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Form 219 07/11
MAY 29 2020

DEPARTMENT OF
WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

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MAY 29 2020

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 INFORMATION

Permit No. 63-33864

1. Owner Gardner Mace Ranch LC Phone No. 208-246-8909

Current address c/o Weston Arnell, Gardner Company, 800 W Main St, Ste 1220, Boise, ID 83702

2. Examiner's name Scott N. King EXAM DATE November 18, 2019

3. Accompanied by Weston Arnell Email _____

Address 101 S Capitol Blvd Ste 1201

Relationship to permit holder _____ Phone No. 208-246-8909

4. Source Ground Water tributary to _____

B. OVERLAP REVIEW

Eagle Water Co, United Water Idaho Inc, 63-34330 (pmt)

1. Other water rights with the same place of use 63-16272, -16373, -182, -216A, -161CF, -182, -34329 (pmt)

2. Other water rights with the same source and point of diversion _____

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion: See attachment B.

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks

2. Place(s) of Use: Method of determination GPS, Aerial Imagery

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
4N	1E	17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			L 1	L 2	L 2	L 1			L 4	L 3		L 4							
		18				X													
						LT													

X = Aesthetic and Recreation storage

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

*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

2. **Measurements:** _____

Volume measurements are based on pond design plans with adjustments for actual pond area. Pond area determined with GIS and aerial imagery.

E. NARRATIVE/REMARKS/COMMENTS

Twelve ponds constructed by excavating native material and intercepting shallow groundwater. Pond volumes and areas as permitted based on construction design plans were adjusted based on actual constructed area. See Pond Details spreadsheet in Attachment C.

Boise River water rights 63-182, 63-216A, 63-161CF are diverted into Ponds where the irrigation portions are subsequently pumped from Pond 6.

Pond surface area is 23.8 acres.

Pond storage volume is 323 acre feet.

The points of diversion (Ponds) are not overlapped by other water rights' points of diversion, except that Pond 6 is identified as a point of diversion for permit 63-33864.

The place of use is overlapped by other water rights' places of use as identified in Part B.1. This Permit 63-33864 authorized development shallow ground water to fill the ponds for Aesthetic and Recreation storage, with evaporative losses mitigated by transfer 78885 that changed a portion of right 63-182 to offset evaporation. Permit 63-34330 authorized diversion from Pond 6 to recirculate water through the pond system. Permit 63-34329 authorized development of a well to supply ground water for aesthetic and recreation uses in the ponds; this permit has not been developed. No combined use limits are recommended.

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:

See Attachment C.

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I,R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____

$V_{D,R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____

$V = \text{Smaller of } V_{I,R} \text{ and } V_{D,R} =$ _____

2. Volume Calculations for Other Uses:

Storage and Recreation Storage Capacity is 323 acre feet.

Pond evaporation accommodated by water right 63-182 per Transfer No. 78885.

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Aesthetic Storage	1/1	12/31	_____	323
Recreation Storage	1/1	12/31	_____	323
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			_____	323

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. AUTHENTICATION



Field Examiner's Signature Scott N. King Date 5/29/2020




Reviewer _____ Date _____

Attachment A
Field Exam Map




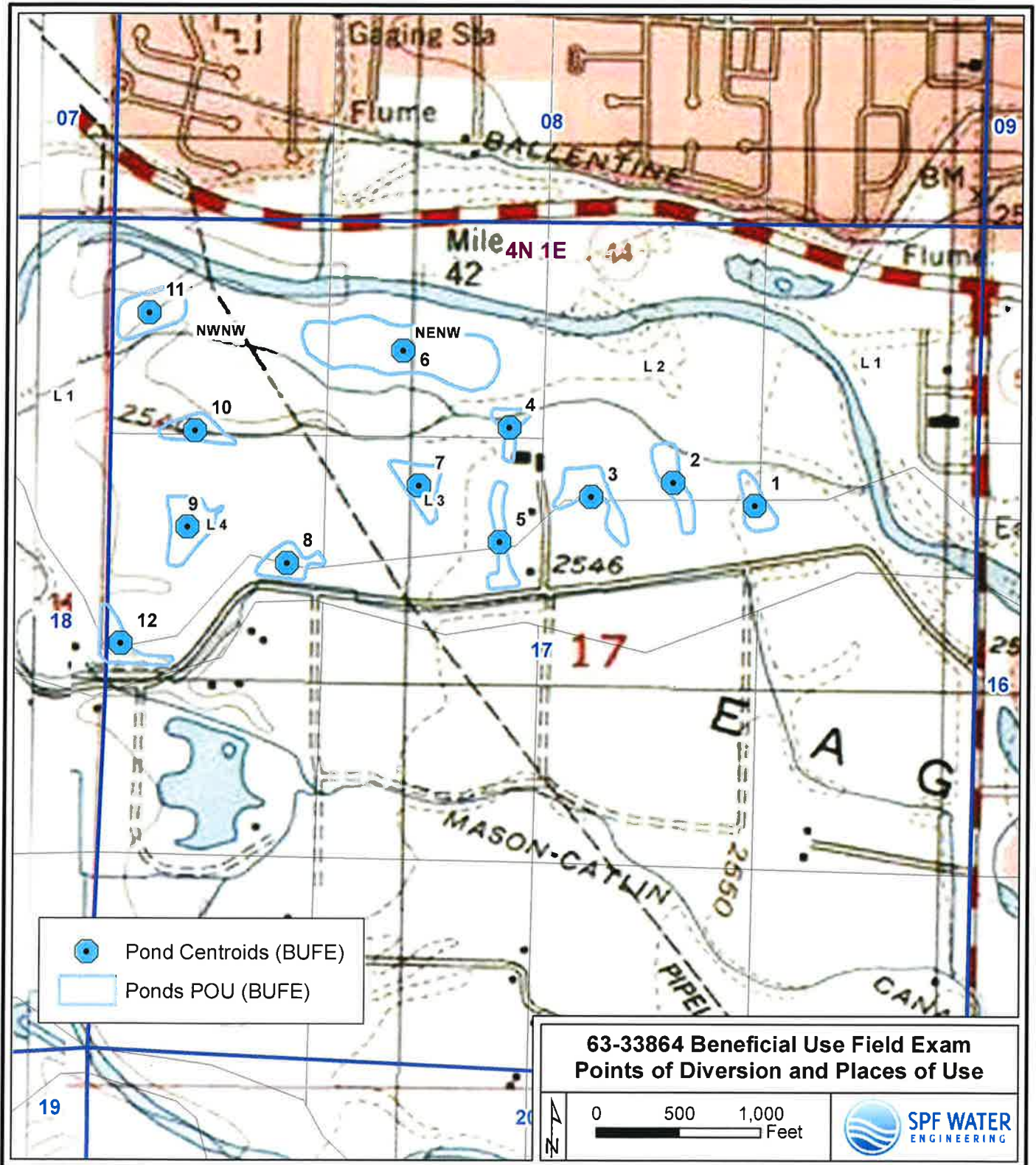
-  Pond Centroids (BUFE)
-  Ponds POU (BUFE)



**63-33864 Beneficial Use Field Exam
Points of Diversion and Places of Use**


0 500 1,000
Feet


NAIP 2019 Image

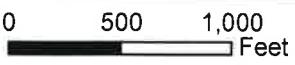





-  Pond Centroids (BUFE)
-  Ponds POU (BUFE)

**63-33864 Beneficial Use Field Exam
Points of Diversion and Places of Use**







Attachment B
System Components and Diagrams

C. DIVERSION AND DELIVERY SYSTEM

1. Points of Diversion

Ident No.	Twp	Rge	Sec	Govt Lot	1/4	1/4	1/4	County	Method of Determination/Remarks
Pond 1	4N	1E	17	2		SW	NE	Ada	Aerial Imagery
Pond 2				2		SW	NE	Ada	Aerial Imagery
Pond 3				2		SW	NE	Ada	Aerial Imagery
Pond 4						NE	NW	Ada	Aerial Imagery
Pond 6						NE	NW	Ada	Aerial Imagery
Pond 10						NW	NW	Ada	Aerial Imagery
Pond 11						NW	NW	Ada	Aerial Imagery
Pond 8				4		SW	NW	Ada	Aerial Imagery
Pond 9				4		SW	NW	Ada	Aerial Imagery
Pond 12				4		SW	NW	Ada	Aerial Imagery
Pond 5				3		SE	NW	Ada	Aerial Imagery
Pond 7				3		SE	NW	Ada	Aerial Imagery

Attachment C
Flow Rate and Volume Calculations

Attachment D
Exam Photos



Figure 1: Pond 1 inflow from Permit 63-34330. Other ponds are similar.

Attachment E
Proof of Beneficial Use

CM

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 considers this form a statement by the permit holder(s) that development of a water right has been **completed** and that water has been applied to beneficial use 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.** Please refer to the instructions and fee schedule for this form. If ownership of the permit has changed, contact any Department office or visit the Department's website at idwr.idaho.gov for an *Assignment of Permit* form. If you wish to relinquish your permit because you have not established the authorized use of the water and are not applying for an extension, please notify the Department in writing.

1. Permit No. 63-33864 Telephone No. 208-246-8909

2. Name of Permit Holder(s) Gardner Mace Ranch LC

3. Mailing Address 101 S. Capitol Blvd, Ste 1700 City Boise
State ID Zip 83702 Email _____

4. Source of Water Ground Water If **GROUND WATER** (well), Date Drilled mo. _____ / yr. _____
Well Driller _____ Drilling Permit Number _____

5. Extent of use(s) completed **as authorized by the water right permit:**
Domestic (No. of households) _____ Stockwater (No. and type of stock) _____
Irrigation (No. of acres) _____ Other 12 ponds

6. Total rate of diversion or storage volume for which proof is submitted _____ cfs OR 341 acre-feet.

7. Compliance with a measuring device requirement, lockable controlling device requirement, and/or other conditions of permit:
Refer to the approval conditions on your permit and respond accordingly.
The Department will not issue a license if permit conditions are not met.

Measuring Device	Is a measuring device required?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	If yes, has the measuring device been installed?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Lockable Controlling Device	Is a lockable device required to control the diversion?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	If yes, has the lockable device been installed?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Fish Screen	Is a fish screen required?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	If yes, has the fish screen been installed?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Other Conditions of Permit

Do the approval conditions on your permit require you to submit additional information in connection with your proof of beneficial use? If yes, list the conditions below and attach documents with the required information.

_____ Completed? Yes No

8. Fee Enclosed \$ n/a or not applicable . See fee schedule on page 2 of the instructions.
Proof statements filed without an appropriate fee, will be considered incomplete.

9. Person to contact to accompany the Department representative during field examination of the water system.
Name n/a - exam by SPF Telephone Number _____
Mailing Address _____ City _____
State _____ Zip _____ Email _____

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 a beneficial use. I understand that any undeveloped portion of the permit is relinquished to the State of Idaho.

Signature of Permit Holder Water Cell Project Manager Date 9/19/19
(Include your title, if on behalf of company or organization)

Mail to: Idaho Department of Water Resources, PO Box 83720, Boise, ID 83720-0098



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DEPARTMENT OF
WATER RESOURCES

May 29, 2020

Idaho Department of Water Resources
PO Box 83720
Boise, ID 83720-0098

Attn: Darla Block and/or Dan Nelson

*Subject: Gardner Mace Ranch LC
Permit Nos. 63-33864 & 63-34330
Beneficial Use Field Reports and Statements of Completion*

Dear Darla and Dan,

Enclosed on behalf of Gardner Mace Ranch LC are completed Beneficial Use Field Reports for the above-referenced permits and signed Statements of Completion. If you would like digital shapefiles of the points of diversion or places of use, please let me know and I will forward them to you.

Please let me know if you have any questions regarding these documents.

Sincerely,

A handwritten signature in blue ink that reads "Scott N. King".

Scott N. King, P.E.
Project Manager

CWRE No. 133

Enclosures

cc: Weston Arnell (letter only)

File: 998.0010