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WATER RESOURCES
WESTERN REGION

Dan Nelson
IDWR
Southwest Regional Office
May 26, 2004

RE: Additional information regarding Applications for Transfer numbers 71130 and 71131.

Dear Mr. Nelson,

Your letter of May 18 requests information to be considered when reviewing the above referenced Applications. This letter and the attached documents will attempt to provide all the information that is required. As you recall, the two transfers essentially dry up irrigated land on the Ed Van Grouw Dairy and change the place of use and nature of use of the water rights to stockwater and commercial use on Ed's and Dan's respective dairies. Each of the issues will be addressed for both transfers in this one document.

1. Injury to other water users: Information relating to the issue of "Injury to other water users" falls into two categories, one dealing with the effect on neighboring wells, the other relating to the appropriate disposal of dairy wastes so as not to contaminate groundwater.

On the question of injury to the aquifer, the relevant data is as follows:

1. There are 91 domestic wells and 2 irrigation wells within a slightly greater than 1 mile radius from the Dan Van Grouw Dairy.
2. There are 15 domestic wells and 1 irrigation well in a slightly greater than 1 mile radius from the Ed Van Grouw Dairy. (see attached maps).
3. The two transfers, taken together, reduce demand on the aquifer near the Ed Van Grouw Dairy, (area around T01N,R01E, sec 16), and increase demand approximately 12 miles Northwest in the area around the Dan Van Grouw Dairy. (T03N, R01W, sec 33).
4. The amount of increased demand around section 33 is in the amount of .78cfs and 92 afa.
5. The Dan Van Grouw Dairy was built and began operation in 1993. At the time the dairy commenced operations, there were in existence about 41 domestic wells and 2 irrigation wells in the vicinity. There has been rapid growth and development in the area, with 50 new domestic wells drilled in the past 10 years.
6. The USGS monitors two wells within the one-mile radius of the Dan Van Grouw Dairy, and numerous other wells in the vicinity. The two wells marked on the map have been monitored regularly, and data is recorded. See the attached "Ground-water levels for Idaho".
7. The data shows a stable water level at most wells in the area, particularly during the irrigation season, and usually rising since 1996. The dairy, and the additional 50 domestic wells drilled since 1993, have had no appreciable effect on the water table during the past 10 years. One well (02N01W-7BBC1) has been measured frequently each year since 1954 (over 1300 observations) and remains within 5' of the level recorded in 1954.

Several conclusions may be drawn from these relevant facts:

1. The Applications for transfer will not affect groundwater levels (and consequently, neighboring wells) in the vicinity of the Ed Van Grouw Dairy because demand is being moved from that area to an area 12 miles to the northwest.
2. The Applications for transfer will increase demand in the area of the Dan Van Grouw Dairy by .78 cfs and 92 afa. Because the Dan Van Grouw Dairy has been operating at the projected capacity since 2000, and because there is ample evidence that the depth to water has not changed significantly in the past 50 years, this transfer will have no effect on water levels in the aquifer.

The second area of concern for injury to neighbors is in the area of disposal of wastewater. Dairies are subject to the Clean Water Act as enforced by the Idaho Department of Agriculture. The Department has adopted a "Zero Discharge" Policy, which means that it is illegal to discharge wastewater into either the surface or the groundwater of the State of Idaho. The dairies are regularly inspected, and are required to have a Nutrient Management Plan, which explains how the dairy will comply with the Clean Water Act requirements. Copies of the Nutrient Management Plans for each dairy are attached.

2. Local Public Interest: Both dairies operate in Ada County, and are governed by the Ada County zoning ordinance, which reads as follows:

Chapter 8-5-3.62.A.4

"Existing facilities with more than 230 animal units shall have the option to register their facility with the Ada County Development Services Department by 1 year after the effective date of this Title. The purpose of the registration is to establish the property boundaries and the operating capacity of the livestock confinement facility. Operating capacity shall be either the historic maximum animal units or the maximum design capacity (in animal units) of the facility, whichever number is greater. Existing facilities that register shall be allowed up to a 30 percent increase in the registered operating capacity without master site plan or conditional use approval."

The Ed Van Grouw Dairy did register with Ada County P&Z within the required year, and a copy of the registration, which I filed on his behalf in June of 2001, is attached.

The Dan Van Grouw Dairy did not register, but has not expanded since the Ada county zoning ordinance came into effect in 2001, nor does it anticipate further expansion. A letter from the Ada County development services indicating the dairies' current conformity to the zoning ordinance is attached.

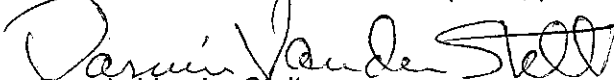
Both dairies are currently producing and selling milk and possess the Grade A milk marketing license. Both are regularly inspected and are in full compliance with all state and federal regulations relating to milk production. Since there is no construction or physical change involved in this transfer which might require IDA approval, notification that the dairies wish to continue doing what they are currently doing seems redundant.

Reference is made in your letter to the Idaho Dept. of Environmental Quality. The IDA is charged with enforcing the Clean Water Act in the dairy sector, as agreed in the current Memorandum of Understanding between the federal EPA and the IDA. The IDEQ plays no role in regulating dairies, and unless there is a specific statutory requirement for notification (I don't think there is one), we politely demur.

3. Effect on Local Agricultural Base: Both dairies are "good neighbors", and have had largely positive effects upon the local community. The Ed Van Grouw Dairy is quite isolated and has never had odor or other complaints, and is unlikely to have any in the future. The Dan Van Grouw Dairy is in a more populous area, and is actually quite notable for the paucity of odor complaints, averaging less than one per year for the past 5 years. The Dan Van Grouw dairy was one of the first in the Treasure Valley to compost all of the manure produced on the dairy.

Both dairies are well-appreciated participants in the local agricultural economy, purchasing local crops for feed, providing long term, full time, employment at good wages to numerous employees, and maintaining attractive, low nuisance farms which enhance the local community.

Should more information be required, please call me. Thank You!


Darwin Vander Stelt
Nutrient Management Service

Attachments:

1. List of domestic and irrigation wells around T03N R01W Sect. 33 (Dan Van Grouw Dairy)
2. List of USGS test wells and data wells concentrated around T03N R01W Sect. 33
3. Map showing locations of wells concentrated around T03N R01W Sect. 33
4. List of domestic and irrigation wells around T01N R01E Sect. 16 (Ed Van Grouw Dairy).
5. List of USGS test wells and data wells concentrated around T01N R01E Sect. 16
6. Map showing locations of wells concentrated around T01N R01E Sect. 16
7. Nutrient Management Plan for Dan Van Grouw Dairy
8. Nutrient Management Plan for Ed Van Grouw Dairy
9. Letter from Ada County Development Services.

Wells within 1 mile of Dan Van Grouw

SPENCER, ELDON J	Domestic	03N	01W	34 SESE						100	9999	250			4/16/1968	798679
LINDEMOOD, C L	Domestic	03N	01W	34 SENW						300	82	178			7/22/1968	798680
JOHN COTNER BUILDING CO	Domestic-Single Residence	03N	01W	34 NESW						40	68	168	158	6	4/13/2004	812894
BARCLAY CONSTRUCTIO N	Domestic-Single Residence	03N	01W	34 NWSE					M CATC HER	80	70	171	164	6	6/15/2001	769492
JOHNSON, GREGORY T	Domestic-Single Residence	02N	01W	3 NVNW						30	72	115	105	6	1/23/1993	726700
HUNTER, LAVELL D	Domestic-Single Residence	02N	01W	3 NVNW						40	60	104	100	6	2/5/1993	726736
JOHNSON, NORMAN	Domestic-Single Residence	02N	01W	3 NENE						50	75	157	152	6	12/26/1993	726529
HUNTER, NEIL	Domestic-Single Residence	02N	01W	3 SWNW						200	29	179	179	6	10/28/1999	733738
SHAW, NOEL	Domestic-Single Residence	02N	01W	3 SWNW						100	27	192	192	6	11/2/1999	733746
GUIDO, JOSEPH J	Domestic-Single Residence	02N	01W	3 SENW						50	92	175	160	6	5/14/1992	725059
JOHNSON, RON	Domestic	02N	01W	3 NWNE						40	80	306			12/31/9999	788588
TREASURE VALLEY CONSTRUCTIO N	Domestic	02N	01W	3 NESE						9999	2	68			8/18/1972	798114
WRIGHT, MERL	Domestic	02N	01W	3 SWNE						0	75	105			6/18/1979	774714
LAW, ROBERT	Domestic-Single Residence	02N	01W	4 NWNE						90	67	175	160	6	7/13/1995	729516
KASEL, PERRY O	Dewatering	02N	01W	4 SENW						9999	9	49			3/14/1968	798110
BAKER, MELVIN	Domestic-Single Residence	03N	01W	27 NESW				1		5	100	114	226	25	7/20/1989	723061
CAMPBELL, AL	Domestic	03N	01W	27 SW				JONE S SUB	1	12	9999	9999	200		12/23/1999	808076
REYES, JAY	Domestic-Single Residence	03N	01W	27 SESW							70	195	188	6	6/9/1991	724263
SCHUESTER, JIM	Domestic-Single Residence	03N	01W	27 SESW						35	81	267	262	6	7/3/1992	725857
HENNESSEY, THOMAS	Domestic	03N	01W	27 SWSE							100	165			4/26/1977	795209
JOHNSON PROPERTY MANAGEMENT	Domestic-Single Residence, Domestic-Single Residence	03N	01W	27 SESW				Earl Jacks	1	10	75	228	217	6	11/26/2001	772193

USGS Wells Near Dan Van Grouw Dam



Water Resources

Data Category:

Ground Water

Geographic Area:

Idaho

go

Ground-water levels for Idaho

Search Results -- 19 sites found

Search Criteria

lat_long_bounding_box =		Latitude	Longitude
Corner 1		43°33'59"	116°28'52"
Corner 2		43°32'40"	116°26'20"
Coordinates are entered as Degrees-Minutes-Seconds (DMS)			

Save file of selected sites to local disk for future upload

USGS 433246116262701 02N 01W 03ABB1

Ada County, Idaho

Latitude 43°32'45.7", Longitude 116°26'29.7"

NAD83

Gage datum 2,650. feet above sea level

NGVD29

The depth of the well is 306. feet below land surface.

The depth of the hole is 306. feet below land surface.

Output formats

[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1978-05-25		80.	
1996-03-22		105.63	R
1996-09-23		99.55	R

Date	Time	Water level, feet below land surface	Status
1998-03-16		103.38	R
1998-09-28		92.08	
2000-03-20		87.05	R
2000-09-25		76.06	

USGS 433249116263701 03N 01W 34CDDD1

Ada County, Idaho

Latitude 43°32'49", Longitude 116°26'37"

NAD27

Gage datum 2,645. feet above sea level

Output formats

[Table of data](#)

NGVD29

The depth of the well is 100. feet below land surface.

The depth of the hole is 100. feet below land surface.

[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1989-03-17		70.	

USGS 433250116274401 03N 01W 33DCCC1

Ada County, Idaho

Latitude 43°32'50", Longitude 116°27'44"

NAD27

Gage datum 2,590. feet above sea level

NGVD29

The depth of the well is 85. feet below land surface.

The depth of the hole is 85. feet below land surface.

Output formats[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1993-05-18		40.	

USGS 433311116271201 03N 01W 33DAAD1

Ada County, Idaho

Latitude 43°33'11", Longitude 116°27'12"

NAD27

Gage datum 2,610 feet above sea level NGVD29

The depth of the well is 140 feet below land surface.

Output formats[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land	Status
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	surface	
1993-10-13	42	

USGS 433315116282501 03N 01W 32DAAA1

Canyon County, Idaho

Latitude 43°33'15", Longitude 116°28'24"

NAD27

Gage datum 2,570. feet above sea level

NGVD29

The depth of the well is 107. feet below land surface.

The depth of the hole is 107. feet below land surface.

Output formats[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1993-07-15		10.	

USGS 433318116265801 03N 01W 34BCDB1

Ada County, Idaho

Latitude 43°33'18", Longitude 116°26'58"

NAD27

Gage datum 2,632 feet above sea level NGVD29

The depth of the well is 152 feet below land surface.

Output formats[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1993-04-21		77	

USGS 433319116271101 03N 01W 33ADDA1**Output formats**

Ada County, Idaho

Latitude 43°33'19", Longitude 116°27'11"

NAD27

Gage datum 2,610 feet above sea level NGVD29

[Table of data](#)[Tab-separated data](#)

The depth of the well is 94 feet below land surface.

[Graph of data](#)

[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1992-06-11		47	

USGS 433326116263101 03N 01W 34ACB1

Ada County, Idaho

Latitude 43°33'26", Longitude 116°26'31"

NAD27

Gage datum 2,643.00 feet above sea level

NGVD29

The depth of the well is 178 feet below land surface.

The depth of the hole is 178 feet below land surface.

This well is completed in TERRACE GRAVEL, OLDER (112TRRCO)

Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1969-11-07		54.43	
1970-03-11		58.59	
1970-10-09		54.49	
1990-08-01		62.34	R

USGS 433334116271301 03N 01W 33AADA1

Ada County, Idaho

Latitude 43°33'34", Longitude 116°27'13"

NAD27

Gage datum 2,630. feet above sea level

NGVD29

The depth of the well is 135. feet below land surface.

The depth of the hole is 135. feet below land surface.

Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1987-10-06		72.	

USGS 433338116274401 03N 01W 33ABBB1

Ada County, Idaho

Latitude 43°33'38", Longitude 116°27'44"

NAD27

Gage datum 2,615. feet above sea level

NGVD29

The depth of the well is 127. feet below land surface.

The depth of the hole is 127. feet below land surface.

Output formats[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1987-12-07		55.	

USGS 433339116264901 03N 01W 34BABB1

Ada County, Idaho

Latitude 43°33'39", Longitude 116°26'49"

NAD27

Gage datum 2,640 feet above sea level NGVD29

The depth of the well is 135 feet below land surface.

Output formats[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1980-06-22		69	

USGS 433340116290001 03N 01W 32ABAC1

Canyon County, Idaho

Latitude 43°33'35", Longitude 116°28'47"

NAD27

Gage datum 2,560. feet above sea level

NGVD29

The depth of the well is 60. feet below land surface.

The depth of the hole is 60. feet below land surface.

Output formats[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1992-09-02		21.	

USGS 433342116264501 03N 01W 27CDCD1

Ada County, Idaho

Latitude 43°33'42", Longitude 116°26'45"

NAD27

Gage datum 2,655 feet above sea level NGVD29

The depth of the well is 267 feet below land surface.

Output formats[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1992-07-03		81	

USGS 433342116272801 03N 01W 28DCDD1

Ada County, Idaho

Latitude 43°33'42", Longitude 116°27'28"

NAD27

Gage datum 2,630 feet above sea level NGVD29

The depth of the well is 213 feet below land surface.

Output formats[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet	Status
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		below land surface	Status
	1993-08-13	70	

USGS 433343116272601 03N 01W 28DDC1

Ada County, Idaho

Latitude 43°33'43", Longitude 116°27'26"

NAD27

Gage datum 2,670. feet above sea level

NGVD29

The depth of the well is 224 feet below land surface.

The depth of the hole is 224. feet below land surface.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	Water level, feet below land surface	Status
1919-09-16		118.	

USGS 433343116283701 03N 01W 29DDC1

Canyon County, Idaho

Latitude 43°33'43", Longitude 116°28'37"

NAD27

Gage datum 2,576.00 feet above sea level

NGVD29

The depth of the well is 61.8 feet below land surface.

The depth of the hole is 66.0 feet below land surface.

This well is completed in TERRACE
GRAVEL, OLDER (112TRRCO)**Output formats**

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	Water level, feet below land surface	Status	Date	Time	Water level, feet below land surface	Status
1953-10-17		28.13		1969-10-17		28.13	
1953-10-27		27.70		1970-03-11		34.23	
				1970-10-08		27.81	

1980-03-18

34.75

USGS 433346116264901 03N 01W 27CDCB1

Ada County, Idaho

Latitude 43°33'46", Longitude 116°26'49"

NAD27

Gage datum 2,645. feet above sea level

NGVD29

The depth of the well is 200. feet below land surface.

The depth of the hole is 200. feet below land surface.

Output formats[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1996-03-28		77.17	
1996-09-17		73.51	

Date	Time	Water level, feet below land surface	Status
1998-03-17		74.66	
1998-09-29		71.71	
2000-03-22		75.71	
2000-09-28		73.00	

USGS 433353116264401 03N 01W 27CDBA1

Ada County, Idaho

Latitude 43°33'53", Longitude 116°26'44"

NAD27

Gage datum 2,670 feet above sea level NGVD29

The depth of the well is 226 feet below land surface.

Output formats[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1989-07-20		114	

USGS 433354116274701 03N 01W 28CADD1

Ada County, Idaho

Latitude 43°33'54", Longitude 116°27'47"

Output formats

NAD27

Gage datum 2,625 feet above sea level NGVD29

The depth of the well is 160 feet below land surface.

[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1983-09-14		65	

Questions about data gs-w-id_NWISWeb_Data_Inquiries@usgs.gov[Top](#)Feedback on this website gs-w-id_NWISWeb_Maintainer@usgs.gov[Explanation of terms](#)

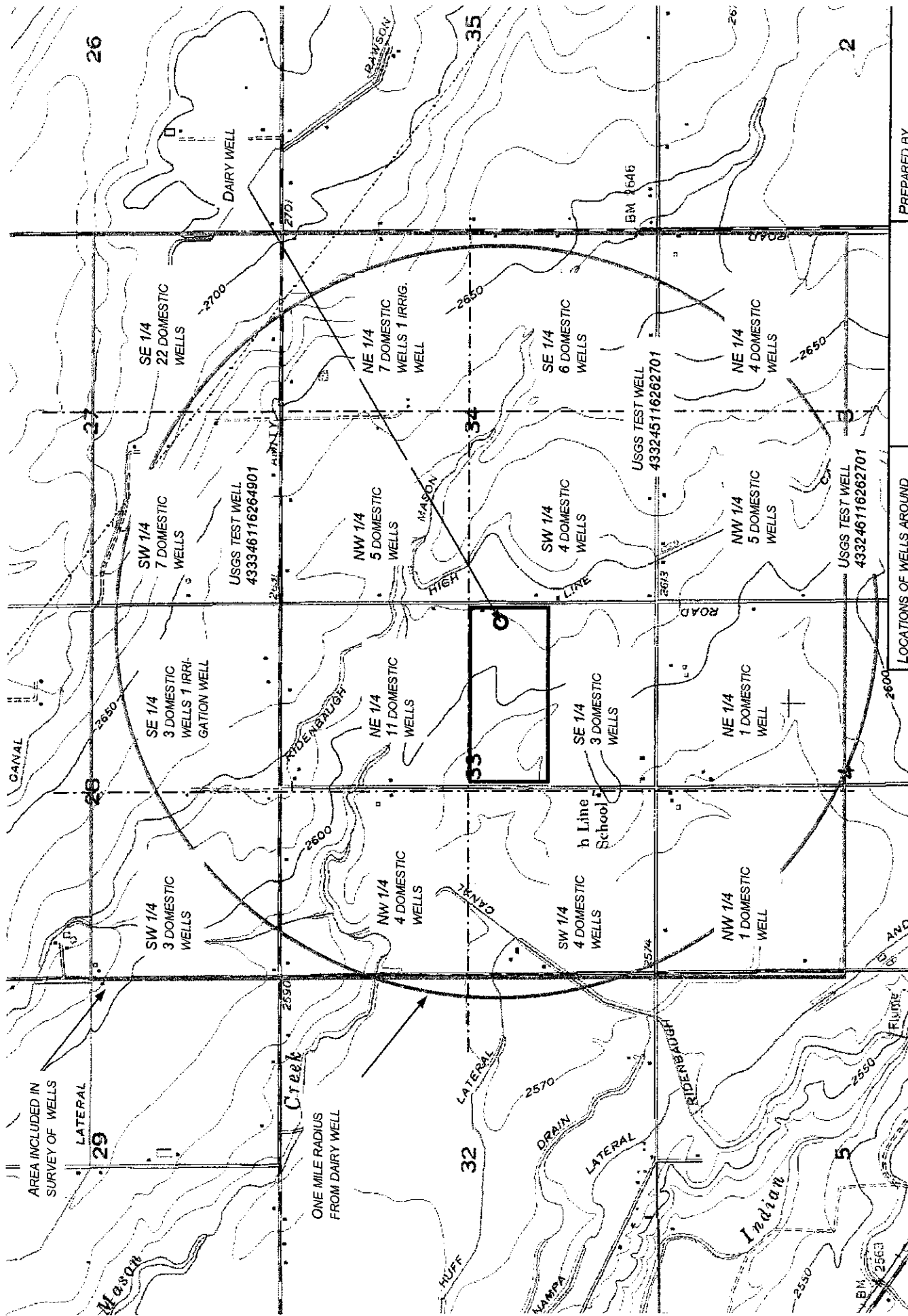
Ground water for Idaho: Water Levels

<http://waterdata.usgs.gov/id/nwis/gwlevels?>

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1.14 0.76 nadww01



LOCATIONS OF WELLS AROUND THE DAN VAN GROW DAIRY		PREPARED BY
T03N R01W N1/2 OF SE 1/4 SECTION 33	SCALE: 1" = 1835'	DARWIN VANDER STELT

List of Wells within 1 mile of Ed Van Grow Darry

Contact	Use	TWP	RN	SEC	Tract	Gov. Lot	Well Address	Sub	BL	L	Per Minute	Static Water Level	Total Depth	Casing Depth	CSG. DIA.	Construction Date	Permit Number	Tag Number
AN GROUW R. EDWARD G	Domestic-Single Residence	01N	01E	16	SWNE		19855 S CLOVERDALE				30	230	386	38	6	4/29/1993	726943	
AN GROUW R. EDWARD G	Domestic	01N	01E	16	SWNE						200	270	420			9/23/1987	788251	
AD -HORN TON ARMS	Domestic	01N	01E	16	SESW		POEN ROAD AND CLOVERDALE				40	255	372	359	6	8/12/2003	789348	D0025905
FEATHERBY, LL	Irrigation	01N	01E	16	NENE						0	200	335			5/30/1967	811623	
NOPP, USSELL	Domestic-Single Residence	01N	01E	9	NESE						100	154	309	20	6	4/10/1989	722570	
ELANGE, RIAN	Domestic-Single Residence	01N	01E	9	NESE		18453 S CLOVERDALE		2	2	150	210	350	28	8	7/9/1998	732264	D0007128
ROWN, DAVE, ROWN, JUDY	Domestic-Single Residence	01N	01E	9	NESE						75	210	340	33	8	6/22/1998	732301	D0007130
ARSEN -MER, RUTH	Domestic-Single Residence	01N	01E	9	SESE		SOUTH CLOVERDALE RD	WEDNE SDAY			60	135	335	-62	8	7/21/2000	765521	D0015201
OLLMAN, ILL	Domestic-Single Residence	01N	01E	9	SESE		18601 S CLOVERDALE	WEDNE SDAY			70	193	328	-38	8	12/9/2000	767645	D0015884
ANDERSON, IVERN	Domestic-Single Residence	01N	01E	10	W	SWS	18998 S CLOVERDALE RD				23	160	348	20	8	6/29/1995	729464	
CHARDSON, RANK D	Domestic-Single Residence	01N	01E	10	W	NWS	18330 S CLOVERDALE				30	180	307	18	6	3/21/1996	730226	
ROOKS, PAUL	Domestic-Single Residence	01N	01E	10	W	NWS	SOUTH END OF CLOVERDALE RD				0	158	276	80	6	8/2/1996	730596	
TRAHM, AVE, -JAMBY, ARRI	Domestic-Single Residence	01N	01E	10	W	SWS	END OF S CLOVERDALE RD		1	5	0	180	302	80	6	10/24/1997	731694	D0001447
CHOLSON, JHN	Domestic-Single Residence	01N	01E	10	SENW		18100 S COLVERDALE				0	185	280	41	6	2/12/1998	731982	D0001714

Wells within 1 mile of Ed Van Grouw Dairy (Cont'd)

OLLIBAUGH, KRIS, OLLIBAUGH, JEN	Domestic-Single Residence	01N 01E	10W	SWS	18710 S CLOVERDALE RD					150	210	311	73	8	7/2/1998	732343	D0007173
BLUE RIDGE CONSTRUCTION	Domestic-Single Residence	01N 01E	10SESE		18568 S CLOVERDALE		1	3	0		180	304	19	6	6/22/1999	733358	D0009446

USGS Wells Near ED VanGrouw Dairy



Water Resources

Data Category:

Ground Water

Geographic Area:

Idaho

go

Ground-water levels for Idaho

Search Results -- 3 sites found

Search Criteria

lat_long_bounding_box =

	Latitude	Longitude
Corner 1	43°26'27"	116°22'30"
Corner 2	43°24'25"	116°18'17"
Coordinates are entered as Degrees-Minutes-Seconds (DMS)		

Save file of selected sites to local disk for future upload

USGS 432525116203301 01N 01E 16ACCI

Ada County, Idaho

Latitude 43°25'24.6", Longitude 116°20'35.4"

NAD83

Gage datum 2,820. feet above sea level

NGVD29

The depth of the well is 386. feet below land surface.

The depth of the hole is 386. feet below land surface.

Output formats

[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land surface	Status
1993-04-29		230.	
1996-04-05		230.75	
1996-08-19		235.94	
1996-09-16		234.85	
1996-10-24		231.37	
1996-11-22		230.95	
1996-12-18		231.07	
1997-01-23		230.57	
1997-02-20		230.63	
1997-03-27		230.29	

Date	Time	Water level, feet below land surface	Status
1999-01-29		229.85	
1999-02-24		229.44	
1999-03-24		228.41	
1999-04-28		230.50	
1999-05-26		233.94	
1999-06-21		234.51	
1999-07-29		235.68	R
1999-08-25		235.01	
1999-09-22		237.73	
1999-10-19		231.81	

1997-04-25	231.43		1999-11-23	230.84	
1997-05-22	234.24		1999-12-13	232.02	
1997-06-30	234.65		2000-01-19	230.25	
1997-07-28	234.42		2000-02-14	229.60	
1997-08-27	234.81		2000-03-21	229.92	
1997-09-26	232.82		2000-04-11	230.17	
1997-10-31	230.84		2000-05-15	233.79	
1997-11-25	230.43		2000-06-15	233.79	
1997-12-23	230.14		2000-07-10	235.35	
1998-01-22	229.93		2000-08-17	235.38	R
1998-02-25	229.67		2000-09-28	234.58	
1998-03-19	229.64		2000-10-16	235.68	
1998-04-23	230.65		2000-11-14	231.12	
1998-05-20	230.20		2000-12-14	230.84	
1998-06-24	234.20		2001-01-22	230.70	
1998-07-20	234.82	R	2001-02-12	230.53	
1998-07-21	235.01	S	2001-03-13	230.37	
1998-08-25	234.18	S	2001-04-19	230.41	
1998-10-01	231.68		2001-05-17	231.68	
1998-10-30	230.85		2001-06-18	232.16	
1998-11-27	230.33		2001-07-17	234.64	
1998-12-23	230.24		2001-08-13	235.10	
			2001-09-10	233.71	
			2003-06-26	236.44	R

USGS 432538116201101 01N 01E 16AAC1

Ada County, Idaho

Latitude 43°25'38", Longitude 116°20'11"

NAD27

Gage datum 2,805.00 feet above sea level

NGVD29

The depth of the well is 335 feet below land surface.

The depth of the hole is 335 feet below land surface.

Output formats[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	Water level, feet below land	Status
------	------	------------------------------	--------

		surface	
	1976-09-30	196.42	
	1980-03-14	197.05	

USGS 432615116191501 01N 01E 10ACC1

Ada County, Idaho

Latitude 43°26'15", Longitude 116°19'15"

NAD27

Gage datum 2,798.00 feet above sea level

NGVD29

The depth of the well is 300 feet below land surface.

The depth of the hole is 300 feet below land surface.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	Water level, feet below land surface	Status
1976-04-16		197.70	
1976-09-28		174.60	
1976-10-07		175.35	

Questions about data gs-w-id_NWISWeb_Data_Inquiries@usgs.govFeedback on this website gs-w-id_NWISWeb_Maintainer@usgs.gov

Ground water for Idaho: Water Levels

<http://waterdata.usgs.gov/id/nwis/gwlevels?>[Top](#)[Explanation of terms](#)

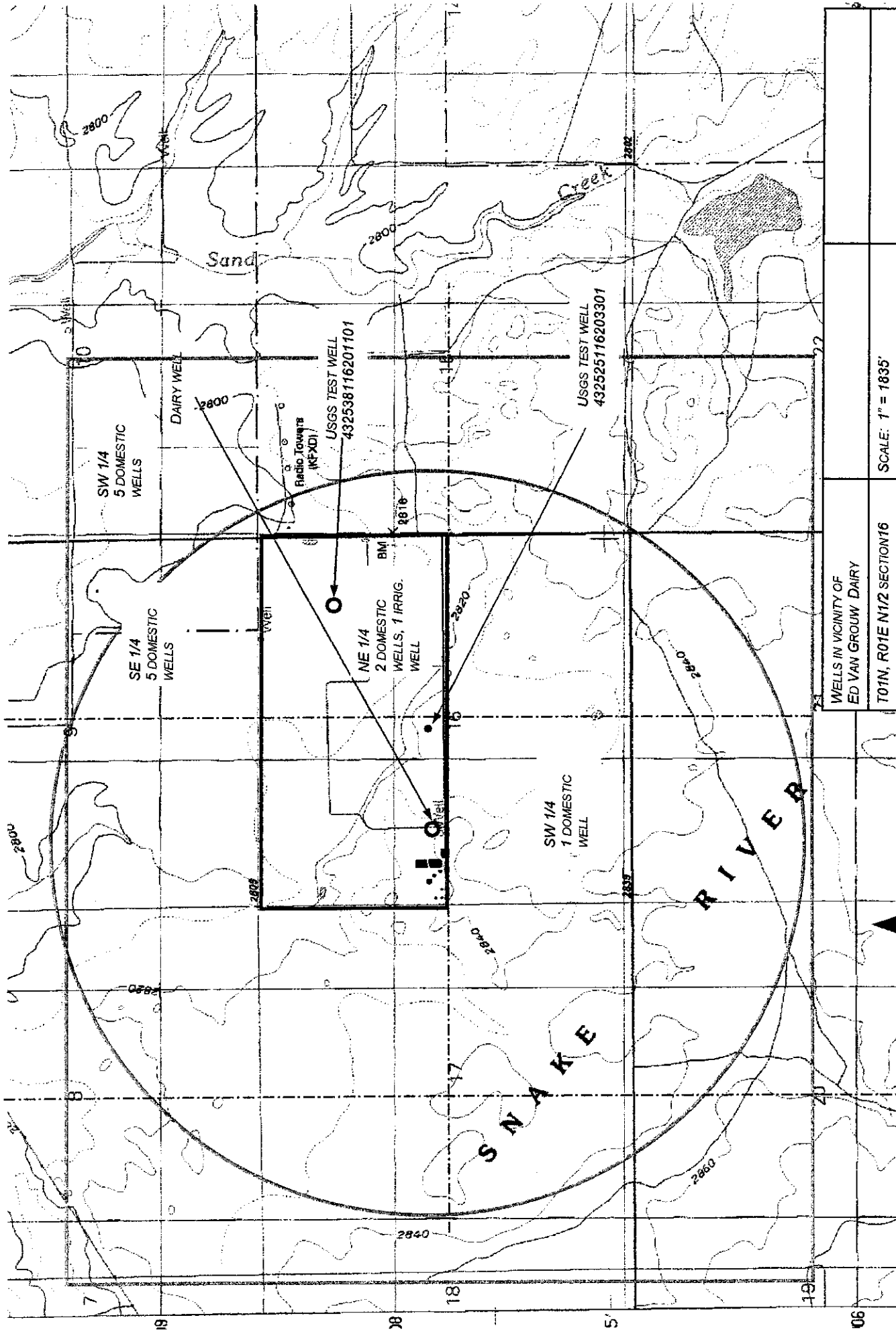
Retrieved on 2004-05-25 09:21:41 EDT

Department of the Interior, U.S. Geological Survey

USGS Water Resources of Idaho

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0.87 0.68 nadww01

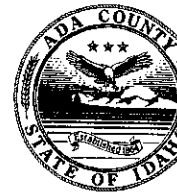


WELLS IN VICINITY OF ED VAN GROUW DAIRY		
T01N, R01E N1/2 SECTION 16	SCALE: 1" = 1835'	
PREPARED BY		
DARWIN VANDER STELT		

PHONE (208) 287-7900
FAX (208) 287-7909

ADA COUNTY DEVELOPMENT SERVICES

200 W. FRONT, BOISE, IDAHO 83702-7300



BUILDING • ENGINEERING • PLANNING • ZONING

May 27, 2004

Darwin Vanderstelt
16931 Star Road
Nampa Id 83687

RE: Water Rights transfer Dan and Ed VanGrouw

Dear Mr. Vanderstelt:

This letter is in response to your request as to the status of the following parcels in compliance with local zoning regulation.

Parcel # S2116111000 is 160 acres located at 19855 S. Cloverdale Road and is owned by Ed and Anne VanGrouw. The property is listed as agricultural and have registered as a feedlot as per section 8-5-3.62 of the Ada County Code. There are no indications that the property is in violation of the Ada County Code.

Parcel # S1233417200 is 40 acres located at 5635 S. Black Cat Road and is owned by Daniel and Kimberly VanGrouw. The property is listed as agricultural. There are no indications that the property is in violation of the Ada County Code.

Ada County Development Services have no regulation regarding the transfer of water rights and do not have any comment on the requested proposal.

This determination was made based upon presented information contained in the public record and interpretation of the Ada County Zoning Ordinance.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Guenther".

Joseph R. Guenther, Planner II
Ada County Development Services

Livestock Confinement Facility Registration

Ada County Development Services, 650 Main Street, Boise, Idaho 83702

Re: Ed VanGrouw
19855 S. Cloverdale Road
Kuna, ID 83634

Please register the LCF listed above as per Chapter 8-5-3.62.A.4 of the Ada County Zoning Ordinance.

The following documents are attached:

1. A detailed description of the subject operation,
2. A site plan,
3. Calculations of the operating capacity of the facility.

The applicant has relied upon the following definitions and requirements of the Ordinance in the preparation of this registration:

Chapter 8-5-3.62.A.4

"Existing facilities with more than 230 animal units shall have the option to register their facility with the Ada County Development Services Department by 1 year after the effective date of this Title. The purpose of the registration is to establish the property boundaries and the operating capacity of the livestock confinement facility. Operating capacity shall be either the historic maximum animal units or the maximum design capacity (in animal units) of the facility, whichever number is greater. Existing facilities that register shall be allowed up to a 30 percent increase in the registered operating capacity without master site plan or conditional use approval."

Animal Unit

"A unit of measurement for livestock confinement facilities calculated by adding the following numbers: the combined weight of all dairy cattle divided by 1,350; plus the combined weight of all other cattle divided by 1,400" (8-1A-1: DEFINITIONS)

This application was prepared by Darwin Vander Stelt using information provided by the Applicant. The preparer has not verified any information included in this application.

Description of the Livestock Operation

The Ed VanGrouw Dairy is an existing dairy facility located in Kuna, Idaho at 19855 S. Cloverdale Road. The dairy is operated by Ed and Ann VanGrouw and has been operating at the current location since 1980.

The Ed VanGrouw Dairy milks Holstein cows and also maintains mature dry cows and Holstein heifers. Milk cows are housed either in free stall barns or corrals, while dry cows and heifers are housed in open corrals. The dairy owns approximately 320 acres, of which 278 acres are farmable. The milking parlor is a double 12 herringbone. Cows are milked 3 times a day.

Operating Capacity of the Facility

Parlor:

The Double 12 herringbone milking parlor holds 24 cows. Herringbone parlors are typically filled and emptied 4-5 times per hour, depending on the complement of workers, resulting in a maximum design capacity of 120 cows per hour. The parlor can be used 11 hours each shift. Therefore the design capacity of the parlor is $11 \times 120 = 1320$ head @ 1350 lbs/cow.

Dry Cows - 200 housed in pasture

Summary of Design Capacity for VanGrouw Dairy:					
Au = weight of dairy cows / 1350 all others weight / 1400					
Type animal	description	number	weight	divisor	AU's
Dairy cows	milk	1320	1350	1350	1320
	dry	200	1350	1350	200
Total Animal Units design capacity on this facility:					1520