



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

January 27, 2010

RE: Request for information

Dear water user,

The Idaho Department of Water Resources (IDWR or Department) is in the process of reviewing ground water measurement records within Water District No. 130 in an effort to better understand use of the Power Consumption Coefficient (PCC) method for estimating ground water use. Water use for a majority of the irrigation wells in the Eastern Snake Plain Aquifer (ESPA) is being estimated using the PCC method. IDWR records show that you are the owner of one or more wells identified in Attachment A of this letter for which additional information is needed to determine if the PCC method is a valid method for estimating water use. The Department requests that well owners complete the attached PCC Information Form for each well listed in Attachment A.

IDWR staff has conducted PCC audits for a random selection of wells that have been measured by ground water districts or Water District 130. Many of the measurement audits IDWR conducted found that PCC changes were greater than the acceptable 10% change occurring due to operating changes and cropping patterns from year to year. IDWR's Minimum Acceptable Standards for Water Measurement pertaining to PCC estimates are included for your review (specifically pages 4-6). A complete copy of these standards may be found at IDWR's website at:

<http://www.idwr.idaho.gov/WaterManagement/WaterMeasurement/PDFs/MinAccepStand.pdf>).

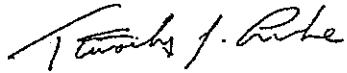
These standards include guidelines for implementing and qualifying PCC measurements. These standards are used by department staff to determine if PCC can be used for estimating your water use. ***Please fill out and return the attached PCC Information Form for each well that you own or operate listed in Attachment A of this letter. Please note that only one form has been provided with this letter. If you own multiple wells, please return one form for each well. You may make copies of the attached form or you may either download or complete/print the form from the Department's website at:***

http://www.idwr.idaho.gov/WaterManagement/WaterMeasurement/water_measurement.htm

The information submitted to the Department will be used to further evaluate if PCC can be used for your well(s). If IDWR determines that the well does not meet the minimum standards for using PCC you will be required to install a flow meter acceptable to the Department. IDWR may visit any well to make a final determination. **Failure to return a form for each well may result in the Department requiring installation of a flow meter for each well in question.** Please note that Attachment A is sorted by owner name and that some wells are owned by multiple parties and thus listed multiple times depending on ownership.

Please direct inquiries related to this request to Corbin Knowles or Tim Luke at 208-287-4800.

Regards

A handwritten signature in black ink, appearing to read "Tim Luke". The signature is fluid and cursive, with the first name "Tim" and last name "Luke" clearly distinguishable.

Tim Luke
Water Distribution Section

Attachments: IDWR PCC Information Form
IDWR Minimum Acceptable Standards for Water Measurement (p. 4-6)
Attachment A- Well list

CC: Cindy Yenter, IDWR and Water District 130 Watermaster

IDWR
PCC INFORMATION FORM
Please fill out a form for each well

Well Name: _____
IDWR site tag: _____
Legal description: _____
Owner/Operator: _____
Water District: _____

1. Please describe the irrigation equipment used with this well (*example: center pivot with hand lines, 1/4 mile wheel lines, solid set hand lines, etc*).

Do your pivot systems operate with corner machines? ____yes ____no ____N/A

Approximate number of acres irrigated by this well: _____ acres

2. Does the well open discharge into a pond or ditch? ____yes ____no
3. Is there a flow meter presently installed on your well? ____yes ____no
Type:

Manufacture:

Installation date:

Is the meter operable?

4. Are there multiple pumps wired to the same electrical demand meter? ____yes ____no
Please provide the eight digit electrical meter serial number. _____
Please provide the pole number of the electrical meter. _____

If yes, how many pumps are surface water boosters that would increase the power use when the deep well is not in operation? _____

What is the horsepower of your motor(s)?

Main Well _____

Booster _____

How many are in-line pressure boosters? _____

Do in-line boosters always run with the well? ____yes ____no

5. Pressure Changes:

Do you throttle the main well pump? ____yes ____no

Do you throttle the in-line booster pumps? ____yes ____no

Additional explanation/information regarding pump throttling or pressure changes:

6. Does the system operate with a variable frequency drive? ____yes ____no

On Well motor: ____

On Booster motor: ____

On Both: ____

7. Is the well interconnected to other wells? ____yes ____no

Does the well supply water for use other than irrigation? (*Example: stock water, commercial*)

____yes ____no If yes, please list:

8. Do your cropping patterns differ under pivot systems within the same year (*example: one pivot in potatoes, one pivot in wheat and both systems irrigated by the same well*)? ____yes ____no
If yes, please describe:

9. Does the well production decrease over the irrigation season? ____yes ____no

Does pumping water level decrease over the irrigation season? ____yes ____no

If yes, approximately how much does the level decrease (in feet)? _____

If you answered YES to any of the questions #4 through #9, your system is not likely a candidate for the Power Consumption Coefficient (PCC) method of measurement. You will be required to install a flow meter.

If the system is an OPEN DISCHARGE system (answer to #2 is YES) and well production does not decrease during the irrigation season (answer to #9 is NO), then the system may use an hour meter for measurement.

10. **Required for all systems.** Please attach a diagram or photo of the wellhead and pumping plant. Include or show locations of all proposed or existing flow meters, and the locations of boosters, valves, elbows, chemigation ports, etc., and the spacing between each.
What is the pump discharge line size? _____

PLEASE PROVIDE YOUR SIGNATURE AND A CONTACT PHONE NUMBER, AND RETURN ALL FORMS TO:

IDWR
322 E FRONT ST
PO BOX 83720
BOISE ID 83720

Name/Title

Phone #

Date

Table 1: Use for proper meter selection based on water right volume.

Volume Acre Feet (AF)	Multiplier X gallons (gal)	Multiplier X Acre Feet (AF)
0-150	1, 10, 100	.0001, .001
150-1000	10, 100, 1000	.001, .01
>1000	100, 1000	.001, .01

C. Requests for Variance of Closed Conduit Measuring Device Requirements

Owners of closed conduit diversions may request a variance of the standard magnetic flow meter requirements of section II A. above for the following reasons:

- a) An operable flow meter is already installed
- b) Installation and maintenance of the standard meter would be burdensome

If a meter is already installed, that meter may be used if the meter is field-tested by IDWR staff and/or the water district watermaster using a portable certified standard flow meter and upon a determination that the meter is installed properly and accurate to within $\pm 10\%$ of actual rate of flow and volume. *IDWR or the water district watermaster should apply a calibration factor to flow meters whenever the calibration measurement is greater than $\pm 1.0\%$.*

If a user demonstrates that installation and maintenance of the standard meter would be burdensome, then IDWR may consider alternate measurement options including:

- a) Development of Power Consumption Coefficient to estimate water use volumes (generally acceptable for simple ground water irrigation diversion systems only)
- b) Installation of one or more time clocks or hour meters (requires periodic flow measurements and recording of hours of water use from meter or clock).
- c) Installation of an alternative flow meter as shown in Table 2 below. Alternative flow meters may vary with respect to straight pipe length requirements. Mechanical flow meters require ten (10) pipe diameters upstream of the meter and five (5) pipe diameters downstream.

Users considering making a variance request may contact IDWR or the local water master for further information.

1. Use of Power Records as an Alternative Measurement Method

An alternative to installing flow meters is the use of power records and other information to estimate the annual diversion from a pump. Estimating total water diversion from power records requires the derivation of a relationship between power demand and flow under normal operating conditions. This relationship, called a power consumption coefficient (PCC), is a ratio of the number of kilowatt hours needed to pump an acre-foot of water. This number is unique to each well or pumping plant due to the physical attributes of the system and can be applied to the year end power records to determine the total acre-feet pumped.

Total power consumption at individual irrigation pumping plants is supplied to the Department by electric utilities. To determine the rate of flow, a portable measuring device, such as a non-invasive ultrasonic flow meter can be used. Simultaneous with the flow measurement, power is measured using the utility's kilowatt-hour meter. A qualified individual with the necessary equipment will be required to perform these measurements.

Some complex systems cannot use this method due to the potential for large errors. See the discussion in the following section to see if this method can be used.

Because systems wear and water levels change, it is necessary to occasionally verify the flow to power ratio. Therefore, the power consumption coefficient must be re-calibrated at least once every three years.

2. Can Power Records be used to Estimate My Diversion?

Only irrigation water users may use power records to estimate their diversion because the utilities will only provide consumption information for irrigation uses. If you are not an irrigation user, but want to use power records, you must propose a method of reporting your power consumption data.

Owners of **surface water diversions** must have a flow measuring device in most cases. The alternate method of estimating water withdrawals with power records cannot be used unless you pump from a public water source and can show the Department that it will yield reliable results (case by case determination).

Owners of **ground water diversions** can either install a totalizing flow meter or ask the Department to use power records to estimate withdrawals. If the pump discharges to an open channel, an open channel measuring device can be employed to measure the water diverted if the device and a method of tracking hours of operation are pre-approved by the Department. Flow meters which register only instantaneous flow rate are not acceptable unless the water user can demonstrate a reliable method of tracking the number of hours the pump operates through the season (the flow measuring device must then be read and flow rate recorded at least once per week).

The total water diverted can be accurately estimated from the PCC method if the system configuration or operation is not complex. Unfortunately, the PCC or power records will not always yield acceptable results, and it will be necessary to install a flow meter. **Flow meters must be installed if any of the following conditions exist:**

- The well flows (artesian) so that water can be diverted when the pump is off.
- The energy consumption meter that records power used by the pump also records power used by other devices not integral to the irrigation system. For example, if the meter also records power used by a home, shop, cellar, re-lift pumps from surface water sources etc., a flow meter must be installed because power used by the pump cannot be isolated from the other devices. However, if the meter also records power used by center pivots, booster pumps, or other devices which operate as part of the well pumping system, the alternate method may be acceptable.

- The electrical meter records the power used by more than one well pump. If a deep well pump which discharges to an open pond or ditch and a re-lift pump are both connected to the same electrical meter, the discharge from the well pump can be measured, and a time clock can be installed to record the total number of hours of pump operation which can be multiplied by the flow rate to determine the total volume of water diverted.
- Variable frequency drives (VFD) operate the pumping plant. This includes both drives for the well motor and the booster system. Variable frequency drives generally indicate that multiple operating conditions exist in the system where large kilowatt and pressure changes are present.
- The energy supplied to the pump cannot be accurately and reliably measured. For example, most diesel and propane driven pumps do not have provisions to measure the fuel used by the engine.
- The flow rate from the pump varies significantly due to changes in demand or operation. For example, pumps that discharge into a pressurized system some times and then open discharge at other times, or pumps that supply multiple pivots and/or other discharge points, would likely have flow rates that change considerably. These changes generally alter the flow to power ratio, causing inaccurate estimates of diversions. The alternate method of estimating water withdrawals with power records may only be used if the water user can propose an acceptable method of tracking these changes in operation.
- Changing water levels that cause the flow to vary more than 25% (or pressures to vary more than 15%) over the irrigation season.

Table 2: Types of Alternative Measuring Devices for Closed Conduits

Types	Pipe Sizes	Maintenance Required	Relative Purchase Price
Differential Head <ul style="list-style-type: none"> • Orifice • Venturi • Annubar 	small to large	Low to high. Sand wears on sharp edges, and particles can plug small orifices and tubes.	low to medium
Force Velocity <ul style="list-style-type: none"> • Turbine • Propeller • Impeller 	small to large	Typically moderate to high. Often problematic when exposed to sand or moss. Some cannot measure low velocities	low to medium
Ultrasonic or Acoustic Doppler	small to large	Low. Typically non-invasive with no moving parts to wear	high
Vortex	small to medium (about 12 to 14 inch maximum pipe diameter)	Low. Few or no moving parts to wear.	High

REMOVED FROM LIST

Owner Organization Name	Owner/Contact Last Name	Owner/Contact First Name	StreetAddress	City	State	PostalCode
CASSIA FARMS INC				PAUL	ID	
	BUTLER	H R			ZZ	
	FEARN	DAVID GARTH		BURLEY	ID	
	LARGE	SAMUEL C	1005 W HWY 24	PAUL	ID	83347
	HITE	CLIFTON	1313 W RIBINHOOD DR BUILDING A SUITE 3	STOCKTON	CA	95207
KLM FARM			1908 E 1300 S	HAZELTON	ID	83335
BS S LLC 7			2653 FAIRMONT AVE	BURLEY	ID	83318
DUNCAN LIMITED PARTNERSHIP			422 E BASELINE	RUPERT	ID	83350
BRINEGAR INVESTMENTS L&P	BRINEGAR	EE	5190 NO LOCUS GROVE RD	MERIDIAN	ID	83646
	DELIS	COSTA	C/O JAMES ANNEST PO BOX 686	BURLEY	ID	83318
	DELIS	COSTA	C/O JAMES ANNEST PO BOX 686	BURLEY	ID	83318
	ELLIS	LEE G & CHAILLE B	PO BOX 158	FIELDING	UT	84311
	COMMONS	RAY L	PO BOX 307	RUPERT	ID	83350
MAGIC VALLEY FOODS FARM			PO BOX 475	RUPERT	ID	83350
r	SHILLINGTON	WILLARD H	PO BOX 535	RUPERT	ID	83350
	BRANCHFLOWER	MICHAEL G	PO BOX 575	HAGERMAN	ID	83332-0575
	ANNEST	JAMES	PO BOX 686	BURLEY	ID	83318
SAND SPRINGS RANCH & CO			PO BOX 873340	VANCOUVER	WA	98687-3340
THE HULME LIVING TRUST			RONALD HULME TRUSTEE 17834 PARKER RD	CASTRO VALLEY	CA	94546
	MAXFIELD	GERALD A	RT 1 BOX 1222	PAUL	ID	83347
	BRISBIN	WILBUR	RT 2 BOX 302	RUPERT	ID	83350
MAINLINE RANCHES INC			RT 2 BOX 353	RUPERT	ID	83350

ATTACHMENT A

Recipients of IDWR Letter dated January 27, 2010
(sorted by owner name)

Owner Organization Name	Owner/Contact Last Name	Owner/Contact First Name	PLS Legal Description	Diversion Name	Metal Tag Number	Reporting District
	AARDEMA	DONALD J	09S 15E S4 NWNENE L1	NIAGRA IRRIGATION # 1	A0003747	NSG
	AARDEMA	DONALD JOHN	09S 15E S4 NWNENE L1	NIAGRA IRRIGATION # 1	A0003747	NSG
	AARDEMA	DONALD JOHN	09S 15E S2 SWNWSE	BEHIND DAIRY 5, IRRIG # 1	A0003773	NSG
	AARDEMA	MICHAEL D & RONALD J	09S 15E S4 NWNENE L1	NIAGRA IRRIGATION # 1	A0003747	NSG
	ANNEST	JAMES	07S 22E S6 NWNENE L1	WELL # 3	A0005324	MVG
	BAILEY	CARL W	08S 22E S36 NENENW		A0003475	MVG
	BALL	FERREL D	08S 23E S31 SWSWNE L2		A0003469	MVG
	BALL	JERRY R	08S 25E S13 SENESE	770 N 1000 E, Rupert, ID	A0003653	MVG
	BALL	JIM	08S 22E S36 SESENE		A0003468	MVG
	BALL	FERREL D & BERNIECE	08S 22E S26 SENESW		A0003470	MVG
	BAY	LARRY	08S 15E S18 SWNW L2	DOTY	A0004933	NSG
	BINGHAM	LAVERLE M	07S 24E S32 SESESE		A0004026	MVG
	BRANCHFLOWER	MICHAEL G	07S 14E S23 SWNWSW	BRANCHFLOWER #18, 19	A0001637	NSG
	BRISBIN	WILBUR	09S 21E S14 SWSWNW		A0005301	MVG
	BROWN	MELVIN J	09S 14E S1 NENENW L3		A0003643	NSG
	BROWN	REED L	08S 17E S24 NWNWSE	RLB FARMS - SOUTH	A0003404	NSG
	BROWN	REED L	08S 17E S24 NENWSW	RLB FARMS - WEST	A0003414	NSG
	BUTLER	H R	07S 22E S36 SWSWSE	WELL #5	A0003383	MVG
	BUXTON	BILL W	10S 20E S33 NWNWSE L2		A0003706	NSG
	CAMPBELL JR	FRANCIS W	07S 14E S21 NENENE		A0001587	NSG
	CARNEY	GARY	09S 21E S2 SESWSE	Torix South	A0003658	MVG
	CLARK	DENNIS D	05S 15E S33 NESWSW	IRRIGATION WELL	D0023959	NSG
	COMMONS	RAY L	07S 22E S36 SWSWSE	WELL #5	A0003383	MVG
	COMMONS	RAY L	07S 23E S11 SWSWNE	K111A	A0003714	MVG
	DALLEY	RICHARD B	07S 24E S21 SWNWSE	DIETZ	A0005426	MVG
	DEAN	WENDEL C	08S 25E S2 NWSSENW		A0005411	MVG
	DEAN	WENDEL C	08S 25E S2 SESWNW		A0005436	MVG
	DELIS	COSTA	06S 21E S35 NWNWSE	WELL # 1	A0005376	MVG
	DELIS	COSTA	06S 21E S36 NWNWSW	WELL # 2	A0005377	MVG
	EAMES	TIMOTHY R	07S 24E S1 SWNESE	#14	A0003688	MVG
	EAMES	TIMOTHY R	07S 24E S1 SWNESW	#15	A0003689	MVG

* MVG = Magic Valley Ground Water District
NSG = North Snake Ground Water District
Well information may be duplicated due to multiple owner/operator

ATTACHMENT A

Recipients of IDWR Letter dated January 27, 2010
(sorted by owner name)

Owner Organization Name	Owner/Contact Last Name	Owner/Contact First Name	PLS Legal Description	Diversion Name	Metal Tag Number	Reporting District
	ELLIS	LEE G & CHAILLE B	06S 23E S31 NESE	K31AB	A0003657	MVG
	FASSETT	LYLE A	07S 25E S30 NENENW	#7	A0003691	MVG
	FASSETT	LYLE A	08S 25E S2 SWSESW		A0005308	MVG
	FEARN	DAVID GARTH	06S 21E S35 NWNWSE	WELL # 1	A0005376	MVG
	FERNANDES	PEDRO	08S 15E S9 SESESE	IRRIGATION WELL	A0005526	NSG
	FIFE	BROCK	07S 23E S21 NESWNW	Wards; POLE 107	A0005403	MVG
	FIFE	G BRAD	07S 23E S21 NESWNW	Wards; POLE 107	A0005403	MVG
	FORSYTH	DANNY R	08S 17E S15 NWNE	WHITE CLOVER SOUTH	A0003439	NSG
	FORSYTH	DANNY R	08S 17E S11 NWNW	WHITE CLOVER NORTH	A0003441	NSG
	GARNER	GARY B	07S 24E S12 NESENW		A0005317	MVG
	GILLETTE	RANDY	08S 22E S13 SENESW	PUMP #1	A0004048	MVG
	GILTNER	SCOTT	10S 21E S17 NESESW		A0013717	NSG
	GRANT	DOUGLAS E	08S 25E S27 SENWNW	G-9 HOME PLACE	A0005304	MVG
	GRANT	DOUGLAS E	07S 25E S27 NWNWSW	CROSBY	A0005385	MVG
	GRANT	DUANE R	07S 24E S17 SWNWSE		A0004138	MVG
	GRANT	DUANE R	07S 24E S17 SWNENW		A0005424	MVG
	HARPER	CLINT & KEVIN	07S 23E S9 SESESW	Cannon North	A0005309	MVG
	HARPER	CLINT & KEVIN	07S 23E S16 NESESW	Cannon Labor House Pump	A0005485	MVG
	HARPER	CLINT & KEVIN	07S 23E S15 NESE	Clint's	A0005487	MVG
	HARPER	CLINT & LAYNE R	07S 23E S9 NENW	Flintstone North	A0005354	MVG
	HARPER	CLINT & LAYNE R	07S 23E S9 NWSENE	Flintstone South	A0005484	MVG
	HARPER	LARRY F & LAYNE R	07S 23E S9 SESESW	Cannon North	A0005309	MVG
	HARPER	LARRY F & LAYNE R	07S 23E S16 NESESW	Cannon Labor House Pump	A0005485	MVG
	HARPER	LARRY F & LAYNE R	07S 23E S15 NESE	Clint's	A0005487	MVG
	HARPER	LAYNE R	07S 23E S16 SENENW	Cannon Shop Pump	A0005486	MVG
	HAYES	COLIN L	08S 23E S6 SWNWSE L4		A0002544	MVG
	HAYES	COLIN L	08S 23E S7 SWNE L2		A0003374	MVG
	HEPWORTH	WILLIAM M	07S 23E S9 SESESW	Cannon North	A0005309	MVG
	HERBOLD	DENNIS M	07S 24E S21 SENESW	110	A0003700	MVG
	HITE	CLIFTON	08S 22E S9 NENWNE	S9A	A0001526	MVG
	HITE	CLIFTON	07S 23E S30 SWSWNW L2	S19	A0003361	MVG

* MVG = Magic Valley Ground Water District

NSG = North Snake Ground Water District

Well information may be duplicated due to multiple owner/operator

ATTACHMENT A

Recipients of IDWR Letter dated January 27, 2010
(sorted by owner name)

Owner Organization Name	Owner/Contact Last Name	Owner/Contact First Name	PLS Legal Description	Diversion Name	Metal Tag Number	Reporting District
	HOLTON	RONALD	08S 25E S9 NENWNE		A0001262	MVG
	HONSINGER	ROY T	08S 26E S6 NENWNE L2		A0004140	MVG
	HONSINGER	ROY T	08S 25E S1 NESE		A0005391	MVG
	HRUZA	EUGENE	08S 26E S15 SENWNE	Hruza Ranche well	A0005396	MVG
	HRUZA	EUGENE	08S 26E S5 SWNESW	Upper Carter/PIT	A0005490	MVG
	HUETTIG	BRIAN J	10S 20E S21 NESWNW	BOTT WEST	A0004918	NSG
	HUETTIG	LAWRENCE G	10S 20E S21 NESWNW	BOTT WEST	A0004918	NSG
	INGRAM	RALPH D	08S 23E S5 NENWNW L4		A0002543	MVG
	JENTZSCH	RODNEY A	08S 22E S27 SESENW	#486 BRANDON EAST	A0003400	MVG
	JENTZSCH	RODNEY A	08S 22E S27 NESWSW	#510 BRANDON WEST	A0004034	MVG
	JONES	RONALD S	07S 25E S14 SWNWSW		A0003702	MVG
	JURGENSMEIER	RALPH	08S 23E S5 NENWNW L4		A0002543	MVG
	LARGE	SAMUEL C	07S 23E S11 SWSWNE	K111A	A0003714	MVG
	LIND	ELDEN	09S 20E S34 NWNESW	LIND PLACE	A0003490	NSG
	MARTIN	JAY H	09S 18E S5 SESWNW		A0003678	NSG
	MAUGHAN	WAYNE	07S 23E S21 SESE	Wayne L. Maughan	A0001247	MVG
	MAXFIELD	GERALD A	08S 21E S24 NENESE	200 HP	A0005312	MVG
	MAY	DAVID C	08S 21E S21 SWNWNW	MAY WEST	A0003695	MVG
	MCCOY	LUKE	10S 21E S17 NESESW		A0013717	NSG
	MESSNER	ROBERT & SHIRLENE	09S 20E S24 SENWNW	SHARED WELL	A0003491	MVG
	MILLER	KALVIN W	07S 25E S22 NENWSE	SCHELL PLACE S MTR	A0004145	MVG
	MILLER	KALVIN W	07S 25E S22 SESWNW		A0005384	MVG
	MILLER	KALVIN W	07S 25E S35 SWNENW		A0005463	MVG
	MILLER	KALVIN W	07S 25E S35 NWSWSW		A0005464	MVG
	MORTENSEN	JON & STANLEY	07S 24E S36 SENENW		A0005325	MVG
	MUNSEE	G K, MARK, LAREE	09S 20E S24 SENWNW	SHARED WELL	A0003491	MVG
	NEIBAUR	BRUCE A	07S 23E S22 NESENW	STATION 102	A0004146	MVG
	NEIBAUR	DARYL M, MITCHELL D,	07S 23E S28 NWNENE	STA 173	A0004133	MVG
	NEIBAUR	MACK W	07S 23E S34 SENENE		A0001618	MVG
	NEIBAUR	MACK W	07S 23E S34 NESESE		A0004134	MVG
	NEIBAUR	MACK W	07S 23E S27 NESESE		A0004135	MVG

* MVG = Magic Valley Ground Water District

NSG = North Snake Ground Water District

Well information may be duplicated due to mulitple owner/operator

ATTACHMENT A

Recipients of IDWR Letter dated January 27, 2010
(sorted by owner name)

Owner Organization Name	Owner/Contact Last Name	Owner/Contact First Name	PLS Legal Description	Diversion Name	Metal Tag Number	Reporting District
	NEIBAUR	MITCHELL D	07S 23E S27 NWSWNW		A0005498	MVG
	NESBIT	LARRY R	09S 25E S5 NENENE L1	IRRIGATION WELL	A0005361	MVG
	NEWCOMB	MARK T	09S 24E S4 NWNENE		A0003477	MVG
	PHILLIPS	VERNON C	08S 21E S24 NESESW	300 HP	A0005311	MVG
	PHILLIPS	VERNON C	08S 21E S24 NENENE	200 HP	A0005312	MVG
	PITTOCK	BRIAN	10S 21E S17 NESESW		A0013717	NSG
	POTEET	HERBERT W	08S 25E S2 SESESE		A0005410	MVG
	POTEET	RICHARD F	08S 25E S2 SESESE		A0005410	MVG
	RICHINS	LLOYD	09S 21E S14 SWSWNW		A0005301	MVG
	SHILLINGTON	WILLARD H	08S 27E S7 SENWNW L1	M107	A0005500	MVG
	SPARKS JR	RULAND G	09S 23E S11 NESWNE		A0003701	MVG
	STEVENSON	DEAN F	06S 23E S29 SESENE	GUERRY	A0003716	MVG
	STEVENSON	DEAN F	06S 23E S29 SWNWSW	BELL FARM	A0005496	MVG
	STEVENSON	SCOTT A	08S 22E S11 NENWNW	SCOTT	A0003476	MVG
	SUCHAN	FRANK J	08S 22E S34 NWNWNE		A0003397	MVG
	SUCHAN	FRANK J	08S 22E S35 NENWNW		A0004023	MVG
	SUCHAN	FRANK J	08S 22E S16 NWSWSW		A0004040	MVG
	TAYLOR	JOE E	06S 21E S35 NWNWSE	WELL # 1	A0005376	MVG
	TOMINAGA	LARRY	08S 22E S36 SESENE		A0003468	MVG
	TUCKNESS	JIMMIE D	09S 22E S16 NWSESW		A0002539	MVG
	VAN DYK	RICHARD B	07S 16E S21 SWSWSE	NORTH FARM	A0013710	NSG
	VAN TASSELL	PERRY	07S 21E S33 NESENE	PUMP # 3	A0004091	MVG
	VAN TASSELL	PERRY	07S 21E S35 SWNENW	WELL # 5	A0004095	MVG
	VEENHOUWER	DAVID & TOBIE	08S 16E S33 NENWNE	DAIRY WELL	A0003482	NSG
	VEENSTRA	FRANK W	07S 14E S4 SWSWNE L2	WELLARD PLACE	A0003467	NSG
	VEENSTRA	FRANK W	07S 14E S25 NESWNE	V-3 - JACOBSEN PLACE	A0004931	NSG
	VERBREE JR	JACK	07S 14E S23 SWNWSW	BRANCHFLOWER #18, 19	A0001637	NSG
	VERBREE JR	JACK	07S 22E S6 NWNENE L1	WELL # 3	A0005324	MVG
	VERBREE JR	JACK	06S 21E S35 NWNWSE	WELL # 1	A0005376	MVG
	VERBREE JR	JACK	06S 21E S36 NWNWSW	WELL # 2	A0005377	MVG
	VISSER	TONY	07S 15E S8 SWNW	Bullers 200 HP	A0001246	NSG

* MVG = Magic Valley Ground Water District

NSG = North Snake Ground Water District

Well information may be duplicated due to multiple owner/operator

ATTACHMENT A

Recipients of IDWR Letter dated January 27, 2010
(sorted by owner name)

Owner Organization Name	Owner/Contact Last Name	Owner/Contact First Name	PLS Legal Description	Diversion Name	Metal Tag Number	Reporting District
	WAITE	RICHARD H	07S 13E S1 NENW	SUPPLEMENTAL WELL	D0008712	NSG
	WARNER JR	THOMAS F	08S 16E S6 NWSENE		A0004940	NSG
	WATERS	LINDA K	09S 20E S5 NWNENW L3		A0003763	NSG
	WATERS	TIM H	09S 20E S5 NWNENW L3		A0003763	NSG
	WILLIE	DANIEL L	08S 21E S24 NESESW	300 HP	A0005311	MVG
	WILLIE	DANIEL L	08S 21E S24 NENESE	200 HP	A0005312	MVG
	WOODLAND	ALAN	07S 23E S22 NESENW	STATION 102	A0004146	MVG
	WOODLAND	MICHAEL D	06S 22E S27 SWSWSW	STA. 420 (EAST WELL)	A0003672	MVG
	WOODLAND	MICHAEL D	06S 22E S27 SWSWSW	STA 439 (WEST WELL)	A0004030	MVG
	WOODLAND	MICHAEL D	06S 22E S33 SENE	STA #440	A0004155	MVG
	WOODLAND	MICHAEL D	06S 22E S19 NESWSE	Sta 524	A0004156	MVG
	WOODLAND	MICHAEL D	06S 22E S28 SESESW	STA #477	A0004157	MVG
	WRIGHT	JOHN W	08S 15E S26 NESESE	IRRIGATION WELL	A0003639	NSG
	YOUNG	ROY M	08S 26E S7 NESESW	M7CD	A0005399	MVG
	YOUNG	ROY M & STEVEN	07S 23E S30 SWSWNW L2	S19	A0003361	MVG
	YOUNG	ROY M & STEVEN	07S 22E S36 SWSWSE	WELL #5	A0003383	MVG
	YOUNG	ROY M & STEVEN	08S 26E S8 NESWSE	M8A	A0005398	MVG
	YOUNG	ROY M & STEVEN	08S 25E S1 SESWSW		A0005400	MVG
	YOUNG	ROY M & STEVEN	07S 26E S32 SENESE	M32	A0005437	MVG
	YOUNG	ROY M & STEVEN	08S 26E S13 NENENE	M13	A0005488	MVG
	YOUNG	ROY M & STEVEN	08S 27E S7 SENWNW L1	M107	A0005500	MVG
	ZOLLINGER	C S	07S 21E S21 SENE	Robertson	A0000476	MVG
BS S LLC 7			10S 21E S17 NESESW		A0013717	NSG
B & H FARMING			07S 24E S5 SENESE	Taylor Farm (1525 N. MER.	A0003522	MVG
BIG SKY DAIRY			07S 15E S6 NESWSW	South Mike's House Pivot #	A0013705	NSG
BLINCOE FARMS INC			08S 23E S16 NESENW	STA #450	A0002540	MVG
BLINCOE FARMS INC			08S 23E S16 NESESW	STA #5 SOUTH WELL	A0002541	MVG
BLINCOE FARMS INC			07S 23E S33 SENW	STA #153	A0002554	MVG
BLINCOE FARMS INC			08S 23E S6 NENENE L1	STA 856	A0002555	MVG
BLINCOE FARMS INC			07S 23E S31 NWSWNE	STA #134	A0002556	MVG
BLINCOE FARMS INC			07S 23E S32 SWSESE	STA #236	A0004136	MVG

* MVG = Magic Valley Ground Water District

NSG = North Snake Ground Water District

Well information may be duplicated due to mulitple owner/operator

ATTACHMENT A

Recipients of IDWR Letter dated January 27, 2010
(sorted by owner name)

Owner Organization Name	Owner/Contact Last Name	Owner/Contact First Name	PLS Legal Description	Diversion Name	Metal Tag Number	Reporting District
BRINEGAR INVESTMENTS L&P	BRINEGAR	EE	08S 22E S31 SENWSE		A0003398	MVG
CARLQUIST BROTHERS			10S 21E S8 SWSWSW		A0013713	NSG
CASSIA FARMS INC			06S 21E S36 NWNWSW	WELL # 2	A0005377	MVG
CRESTVIEW FARMS INC			07S 21E S33 NESENE	PUMP # 3	A0004091	MVG
D M F INC			08S 22E S20 NWNENE	GIBSON FARM	A0003345	MVG
DELIS FARMS INC			08S 22E S14 NESENW	PUMP #4	A0004049	MVG
DUGAN FAMILY FARMS LLC			09S 24E S3 SWNENW L3	Fife 50 HP	A0005364	MVG
DUNCAN LIMITED PARTNERSHIP			07S 25E S25 SESWNE		A0003523	MVG
EAMES ACRES INC			07S 24E S36 SENWSE	#17, 18	A0003521	MVG
G & H DAIRY LLC			08S 15E S7 SWSWSE	GOMEZ FARM S. PIVOT	A0003624	NSG
GLANBIA FOODS			08S 21E S24 NESESW	300 HP	A0005311	MVG
GLANBIA FOODS			08S 21E S24 NENESE	200 HP	A0005312	MVG
GLANBIA FOODS INC			06S 16E S6 SWNENE L1	WELL C	A0005557	NSG
GRANT 4-D FARMS			08S 26E S6 NENWNE L2		A0004140	MVG
GRANT 4-D FARMS			07S 24E S15 SWSWENW		A0005316	MVG
GRANT 4-D FARMS			08S 25E S1 NESE		A0005391	MVG
H & P FARMS			09S 20E S13 SENENE	PUMP #2	A0003493	MVG
H & P FARMS			09S 21E S7 SESENW	PUMP #4	A0005306	MVG
H & P FARMS			09S 21E S7 SESWSW L4	PUMP #3	A0005307	MVG
HAAGSMA FAMILY TRUST			08S 14E S5 SESWNW	HAGERMAN IRRIGATION	A0004932	NSG
HANSEN QUALITY JERSEYS LLC			07S 24E S36 SENENW		A0005325	MVG
HANSEN QUALITY JERSEYS LLC			08S 25E S7 NWNENW		A0005413	MVG
HARDY PROPERTIES L P			08S 14E S27 NESWNE	WATER RIGHT # 36-07510	A0004937	NSG
HILLTOP DAIRY			08S 14E S22 NENESE	Irrigation Well - Unused	A0003575	NSG
IDAHO WATER CO LLC			09S 20E S24 SENWNW	SHARED WELL	A0003491	MVG
IDAHO WATER CO LLC			08S 21E S24 NESESW	300 HP	A0005311	MVG
IDAHO WATER CO LLC			08S 21E S24 NENESE	200 HP	A0005312	MVG

* MVG = Magic Valley Ground Water District

NSG = North Snake Ground Water District

Well information may be duplicated due to multiple owner/operator

ATTACHMENT A

Recipients of IDWR Letter dated January 27, 2010
(sorted by owner name)

Owner Organization Name	Owner/Contact Last Name	Owner/Contact First Name	PLS Legal Description	Diversion Name	Metal Tag Number	Reporting District
KLM FARM			10S 20E S21 NESWNW	BOTT WEST	A0004918	NSG
LONG VIEW DAIRY			08S 16E S29 SESWSE	#3	A0003462	NSG
MAGIC VALLEY FOODS FARM			07S 24E S21 SWNWSE	DIETZ	A0005426	MVG
MAINLINE RANCHES INC			08S 25E S1 SESWSW		A0005400	MVG
MAINLINE RANCHES INC			08S 27E S7 SENWNW L1	M107	A0005500	MVG
NH FARMS LLC			10S 21E S8 NWNESW		A0013706	NSG
NORTHRIDGE LLC			07S 23E S11 SWSWNE	K111A	A0003714	MVG
NORTHSIDE DAIRY			07S 23E S33 NESENE		A0005379	MVG
O K ENTERPRISES			08S 25E S29 NENESE		A0005414	MVG
ORLO H MAUGHAN FAMILY REVOCABLE TRUST			07S 22E S12 SESESE	Ralls; POLE 245	A0003368	MVG
ORLO H MAUGHAN FAMILY REVOCABLE TRUST			07S 23E S17 NWNESE	Larsen; POLE 419	A0005402	MVG
ORLO H MAUGHAN FAMILY REVOCABLE TRUST			07S 23E S17 SWSESE	Sabin; POLE 104	A0005404	MVG
ORLO H MAUGHAN FAMILY REVOCABLE TRUST DTD			07S 23E S21 NESWNW	Wards; POLE 107	A0005403	MVG
OWYHEE RANCHES INC			08S 27E S7 SENWNW L1	M107	A0005500	MVG
PERRY GILLETTE FARMS INC			08S 23E S18 SENWNE L1	ROCKY ACRES	A0002545	MVG
PKD PROPERTIES LC			07S 25E S25 SESWNE		A0003523	MVG
ROTH INVESTMENTS LLC			08S 17E S15 NWNE	WHITE CLOVER SOUTH	A0003439	NSG
ROTH INVESTMENTS LLC			08S 17E S11 NWNW	WHITE CLOVER NORTH	A0003441	NSG
RUBY OVERMAN TRUST			08S 22E S35 SWNESW		A0003474	MVG
S & R INVESTMENTS			06S 23E S31 NESE	K31AB	A0003657	MVG
SAND SPRINGS RANCH AND CO			09S 15E S4 NWNENE L1	NIAGRA IRRIGATION # 1	A0003747	NSG
SCHAEFFER & SCHAEFFER			09S 22E S9 NESESW		A0003485	MVG
SOUTHFIELD DAIRY			08S 14E S14 SESWSE	ISAACS	A0003792	NSG
SOUTHFIELD PROPERTIES			08S 14E S13 NWNWSW	WENDELL FARM	A0003645	NSG
SOUTHFIELD PROPERTIES			08S 14E S12 SWNESE	WEST WELL (JOHNSON'S	A0004069	NSG
SOUTHFIELD PROPERTIES			08S 15E S18 SWNW L2	DOTY	A0004933	NSG

* MVG = Magic Valley Ground Water District
NSG = North Snake Ground Water District
Well information may be duplicated due to multiple owner/operator

ATTACHMENT A

Recipients of IDWR Letter dated January 27, 2010
(sorted by owner name)

Owner Organization Name	Owner/Contact Last Name	Owner/Contact First Name	PLS Legal Description	Diversion Name	Metal Tag Number	Reporting District
SOUTHFIELD PROPERTIES			08S 14E S4 NWSWNW	CLIFFHANGER 1	D0030225	NSG
STALLINGS FARMS INC			08S 25E S3 NWNWNE		A0005429	MVG
THE HULME LIVING TRUST			09S 20E S24 SENWNW	SHARED WELL	A0003491	MVG
WARNER LAND AND LIVESTOCK			08S 16E S6 NWSENE		A0004940	NSG
WESTERN MORTGAGE AND REALTY CO			08S 22E S9 NENWNE	S9A	A0001526	MVG
WESTERN MORTGAGE AND REALTY CO			07S 23E S30 SWSWNW L2	S19	A0003361	MVG
WESTERN MORTGAGE AND REALTY CO			06S 23E S31 NESE	K31AB	A0003657	MVG
WESTERN MORTGAGE AND REALTY CO			07S 23E S11 SWSWNE	K111A	A0003714	MVG
WESTERN MORTGAGE AND REALTY CO			08S 26E S8 NESWSE	M8A	A0005398	MVG
WESTERN MORTGAGE AND REALTY CO			08S 26E S7 NESESW	M7CD	A0005399	MVG
WESTERN MORTGAGE AND REALTY CO			07S 26E S32 SENESE	M32	A0005437	MVG
WESTERN MORTGAGE AND REALTY CO			08S 26E S13 NENENE	M13	A0005488	MVG
WILLIAM M HEPWORTH TRUST			07S 23E S9 SESESW	Cannon North	A0005309	MVG
WLR LC			07S 22E S36 SWSWSE	WELL #5	A0003383	MVG
YOUNG & YOUNG PARTNERSHIP			07S 23E S11 SWSWNE	K111A	A0003714	MVG

* MVG = Magic Valley Ground Water District
 NSG = North Snake Ground Water District
Well information may be duplicated due to multiple owner/operator