

RECEIVED
Mar 21, 2023
DEPARTMENT OF
WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
STATEMENT OF COMPLETION
FOR SUBMITTING PROOF OF BENEFICIAL USE

FOR OFFICE USE ONLY
Amt. of Fee \$ _____
Receipt No. _____
Received By _____
Date Received _____

The Idaho Department of Water Resources (Department) considers this form a statement that the permit holder(s) applied water to beneficial use and completed development of a water right to the extent described below. **This form must be accompanied by an examination fee, when necessary, or by a completed Beneficial Use Field Report prepared by a certified water right examiner (CWRE).** Please refer to the instructions and fee schedule for this form. If ownership of the permit has changed, complete a Notice of Change in Water Right Ownership form. If you wish to relinquish your permit because you have not established the authorized water use and are not applying for an extension, please notify the Department in writing.

- Permit No. 63-34079 Name of Permit Holder(s) Chris Emmert
Telephone No. 208-466-3670 Email bsuefarm@yahoo.com
Mailing Address 7180 Bowmont Road City Nampa State ID Zip 83686
- Source of Water ground water If Ground Water (well), Date Drilled mo. 02 / yr. 2020
Drilling Permit/Tag No. D0083597 Drilling Company's Name Treasure Valley Drilling
- Extent of use(s) completed as authorized by the water right permit:
Domestic (No. households) _____ Irrigation (No. acres) 95 Stockwater (No. and stock type) _____
Other _____
- Total diversion rate or volume (storage only) for which proof is submitted 1.90 cfs OR _____ af
If the total developed water use is 5 acres of irrigation or less, is stockwater storage of 14.6 acre-feet or less, or has a diversion rate of less than 0.24 cfs, attach a map of the place of use and point of diversion and photographs showing beneficial use.
- Describe the diversion and delivery system from the water source to the use (pump, lift, irrigation method, etc.)
Well, submersible pump, flow meter, buried pipe, and open ditches for gravity irrigation
- Permit condition compliance. Refer to the permit approval conditions and check all the items required, then check "Yes" or "No" to indicate whether the required items were established, submitted, and/or installed:
Required? Yes No (If "Yes", attach required data, evidence of compliance, or evidence of installation)

☒	☐	☐	Ground water level data, pumping information, or other diversion data
☒	☐	☐	Mitigation plan
☐	☐	☐	Lockable controlling works
☒	☐	☐	Measuring device
☐	☐	☐	Fish screen
☐	☐	☐	Other requirements of the water right permit _____
	☐	☒	Reasonably Anticipated Future Needs ("RAFN") Municipal use

If RAFN Municipal use, additional increment of beneficial use developed? ☐ Yes (attach CWRE report) ☐ No
- Fee Enclosed \$ _____ or ☒ CWRE field report attached or ☐ No fee required
See fee schedule on page 3 of the instructions. Proof statements filed without an appropriate fee are incomplete.
- Person to contact to accompany a Department representative during the field examination of the water system:

Name: _____ Telephone No. _____ Email _____
Mailing Address _____ City _____ State _____ Zip _____

The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted and applied to beneficial use. I understand that any undeveloped portion of the permit is relinquished to the State of Idaho.

Chris Emmert

Chris Emmert

March 16, 2023

SIGNATURE OF PERMIT HOLDER*

PRINTED NAME AND TITLE

DATE

*Attach power of attorney if completing on behalf of permit holder.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

Mar 21, 2023

DEPARTMENT OF
WATER RESOURCES

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

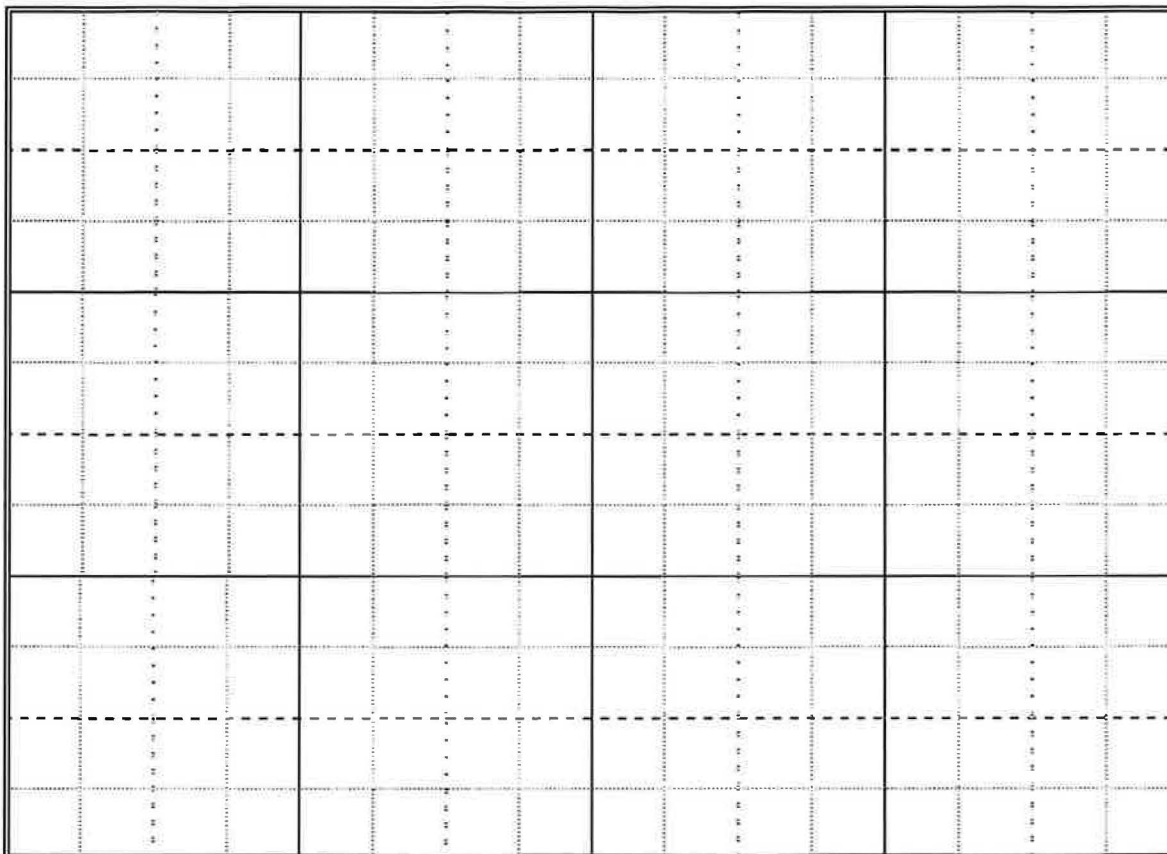
A. GENERAL INFORMATIONPermit No. 63-340791. Owner Chris EmmertPhone No. 208-989-5090Current address 7180 Bowmont Road, Nampa, ID 836862. Examiner's name Terry Scanlan, P.E., P.G.EXAM DATE 7/6/2022 and 3/16/20233. Accompanied by Chris EmmertEmail bsuefarm@yahoo.comAddress 7180 Bowmont Road, Nampa, ID 83686Relationship to permit holder samePhone No. 208-989-50904. Source ground watertributary to NA**B. OVERLAP REVIEW**1. Other water rights with the same place of use Boise Kuna Irrigation District2. Other water rights with the same source and point of diversion None**C. DIVERSION AND DELIVERY SYSTEM****1. Point(s) of Diversion:**

Ident. No.	Gov't Lot	1/4	1/4	1/4	Sec	Twp	Rge	County	Method of Determination/Remarks
			SE	NE	35	2N	2W	Canyon	GIS

2. Place(s) of Use: Method of determination GIS

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
2N	2W	35	15		34	36													85

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" = _____

- ☒ 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

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0083597	submersible	30	submersible	submersible	6-inch

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
flow meter	mag	Growsmar	IM3000	GT18061141	6-inch	Jan 2018 manufact

2. **Measurements:** _____

Flow rate was steady at 679-680 gpm (1.52 cfs) for duration of site visit

E. NARRATIVE/REMARKS/COMMENTS

See attached narrative

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

F. FLOW CALCULATIONS☐ Additional computation sheets attached

Measured Method:
flow meter 1.52 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 85 \text{ ac} \times 4.5 \text{ af/ac} = 382.5 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 1.52 \text{ cfs} \times 260 \text{ days} \times 1.9835 = 784 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \text{Permit is limited by condition to 133 afa.}$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
irrigation	3/1	11/15	1.52 cfs	133 afa
Totals:			1.52 cfs	133 afa

2. Recommended Amendments

- ☐ Change P.D. as reflected on page 1 ☐ Add P.D. as reflected on page 1 ☒ None
☐ Change P.U. as reflected on page 1 ☐ Add P.U. as reflected on page 1 ☐ Other

I. AUTHENTICATIONField Examiner's Signature Terry M. Scanlan Date 3/16/2023

Reviewer _____ Date _____



Narrative.

A 12-inch x 193-foot well equipped with a 30-hp submersible pump provides supplemental irrigation to 85 acres irrigated from concrete and earthen ditches. The well is cased to 38 feet and open hole within basalt and cinders from 38 to 193 feet. Static water level is 81 feet.

The well was constructed in 2020 and first put into service for the 2022 irrigation season.

To mitigate for theoretical depletions to Lake Lowell caused by groundwater pumping under this permit (63-34079), the right holder is required to provide 4.0 acre feet at the New York Canal to Boise Project Board of Control. The right holder is required to also provide 3.0 acre feet related to permit 63-34080. For the 2022 irrigation season, the right holder rented 9 acre feet of water right 63-146 from the Idaho Water Supply Bank under agreement No. 306.

The right holder is required to record the volume of water diverted on a weekly basis. These records are summarized for the 2022 irrigation season on Attachment E and totaled 160.4 acre feet. This volume exceeds the 133-acre-foot volume condition of the water right. The total volume diverted by 63-34079 and 63-34080 in 2022 was 219.7 acre feet compared to a total permitted volume of 235 acre feet. Therefore, although the pumping volume of 63-34079 was exceeded in 2022, adequate mitigation to Boise Project Board of Control was provided because the combined volume under the two permits was less than the authorized total for the two permits.

Attachment A – Field Exam Maps – Aerial Image and Topographic

Attachment B – System Diagram

Attachment C – Well Drillers Report and Pump Receipt

Attachment D – Water Bank Rental Agreement 306

Attachment E – 2022 Diversion Records

Attachment F – Field Exam Photos

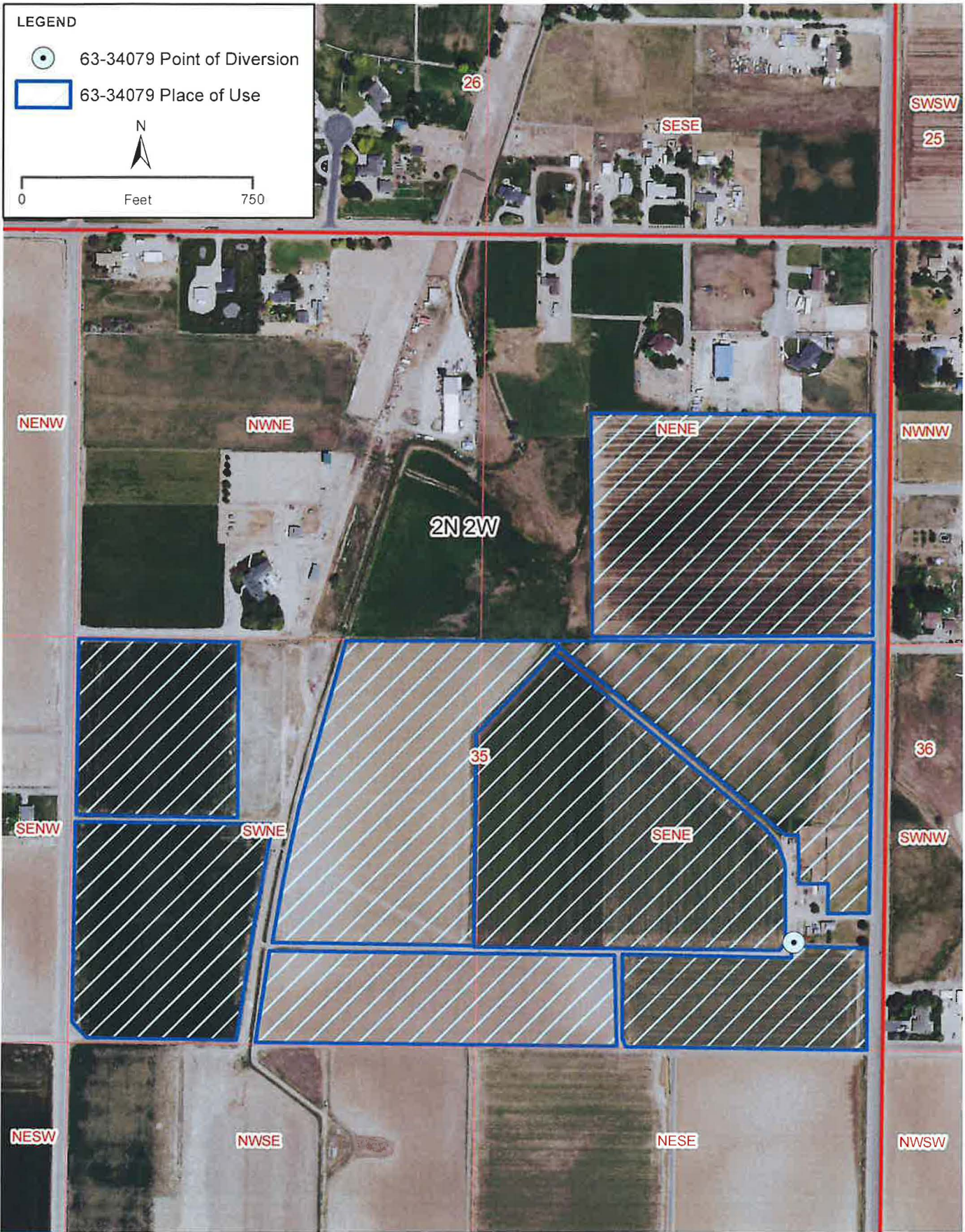
LEGEND

 63-34079 Point of Diversion

 63-34079 Place of Use

N

0 Feet 750



DATA SOURCE: 2021 NAIP

63-34079 BUFE - ATTACHMENT A1

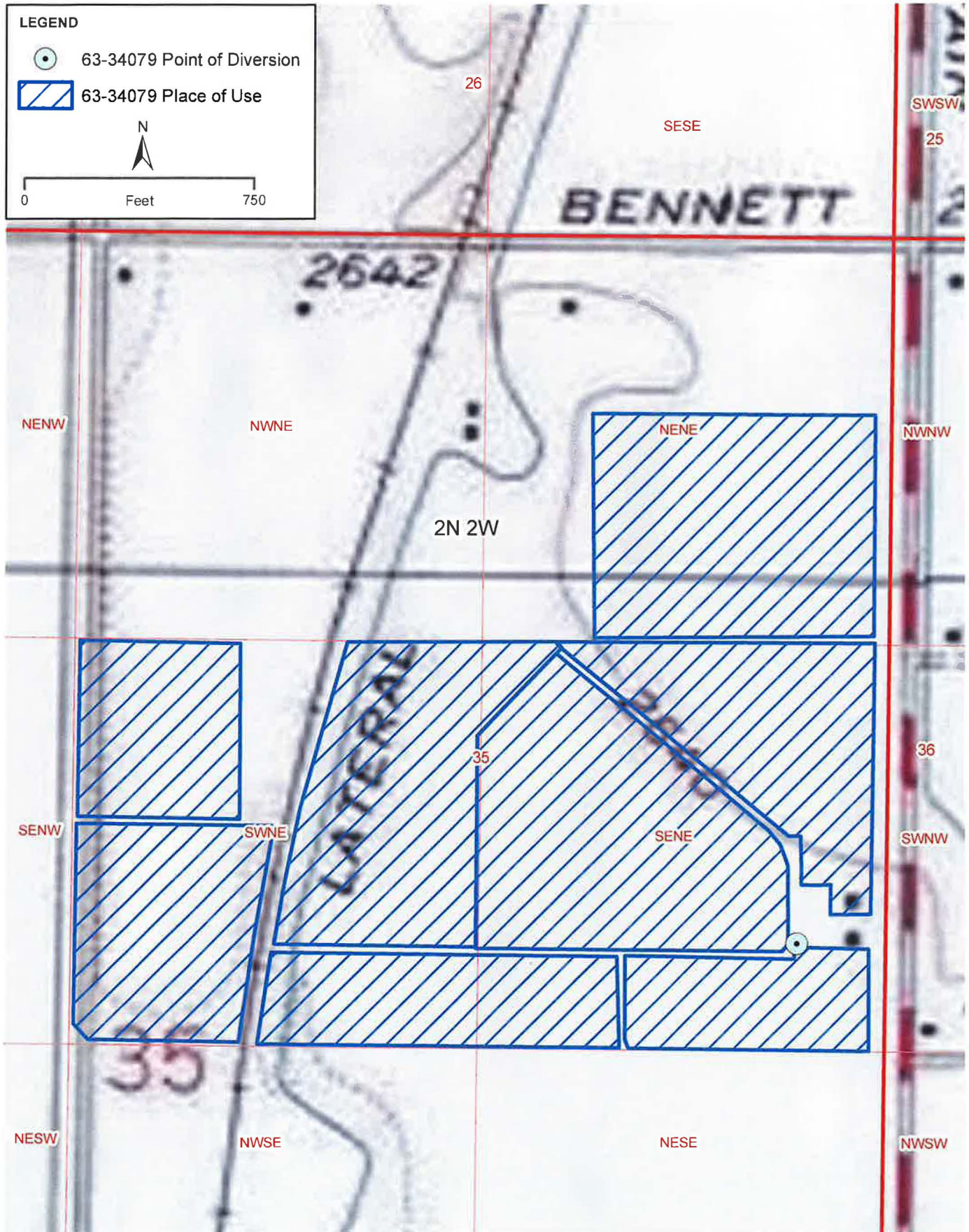
AERIAL PHOTO MAP

CHRIS EMMERT

LEGEND

 63-34079 Point of Diversion
 63-34079 Place of Use


 0 Feet 750



HDR

DATA SOURCE: USA Topo

63-34079 BUFE - ATTACHMENT A2

USA TOPO MAP

CHRIS EMMERT

PATH: S:\PROJECTS\IE THRU H PROJECTS\IE PROJECTS\EMMERT.CHRIS_1247110347925 BENEFICIAL USE FIELD EXAMS\PROJECT\GIS\ARC MAP_PROJECTS\63-34079 BUFE MAP\MXD - USER: LGRAVES - DATE: 1/22/2023

PROJECT #10347925

Attachment B – System Diagram



Water from the well (yellow circle) discharges to an 8-inch buried pipe (dashed purple line) that flows west to the east headbox (red circle), then continues northwest across field to west headbox (green circle).

From east headbox, water can flow east through concrete ditch (red solid lines) to irrigate fields 20 and 21 or north through earthen ditch (light blue solid line). Earthen ditch goes around field 20 and combined with wastewater from fields 20 and 21 can irrigate pasture to the northwest.

From west headbox (green circle), water flows through concrete ditches north to irrigate field 22 and the north portion of field 19 and south to irrigate field 18 and the south portion of field 19, or northwest across canal through a portable pipeline to concrete ditches that irrigate fields 16 and 17.

Attachment C1
IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT1. WELL TAG NO. D 0083597Drilling Permit No. 893005
Water right or injection well # 163-34099

2. OWNER:

Name Chris EmmertAddress 7180 Bowmount RdCity Nampa State ID Zip 83686

3. WELL LOCATION:

Twp. 2 North ☒ or South ☐ Rge. 2 East ☐ or West ☒Sec. 35 SE NE 1 1/4Gov't Lot _____ County LaramieLat. 43 28.064 (Deg. and Decimal minutes)Long. 116 32.059 (Deg. and Decimal minutes)Address of Well Site W 81 side of South side Rd.

(Give at least name of road * Distance to Road or Landmark) City _____

Lot. _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation ☐ Thermal ☐ Injection
☐ Other _____

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
Med Chip	0	38	1850 lbs	Poured

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
12"	+2	38	.250	Steel	☒	☐	☐	☒

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☐ N Method _____Manufactured screen ☐ Y ☐ N Type _____

Method of installation _____

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☐ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 81 Static water level (ft) 81

Water temp. (°F) _____ Bottom hole temp. (°F) _____

Describe access port _____

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
180	300	2 HRS	☐	☐	☒	☐

Test method:

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
16"	0	8	Clay		
16	8	38	Weathered Basalt		
12	38	45	Weathered Basalt		
	45	81	Solid Basalt		
	81	111	Red cinder		X
	111	123	Solid Basalt		
	123	187	Fractured Basalt		X
12	187	193	Brown cinder		

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JUN 22 2020

WATER RESOURCES
WESTERN REGIONCompleted Depth (Measurable): 193Date Started: 2-26-2020 Date Completed: 2-26-20

14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Treasure Valley Drilling Co. No. 560*Principal Driller [Signature] Date 2-27-2020*Driller [Signature] Date 2-27-20

*Operator II _____ Date _____

Operator I [Signature] Date 2-27-20

* Signature of Principal Driller and rig operator are required.

Attachment C2



Burgess Pump & Supply, LLC

706 East Main Street
Middleton, ID 83644

PH: (208) 585-6202

EMAIL: service@burgesspump.com • WEB:

INVOICE

13882

11/1/2020

BILL TO Chris Emmert
7180 Bowmont Rd
Nampa ID 83686

SHIP TO

BURGESS WO#	TECH	CUSTOMER PO#	TERMS	PROJECT
17638	BP	EST # 9318	50% Down / 50%...	IRRIGATION PUMP SYSTEMS
QTY	DESCRIPTION			
	2 (ea) 6" 30HP 460V 3PH Motor w/ 700 - 750 GPM @ 100TDH Pump end, & 2 (ea) Nema size 2.5 Start Panel; 6" Black T&C Pipe, 8/3 Submersible W /Ground Cable & plumbing down the well (pump set 126'); Check Valve, 6" 80 DI (Drilled for draining), well head assembly, misc plumbing, electrical & shop supplies.			

17-11-18-300-1



IDAHO DEPARTMENT OF
WATER RESOURCES

322 E Front Street, Suite 648, Boise ID 83702 • PO Box 83720, Boise ID 83720-0098
Phone: 208-287-4800 • Fax: 208-287-6700 • Email: idwrinfo@idwr.idaho.gov • Website: idwr.idaho.gov

Governor Brad Little

Director Gary Spackman

January 4, 2022

CHRIS EMMERT
7180 BOWMONT RD
NAMPA ID 83686

**RE: RENTAL OF WATER FROM THE WATER SUPPLY BANK
WATER RIGHT NO(S). 63-146, AGREEMENT 306**

Dear Renter:

Please find enclosed a receipt in the amount of **\$180.00** in connection with the rental of 9 acre-feet of water during 2022. Upon receipt of this letter, you are authorized to divert water in compliance with the conditions of water use described in your rental agreement.

Pursuant to the Water Supply Bank Rules, 90% or \$162.00 of the rental fee will be paid to the lessor(s) and 10% or \$18.00 will be retained by the Department to offset administrative costs.

If you have any questions, please contact this office at (208) 287-4936.

Sincerely,

Mary Condon
Water Supply Bank Specialist

Enclosure(s): Receipt No. C111590

c: Sascha Marston – Fiscal

Idaho Department of Water Resources Receipt

Receipt ID: C111590

Payment Amount	\$180.00	Date Received	12/22/2021	Region	STATE
Payment Type	Check	Check Number	8258		
Payer	EMMERT, CHRIS A				
Comments	WATER SUPPLY BANK RENTAL AGREEMENT RENTER NAME: CHRIS EMMERT RENTAL AGREEMENT # 306 FOR WR # 63-146 FOR YEAR 2022				

Fee Details

Amount	Description	PCA	Fund	Fund Detail	Subsidiary	Object
\$162.00	WATER BANK-OWNER SHARE	29512	0490	1		1205
\$18.00	WATER BANK-OWNER SHARE	29512	0490	1		1205



Signature Line (Department Representative)

Attachment E - 63-34079 2022 Weekly Diversion Records			
Date	Flow Meter Reading	Cumulative Gallons	Cumulative Acre Feet
6/20/2022	4.7	4,700	0.0
6/27/2022	7072.7	7,072,700	21.7
7/4/2022	14502.4	14,502,400	44.5
7/11/2022	20041.3	20,041,300	61.5
7/18/2022	26652.7	26,652,700	81.8
7/25/2022	33304.1	33,304,100	102.2
8/1/2022	38446.9	38,446,900	118.0
8/8/2022	43550.8	43,550,800	133.7
8/15/2022	45956.6	45,956,600	141.0
8/22/2022	52254.5	52,254,500	160.4
8/29/2022	52254.5	52,254,500	160.4

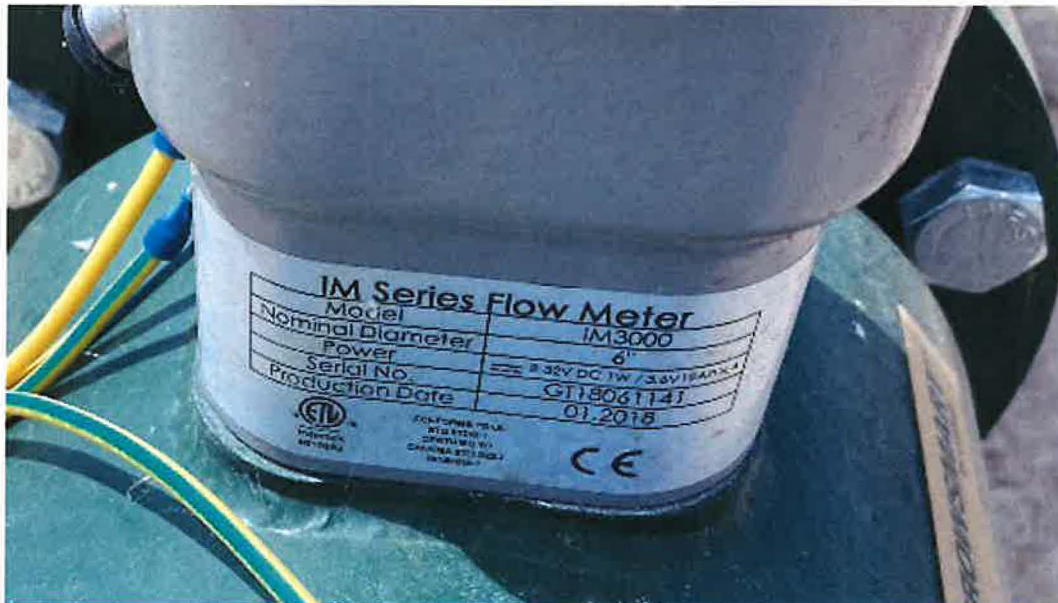
Attachment F – Field Exam Photos



Well head, flow meter, and mechanical pipe.



Flow meter display – 679.57 gpm = 1.52 cfs



Flow meter nameplate



West headbox with field 19 in background



West headbox equipped with pipe to deliver water to fields 16 and 17



Discharge from west headbox to ditch at field 16

Hersley, Jean

From: Scanlan, Terry <Terry.Scanlan@hdrinc.com>
Sent: Tuesday, March 21, 2023 10:46 AM
To: IDWR File; Ritter, Ashley
Subject: 63-34079 Proof Statement and Beneficial Use Field Report
Attachments: 63-34079 BU Field Report.pdf; 63-34079 Proof.pdf

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

Ashley,

On behalf of Chris Emmert, attached is a Statement of Completion for Submitting Proof of Beneficial Use for permit 63-34079. Please let me know if there is anything else needed for licensing of this permit. Thanks.

Terry M. Scanlan, P.E., P.G.

Principal Engineer

We are now HDR | SPF

412 E. Parkcenter Boulevard., Suite 100

Boise, ID 83706

D +1.208-872-9530 **M** +1.208-861-4758

Terry.Scanlan@hdrinc.com

hdrinc.com/follow-us

spfwater.com

Memorandum

Date: September 12, 2023

From: Blake Burkard

To: Water Right Files 63-34079 & 63-34080

Subject: Licensing Review of Certified Water Right Examiner Report

Permits 63-34079 and 63-34080 authorize two ground water diversions for irrigation of land approximately six miles southeast of Lake Lowell. Both permits were applied for as supplemental ground water irrigation sources and were protested by the Boise Project Board of Control due to concerns of the cumulative effects that the ground water withdrawals may adversely affect senior water rights in the Lake Lowell vicinity.

To mitigate for the modeled effects on Lake Lowell, the applicant was required to make 4.0 acre-ft and 3.0 acre ft, respectively, available to the Boise Project Board of Control at the New York canal for use within its member irrigation districts. Volume limits were also conditions of approval and the total anticipated diversion volumes were divided proportionally based on acreage: 133 acre-ft for 95 acres, and 102 acre-ft for 73 acres, respectively.

The beneficial use field exams for permits 63-34079 and 63-34080 were submitted by Certified Water Right Examiner (CWRE) Terry M. Scanlan, P.E., P.G., and received on March 21, 2023. The purpose of this memo is to review the recommendations made in the field exam.

Ownership:

Chris Emmert is the applicant and permit holder for permits 63-34079 and 63-34080. Proof statements were signed by Emmert, but the proof statements and field reports were submitted by the CWRE. Written evidence of authority to file is not needed.

An amendment for the place of use description of permit 63-34080 was recommended by the CWRE. Scanlan does not have authority to sign the amendment, so it will be sent to Emmert to sign, if approved.

Overlap:

Both permits are for supplemental ground water irrigation use. Surface water shares from Boise Kuna Irrigation district are used as a primary source. Overlap is not a concern as there are no additional supplemental water rights and certain conditions of approval prevent enlargement.

Point of Diversion and Place of Use:

The legal description of the point of diversion for each permit is confirmed in the field exam report submitted. Irrigation acreage to the nearest acre was determined, and GIS can confirm the accuracy. The field report for permit 63-34080 documented irrigation in Lot 3 NE¼NW¼ of Section 1, which was not permitted. An amendment was recommended by the CWRE.

Diversion Rate and Volume:

The examiner provided instantaneous flow rate measurements using an approved flow meter for both permits. Rates are given below:

	Recommended Flow Rate (cfs)	Permitted Flow Rate (cfs)
63-34079	1.52	1.90
63-34080	1.18	1.46

Given both wells divert to headboxes, assuming no pressure head, the pump specifications given are theoretically capable of diverting at these rates.

The examiner recommended the permitted volume for both permits. Conditions of approval required the permit holder to install a totalizing flow meter for each diversion and to record weekly diversion volumes. In 2022, the only year that the irrigation system had operated, permit 63-34079 had diverted 160.4 acre-ft, though it was only permitted for 133 acre-ft. An email was sent to the examiner and the permit holder requesting an operation plan that would detail how the permit holder would intend on not exceeding the volume limits described on the permit. An operation plan was received on September 5, 2023, describing how the totalizer can be used as a forecasting device and that the permit holder could anticipate when the volume limit would be reached. I recommend licensing these permits for the quantities recommended by the CWRE. I also recommend adding these water rights to the WMIS network to monitor compliance with the volume limits.

Conditions:

The examiner indicated that the permit holder had met all conditions of approval, including mitigation requirements and measuring device requirements. Individual conditions were not discussed.

All conditions related to proof submittal and project/well construction were followed and can be removed. Conditions 065 should be replaced by 943 and R62 should be replaced by WB7 in order to update the supplemental ground water right conditions.

Burkard, Blake

From: Burkard, Blake
Sent: Monday, September 11, 2023 4:18 PM
To: Scanlan, Terry
Subject: RE: Certified Water Right Examiner Report for 63-34079 and 63-34080

Terry,

I believe that the operation plan is adequate, as does Justin Shearer, who will be reviewing my review memo. If approved by a water rights supervisor, we will also be adding these rights to our annual water delivery measurement network for added assurance in regards to compliance.

Blake Burkard

From: Scanlan, Terry <terry.scanlan@hdrinc.com>
Sent: Tuesday, September 5, 2023 1:58 PM
To: Burkard, Blake <Blake.Burkard@idwr.idaho.gov>; IDWR File <file@idwr.idaho.gov>
Cc: bsuefarm@yahoo.com
Subject: RE: Certified Water Right Examiner Report for 63-34079 and 63-34080

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

Blake,

An operation plan is attached. Let me know if this is adequate. Thanks.

Terry M. Scanlan, P.E., P.G.
D 208-872-9530 M 208-861-4758

hdrinc.com/follow-us

From: Burkard, Blake <Blake.Burkard@idwr.idaho.gov>
Sent: Friday, September 1, 2023 11:24 AM
To: Scanlan, Terry <terry.scanlan@hdrinc.com>
Cc: bsuefarm@yahoo.com
Subject: Certified Water Right Examiner Report for 63-34079 and 63-34080

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Terry,

I am currently reviewing the beneficial use field exam reports for permits 63-34079 and 63-34080. Approval conditions limited the annual diversion volumes to 133 and 102 acre-ft, respectively. The attached weekly pumping volumes for 63-34079 documented that the permit had exceeded its volume limit. While it is understood that the overall diversion volume between the two permits had been mitigated for adequately, the Department has concerns about licensing the

permits without an operational plan or some additional action that would keep the water rights within compliance of their respective volume limits.

Under permit 63-34079, Emmert diverted 160.4 acre-ft over 85 acres, which is approximately 1.9 acre-ft per acre. Emmert diverted approximately 0.8 acre-ft per acre under 63-34079. An acceptable operation plan could involve a more even distribution of the available surface water.

When an operation plan is developed, please email it to file@idwr.idaho.gov attn: Blake Burkard. Feel free to contact me with any questions you may have.

Regards,

Blake Burkard
Engineer Intern
(208) 287-4870
blake.burkard@idwr.idaho.gov





RECEIVED

Sep 05, 2023

DEPARTMENT OF
WATER RESOURCES

Memo

Date: Tuesday, September 05, 2023

Project: Chris Emmert Water Rights

To: Blake Burkard – blake.burkard@idwr.idaho.gov

From: Terry Scanlan, P.E, P.G. – HDR Engineering

cc: Chris Emmert - bsuefarm@yahoo.com

Subject: Operation Plan for Water Rights 63-34079 and 63-34080

Water rights 63-34079 and 63-34080 are limited to annual volumes of 133 acre feet and 102 acre feet, respectively. These volume limits are based on the annual mitigation volumes provided by the water right holder to the Boise Project Board of Control.

Two methods will be implemented to prevent exceedances of the volume limits in the future.

- The right holder shall record diversion volumes on a weekly basis and cease diversions when the volumes reach the annual limits. The wells supplying both water rights are equipped with magnetic flow meters with totalized flows reading in 1000-gallon increments. For 63-34079, the annual volume shall not exceed 43,338,050 gallons (43,338 on meter). For 63-34080, the annual volume shall not exceed 33,237,000 gallons (33,237 on meter). At the start of each irrigation season, these volumes shall be added to the beginning meter reading and recorded on the log sheet as the annual volume limit for that year. The operator can then easily monitor pumping throughout the irrigation season to prevent exceeding the annual limits recorded on the log sheet.
- For irrigation planning purposes, the estimated number of pumping days at the current diversion rates can be used to forecast water use. Assuming pumping of 63-34079 at 1.52 cfs, the pump can be operated for a total of 44 days. Assuming pumping of 63-34080 at 1.18 cfs, that pump can likewise be operated for 44 days. Actual pumping days will be longer if the pumps are operated at less than full capacity. Under this method, the operator should begin to pay close attention to actual diversion volume if a pump is operated for more than 40 days in any irrigation season.