

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-22689

Exam Date: 10/11/2012

1. Current Owner: RANDALL SHUMAN
52 MIDDLEFORK RIDGE RD
GARDEN VALLEY ID 83622
(208) 462-3118

And/Or

ELIZABETH SHUMAN
52 MIDDLEFORK RIDGE RD
GARDEN VALLEY ID 83622
(208) 462-3118

2. Accompanied by: Gary Ball
Phone No: (208) 462-2457
Address: 50 Middlefork Ridge Road, Garden, Valley, ID 83622
Relationship to Permit Holder: Neighbor

3. **SOURCE**

WARM SPRINGS CREEK

TRIBUTARY

MIDDLE FORK PAYETTE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

WARM SPRINGS CREEK

NW1/4SW1/4

Sec. 34, Twp 10N, Rge 04E, B.M.

BOISE County

Method of Determination: Arc Map (Aerial Photo); GPS Latitude N. 44°09.187', Longitude W.115°58.537'; Datum – NAD83.

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10N	04E	34											0.7						0.7

Total Acres: 0.7

Method of Determination:

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☐ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
N/A	Unknown			Unknown	(1 1/4")

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
N/A						

2. Measurements: No field measurements. Right holder had pulled the pump from the ditch and winterized the irrigation system.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: (Theoretical Horsepower Equation)

$$Q(1/2\text{-hp}) = 8.8 \times 0.7 \times 0.5/80 + (2.31 \times 20) = 3.08/126.2 = 0.02 \text{ cfs}$$

$$Q(3/4\text{-hp}) = 8.8 \times 0.7 \times 0.75/80 + (2.31 \times 20) = 4.62/126.2 = 0.04 \text{ cfs}$$

$$Q(1/2\text{-hp}) = 0.02 \text{ cfs} < 0.04 \text{ cfs } Q(3/4\text{-hp}) < 0.06 \text{ cfs } Q(\text{permit})$$

HP = 1/2 or 3/4 (Assumed)

P = 20 psi (Right Holder)

Z = 80' (Estimated)

Appears that the current pumping system, assuming a 1/2-hp or 3/4-hp submersible pump, cannot attain the permit diversion rate of 0.06 cfs. Also, the irrigable area is approximately 0.70 acre, not 2.0 acres as stated on the permit. Therefore, recommend a diversion rate of 0.02 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.7 \times 3.5 = 2.5 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \times 246 \times 1.9835 = 9.8 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 2.5 \text{ AFA}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS**WATER SUPPLY SYSTEM:**

Water is diverted from Warm Springs Creek in a small diversion ditch. A 15" slide gate located just downstream from where the ditch intersects Warm Springs Creek, controls the flow in the small diversion ditch. The small ditch extends southeasterly to the lower portion of Middlefork Ridge Road to provide irrigation water to an unknown number of property owners.

IRRIGATION SYSTEM:

The right holder uses a submersible pump, which is placed in a 4" PVC sleeve, to divert water from the small diversion ditch to irrigate approximately 0.7 acres of lawn, landscaping, and garden areas. The tag on the pump was not legible to determine the pump size. The right holder indicated that the size of the submersible pump was less than 1-hp. Therefore, as a comparison, flow calculations were completed for a 1/2-hp and a 3/4-hp pump.

Approximately 300 lineal feet of 1 1/4" PVC suction line from the diversion ditch 'tees' into approximately 250 lineal feet of 1 1/4" PVC irrigation main line, which runs southerly and westerly along the edge of the lawn areas. Four gate valves installed on the 1 1/4" PVC irrigation main line are used for connecting hoses to irrigate the lawn, landscaping, and garden areas.

Have conditions of permit approval been met? ☒ Yes ☐ No

CONDITION NO.3 (01H) – Prior to diversion of water under this right, the right holder shall install a lockable device. The pump breaker/junction box, which is located on the exterior west side wall of the home, has a lockable hatch in which to attach a lockable device to prevent operation of the pump. Right holder has complied with Condition No.3.

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.06	&/or	N/A
Beneficial Use Limit	0.06	&/or	N/A
System Measurement	0.02(theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.02	&/or	N/A

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15 to 10/31	0.020 CFS	2.5 AFA
	<u>Totals:</u>	0.020 CFS	2.5 AFA

2. Recommended Amendments

☐ Change P.D. as reflected above
 ☐ Add P.D. as reflected above
 ☒ None

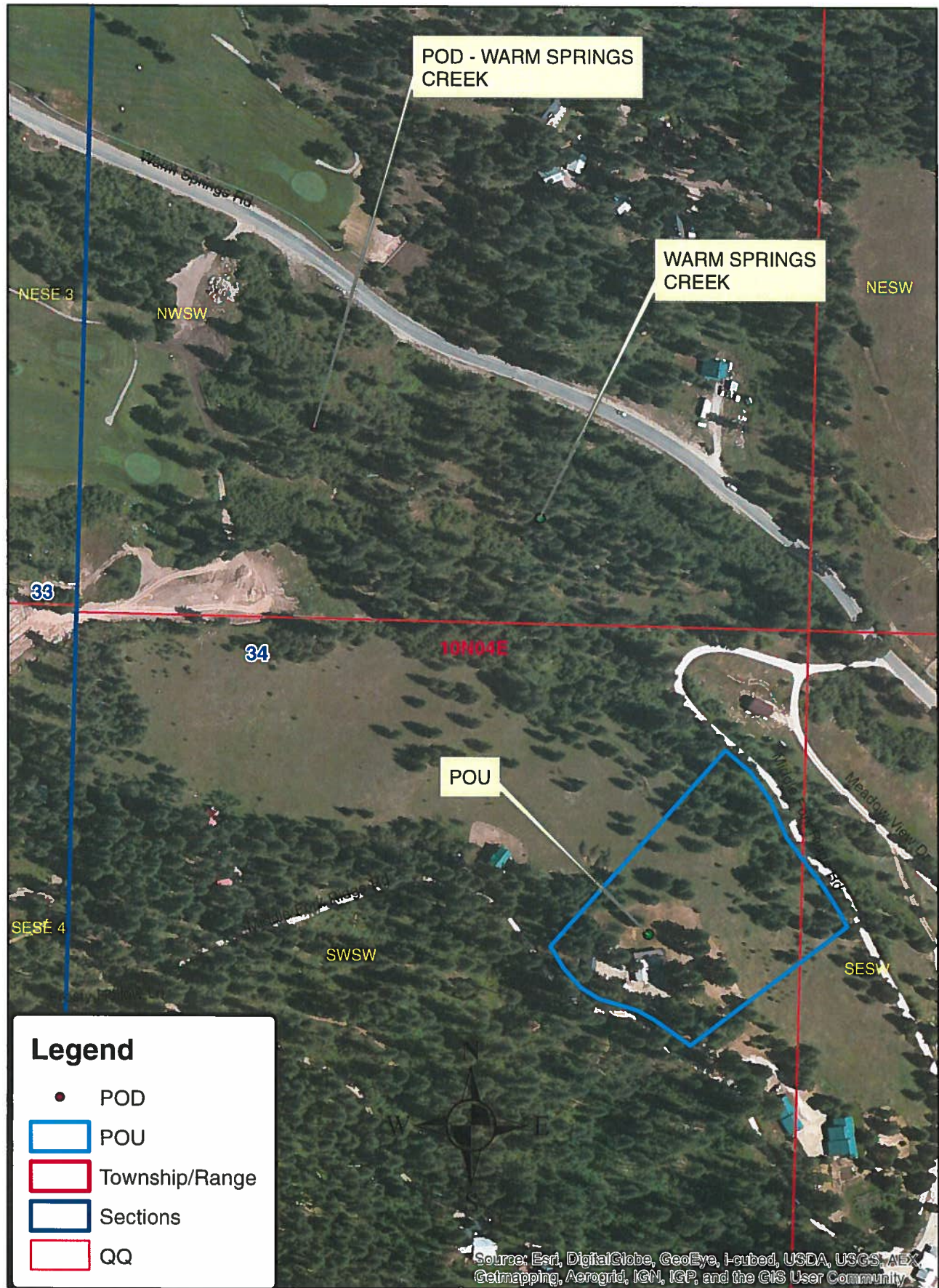
☐ Change P.U. as reflected above
 ☐ Add P.U. as reflected above
 ☐ Other

I. AUTHENTICATION

Field Examiner's Name Rick Collingwood Date 4/1/13
 Reviewer _____ Date _____

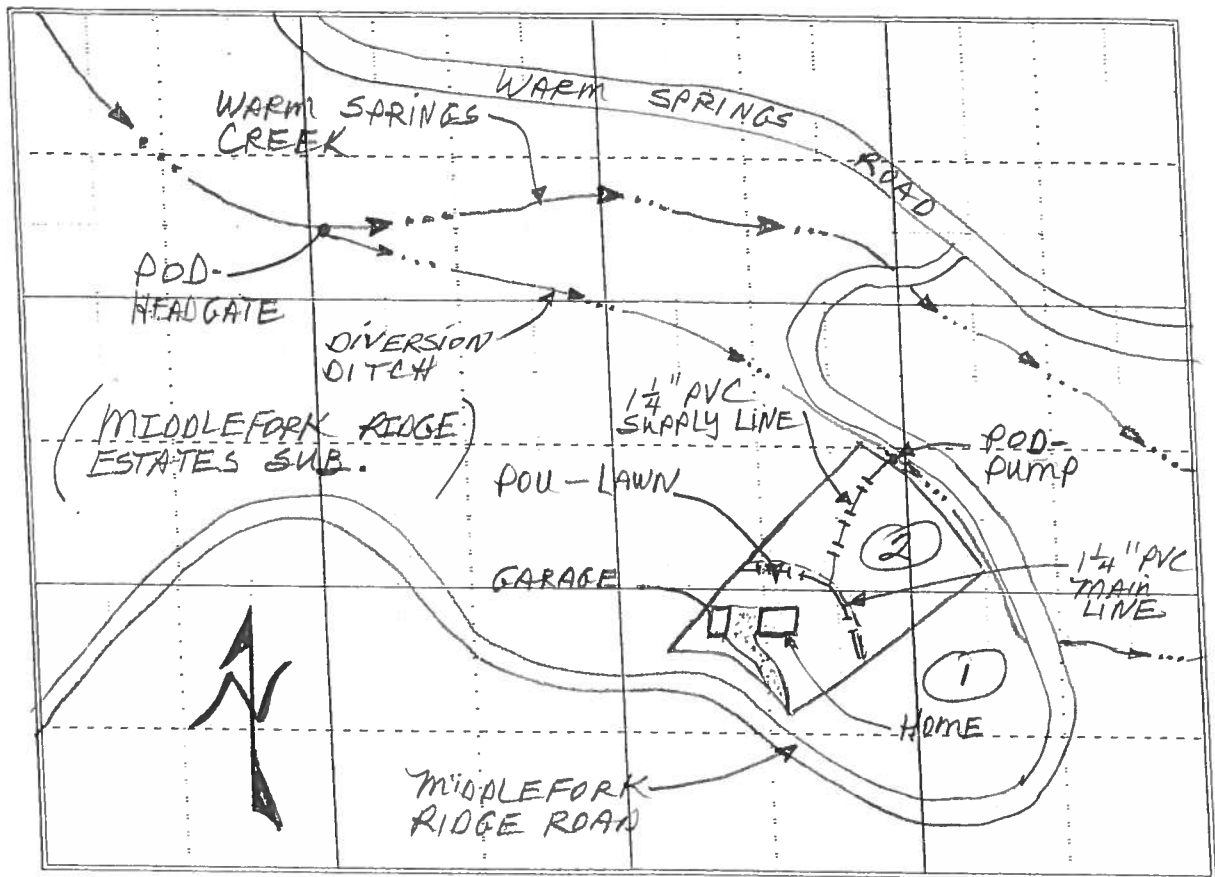
65-22689

ESRI AERIAL PHOTO - 2012



0 80 160 320 480 640
Feet

- 3 **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached



Scale: 1" = NTS

- ☐ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required)
- ☒ Aerial photo attached (required for irrigation of 10+ acres)
- ☒ Photo of diversion and system attached

FIELD EXAM PHOTOS

Water Right Permit: 65-22689

Field Exam Date: 10-11-12

PLS: NW1/4, SW1/4 Section 34, T.10N, R.04E.

Field Examiner: RC



Point of Diversion: View southeasterly of a 15" slide gate in a diversion ditch from Warm Springs Creek. The diversion ditch runs through the right holder's property approximately 1,000 lineal feet from the point of diversion on Warm Springs Creek. The right holder diverts water for irrigation with a submersible pump placed in the diversion ditch.



View of diversion ditch and the right holder's 1 1/4" PVC suction line. Water is diverted from the diversion ditch by a submersible pump. The right holder's home and place of use is approximately 80-feet higher in elevation than the diversion ditch.



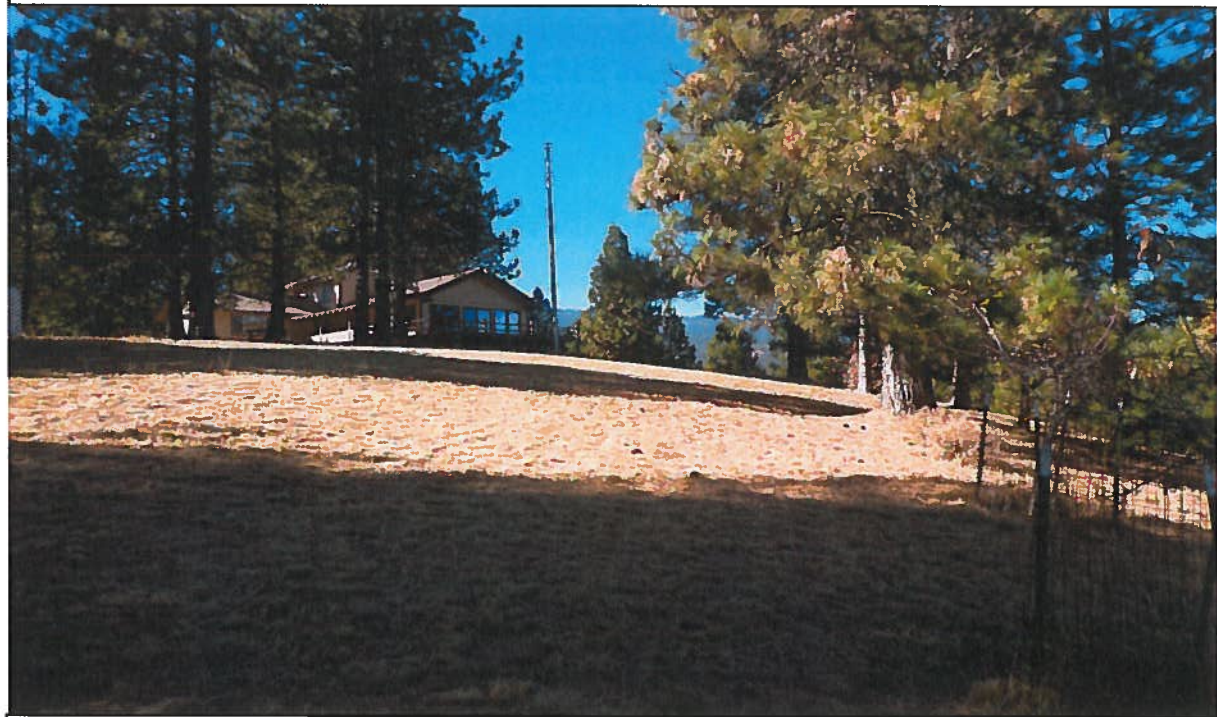
View of the submersible pump and PVC sleeve in which pump is inserted prior to installation in the diversion ditch.



View of the 1 1/4" PVC irrigation main line and a typical irrigation gate valve for hose attachment.



Place of Use: View southerly of the right holder's irrigated lawn and landscaping to the right, and the non-irrigated native vegetation easterly of the home and lawn area. The 1 1/4" PVC main line extends southerly and westerly along the edge of the lawn area.



Place of Use: View westerly of the lawn and landscaping area easterly of the home.

RECEIVED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

MAR 22 2013

ASSIGNMENT OF PERMIT

To change the ownership of a permit

WATER RESOURCES
WESTERN REGION

I, ROGER BELAU, hereby assign to RANDALL AND ELIZABETH SHUMAN
 of, 52 MIDDLE FORK RIDGE RD GARDEN VALLEY, ID 83622
Current owner(s) New owner(s)
New owner's address including city, state and ZIP Phone

All my right, title, and interest in and to Permit No(s): 65-22689 to
 appropriate the public waters of the State of Idaho.

OR (for partial assignments)

The following described portion of my right, title, and interest in and to Permit Number(s):

_____, to appropriate the public waters of the State of Idaho.

Describe in detail the portion of the permit assigned, listing the number of acres in each 40 acre subdivision, point of
 diversion location, and amount of the water in cubic feet per second.

Does the new permit holder own the property at the:

Point of diversion? ☒ Yes ☐ No
 Place of use? ☒ Yes ☐ No

If no, describe the arrangement enabling the new owner to access the point of diversion and/or the place of use:

PER AGREEMENT WITH LANDOWNERDated this 19th day of MARCH, 20 13.Roger Belau
Permit holder

Title (if applicable)

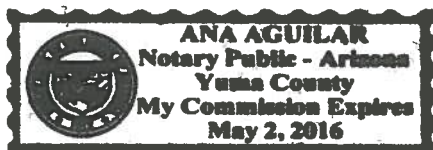
Permit holder

Title (if applicable)

State of Arizona)
da)ss
 County of Yuma)

On this 19 day of march, 20 13, personally appeared before me the signer(s) of the above
 instrument, who duly acknowledged to me that he/she/they executed the same

SEAL



Notary Public

My commission expires: may 2, 2016

October 13, 2012

RECEIVED

OCT 16 2012

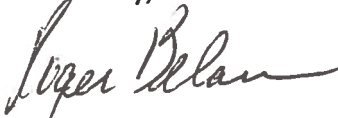
WATER RESOURCES
WESTERN REGION

Rick Collingwood, P.E.

RE: Field Examination for Water Right Permit No. 65-22689

As per your request, please find enclosed a copy of my wife's death certificate. And once again I wish to extend to you my sincere thanks for the extra effort you are doing in the examination of my water right in my absence . It is much appreciated!

Sincerely,



Roger Belau

STATE OF IDAHO
CERTIFICATION OF VITAL RECORD

STATE OF IDAHO
IDAHO DEPARTMENT OF HEALTH AND WELFARE
BUREAU OF VITAL RECORDS AND HEALTH STATISTICS
CERTIFICATE OF DEATH

Date Filed FEBRUARY 01, 2011

State File No. 2011-00827

DECEDENT - LEGAL NAME JOANNE MARGARET BELAU			
SEX FEMALE	SOCIAL SECURITY NUMBER [REDACTED]	AGE 77 YEARS	DATE OF BIRTH OCTOBER 12, 1933
BIRTHPLACE MAYWOOD, ILLINOIS		PLACE OF RESIDENCE GARDEN VALLEY, IDAHO	
MARITAL STATUS AT TIME OF DEATH MARRIED		NAME OF SURVIVING SPOUSE (if wife, maiden name) ROGER E. BELAU	WAS DECEDENT EVER IN U.S. ARMED FORCES? NO
FATHER - NAME FREDERICK LUTKE			BIRTHPLACE MINNESOTA
MOTHER - MAIDEN NAME MARIE ELIZABETH SCHOBERT			BIRTHPLACE MINNESOTA
METHOD OF DISPOSITION CREMATION		FUNERAL SERVICE LICENSEE THOMAS W. BUCK	
NAME AND ADDRESS OF FUNERAL FACILITY POTTER FUNERAL CHAPEL, EMMETT, IDAHO			
DATE OF DEATH JAN. 29, 2011	TIME OF DEATH 10:02 P.M.	CITY, TOWN OR LOCATION OF DEATH GARDEN VALLEY, IDAHO	COUNTY OF DEATH BOISE
CAUSE OF DEATH (underlying cause last) SQUAMOUS CELL CARCINOMA			Approximate Interval Between Onset and Death 3 MONTHS
DUE TO (or as a consequence of): a.			
b.			
DUE TO (or as a consequence of): c.			
DUE TO (or as a consequence of): d.			
OTHER SIGNIFICANT CONDITIONS CONTRIBUTING TO DEATH but not resulting in the underlying cause given above NONE STATED			WAS AN AUTOPSY PERFORMED? NO
MANNER OF DEATH NATURAL		NAME OF CERTIFIER JAMES F. THOMSON, M.D.	TITLE PHYSICIAN
CORONER SUBSEQUENT CERTIFICATION IF NECESSARY			
EXTERNAL CAUSES ONLY			
DATE OF INJURY	TIME OF INJURY	PLACE OF INJURY	INJURY AT WORK?
LOCATION WHERE INJURY OCCURRED			
DESCRIPTION OF HOW INJURY OCCURRED			

This is a true and correct reproduction of the document officially registered and placed on file with the IDAHO BUREAU OF VITAL RECORDS AND HEALTH STATISTICS.

FEBRUARY 01, 2011

DATE ISSUED: _____

This copy not valid unless prepared on engraved border displaying state seal and signature of the Registrar.

James B. Aydelotte
JAMES B. AYDELOTTE
STATE REGISTRAR

75100 (Rev) 07/09

ANY ALTERATION OR ERASURE VOIDS THIS CERTIFICATE



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

September 19, 2012

Roger E. & Joanne M. Belau
31123 Deer Lake Road
Danbury, WI 54830-9202

**RE: Scheduling Field Exam for Water Right Permit No. 65-22689
52 Middlefork Ridge Road, Garden Valley, ID 83622**

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **during the week of October 1, 2012**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal operating conditions during the examination. The permit authorizes the diversion of 0.06 cfs from Warm Springs Creek for irrigation of 2.0 acres.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by September 28, 2012, to conduct the exam during the week of October 1, 2012.** If there is a problem with scheduling or conducting the examination at this time, please let me know so we can reschedule or make other arrangements.

I appreciate your attention to this matter and I look forward to hearing from you.

Sincerely,

Rick Collingwood, P.E.
Water Resource Agent, Sr.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

September 13, 2012

Roger E. & Joanne M. Belau
52 Middlefork Ridge Road
Garden Valley, ID 83622

RE: Scheduling Field Exam for Water Right Permit No. 65-22689

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **during the week of September 24, 2012**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal operating conditions during the examination. The permit authorizes the diversion of 0.06 cfs from Warm Springs Creek for irrigation of 2.0 acres.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by September 21, 2012, to conduct the exam during the week of September 24, 2012.** If there is a problem with scheduling or conducting the examination at this time, please let me know so we can reschedule or make other arrangements.

I appreciate your attention to this matter and I look forward to hearing from you.

Sincerely,

Rick Collingwood, P.E.
Water Resource Agent, Sr.