

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-32176
Exam Date: 10/4/2018

1. Current Owner:
THE DRAKE LLC 25998 HWY 95 PARMA ID 83660
2. Accompanied by: JOSH KLING AND DOUG BATES
Phone No: (208) 489-7488
Address: 950 W BANNOCK ST STE 1050 BOISE ID 83702
Relationship to Permit Holder: JOSH KLING – RANCH MANAGER, DOUG BATES – OWNER

3. **SOURCE:**
UNNAMED SLOUGH

TRIBUTARY:
BOISE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 63-178E and 63-33499 - *DIFFERENT SOURCE THAN 63-32176*
2. Other water rights with the same point-of-diversion: NONE

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

UNNAMED SLOUGH L4 (NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$) Sec. 26, Twp 05N, Rge 05W, B.M. CANYON County

Method of Determination: Field exam, aerial imagery, and ArcMap tools.

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	
05N	05W	26						7.5											7.5
								L 4											

Total Acres: 7.5

Method of Determination: Field exam, aerial imagery, and ArcMap tools.

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.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
N/A	MARATHON	5	BXM 184TBFR7737AP L	PARMA #14	10"

D. FLOW MEASUREMENTS

1.

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

2. Measurements: 3/4" siphon tube flow chart and pump curve.

E. FLOW CALCULATIONS

 X Additional Computation Sheets Attached

Measured Method: See attached charts.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

No volume limits are necessary according to IDAPA 37.03.02.035.01j – viii.

G. NARRATIVE/REMARKS/COMMENTS

System Description:

Water is gravity fed from an unnamed slough through a corrugated metal pipe. Water enters a 5.6 AF capacity pond where water can be pumped out through a 5 Hp pump/foot valve or continue to a dirt ditch cut out of the back end of the pond. The ditch returns water to the Boise River. Once pumped, a 10" PVC pipe dumps water to a concrete ditch. The concrete ditch runs along the field edge next to the slough and Boise River. There are three return flows to the unnamed slough and Boise River. 3/4" siphon tubes are used to flood irrigate the front 6.3 acres. The back 1.2 acres along US – 95 are flood irrigated by overflowing the ditch. Excess water flows to the pond situated parallel with US – 95 and the dirt road.

A storage component is not necessary relative to irrigation storage as the use can be described as flow through. Water is stored in an effort to sustain water levels in the pond. A storage right such as recreation storage or aesthetic storage should be obtained by the user and was communicated during the field exam.

The department typically does not recognize a pond as a source. In this case, the pond consists of the unnamed slough water and is diverted as described above. As such, the source is recommended to be changed from pond to unnamed slough.

Conditions:

Condition 121 and 01H were updated to 103 and R02 respectively and forwarded to licensing. Condition R65, 01R, and R05 were forwarded to licensing.

Ownership:

Permit identifies John Hauck as the owner. A letter was sent to Mr. Hauck with no received response. Current parcel data shows The Drake, LLC as new owners. An assignment of permit was received on 10/15/2018.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
IRRIGATION	03/01 to 11/15	0.15 CFS
	<u>Totals:</u>	0.15 CFS

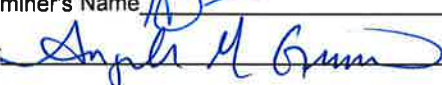
2. Recommended Amendments

 Change P.D. as reflected above Add P.D. as reflected above X None

 Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATION

Field Examiner's Name  Date 11/13/2018

Reviewer  Date 1/4/19

State of Idaho
Department of Water Resources
System Diagram
Permit No. 63-32176



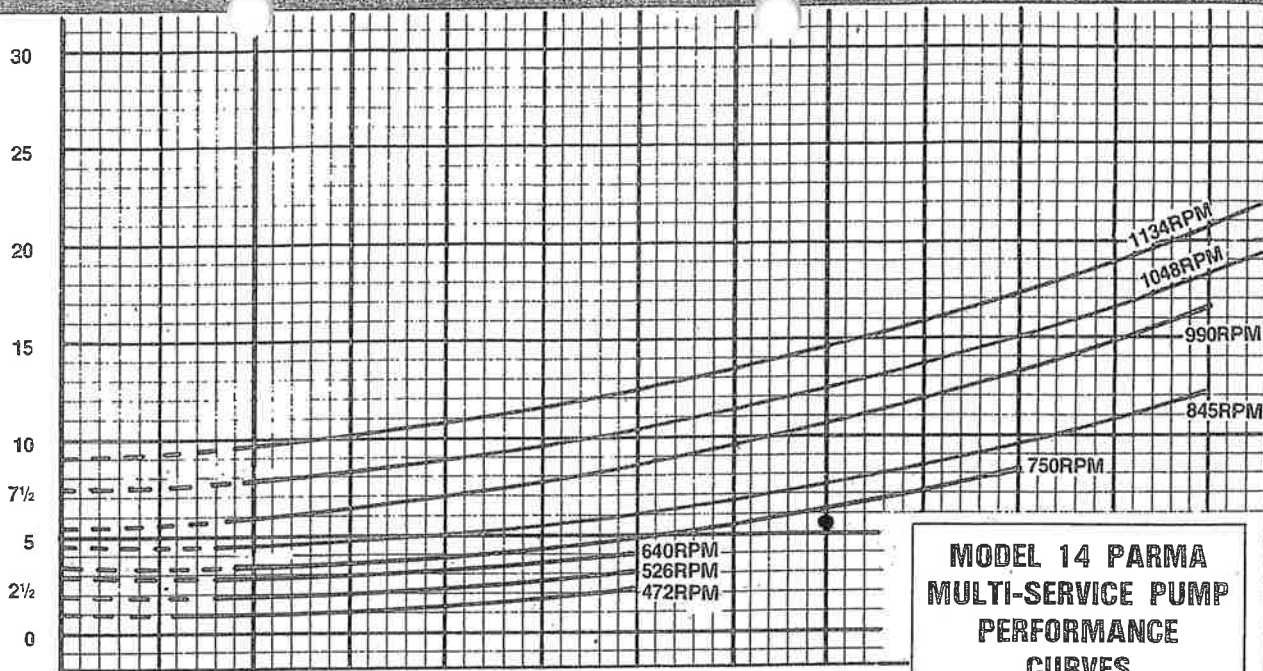
Legend

-  Pond
-  Pump
-  10 inch PVC
-  Concrete Ditch
-  Corrugated Metal Pipe
-  Dirt Ditch

0 0.0275 0.055 0.11 Miles



HORSEPOWER

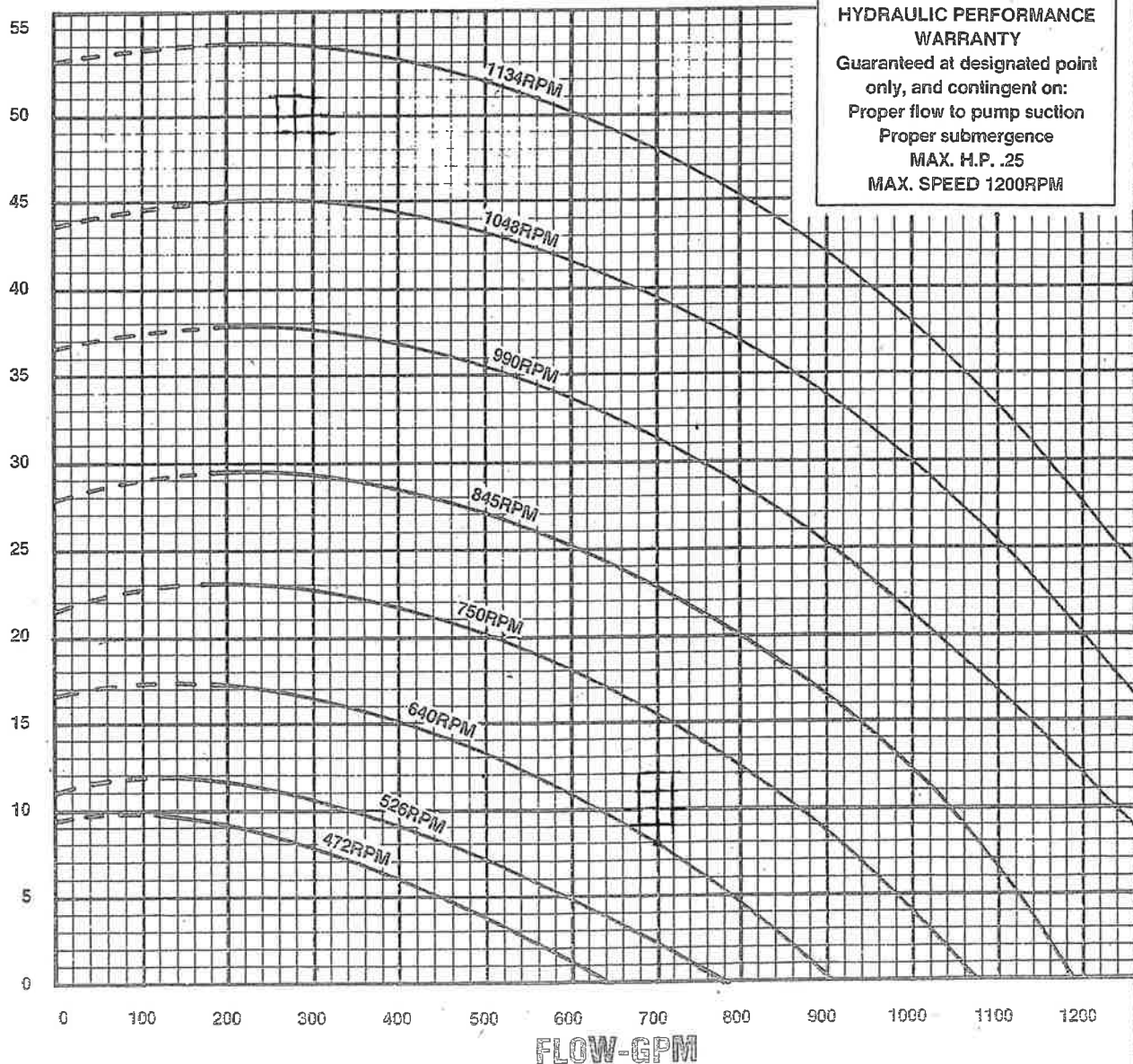


**MODEL 14 PARMA
MULTI-SERVICE PUMP
PERFORMANCE
CURVES**

**HYDRAULIC PERFORMANCE
WARRANTY**

Guaranteed at designated point
only, and contingent on:
Proper flow to pump suction
Proper submergence
MAX. H.P. .25
MAX. SPEED 1200RPM

TOTAL HEAD FEET



--- Pump is not to operate continuously in this area.

SIPHON TUBES

FLOW CHARTS

APPROXIMATE FLOW IN GALLONS PER MINUTE

DIAMETER OF SIPHON	DROP IN INCHES			
	4"	6"	8"	10"
¾" O.D.	3.6	4.4	5.0	5.6
1" O.D.	6.4	7.9	9.0	10.0
1¼" O.D.	10.4	12.7	14.6	16.2
1½" O.D.	14.3	17.5	20.2	22.5
2" O.D.	25.6	31.8	35.9	40.0
3" O.D.	57.2	70.0	80.0	90.0
4" O.D.	102.4	127.2	143.6	160.0
5" O.D.			224.0	250.0
6" O.D.			291.0	330.0

TUBES REQUIRED FOR 1000 GALLONS PER MINUTE

DIAMETER OF SIPHON	DROP IN INCHES			
	4"	6"	8"	10"
¾" O.D.	277	227	200	179
1" O.D.	156	126	111	100
1¼" O.D.	96	79	68	61
1½" O.D.	70	58	50	45
2" O.D.	39	31	28	25
3" O.D.	17	14	12	11
4" O.D.	10	8	7	7
5" O.D.			5	4
6" O.D.			4	3

CRESLINE - WEST, INC.

GENERAL OFFICE: 955 DIAMOND AVENUE · EVANSVILLE, IN 47711 · TELEPHONE (812) 428-9300

FACTORY: 3747 W. BUCKEYE RD., P.O. BOX 6570 · PHOENIX, AZ 85005 · TELEPHONE (602) 269-5161

WAREHOUSE: 1930 W. WHITESBRIDGE ROAD · FRESNO, CA 93706 · TELEPHONE (559) 486-1840

FORM NO. CWAST-1

OCTOBER, 2002

WIDE RANGE OF SIZES AND SHAPES AVAILABLE TO SATISFY YOUR EXACT NEEDS.

ROLLED ENDS - FOR GREATER STRENGTH AND PROTECTION.

AVAILABLE THROUGH FARM SUPPLY DEALERS.

AVAILABLE SHAPES AND SIZES

SINGLE BEND ALUMINUM			
			
SIZES			
¾"	X	60"	
1"	X	60"	
1¼"	X	60"	
1½"	X	60"	
2"	X	60"	
3"	X	60"	

DOUBLE BEND ALUMINUM			
			
SIZES			
¾"	X	60"	
¾"	X	72"	
1"	X	60"	
1"	X	72"	
1¼"	X	60"	
1¼"	X	72"	
1½"	X	60"	
1½"	X	72"	
2"	X	60"	
2"	X	72"	
3"	X	60"	
3"	X	72"	
4"	X	72"	
4"	X	96"	
5"	X	96"	
6"	X	96"	

TRIPLE BEND ALUMINUM			
			
SIZES			
3"	X	90"	
4"	X	96"	
4"	X	120"	
5"	X	96"	
5"	X	120"	
6"	X	96"	
6"	X	120"	

4", 5", & 6" O.D. SIPHON TUBES
ARE EQUIPPED WITH HANDLES

SIZE	¾"	1"	1¼"	1½"	2"	3"	4"	5"	6"
TUBES PER BUNDLE	50	25	25	25	25	10	5	3	3

CRESLINE-WEST, INC.

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Overlap Analysis for Permit No. 63-32176 POD

05N03W26		Process	Basin/Sequence	Draft	Owner	Source	Use	NENE NMNE SWNE SENE NENW NWNW SWNW SENW NESW NWSW SWSW SESW NESE NWSE SWSE SESE TotalAcres																
Water Right	63-32176	N	GOULD, JON C, HAUCK, JOHN	Y	GOULD, JON C, HAUCK, JOHN	POND	GROUND WATER																	
Water Right	63-12057	N	VANDERWEY, AUGUST	N	VANDERWEY, AUGUST	BOISE RIVER	WILDLIFE																	
Water Right	63-201	N	ESTATE OF TINA EST; HOSTETTER, DANA L; MAMMON, JULIA; RANDALL, H L; THE T	N	EST, TINA	BOISE RIVER	GROUND WATER																	
Water Right	63-21151	N	EST, TINA	N	EST, TINA	BOISE RIVER	GROUND WATER																	
Water Right	63-34448	N	BID LLC; HOSTETTER, DANA L; MAMMON, JULIA; THE TINA EST FAMILY LLP	N	BID LLC; HOSTETTER, DANA L; MAMMON, JULIA; THE TINA EST FAMILY LLP	BOISE RIVER	BOISE RIVER																	

Overlap Analysis for Permit No. 63-32176 POU

05N03W26		Process	Basin/Sequence	Draft	Owner	Source	Use	NENE NMNE SWNE SENE NENW NWNW SWNW SENW NESW NWSW SWSW SESW NESE NWSE SWSE SESE TotalAcres																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Overlap, combine use limits will apply



Boise River water is conveyed through the unnamed slough to the pond. Pond levels reflect the slough elevation.

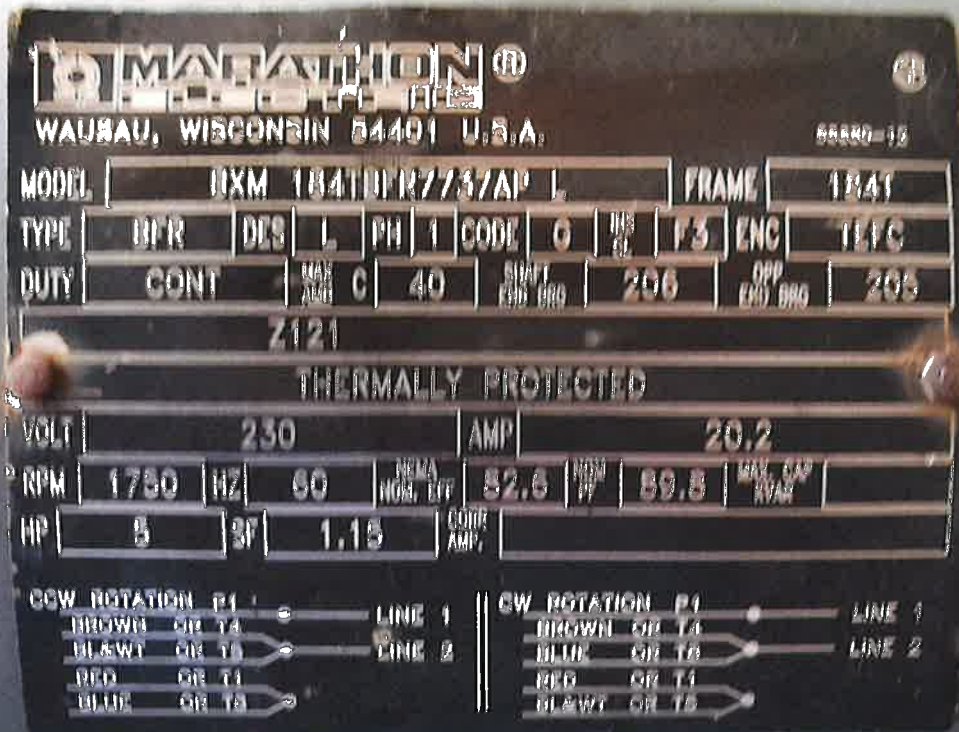
Surface Area = 0.7 acres.

Maximum Depth is 8 feet.

Pond Capacity is 5.6 AF.



Water is diverted from the pond via a 5 Hp pump and 10" PVC pipe that open discharges to a concrete ditch.



Pump name plate.



Power supply for the system.



10" PVC pipe to the concrete ditch.



Discharge in to the concrete ditch. $\frac{3}{4}$ inch siphon tubes are used to flood irrigate.



6.2 acres are irrigated by the siphon tubes.



The concrete ditch runs along the dirt road and the Boise River.



End of the concrete ditch. Water is dumped back in the Boise River via the 12 inch corrugated metal pipe (CMP).



12 inch CMP dumps water back in the Boise River.



Cattle graze in this 1.3 acres. Flood irrigation is used to water the grass and shrubs.



Pond along US-95 that captures runoff and dumps it back in the Boise River.



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

September 20, 2018

COPY

DOUG BATES
THE DRAKE, LLC
777 W MAIN ST STE 900
BOISE ID 83702

RE: Scheduling Field Exam for Water Right Permit No. 63-32176 and 63-32177

Dear Mr. Bates:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit. An examination is needed to verify the water use in order to issue a water right license.

The above-referenced permit authorizes use of **0.15** cfs from a **POND** for **IRRIGATION** use and **13.8 AF** of **WILDLIFE STORAGE** from an **UNNAMED SLOUGH** a tributary of the **BOISE RIVER**. I have enclosed a water permit report and map depicting the permit place of use and point of diversion for your reference.

The current water right permit owner of record is John Hauck. We have been unable to contact Mr. Hauck to schedule a field examination on behalf of the permit owners. Canyon County tax lot information indicates you may own the place of use property associated with this permit. A water right permit is personal property of the permit owner. It remains personal property unless it is assigned to a new owner. I have enclosed the Information for New Landowner handout for your reference.

If a beneficial use of water under the permit was not developed or if developed, but subsequently abandoned, a license cannot be issued. The permit will become void if beneficial use under the permit was not developed or was developed, but is now abandoned.

Please contact me within the next thirty (30) days to either schedule an examination or notify the department a beneficial use was not developed or was abandoned. If you do not respond to this letter by October 22, 2018, the department will void the permit. I appreciate your attention in this matter and I look forward to hearing from you.

Sincerely,

Aaron Skinner
Water Resource Agent, Sr.

Enclosure(s): Water Permit Report and Map
Information for New Landowner

IDAHO DEPARTMENT OF WATER RESOURCES
WESTERN REGION
2735 Airport Way
Boise, Idaho 83705-5082

RETURN SERVICE REQUESTED

RECEIVED

SEP 19 2018

WATER RESOURCES
WESTERN REGION

Associated to letter dated August 14, 2018
↳ new letter sent to property owner on September 20, 2018.

PRESORTED
FIRST CLASS



U.S. POSTAGE PITNEY BOWES
ZIP 83702 \$000.37⁸
02 4W
0000359173 AUG 14 2018

0000359173 AUG 14 2018

NOTE 841 DE 1300 0009/17/18
RETURN TO SENDER
UNABLE TO FORWARD
BC: 83705508235
*2609-00350-47-21



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

August 14, 2018

RECEIVED

SEP 19 2018

WATER RESOURCES
WESTERN REGION

JOHN HAUCK
PO BOX 2137
MC CALL, ID 83638

RE: Scheduling Field Exam for Water Right Permit No. 63-32176 and 63-32177

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit **this season**. An examination is needed to verify the water use in order to issue a water right license.

The above-referenced permits authorize **0.15 cfs** from a **POND** for **IRRIGATION** use and **13.8 AF** of **WILDLIFE STORAGE** from an **UNNAMED SLOUGH** a tributary of the **BOISE RIVER**. **If you have developed a beneficial use and still own the place of use property, please contact me at your earliest convenience to schedule an examination.**

If you did not develop a beneficial use of water under the permit during the beneficial use period, a license cannot be issued and the permit should be relinquished. If that use was developed, but have ceased using the water and you currently carry no interest in it, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

Please contact me within the next thirty (30) days at (208) 334-2190 to either schedule an examination or submit a relinquishment form. If the Department does not received a response by September 14, 2018, your permit will become void. Thank you for your attention to this matter.

Sincerely,

Aaron Skinner
Water Resource Agent, Sr.
Idaho Department of Water Resources
Phone: (208) 334-2190
Email: aaron.skinner@idwr.idaho.gov

Enclosures: Relinquishment of Permit form
Water Permit Report and Map