes from 3/15 to 11/15

   Amount (cfs/ac-ft) _____ for _____ purposes from _____ to _____

   Amount (cfs/ac-ft) _____ for _____ purposes from _____ to _____

6. Total amount of water under right 5.08 cubic feet per second and/or 1056 acre-feet per annum.

7. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
	SW	SE	NE	27	7S	25E	Minidoka	Existing Irrigation Well

8. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
7S	25E	27	33	33	33	33									33	33	33	33	264

Total acres 264

9. Describe any other water rights used for the same purpose as described above None

Page _____ of _____ **PART 2** Transfer No._____

10. To your knowledge, has any portion of this water right undergone a period of five or more consecutive years of non-use?

No If yes, describe _____

B. DESCRIPTION OF PORTION OF RIGHT BEING TRANSFERRED

(if the entire right is to be changed by the applicant, omit part B and C)

1. Amount (cfs/ac-ft) 3.19/428.1 for Irrigation purposes from 3/15 to 11/15
   Amount (cfs/ac-ft) _____ for _____ purposes from _____ to _____
   Amount (cfs/ac-ft) _____ for _____ purposes from _____ to _____

2. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
	SW	SE	NE	27	7S	25E	Minidoka	Existing Irrigation Well

3. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
7S	25E	27	33	33	33	33									33	1			166

Total acres 166

C. DESCRIPTION OF UNCHANGED PORTION OF RIGHT *(omit if there is no change)*

1. Amount (cfs/ac-ft) 1.89/392 for Irrigation purposes from 3/15 to 11/15
   Amount (cfs/ac-ft) _____ for _____ purposes from _____ to _____
   Amount (cfs/ac-ft) _____ for _____ purposes from _____ to _____

2. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
	SW	SE	NE	27	7S	25E	Minidoka	Existing Irrigation Well

3. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
7S	18E															32	33	33	98

Total acres 98

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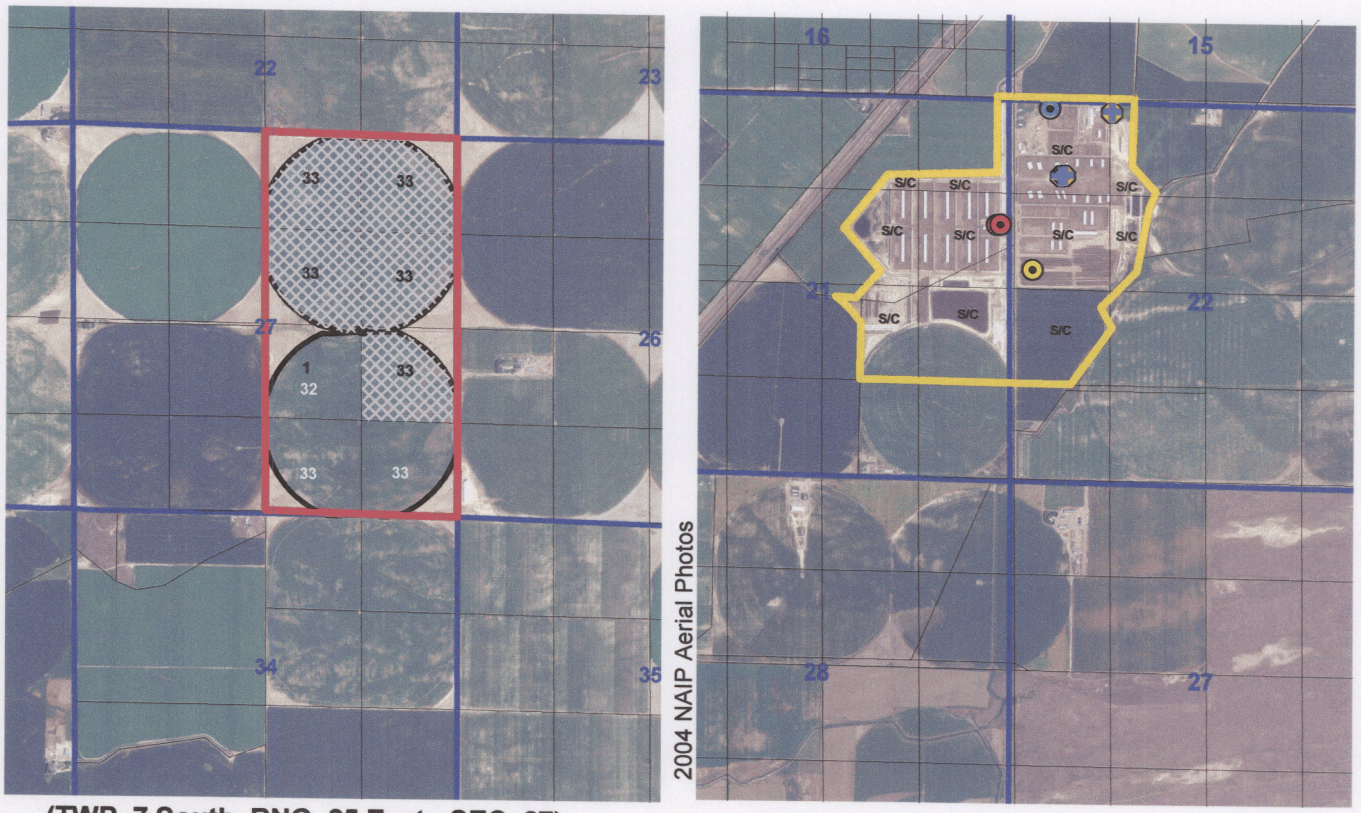
Transfer No. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 3

A. Draw a map or attach a USGS map indicating the new point(s) of diversion and/or the new place of use for rights described in part 1. Clearly depict the land by section, township and range number.



(TWP. 7 South, RNG. 25 East - SEC. 27)
TRANSFER #1 - 166 ACRES (36-16310)
FROM IRRIGATION TO DAIRY

(TWP. 8 South, RNG. 25 East - SEC. 21,22)
TRANSFER #2 - STOCKWATER & COMMERCIAL
FROM DAIRY TO IRRIGATION

0.5 0 0.5 1 1.5 2 Miles

N
W E
S

MOUNTAIN VIEW LAND LIMITED PARTNERSHIP
COMPANION TRANSFERS

- 36-16310 Transfer Acres (166 Ac.)
- Proposed PPU (Limited to 199 irrigated acres after transfers)
- Proposed POU - Stockwater
- Sections
- 40's

Wells & Associated Water Rights
- 36-7273B
- 36-7460L
- 36-13610
- 36-13611
- Proposed New Well

Brockway Engineering, PLLC
JCH - May 26, 2005

F:\Projects\Whitesides-MtnView\ArcView\Whitesides.apr

SCALE: 2 inches equals 1 mile. Draw plan in ink.

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Transfer No. _____

PART 3

B. CHANGES IN NATURE OF USE

1. New Nature of Use	Amount (cfs/ac-ft)	Hours/days/year	Period of Use
Stock/comm.	3.19/428.1	full	1/1 to 12/31
			to

2. Quantity and quality of return flows and location of discharge:

none

3. Describe the effects on other water uses resulting from the proposed change:

ESPAM Transfer Spreadsheet attached.

Some portion of transferred acres will be irrigated under proposed transfer of dairy water rights to irrigation. 65 net acres will be dried up within proposed irrigation PPU - see also companion transfer.

I hereby assert that no one will be injured by such change and that the change does not constitute an enlargement in use of the original right. The information contained in this application is true to the best of my knowledge.

I understand that any willful misrepresentations made in this application may result in voiding its approval.

STATE OF IDAHO NOTARY PUBLIC JILL DAVIDSON

Stan Whitesides Mountain View Land Partners
(Signature of Applicant)

Subscribed and sworn to before me this 31ST day of May, 2005.

Jill Davidson
(Notary Public)

My commission expires November 18, 2010

FOR DEPARTMENT USE ONLY

Transfer contains _____ pages and _____ attachments

Received by JC Hanson Date 5-3-05 Protest filed by _____

Prelim. check by _____ Fee $370.50 27725

Receipted by JC Date 5-6-05

Published in _____ Copies of protest forwarded by _____

Pub. dates _____ Hearing held by _____ Date

Watermaster recommendation requested on _____ Recommended for [ ] Approval [ ] Denial

_____ rec'd. _____ by _____

Copy of transfer sent to lien holder _____

N
W
E
S

302, 513 Sq Ft *
4' Avg Depth =
1,210,052 cuft

Runoff Containment

600' * 300'
600' * 300'
600' * 300'
600' * 300'
500' * 300'
600' * 300'
600' * 300'
600' * 300'
600' * 300'
450' * 300'

Barn 2

Solid Manure Separators

Feed Storage Area

359,366 sqft *
8' avg depth =
2,494,562 cuft

Feed Storag Area

Feed Storage

185' * 350'

350' *
315'

Barn 1

150' * 400'

415'' * 315'

305' * 525'

415' * 325'

370' * 730'

650' * 170'

590' * 230'

340' * 550'

590' * 230'

500' * 250'

500' * 250'

Each - 320' * 60' * 4' Provide 187 days storage

New Barn

Separators

Runoff Containment

East Lagoons

Runoff Containment

Anaerobic Digester

Covered Manure Receiving Tank

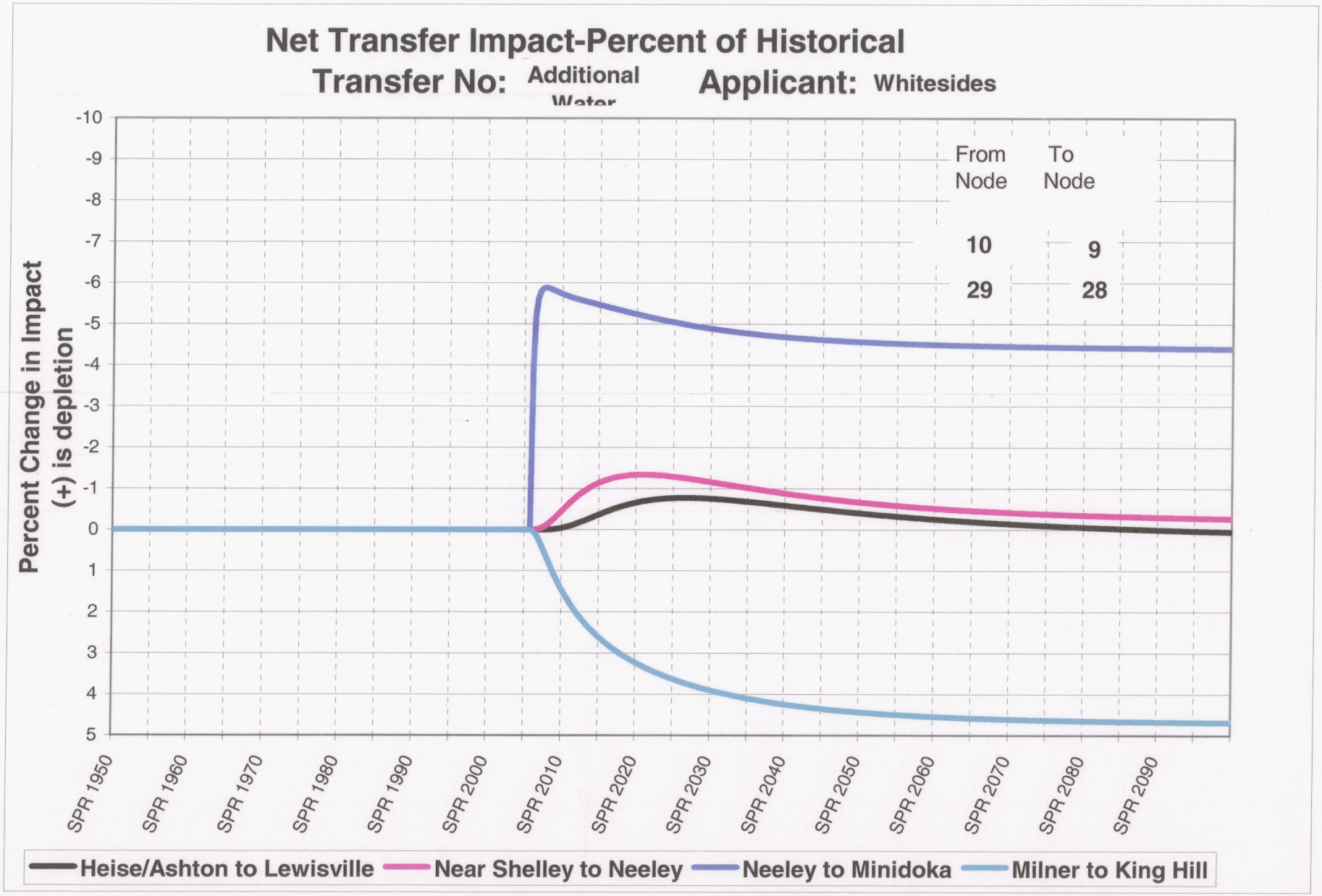
Compost Area

0 125 250 500 750 1,000
Feet

Nutrient Management Solutions, LLC

Robert Ohlensehlen and Reagon Hatch
1247 Filer Avenue East
Twin Falls, ID 83301
Phone: (208) 736-6081
Fax: (208) 736-1916
Email: NMSCAFO@cableone.net

Site Plan for:
Whitesides Dairy Site
Location: 700 N 719 E S, Rupert, ID
Legal Description:
Portions of Section 21 & 22 T 8S R 25 E


Net Transfer Impact-Percent of Historical
Transfer No: Additional Water
Applicant: Whitesides
From Node
To Node
10
9
29
28
Percent Change in Impact (+) is depletion
-10
-9
-8
-7
-6
-5
-4
-3
-2
-1
0
1
2
3
4
5
SPR 1950
SPR 1960
SPR 1970
SPR 1980
SPR 1990
SPR 2000
SPR 2010
SPR 2020
SPR 2030
SPR 2040
SPR 2050
SPR 2060
SPR 2070
SPR 2080
SPR 2090
Heise/Ashton to Lewisville
Near Shelley to Neeley
Neeley to Minidoka
Milner to King Hill

Pumping Schedule and Gross Reach Depletions

Whitesides Additional Dairy Water

Current Model Results From Cell (S9,28)

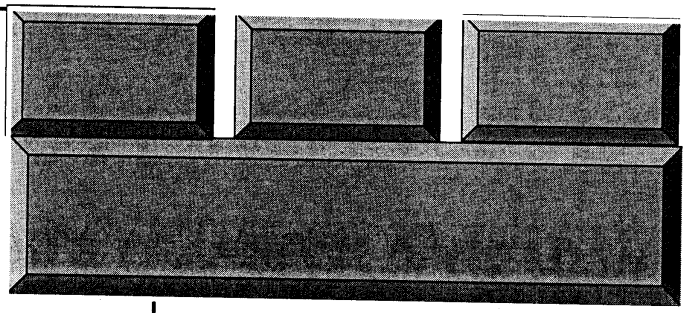
Years			Consumptive Volume			Calculated Impact (+) is depletion							
						[Af/Year]	[Net %]	[Af/Year]	[Net %]	[Af/Year]	[Net %]	[Af/Year]	[Net %]
Begin	End	Number	Pumped	Transferred	Percent of	Heise/Ashton to Lewisville		Shelley to Neeley		Neeley to Minidoka		Milner to King Hill	
			Af/yr	Af/Year	transferred volume								
2004	2005	1	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
2005	2006	1	0.0	0.0	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
2006	2007	1	167.7	167.7	100%	0.0	0.0	0.0	0.0	-3.2	-4.9	0.1	**0.1**
2007	2008	1	167.7	167.7	100%	0.0	0.0	0.0	-0.1	-3.9	-5.9	0.3	**0.4**
2008	2009	1	167.7	167.7	100%	0.0	0.0	-0.1	-0.2	-3.9	-5.9	0.5	**0.9**
2009	2010	1	167.7	167.7	100%	0.0	0.0	-0.1	-0.3	-3.8	-5.8	0.8	**1.3**
2010	2011	1	167.7	167.7	100%	0.0	-0.1	-0.2	-0.5	-3.8	-5.7	1.0	**1.6**
2011	2012	1	167.7	167.7	100%	0.0	-0.1	-0.2	-0.7	-3.7	-5.6	1.1	**1.9**
2012	2013	1	167.7	167.7	100%	0.0	-0.2	-0.3	-0.9	-3.7	-5.6	1.3	**2.1**
2013	2014	1	167.7	167.7	100%	0.0	-0.3	-0.3	-1.0	-3.7	-5.5	1.4	**2.3**
2014	2015	1	167.7	167.7	100%	0.0	-0.3	-0.3	-1.1	-3.6	-5.5	1.5	**2.5**
2015	2016	1	167.7	167.7	100%	0.0	-0.4	-0.4	-1.2	-3.6	-5.4	1.6	**2.7**
2016	2017	1	167.7	167.7	100%	0.0	-0.5	-0.4	-1.2	-3.6	-5.4	1.7	**2.8**
2017	2018	1	167.7	167.7	100%	0.0	-0.5	-0.4	-1.3	-3.6	-5.4	1.8	**2.9**
2018	2019	1	167.7	167.7	100%	0.0	-0.6	-0.4	-1.3	-3.5	-5.3	1.9	**3.1**
2019	2020	1	167.7	167.7	100%	0.0	-0.6	-0.4	-1.3	-3.5	-5.3	1.9	**3.2**
2020	2021	1	167.7	167.7	100%	0.0	-0.7	-0.4	-1.3	-3.5	-5.2	2.0	**3.3**
2021	2022	1	167.7	167.7	100%	0.0	-0.7	-0.4	-1.3	-3.4	-5.2	2.1	**3.4**
2022	2023	1	167.7	167.7	100%	0.0	-0.7	-0.4	-1.3	-3.4	-5.1	2.1	**3.4**
2023	2024	1	167.7	167.7	100%	0.0	-0.8	-0.4	-1.3	-3.4	-5.1	2.2	**3.5**
2024	2025	1	167.7	167.7	100%	0.0	-0.8	-0.4	-1.3	-3.4	-5.1	2.2	**3.6**
2025	2026	1	167.7	167.7	100%	0.0	-0.8	-0.4	-1.3	-3.4	-5.0	2.3	**3.7**
2026	2027	1	167.7	167.7	100%	0.0	-0.8	-0.4	-1.3	-3.3	-5.0	2.3	**3.7**
2027	2028	1	167.7	167.7	100%	0.0	-0.8	-0.4	-1.2	-3.3	-5.0	2.3	**3.8**
2028	2029	1	167.7	167.7	100%	0.0	-0.8	-0.4	-1.2	-3.3	-4.9	2.4	**3.8**
2029	2030	1	167.7	167.7	100%	0.0	-0.8	-0.4	-1.2	-3.3	-4.9	2.4	**3.9**
2030	2031	1	167.7	167.7	100%	0.0	-0.7	-0.4	-1.1	-3.3	-4.9	2.4	**3.9**
2031	2032	1	167.7	167.7	100%	0.0	-0.7	-0.4	-1.1	-3.2	-4.9	2.5	**4.0**
2032	2033	1	167.7	167.7	100%	0.0	-0.7	-0.4	-1.1	-3.2	-4.8	2.5	**4.0**
2033	2034	1	167.7	167.7	100%	0.0	-0.7	-0.3	-1.1	-3.2	-4.8	2.5	**4.0**
2034	2035	1	167.7	167.7	100%	0.0	-0.7	-0.3	-1.0	-3.2	-4.8	2.5	**4.1**
2035	2036	1	167.7	167.7	100%	0.0	-0.7	-0.3	-1.0	-3.2	-4.8	2.6	**4.1**
2036	2037	1	167.7	167.7	100%	0.0	-0.7	-0.3	-1.0	-3.2	-4.7	2.6	**4.1**
2037	2038	1	167.7	167.7	100%	0.0	-0.6	-0.3	-0.9	-3.2	-4.7	2.6	**4.2**
2038	2039	1	167.7	167.7	100%	0.0	-0.6	-0.3	-0.9	-3.2	-4.7	2.6	**4.2**
2039	2040	1	167.7	167.7	100%	0.0	-0.6	-0.3	-0.9	-3.1	-4.7	2.6	**4.2**
2040	>>>>>	1	167.7	167.7	100%	0.0	0	0	0	0	0	0.0	**4.3**
LONG TERM			167.7	167.7	100%	0.0	0	0	0	-3	-4	3.0	**4.7**

Analysis shows reach impacts below 5% therefore no pumping reduction required at new place of use

GROUND-WATER RIGHTS TRANSFER SPREADSHEET

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE | IDAHO DEPA

Cells this color are set up for user entries



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

Additional Water Whitesides

YEAR: 1950

SEASON: SPRING

ENTER CELL LOCATIONS: 36-16310

	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	9	10		
COLUMN	28	29		

scale factor: 1

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL With Transfer AF/TRIMESTER	FROM1 WELL Without Transfer AF/TRIMESTER	FROM2 WELL With Transfer AF/TRIMESTER	FROM2 WELL Without Transfer AF/TRIMESTER	FROM3 WELL With Transfer AF/TRIMESTER	FROM3 WELL Without Transfer AF/TRIMESTER
SPR 1950	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1950	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1950	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1951	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1951	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1951	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1952	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1952	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1952	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1953	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1953	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1953	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1954	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1954	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1954	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1955	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1955	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1955	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1956	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1956	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1956	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1957	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1957	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1957	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1958	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1958	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1958	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1959	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1959	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1959	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1960	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1960	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1960	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1961	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1961	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1961	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1962	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1962	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1962	0.00	55.90	55.90	0.00	0.00	0.00	0.00

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL With Transfer AF/TRIMESTER	FROM1 WELL Without Transfer AF/TRIMESTER	FROM2 WELL With Transfer AF/TRIMESTER	FROM2 WELL Without Transfer AF/TRIMESTER	FROM3 WELL With Transfer AF/TRIMESTER	FROM3 WELL Without Transfer AF/TRIMESTER
SPR 1963	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1963	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1963	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1964	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1964	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1964	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1965	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1965	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1965	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1966	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1966	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1966	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1967	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1967	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1967	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1968	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1968	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1968	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1969	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1969	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1969	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1970	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1970	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1970	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1971	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1971	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1971	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1972	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1972	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1972	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1973	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1973	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1973	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1974	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1974	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1974	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1975	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1975	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1975	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1976	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1976	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1976	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1977	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1977	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1977	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1978	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1978	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1978	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1979	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1979	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1979	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1980	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1980	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1980	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1981	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1981	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1981	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1982	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1982	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1982	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1983	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1983	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1983	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1984	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1984	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1984	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1985	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1985	0.00	55.90	55.90	0.00	0.00	0.00	0.00

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL With Transfer AF/TRIMESTER	FROM1 WELL Without Transfer AF/TRIMESTER	FROM2 WELL With Transfer AF/TRIMESTER	FROM2 WELL Without Transfer AF/TRIMESTER	FROM3 WELL With Transfer AF/TRIMESTER	FROM3 WELL Without Transfer AF/TRIMESTER
WIN 1985	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1986	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1986	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1986	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1987	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1987	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1987	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1988	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1988	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1988	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1989	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1989	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1989	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1990	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1990	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1990	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1991	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1991	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1991	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1992	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1992	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1992	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1993	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1993	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1993	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1994	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1994	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1994	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1995	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1995	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1995	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1996	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1996	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1996	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1997	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1997	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1997	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1998	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1998	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1998	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 1999	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 1999	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 1999	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 2000	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 2000	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 2000	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 2001	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 2001	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 2001	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 2002	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 2002	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 2002	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 2003	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 2003	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 2003	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 2004	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 2004	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 2004	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 2005	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SUM 2005	0.00	55.90	55.90	0.00	0.00	0.00	0.00
WIN 2005	0.00	55.90	55.90	0.00	0.00	0.00	0.00
SPR 2006	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2006	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2006	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2007	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2007	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2007	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2008	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2008	55.90	0.00	55.90	0.00	0.00	0.00	0.00

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL With Transfer AF/TRIMESTER	FROM1 WELL Without Transfer AF/TRIMESTER	FROM2 WELL With Transfer AF/TRIMESTER	FROM2 WELL Without Transfer AF/TRIMESTER	FROM3 WELL With Transfer AF/TRIMESTER	FROM3 WELL Without Transfer AF/TRIMESTER
WIN 2008	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2009	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2009	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2009	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2010	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2010	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2010	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2011	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2011	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2011	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2012	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2012	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2012	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2013	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2013	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2013	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2014	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2014	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2014	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2015	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2015	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2015	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2016	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2016	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2016	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2017	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2017	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2017	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2018	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2018	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2018	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2019	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2019	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2019	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2020	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2020	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2020	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2021	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2021	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2021	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2022	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2022	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2022	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2023	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2023	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2023	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2024	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2024	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2024	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2025	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2025	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2025	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2026	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2026	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2026	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2027	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2027	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2027	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2028	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2028	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2028	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2029	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2029	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2029	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2030	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2030	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2030	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2031	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2031	55.90	0.00	55.90	0.00	0.00	0.00	0.00

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL With Transfer AF/TRIMESTER	FROM1 WELL Without Transfer AF/TRIMESTER	FROM2 WELL With Transfer AF/TRIMESTER	FROM2 WELL Without Transfer AF/TRIMESTER	FROM3 WELL With Transfer AF/TRIMESTER	FROM3 WELL Without Transfer AF/TRIMESTER
WIN 2031	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2032	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2032	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2032	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2033	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2033	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2033	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2034	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2034	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2034	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2035	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2035	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2035	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2036	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2036	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2036	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2037	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2037	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2037	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2038	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2038	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2038	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2039	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2039	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2039	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2040	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2040	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2040	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2041	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2041	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2041	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2042	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2042	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2042	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2043	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2043	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2043	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2044	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2044	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2044	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2045	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2045	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2045	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2046	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2046	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2046	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2047	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2047	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2047	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2048	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2048	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2048	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2049	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2049	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2049	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2050	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2050	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2050	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2051	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2051	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2051	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2052	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2052	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2052	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2053	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2053	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2053	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2054	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2054	55.90	0.00	55.90	0.00	0.00	0.00	0.00

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL With Transfer AF/TRIMESTER	FROM1 WELL Without Transfer AF/TRIMESTER	FROM2 WELL With Transfer AF/TRIMESTER	FROM2 WELL Without Transfer AF/TRIMESTER	FROM3 WELL With Transfer AF/TRIMESTER	FROM3 WELL Without Transfer AF/TRIMESTER
WIN 2054	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2055	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2055	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2055	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2056	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2056	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2056	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2057	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2057	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2057	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2058	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2058	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2058	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2059	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2059	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2059	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2060	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2060	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2060	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2061	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2061	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2061	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2062	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2062	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2062	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2063	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2063	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2063	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2064	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2064	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2064	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2065	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2065	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2065	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2066	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2066	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2066	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2067	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2067	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2067	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2068	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2068	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2068	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2069	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2069	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2069	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2070	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2070	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2070	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2071	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2071	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2071	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2072	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2072	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2072	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2073	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2073	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2073	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2074	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2074	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2074	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2075	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2075	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2075	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2076	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2076	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2076	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2077	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2077	55.90	0.00	55.90	0.00	0.00	0.00	0.00

TRIMESTER OF ACTIVITY	TO WELL Projected Use AF/TRIMESTER	FROM1 WELL With Transfer AF/TRIMESTER	FROM1 WELL Without Transfer AF/TRIMESTER	FROM2 WELL With Transfer AF/TRIMESTER	FROM2 WELL Without Transfer AF/TRIMESTER	FROM3 WELL With Transfer AF/TRIMESTER	FROM3 WELL Without Transfer AF/TRIMESTER
WIN 2077	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2078	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2078	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2078	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2079	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2079	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2079	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2080	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2080	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2080	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2081	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2081	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2081	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2082	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2082	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2082	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2083	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2083	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2083	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2084	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2084	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2084	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2085	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2085	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2085	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2086	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2086	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2086	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2087	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2087	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2087	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2088	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2088	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2088	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2089	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2089	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2089	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2090	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2090	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2090	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2091	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2091	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2091	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2092	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2092	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2092	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2093	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2093	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2093	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2094	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2094	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2094	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2095	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2095	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2095	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2096	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2096	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2096	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2097	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2097	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2097	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2098	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2098	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2098	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SPR 2099	55.90	0.00	55.90	0.00	0.00	0.00	0.00
SUM 2099	55.90	0.00	55.90	0.00	0.00	0.00	0.00
WIN 2099	55.90	0.00	55.90	0.00	0.00	0.00	0.00

Livestock Confinement Operations

Water Requirements and Consumptive Use Worksheet

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COMPLETE BLUE HIGHLIGHTED SECTIONS ONLY

Prepared for: Whitesides Dairy
Minidoka County
West Barn

Revision: B
Run Date: 5/26/2005

Remarks: Based on 2600 milkers
Assume milker production of 12mo within 14mo period (i.e. ~14% dry)

Herd Information - User Input

Number of milking cows	2138	Breed:	Large
Number of dry cows	374		
Number of other adult dry animals	0		

Calves at age:		Heifers at age:	
1 month	0	5 months	0
2 months	0	15 - 18 months	0
3 months	0	18 - 24 months	0
4 months	0		

ANIMAL INFORMATION
Use defaults or enter values if known

Average body weight	1400	lbs	Nearest weather station	Burley	
Milk fat percentage	3.7	%	Number of milkings/day	3	
Average days dry	52				
Annual milk yield per animal	25947	lbs/year	Check: Total herd size based on days dry	2625	
Percent dry matter in ration	90	%	HERD SIZE OK		

Lagoon Information - User Input

Lagoon Number	Top width	Top length	SS (h:v)	Max depth	Average depth factor	% days with water	Top Area	Bottom Area	Average Area
1	790	500	3	5	0.75	100	395000	375875	390219
2	100	350	3	4	0.5	100	35000	29744	32372
3	175	240	3	4	0.5	100	42000	37164	39582
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
						TOTAL ACRES	10.84	10.16	10.61

Facility Information - User Input

	Holding Pen 1	Holding Pen 2	
Holding pen active	0	0	(0 = not used or nonexistent)
Number of sprinklers in pen	0	0	
Average line pressure	20	20	psi
Sprinkler nozzle size - primary	5/32	5/32	inches
Sprinkler nozzle size - secondary	0	0	(enter 0 for single-nozzle sprinklers)
Daily operation time of sprinklers	400	400	minutes
Percent of days per year cows are washed	100	100	%

Number of free stalls	0	
Length of each free stall	1000	feet
Width of each free stall	50	feet

Is the feeding area flushed to lagoon?	Yes
Is this housing area flushed to lagoon?	Yes

	Barn	Feeding	Housing
Flushing recycle rate	0	0	0

CLEANING / FLUSHING VOLUMES
Use defaults or enter manufacturer volumes

Cleaning parlor floor	3000	gal	Cleaning pipeline	400	gal
Cleaning milkroom	200	gal	Cleaning equipment	200	gal
Cleaning bulk tank	400	gal			
Additional flush of holding pen (opt.)	0	gal			

Land Application Information - User Input

Type of system	Center Pivot	
Predominant cropping	Alfalfa	
Percent of waste water which goes to meet crop irrigation requirement	90	%

Stockwater Component

Drinking Water Calculation for Lactating Cows

4% fat-corrected milk yield	24779.39	lbs/year
Daily average FCM yield	79.17	lbs/day
Daily average milk yield	82.90	lbs/day
Estimated DMI	52.81	lbs/day

METHOD 1: Kertz

Estimated total water intake (TWI)	316.0	lbs/day or
	37.9	gal/day
As-fed feed daily intake	58.7	as-fed lb/day
Water content of feed	5.87	lb/day in feed
Drinking water intake	310.2	lb/day or
	37.2	gal/day
Drinking water requirement for lactating cows	79510	gal/day
	89.1	ac-ft/year
Maximum drinking water requirement	89.1	ac-ft/year

METHOD 2: Holter and Urban
Regression equation with DMI, milk production, and dry matter %

Drinking water intake	109.9	liters/day
	29.0	gal/day
	62090	gal/day
	69.6	ac-ft/year

Drinking Water Calculation for Dry Cows

Estimated DMI	26.6	lbs/day
Average drinking water intake	13	gal/day
Average drinking water requirement	4862	gal/day
	5.4	ac-ft/year

Drinking Water Calculation for Replacement Herd (Calves and Heifers)

Age	GPD	Ac-Ft/year
1 mo	0	0.00
2 mo	0	0.00
3 mo	0	0.00
4 mo	0	0.00
5 mo	0	0.00
15-18 mo	0	0.00
18-24 mo	0	0.00
Drinking water requirement for replacement herd	0 gpd	0.00 ac-ft/year

TOTAL STOCKWATER COMPONENT 94.5 AC-FT/YEAR

Commercial Component

Milking Parlor Water Usage Calculation

*Volume needed **per milking** in each parlor for:*

Cleaning parlor floor	3000 gal	Cleaning pipeline	400 gal
Cleaning milkroom	200 gal	Cleaning equipment	200 gal
Cleaning bulk tank	400 gal	Cleaning cows	1069 gal

Total milking parlor volume	15807	gal/day
Second milking parlor volume	0	gal/day
Recycled water	0	gal/day
	17.71	ac-ft/year

Holding Pen Water Usage Calculation

	Pen 1	Pen 2	
Output of primary nozzle	3.17	3.17	gpm
Output of secondary nozzle	0	0	gpm
Holding pen flushing volume	0	0	gal
Additional flush volume	0	0	gal
Sprinkler volume	0	0	gal/day
Total holding pen volume	0	0	gal/day
Recycled water	0	0	gal/day
	0.00	ac-ft/year	

Other Flushing Water Calculation

Daily volume needed for:

Feeding area flushing	2000	gal/day
Housing area flushing	2000	gal/day
Total other flushing volume	23000	gal/day
Recycled water	0	
	25.77	ac-ft/year

TOTAL COMMERCIAL COMPONENT 43.5 AC-FT/YEAR

Consumptive Use Calculation

A. Lagoon Evaporation

Annual reference ET (Allen & Brockway , 1983)	4.35	feet	
Annual open water coeff (Kohler Nordenson Fox)	0.90		
Annual open water (lagoon) evaporation	3.91	feet	
Manual override: Input annual lagoon evap		feet	
Total lagoon water surface area at full	472000	sq. ft.	
Total lagoon bottom area	442783	sq. ft.	
Average surface area when water is present	462173	sq. ft. =	10.61 ac
Total lagoon evaporation	41.51	ac-ft/year	

B. Animal usage: milk, metabolism, and excretion loss

	Milking	Dry	
Waste excretion volume per cow	1.3	1.3	ft^3/day/1000lb
Water content	87.5	88.4	%
Total water volume in excrement	25468	4501	gal/day
Percent of excrement flushed to lagoons	100	% (based on areas which are flushed)	
Consumptive use (evap.) of water in excrement	0	%	
Consumptive use (evap.) volume	0	gal/day	
Excrement c.u. attributable to drinking water	0	gal/day	
Total milk production - assume 100% leaves site	177235	lbs/day or	21251 gal/day
Water content of milk	18489	gal/day	
Water content attributable to drinking water	18145	gal/day	
Water use for animal metabolism	37420	gal/day	
Metabolism water attributable to drinking water	36725	gal/day	
Consumptive use - replacement herd (100%)	0	gal/day	
Total animal consumptive use from drinking water	54870	gal/day or	61.5 ac-ft/year
Percent of drinking water intake	65.0	%	

C. Parlor/holding pen cleanup

Average sprinkler washing system evap loss	2	%	
Free stall total area	0	sq. ft. =	0.00 acres
Length of time free stall concrete is wet	1	hr/day	
Average evaporation from wet concrete	0.15	in./day	
Sprinkler system loss volume	0.00	ac-ft/year	
Free stall evaporation volume	0.00	ac-ft/year	
Total cleanup loss	0.00	ac-ft/year	

D. Land application site

Crop evapotranspiration	3.04	ac-ft/ac/year
Irrigation diversion volume	3.80	ac-ft/ac/year
System efficiency	80	%
Waste water volume to lagoons	76.5	ac-ft/year
Waste water volume available for land application	35.0	ac-ft/year
Total crop consumptive use of waste water	25.2	ac-ft/year

Summary

Drinking Water

Milking herd	89.1	
Non-milking herd (dry cows)	5.4	
Replacement herd (calves and heifers)	0.0	
Total drinking water volume	94.5	ac-ft/year

Commercial

Milking parlor	17.71	
Holding pen and cleanup	0.0	
Other flushing water	25.77	
Total commercial volume	43.5	ac-ft/year
TOTAL DIVERSION VOLUME REQUIREMENT	138.0	AC-FT/YR

Consumptive Use

Lagoon evaporation	41.51		
Animal milk, excretion, & metabolism	61.5		
Parlor and holding pen cleanup	0.00		
Crop consumptive use on land application	25.2		
Total consumptive use	128.2	ac-ft/year	
Percent of diversion volume consumed	92.9	%	
Annual crop consumptive use - IDWR allowable	2.9	afa	(MINIDOKA DAM NOAA ET)
Equivalent irrigated acres	44.4	acres	
Diversion volume to acres conversion factor	**3.11**	**ac-ft/ac**	

Livestock Confinement Operations

Water Requirements and Consumptive Use Worksheet

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COMPLETE BLUE HIGHLIGHTED SECTIONS ONLY

Prepared for: Whitesides Dairy
Minidoka County
East Barn

Revision: B
Run Date: 5/26/2005

Remarks: Based on 2350 milkers, 175 springers, 650 3-4mo, 280 2-3mo, 600 1-2mo
Assume milker production of 12mo within 14mo period (i.e. ~14% dry)

Herd Information - User Input

Number of milking cows	1935
Number of dry cows	335
Number of other adult dry animals	175

Breed: Large

Calves at age:

1 month	300
2 months	440
3 months	465
4 months	325

Heifers at age:

5 months	0
15 - 18 months	0
18 - 24 months	0

ANIMAL INFORMATION
Use defaults or enter values if known

Average body weight	1400	lbs	Nearest weather station	Burley
Milk fat percentage	3.7	%	Number of milkings/day	3
Average days dry	52			
Annual milk yield per animal	25947	lbs/year	Check: Total herd size based on days dry	2351
Percent dry matter in ration	90	%	HERD SIZE OK	

Lagoon Information - User Input

Lagoon Number	Top width	Top length	SS (h:v)	Max depth	Average depth factor	% days with water	Top Area	Bottom Area	Average Area
1	150	300	2	5	0.5	100	45000	40600	42800
2	100	300	2	5	0.5	100	30000	26100	28050
3	50	200	2	4	0.5	100	10000	8064	9032
4	70	250	2	4	0.5	100	17500	15004	16252
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
						TOTAL ACRES	2.35	2.06	2.21

Facility Information - User Input

	Holding Pen 1	Holding Pen 2	
Holding pen active	**0**	**0**	(0 = not used or nonexistent)
Number of sprinklers in pen	0	0	
Average line pressure	20	20	psi
Sprinkler nozzle size - primary	5/32	5/32	inches
Sprinkler nozzle size - secondary	0	0	(enter 0 for single-nozzle sprinklers)
Daily operation time of sprinklers	400	400	minutes
Percent of days per year cows are washed	100	100	%

Number of free stalls	0	
Length of each free stall	1000	feet
Width of each free stall	50	feet

Is the feeding area flushed to lagoon?	Yes
Is this housing area flushed to lagoon?	Yes

	Barn	Feeding	Housing
Flushing recycle rate	0	0	0

CLEANING / FLUSHING VOLUMES
Use defaults or enter manufacturer volumes

Cleaning parlor floor	3000 gal	Cleaning pipeline	400 gal
Cleaning milkroom	200 gal	Cleaning equipment	200 gal
Cleaning bulk tank	400 gal		
Additional flush of holding pen (opt.)	0 gal		

Land Application Information - User Input

Type of system	Center Pivot
Predominant cropping	Alfalfa
Percent of waste water which goes to meet crop irrigation requirement	90 %

Stockwater Component

Drinking Water Calculation for Lactating Cows

4% fat-corrected milk yield	24779.39	lbs/year
Daily average FCM yield	79.17	lbs/day
Daily average milk yield	82.90	lbs/day
Estimated DMI	52.81	lbs/day

METHOD 1: Kertz

Estimated total water intake (TWI)	316.0	lbs/day or
	37.9	gal/day
As-fed feed daily intake	58.7	as-fed lb/day
Water content of feed	5.87	lb/day in feed
Drinking water intake	310.2	lb/day or
	37.2	gal/day
Drinking water requirement for lactating cows	71961	gal/day
	80.6	ac-ft/year
Maximum drinking water requirement	80.6	ac-ft/year

METHOD 2: Holter and Urban Regression equation with DMI, milk production, and dry matter %

Drinking water intake	109.9	liters/day
	29.0	gal/day
	56194	gal/day
	62.9	ac-ft/year

Drinking Water Calculation for Dry Cows

Estimated DMI	26.6	lbs/day
Average drinking water intake	13	gal/day
Average drinking water requirement	4355	gal/day
	4.9	ac-ft/year

Drinking Water Calculation for Replacement Herd (Calves and Heifers)

Age	GPD	Ac-Ft/year
1 mo	495	0.55
2 mo	858	0.96
3 mo	1139	1.28
4 mo	1056	1.18
5 mo	0	0.00
15-18 mo	0	0.00
18-24 mo	0	0.00
Drinking water requirement for replacement herd	3549 gpd	3.98 ac-ft/year

TOTAL STOCKWATER COMPONENT 89.5 AC-FT/YEAR

Commercial Component

Milking Parlor Water Usage Calculation

*Volume needed **per milking** in each parlor for:*

Cleaning parlor floor	3000 gal	Cleaning pipeline	400 gal
Cleaning milkroom	200 gal	Cleaning equipment	200 gal
Cleaning bulk tank	400 gal	Cleaning cows	967.5 gal

Total milking parlor volume	15502.5	gal/day
Second milking parlor volume	0	gal/day
Recycled water	0	gal/day
	17.37	ac-ft/year

Holding Pen Water Usage Calculation

	Pen 1	Pen 2	
Output of primary nozzle	3.17	3.17	gpm
Output of secondary nozzle	0	0	gpm
Holding pen flushing volume	0	0	gal
Additional flush volume	0	0	gal
Sprinkler volume	0	0	gal/day
Total holding pen volume	0	0	gal/day
Recycled water	0	0	gal/day
	0.00		ac-ft/year

Other Flushing Water Calculation

Daily volume needed for:

Feeding area flushing	2000	gal/day
Housing area flushing	2000	gal/day
Total other flushing volume	13500	gal/day
Recycled water	0	
	15.12	ac-ft/year

TOTAL COMMERCIAL COMPONENT 32.5 AC-FT/YEAR

Consumptive Use Calculation

A. Lagoon Evaporation

Annual reference ET (Allen & Brockway , 1983)	4.35 feet	
Annual open water coeff (Kohler Nordenson Fox)	0.90	
Annual open water (lagoon) evaporation	3.91 feet	
Manual override: Input annual lagoon evap	feet	
Total lagoon water surface area at full	102500 sq. ft.	
Total lagoon bottom area	89768 sq. ft.	
Average surface area when water is present	96134 sq. ft. =	2.21 ac
Total lagoon evaporation	8.63 ac-ft/year	

B. Animal usage: milk, metabolism, and excretion loss

	Milking	Dry	
Waste excretion volume per cow	1.3	1.3	ft^3/day/1000lb
Water content	87.5	88.4	%
Total water volume in excrement	23050	4032	gal/day
Percent of excrement flushed to lagoons	100	% (based on areas which are flushed)	
Consumptive use (evap.) of water in excrement	0	%	
Consumptive use (evap.) volume	0	gal/day	
Excrement c.u. attributable to drinking water	0	gal/day	
Total milk production - assume 100% leaves site	160407	lbs/day or	19233 gal/day
Water content of milk	16733	gal/day	
Water content attributable to drinking water	16422	gal/day	18.4 afa
Water use for animal metabolism	33863	gal/day	
Metabolism water attributable to drinking water	33235	gal/day	37.2afa
Consumptive use - replacement herd (100%)	3549	gal/day	4.0 afa
Total animal consumptive use from drinking water	53206	gal/day or	59.6 ac-ft/year
Percent of drinking water intake	69.7	%	

C. Parlor/holding pen cleanup

Average sprinkler washing system evap loss	2 %	
Free stall total area	0 sq. ft. =	0.00 acres
Length of time free stall concrete is wet	1 hr/day	
Average evaporation from wet concrete	0.15 in./day	
Sprinkler system loss volume	0.00 ac-ft/year	
Free stall evaporation volume	0.00 ac-ft/year	
Total cleanup loss	0.00 ac-ft/year	

D. Land application site

Crop evapotranspiration	3.04 ac-ft/ac/year
Irrigation diversion volume	3.80 ac-ft/ac/year
System efficiency	80 %
Waste water volume to lagoons	62.4 ac-ft/year
Waste water volume available for land application	53.7 ac-ft/year
Total crop consumptive use of waste water	38.7 ac-ft/year

Summary

Drinking Water

Milking herd	80.6	
Non-milking herd (dry cows)	4.9	
Replacement herd (calves and heifers)	4.0	
Total drinking water volume	89.5 ac-ft/year	

Commercial

Milking parlor	17.37	
Holding pen and cleanup	0.0	
Other flushing water	15.12	
Total commercial volume	32.5 ac-ft/year	
TOTAL DIVERSION VOLUME REQUIREMENT	122.0 AC-FT/YR	

Consumptive Use

Lagoon evaporation	8.63	
Animal milk, excretion, & metabolism	59.6	
Parlor and holding pen cleanup	0.00	
Crop consumptive use on land application	38.7	
Total consumptive use	106.9 ac-ft/year	
Percent of diversion volume consumed	87.7 %	
Annual crop consumptive use - IDWR allowable	2.9 afa	(MINIDOKA DAM NOAA ET)
Equivalent irrigated acres	37.0 acres	
Diversion volume to acres conversion factor	**3.30 ac-ft/ac**	

Livestock Confinement Operations

Water Requirements and Consumptive Use Worksheet

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COMPLETE BLUE HIGHLIGHTED SECTIONS ONLY

Prepared for: Whitesides Dairy
Minidoka County
New Barn

Revision: B
Run Date: 5/26/2005

Remarks: Based on 2600 milkers & 500 dry animals
Assume milker production of 12mo within 14mo period (i.e. ~14% dry)

Herd Information - User Input

Number of milking cows	2230
Number of dry cows	371
Number of other adult dry animals	500

Breed: Large

Calves at age:

1 month	0
2 months	0
3 months	0
4 months	0

Heifers at age:

5 months	0
15 - 18 months	0
18 - 24 months	0

ANIMAL INFORMATION
Use defaults or enter values if known

Average body weight	1400 lbs	Nearest weather station	Burley
Milk fat percentage	3.7 %	Number of milkings/day	3
Average days dry	52		
Annual milk yield per animal	25947 lbs/year	Check: Total herd size based on days dry	2604
Percent dry matter in ration	90 %	HERD SIZE OK	

Lagoon Information - User Input

Lagoon Number	Top width	Top length	SS (h:v)	Max depth	Average depth factor	% days with water	Top Area	Bottom Area	Average Area
1	465	1046	2	5	1	100	486390	471380	486390
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
						TOTAL ACRES	11.17	10.82	11.17

Facility Information - User Input

	Holding Pen 1	Holding Pen 2	
Holding pen active	**0**	**0**	(0 = not used or nonexistent)
Number of sprinklers in pen	0	0	
Average line pressure	20	20	psi
Sprinkler nozzle size - primary	5/32	5/32	inches
Sprinkler nozzle size - secondary	0	0	(enter 0 for single-nozzle sprinklers)
Daily operation time of sprinklers	400	400	minutes
Percent of days per year cows are washed	100	100	%

Number of free stalls	8	
Length of each free stall	710	feet
Width of each free stall	50	feet

Is the feeding area flushed to lagoon?	Yes
Is this housing area flushed to lagoon?	Yes

	Barn	Feeding	Housing
Flushing recycle rate	0	0	0

CLEANING / FLUSHING VOLUMES
Use defaults or enter manufacturer volumes

Cleaning parlor floor	3000	gal	Cleaning pipeline	400	gal
Cleaning milkroom	200	gal	Cleaning equipment	200	gal
Cleaning bulk tank	400	gal			
Additional flush of holding pen (opt.)	0	gal			

Land Application Information - User Input

Type of system	Center Pivot
Predominant cropping	Alfalfa

Percent of waste water which goes to meet crop irrigation requirement	90	%

Stockwater Component

Drinking Water Calculation for Lactating Cows

4% fat-corrected milk yield	24779.39	lbs/year
Daily average FCM yield	79.17	lbs/day
Daily average milk yield	82.90	lbs/day
Estimated DMI	52.81	lbs/day

METHOD 1: Kertz

Estimated total water intake (TWI)	316.0	lbs/day or
	37.9	gal/day
As-fed feed daily intake	58.7	as-fed lb/day
Water content of feed	5.87	lb/day in feed
Drinking water intake	310.2	lb/day or
	37.2	gal/day
Drinking water requirement for lactating cows	82932	gal/day
	92.9	ac-ft/year
Maximum drinking water requirement	92.9	ac-ft/year

METHOD 2: Holter and Urban
Regression equation with DMI, milk production, and dry matter %

Drinking water intake	109.9	liters/day
	29.0	gal/day
	64761	gal/day
	72.5	ac-ft/year

Drinking Water Calculation for Dry Cows

Estimated DMI	26.6	lbs/day
Average drinking water intake	13	gal/day
Average drinking water requirement	4823	gal/day
	5.4	ac-ft/year

Drinking Water Calculation for Replacement Herd (Calves and Heifers)

Age	GPD	Ac-Ft/year
1 mo	0	0.00
2 mo	0	0.00
3 mo	0	0.00
4 mo	0	0.00
5 mo	0	0.00
15-18 mo	0	0.00
18-24 mo	0	0.00
Drinking water requirement for replacement herd	0 gpd	0.00 ac-ft/year

TOTAL STOCKWATER COMPONENT 98.3 AC-FT/YEAR

Commercial Component

Milking Parlor Water Usage Calculation

*Volume needed **per milking** in each parlor for:*

Cleaning parlor floor	3000 gal	Cleaning pipeline	400 gal
Cleaning milkroom	200 gal	Cleaning equipment	200 gal
Cleaning bulk tank	400 gal	Cleaning cows	1115 gal

Total milking parlor volume	15945	gal/day
Second milking parlor volume	0	gal/day
Recycled water	0	gal/day
	17.86	ac-ft/year

Holding Pen Water Usage Calculation

	Pen 1	Pen 2	
Output of primary nozzle	3.17	3.17	gpm
Output of secondary nozzle	0	0	gpm
Holding pen flushing volume	0	0	gal
Additional flush volume	0	0	gal
Sprinkler volume	0	0	gal/day
Total holding pen volume	0	0	gal/day
Recycled water	0	0	gal/day
	0.00		ac-ft/year

Other Flushing Water Calculation

Daily volume needed for:

Feeding area flushing	2000	gal/day
Housing area flushing	2000	gal/day
Total other flushing volume	46000	gal/day
Recycled water	0	
	51.53	ac-ft/year

TOTAL COMMERCIAL COMPONENT 69.4 AC-FT/YEAR

Consumptive Use Calculation

A. Lagoon Evaporation

Annual reference ET (Allen & Brockway , 1983)	4.35	feet	
Annual open water coeff (Kohler Nordenson Fox)	0.90		
Annual open water (lagoon) evaporation	3.91	feet	
Manual override: Input annual lagoon evap		feet	
Total lagoon water surface area at full	486390	sq. ft.	
Total lagoon bottom area	471380	sq. ft.	
Average surface area when water is present	486390	sq. ft. =	11.17 ac
Total lagoon evaporation	43.69	ac-ft/year	

B. Animal usage: milk, metabolism, and excretion loss

	Milking	Dry	
Waste excretion volume per cow	1.3	1.3	ft^3/day/1000lb
Water content	87.5	88.4	%
Total water volume in excrement	26564	4465	gal/day
Percent of excrement flushed to lagoons	100	% (based on areas which are flushed)	
Consumptive use (evap.) of water in excrement	0	%	
Consumptive use (evap.) volume	0	gal/day	
Excrement c.u. attributable to drinking water	0	gal/day	
Total milk production - assume 100% leaves site	184862	lbs/day or	22166 gal/day
Water content of milk	19284	gal/day	
Water content attributable to drinking water	18926	gal/day	
Water use for animal metabolism	39012	gal/day	
Metabolism water attributable to drinking water	38287	gal/day	
Consumptive use - replacement herd (100%)	0	gal/day	
Total animal consumptive use from drinking water	57213	gal/day or	64.1 ac-ft/year
Percent of drinking water intake	65.2	%	

C. Parlor/holding pen cleanup

Average sprinkler washing system evap loss	2	%	
Free stall total area	284000	sq. ft. =	6.52 acres
Length of time free stall concrete is wet	1	hr/day	
Average evaporation from wet concrete	0.15	in./day	
Sprinkler system loss volume	0.00	ac-ft/year	
Free stall evaporation volume	1.24	ac-ft/year	
Total cleanup loss	1.24	ac-ft/year	

D. Land application site

Crop evapotranspiration	3.04	ac-ft/ac/year
Irrigation diversion volume	3.80	ac-ft/ac/year
System efficiency	80	%
Waste water volume to lagoons	102.4	ac-ft/year
Waste water volume available for land application	58.7	ac-ft/year
Total crop consumptive use of waste water	42.2	ac-ft/year

Summary

Drinking Water

Milking herd	92.9	
Non-milking herd (dry cows)	5.4	
Replacement herd (calves and heifers)	0.0	
Total drinking water volume	98.3	ac-ft/year

Commercial

Milking parlor	17.86	
Holding pen and cleanup	0.0	
Other flushing water	51.53	
Total commercial volume	69.4	ac-ft/year
TOTAL DIVERSION VOLUME REQUIREMENT	167.7	AC-FT/YR

Consumptive Use

Lagoon evaporation	43.69		
Animal milk, excretion, & metabolism	64.1		
Parlor and holding pen cleanup	1.24		
Crop consumptive use on land application	42.2		
Total consumptive use	151.3	ac-ft/year	
Percent of diversion volume consumed	90.2	%	
Annual crop consumptive use - IDWR allowable	2.9	afa	(MINIDOKA DAM NOAA ET)
Equivalent irrigated acres	52.3	acres	
Diversion volume to acres conversion factor	**3.20**	**ac-ft/ac**	

REAL ESTATE SALES AGREEMENT
Between
THE GEORGE D. AND MARJORIE J. WHITESIDES FAMILY TRUST
And
MOUNTAIN VIEW LAND LIMITED PARTNERSHIP

EXECUTION COPY

Prepared by
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REAL ESTATE SALES AGREEMENT
Between
THE GEORGE D. AND MARJORIE J.
WHITESIDES FAMILY TRUST
And
MOUNTAIN VIEW LAND
LIMITED PARTNERSHIP

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REAL ESTATE SALES AGREEMENT

THIS REAL ESTATE SALES AGREEMENT (hereinafter referred to as the "Agreement") is made and entered into effective the 1st day of December, 1997, by and between Marjorie J. Whitesides as Trustee of the George D. and Marjorie J. Whitesides Family Trust (hereinafter referred to as the "Seller"), and Mountain View Land Limited Partnership, an Idaho limited partnership (hereinafter referred to as the "Buyer").

RECITALS

WHEREAS, Seller is the owner of certain real property located in Minidoka County, Idaho, more fully described in Exhibit "A", Description of Property, attached hereto and incorporated herein (hereinafter referred to as the "Property").

WHEREAS, Buyer desires to buy the Property from Seller who desires to sell the Property to Buyer.

AGREEMENT

NOW THEREFORE, in consideration of the mutual covenants contained herein, the parties hereto do hereby mutually covenant and agree as follows:

SECTION 1: PURCHASE AND SALE

A. Purchase And Sale. Subject to the terms and conditions set forth in this Agreement, and the fulfillment of all conditions precedent contained herein, Seller agrees to sell, transfer and deliver and Buyer agrees to purchase, the Property.

B. Purchase Price. The aggregate purchase price of the Property shall be three hundred eight thousand four hundred dollars ($308,400.00) (hereinafter referred to as the "Purchase Price").

SECTION 2: PAYMENT AND DELIVERY

The Purchase Price shall be paid by Buyer to Seller as follows:

A. Down Payment. Buyer shall, make a cash down payment to Seller in the amount of twenty-five thousand dollars ($25,000.00) payable by certified or cashier's check on or before December 20, 1997..

B. Installment Payments. The remaining two hundred eighty-three thousand four hundred dollars ($283,400.00) shall be paid as provided in the Promissory Note, attached hereto and incorporated herein as Exhibit B, which shall be delivered to the Seller at the Closing, as defined hereunder.

SECTION 3: CLOSING

A. Location. The closing of the transaction contemplated by this Agreement shall take place in such place which may be mutually agreed upon by the Parties (hereinafter referred to as the "Closing").

B. Closing Date. The Closing shall occur within ten days following the execution of this Agreement by Seller and Buyer (the "Closing Date").

C. Documents To Be Delivered. Prior to Closing, Seller shall deliver to Buyer the following documents:

i. copies of all tax assessments or liens on the Property;

ii. copies of the results of or reports on and surveys performed on the Property;

iii. copies of any appraisals on the property;

iv. a preliminary title report from a title company at Buyer's choosing.

At Closing, Seller shall deliver to Buyer the Warranty Deed, attached hereto and incorporated herein as Exhibit "C", duly executed and acknowledged, conveying to Buyer, or an entity of Buyer's choosing, the fee simple interest in the Property.

D. Closing Costs. Taxes, assessments, and other charges or items shall be the responsibility of Buyer (unless expressly provided otherwise). Buyer shall pay that portion of all taxes, assessments and other costs relating to the property for the pro rata period prior to Closing. If the amounts of taxes and assessments are not known at the time of Closing, they shall be estimated on the basis of the previous year. The provisions of this paragraph shall survive the Closing.

SECTION 4: CONDEMNATION OR CASUALTY

In the event of any eminent domain or condemnation action before or on the Closing Date, at Buyer's option, Buyer may (i) terminate this Agreement which will cancel all of Buyer's obligations to Seller; or (ii) continue with the purchase by having Seller transfer the Property less any portion of the Property taken by eminent domain or condemnation or conveyed in lieu thereof, assigning to Buyer all of Seller's interest in any proceeds or awards that may thereafter be made for any taking or condemnation and the Purchase Price shall be reduced by the amount of such proceeds or awards collected and retained by Seller prior to the Closing Date.

SECTION 5: MUTUAL COOPERATION

Seller shall convey or have conveyed good and marketable title to the Property to Buyer in fee simple. Seller shall take such further action as is necessary to put Buyer in actual possession and ownership of the Property as necessary. From time to time and at Buyer's request and without further consideration, Seller agrees to execute and deliver at Seller's expense such other instruments of conveyance and transfer and take such other action as Buyer reasonably may require to more effectively convey, transfer to, and vest title in Buyer.

SECTION 6: REPRESENTATIONS, COVENANTS, AND WARRANTIES OF SELLER

A. Title To The Property. Seller represents and warrants that Seller presently has, and shall at Closing have, good and marketable fee simple title to the property identified in Exhibit "A", free and clear of any and all liens or encumbrances on the Property or any portion thereof other than those specifically set forth therein.

B. No Claims. Seller warrants and covenants that there are no environmental or other violation concerning the property which will not be remedied prior to Closing, and at the Closing the property, including the improvements to be constructed thereon, will be in compliance with all building codes, zoning requirements, and other requirements.

SECTION 7: CONDITIONS PRECEDENT TO CLOSING

Buyer's obligations to purchase the Property, to close hereunder and all Buyer's obligations hereunder are subject to the following conditions precedent being met:

A. Buyer has had the opportunity to inspect the property and make a reasonable determination the property is as was represented by Seller.

B. The preliminary title report indicates there are no liens, claims or encumbrances to the title of the Property.

C. All Property taxes or assessments of any kind owed for the Property, for 1997 and any unpaid taxes or assessments for any previous years do not exceed $_____.

SECTION 8: REPRESENTATIONS, COVENANTS, AND WARRANTIES OF BUYER

A. Organization. Buyer is and shall be at Closing, a limited partnership duly organized, validly existing, and in good standing under the laws of the State of Idaho, has the appropriate

power, properties and assets to carry on its business in all material respects as it is now being conducted.

B. Authority. Buyer has the full power, authority, and legal right, and has taken, or will take, all action required by its articles of incorporation, bylaws, or otherwise, to enter into this Agreement and to carry out the transactions contemplated herein. Buyer has duly authorized the execution, delivery, and performance of this Agreement, and such execution, delivery, and performance does not, and the consummation of the transaction contemplated by this Agreement in accordance with the terms hereof will not, violate any provision of Buyer's organizational documents.

C. No Conflict With Other Instruments. The execution of this Agreement shall not violate or breach any document, instrument, agreement, contract, or commitment material to the business of Buyer to which Buyer is a party.

SECTION 9: LIFE ESTATE

Seller shall convey the Property to Buyer subject to a life estate in Marjorie J. Whitesides to the residential home located on the Property at 719 East 700 North, Rupert, Idaho. Upon the death of Marjorie J. Whitesides, said residential home shall revert to the Buyer.

SECTION 10: GENERAL PROVISIONS

A. Headings. All headings set forth in this Agreement are intended for convenience only and shall not control or affect the meaning, construction or intent of this Agreement of any provision thereof.

B. Gender. As used herein, all pronouns shall include the masculine, feminine, neuter, singular and plural thereof, wherever the context and facts require such construction.

C. Severability. In the event any provision of this Agreement shall be held invalid or unenforceable according to law, such holding or action shall not invalidate or render unenforceable any other provision hereof.

D. Exhibits. Each Exhibit attached hereto shall be incorporated into and be a part of this Agreement.

E. Benefit and Obligation. This Agreement shall be binding upon and shall inure to the benefit of the legal representatives, successors, and assigns of the parties hereto.

F. Counterparts. This Agreement may be executed in counterparts, each of which shall be an original, but all of which shall constitute one and the same instrument.

G. Notices. Any notice required to be sent to the parties hereunder may be hand delivered or sent to them by facsimile transmission, by express courier, or by certified or registered mail at the addresses shown below, or to such other addresses specified in writing:

If To Seller:
The George D. and Marjorie J.
Whitesides Family Trust
c/o Steven R. Whitesides
719 East 700 North
Rupert, Idaho 83350

With a copy to:
Travis L. Bowen, Esq.
Travis L. Bowen, P.C.
175 South West Temple, Suite 710
P.O. Box 11637
Salt Lake City, Utah 84147-0637

If To Buyer:
Mountain View Land
Limited Partnership
719 East 700 North
Rupert, Idaho 83350

With a Copy to:
Travis L. Bowen, Esq.
Travis L. Bowen, P.C.
175 South West Temple, Suite 710
P.O. Box 11637
Salt Lake City, Utah 84147-0637

H. Entire Agreement. This Agreement contains the final and entire agreement among the parties hereto with respect to this Agreement.

I. Amendments. This Agreement may not be amended nor may any rights hereunder be waived except by an instrument in writing signed by the parties hereto.

J. Time of Essence. The parties hereto expressly agree that time shall be of the essence in the performance of all obligations under this Agreement.

K. Governing Law and Jurisdiction. This Agreement, and the application or interpretation thereof, shall be governed exclusively by its terms and by the laws of the State of Idaho. The parties agree that in any action relating to or arising from this agreement, the State of Idaho of is hereby designated as the proper jurisdiction and venue to hear such action. The parties hereby agree to bring any such action before the Courts in the

State of Idaho and, in addition, to submit themselves to the jurisdiction of the Courts in the State of Idaho.

L. Binding Agreement. Except as herein otherwise specifically provided, this Agreement shall be binding upon the parties hereunto, their successors, heirs, devisees, assigns, legal representatives, executors and administrators.

M. Attorneys' Fees. The parties agree that should any party default in or be in breach of any of the covenants, agreements, or warranties herein contained, the non-defaulting parties or the non-breaching parties (or in the event litigation was commenced the prevailing party) shall be entitled to all costs and expenses, including reasonable attorneys' and expert witness' fees, (whether an action has been commenced or not) which may arise or accrue from enforcing any of the terms of this Agreement or terminating this Agreement, or in pursuing any remedy provided hereunder or by applicable law (whether before or after judgement).

N. No Presumption. Should any provision of this Agreement require judicial interpretations, the Court interpreting or consulting the same shall not apply a presumption that the terms hereof shall be more strictly construed against one party, by reason of the rule of construction that a document is to be construed more strictly against the party who itself or through its agents prepared the same, it being acknowledged that both parties have participated in the preparation hereof.

IN WITNESS WHEREOF, the Parties have hereunto set their hands and seals this 8 day of December, 1997.

SELLER:

THE GEORGE D. AND MARJORIE J. WHITESIDES FAMILY TRUST

Marjorie J. Whitesides

Marjorie J. Whitesides, Trustee

BUYER:

MOUNTAIN VIEW LAND LIMITED PARTNERSHIP

Steven R. Whitesides

Steven R. Whitesides,
Co-Operating Manager of
S & B Management, L.C.,
General Partner

Brent Whitesides

Brent Whitesides,
Co-Operating Manager of
S & B Management, L.C.,
General Partner

EXHIBIT A

DESCRIPTION OF PROPERTY

EXHIBIT A

DESCRIPTION OF PROPERTY

The legal description of the Property be purchased is as follows:

Farm Unit A Tract A of the North Side Pumping Division of the Minidoka Project, (as shown on plat dated July 10, 1957, filed in the office of the County Recorder, Minidoka County, Idaho.), in Sections 21 and 22, Township 8 South, Range 25 East of the Boise Meridian, Minidoka County, Idaho.

EXCEPTING THEREFROM the following described property:

Beginning at the Northeast corner of said Farm Unit A, Tract A (Corner No.1) of said Section 22; Thence North 88°57'00" West (Basis of Bearing) along the North section line of said Section 22 for 131.93 feet to a point, which point shall be known as the True Point of Beginning; Thence South 1°03'00" West for 208.71 feet; Thence North 88°57'00" West for 208.71 feet; Thence North 1°03'00" East for 208.71 feet to a point on the North section line of said Section 22; Thence South 88°57'00" East along said North section line for 208.71 feet to the True Point of Beginning.

ALSO EXCEPTING THEREFROM, the following described property:

That part of Farm Unit A, Tract A of the North Side Pumping Division of the Minidoka Project, Idaho (as shown by plat, dated July 10, 1957, on file in the office of the County Recorder, Minidoka County, Idaho), more particularly described as follows:
Beginning at the Northeast corner of Tract A in Section 22 of Township 8 South, Range 25 East, Boise Meridian, said corner marked by a 5/8" rebar on top of a U.S. Reclamation Service pipe with brass cap which shall be THE POINT OF BEGINNING; Thence South 1°45'45" West (South 1°47' West rec.) along the East side of Tract A for 487.23 feet to a 1/2" rebar; Thence North 89°50'04" West for 1051.58 feet to a 1/2" rebar; Thence North 1°31'19" East for 503.44 feet to a P.K. Nail on section line; Thence South 88°57'00" East along the section line for 712.73 feet to a P.K. Nail; Thence South 1°03'00" West for 208.71 feet to a point; Thence South 88°57'00" East for 208.71 feet to a point, Thence North 1°03'00" East for 208.71 feet to a P.K. Nail on section line; Thence South 88°57'00" East along section line for 131.93 feet to THE POINT OF BEGINNING.

EXCEPTIONS TO TITLE

SUBJECT TO a life estate in Marjorie J. Whitesides to the residential home located on the Property at ~~719~~ 709 East 700 North, Rupert, Idaho.

EXHIBIT B

PROMISSORY NOTE

$283,400.00

Dated: December 1, 1997

PROMISSORY NOTE

FOR VALUE RECEIVED, Mountain View Land Limited Partnership, an Idaho limited partnership (hereinafter referred to as the "Maker"), promises to pay to the order of Marjorie J. Whitesides as Trustee of the George D. and Marjorie J. Whitesides Family Trust (hereinafter referred to as the "Holder") two hundred eighty-three thousand dollars ($283,400.00).

1. **Payments.** The principal on the obligation represented hereby shall be repaid in installments of $25,000.00 on the 15th day of December of each year, commencing the 15th day of December, 1998, with the entire unpaid principal paid in full on or before the 15th day of December, 2028.

2. **Interest.** The obligation shall bear simple interest which shall be at the rate of seven percent (7%) per annum, compounded annually, payable on the 15th day of December each year, commencing the 15th day of December, 1997, with the entire unpaid interest payable on or before the 15th day of December, 2028.

3. **Type and Place of Payments.** Payments of principal and interest shall be made in lawful money of the United States of America to the above-named Holder, to any future holder or to any assignee hereof.

4. **Prepayment.** Advance payment or payments may be made on the principal, without penalty or forfeiture. There shall be no penalty for any prepayment.

5. **Default.** Upon the occurrence or during the continuance of any one or more of the events hereinafter enumerated, the Holder or any future holder of this Note may forthwith or at any time thereafter during the continuance of any such event, by notice in writing to the Maker, declare the unpaid balance of the principal and interest on the Note to be immediately due and payable, and the principal and interest shall become and shall be immediately due and payable without presentation, demand, protest, notice of protest, or other notice of dishonor, all of which are hereby expressly waived by the Maker, such events being as follows:

(a) Default in the payment of the principal and interest of this Note or any portion thereof when the same shall become due and payable, whether at maturity as herein expressed, by acceleration, or otherwise, unless cured within thirty (30) days after notice thereof by Holder or any future holder of such Note to Maker.

(b) Maker shall file a voluntary petition of bankruptcy or a voluntary petition seeking reorganization, or shall file an answer admitting the jurisdiction of the court and any material allegations of an involuntary petition filed pursuant

to any act of Congress relating to bankruptcy or to any act purporting to be amendatory thereof, or shall be adjudicated bankrupt, or shall make an assignment for the benefit of creditors, or shall apply for or consent to the appointment of any receiver or trustee for Maker, or of all or any substantial portion of its property, or Maker shall make an assignment to an agent authorized to liquidate any substantial part of its assets; or

(c) An order shall be entered pursuant to any act of Congress relating to bankruptcy or to any act purporting to be amendatory thereof approving an involuntary petition seeking reorganization of the Maker, or an order of any court shall be entered appointing any receiver or trustee of or for Maker, or any receiver of trustee of all or any substantial portion of the property of Maker, or a writ or warrant of attachment or any similar process shall be issued by any court against all or any substantial portion of the property of Maker, and such order approving a petition seeking reorganization or appointing a receiver or trustee is not vacated or stayed, or such writ, warrant of attachment, or similar process is not released or bonded within sixty (60) days after its entry or levy.

6. Attorneys' Fees. If this Note is placed with an attorney for collection, or if suit be instituted for collection, or if any other remedy permitted by law is pursued by Holder, or any future holder, because of any default in the terms and conditions herein, then in such event, the Maker agrees to pay reasonable attorneys' fees, costs, and other expenses incurred by Holder in so doing.

7. Construction. This Note shall be governed by and construed in accordance with the laws of the State of Idaho.

8. Recourse. No provision of this Note shall alter or impair the obligation of the Maker which is personal, absolute and unconditional, to pay the principal of and interest on this Note at the times, place, and rate, and in the coin or currency, herein prescribed.

DATED this 8 day of December, 1997.

MAKER:

MOUNTAIN VIEW LAND LIMITED PARTNERSHIP

Steven R. Whitesides,
Co-Operating Manager of
S & B Management, L.C.,
General Partner

Brent Whitesides,
Co-Operating Manager of
S & B Management, L.C.,
General Partner

120197

HOLDER'S ACCEPTANCE OF PROMISSORY NOTE

By signature below, Marjorie J. Whitesides as Trustee of the George D. and Marjorie J. Whitesides Family Trust hereby accepts the foregoing Promissory Note as evidence of debt owed to Marjorie J. Whitesides as Trustee of the George D. and Marjorie J. Whitesides Family Trust and accepts the terms and payment schedule as set forth therein.

HOLDER:

THE GEORGE D. AND MARJORIE J. WHITESIDES FAMILY TRUST

Marjorie J. Whitesides, Trustee

EXHIBIT C

WARRANTY DEED

Send Recorded Deed To:
Law Office of Travis L. Bowen, P.C.
P. O. Box 11637
Salt Lake City, UT 84147-0637

Mail Tax Notice To:
Mountain View Land Limited Partnership
719 East 700 North
Rupert, ID 83350

Property Identified As: Dairy Farm
Property Located At: 719 East 700 North, Rupert, Idaho 83350

WARRANTY DEED

For Value Received, The George D. and Marjorie J. Whitesides Family Trust, by its Trustees, hereinafter called the Grantor, hereby remises, releases and forever warrants unto Mountain View Land Limited Partnership, at 719 East 700 North, Rupert, Idaho, 83350, hereinafter called the Grantee, the following premises, in Minidoka County, State of Idaho, to-wit:

Farm Unit A Tract A of the North Side Pumping Division of the Minidoka Project, (as shown on plat dated July 10, 1957, filed in the office of the County Recorder, Minidoka County, Idaho.), in Sections 21 and 22, Township 8 South, Range 25 East of the Boise Meridian, Minidoka County, Idaho.

EXCEPTING THEREFROM the following described property:

Beginning at the Northeast corner of said Farm Unit A, Tract A (Corner No.1) of said Section 22; Thence North 88°57'00" West (Basis of Bearing) along the North section line of said Section 22 for 131.93 feet to a point, which point shall be known as the True Point of Beginning; Thence South 1°03'00" West for 208.71 feet; Thence North 88°57'00" West for 208.71 feet; Thence North 1°03'00" East for 208.71 feet to a point on the North section line of said Section 22; Thence South 88°57'00" East along said North section line for 208.71 feet to the True Point of Beginning.

ALSO EXCEPTING THEREFROM, the following described property:

That part of Farm Unit A, Tract A of the North Side Pumping Division of the Minidoka Project, Idaho (as shown by plat, dated July 10, 1957, on file in the office of the County Recorder, Minidoka County, Idaho), more particularly described as follows:

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SUBJECT TO a life estate by Marjorie J. Whitesides to the residential home located on the Property at 719 East 700 North, Rupert, Idaho.

To have and to hold the said premises, with their appurtenances, unto said Grantee and the Grantee's assigns forever.

Dated this 8 day of December, 19 97.

GRANTOR:

THE GEORGE D. AND MARJORIE J. WHITESIDES FAMILY TRUST

Marjorie J. Whitesides

Marjorie J. Whitesides, Trustee

Witness

Witness

120197

State of Idaho)
) ss.
County of Minidoka)

On this 8 day of December, 1997, before me, a Notary Public in and for said State, personally appeared Marjorie J. Whitesides, known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me by Steven R. Whitesides and Brent Whitesides that she executed the same as Trustee of The George D. and Marjorie J. Whitesides Family Trust.

Notary Public
Residing in: Rupert
My Commission
Expires: 5-12-03

120197