STATE OF IDAHO DEPARTMENT OF WATER RESOURCES BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23554 **Exam Date:** 02/14/2020

Current Owner:

META LIND 433 SANDRA PL EAGLE ID 83616-5351

2. In-office qualification (IDAPA 035.01,r):

Total diversion rate ≤ 0.24 cfs and irrigation of less than 5 acres

3. SOURCE:

MIDDLE FORK PAYETTE RIVER

Tributary
PAYETTE RIVER

Method of Determination: Aerial imagery, photographs

B. OVERLAP REVIEW

1. Other water rights with the same place of use:

NO Overlap

Water Right No.	Source	Purpose of Use	Basis	
ll				

Comments: No POU Overlap

2. Other water rights with the same point-of-diversion:

NO Overlap

Water Right No.	Source	Purpose of Use	Basis	

Comments: No POD Overlap

C. DIVERSION AND DELIVERY SYSTEM

LOCATION OF POINT(S) OF DIVERSION:

MIDDLE FORK PAYETTE RIVER SW1/4 SE1/4, Sec. 14, Twp 10N, Rge 04E, B.M. BOISE County

Method of Determination: Aerial imagery, digital PLSS map, photographs

PLACE OF USE: IRRIGATION

Twn	Rna	Sec		N	E			N۱	N			S۱	٨			SI	E		Totals
Iwp	ixiig	060	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10N	04E	14															0.8		0.8

Total Acres: 0.8

Method of Determination: Aerial imagery, digital PLSS map, photographs

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

4,

Well or Diversion ID No.*	Motor Make	Нр	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
n/a	n/a	1	n/a	n/a	n/a

D. FLOW MEASUREMENTS

1

Measurement Equipment	Туре	Make	Model No.	Serial No.	Size	Calib. Date
n/a	n/a	n/a	n/a	n/a	n/a	n/a

2. Measurements: In-office exam so no flow measurement was taken

E. FL	WO.	CAL	CUL	ATIONS	,
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Additional Computation Sheets Attached

Measured Method:

Admin AP memo no. 17 states that a rate of flow in excess of 0.02 cfs/acre is often necessary for irrigation of a small acreage, due to restricted system design mechanics and poor economy of scale. To correspond with practical design procedures, the Department will accept rates of diversion as high as 0.03 cfs/acre for irrigation of up to five acres without the justification that a rate greater than 0.02 cfs is necessary. Irrigation for 0.8 acres in this right's POU is allowed a rate up to 0.03 cfs/acre, and therefore a rate 0.03cfs/acre multiplied by 0.8 acres results in a diversion rate of 0.03 cfs. This rate of 0.03 cfs is recommended for licensing.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

 V_{LR} = (Acres Irrigated) x (Irrigation Requirement) = 0.8 ac x 3.5 af/ac = 2.8 af

V_{D.R.} = [Diversion Rate (cfs)] x (Days in Irrigation season) x 1.9835 = 0.03 cfs x 231 days x 1.9835 = 13.7 af

 $V = Smaller of V_{I,R}$ and $V_{D,R} = 2.8 af$

2. Volume Calculations for Other Uses:

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G. NARRATIVE/REMARKS/COMMENTS

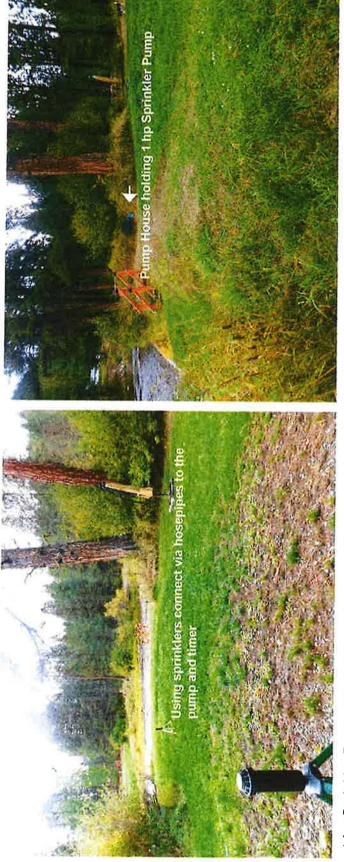
This permit authorizes the diversion of 0.03 cfs for irrigation use in a 0.8 acre place of use within Boise County. It therefore qualified for an in-office field exam, which was completed February 14, 2020. The point of diversion and place of use were confirmed using aerial imagery, digital PLSS maps and photographs provided by the permit holder. No overlap occurs at the POD or the POU, and no changes have been recommended for either.

Water is drawn from the Middle Fork Payette River using a 1 hp sprinkler pump with timer. The pump is contained in a pump house and distributes water via two hose pipes to above ground sprinklers. The pump house is located at the northwest corner of the place of use. Delivery system was confirmed using pictures provided by the permit holder when submitting proof of beneficial use. The point of diversion is within Water District no. 65 and therefore the use of water for this right after June 15 requires approval from the watermaster.

The provided pictures also present evidence of irrigation of at the place of use. According to AP Memo no. 17, irrigation of less than 5 acres may have a diversion rate of 0.03 cfs per acre. This POU is 0.8 acres and was permitted for a diversion of 0.03 cfs, and therefore the same rate is recommended for licensing. The POU is lot 1 of the riverside estates subdivision. Tax lot data indicates that Meta Lind is the property owner at the place of use.

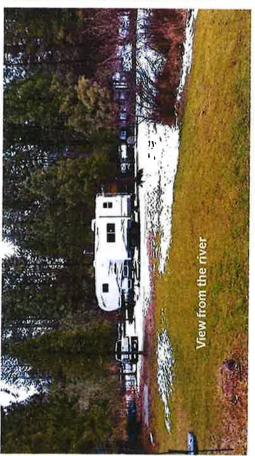
Have conditions of permit approval been met? X Yes

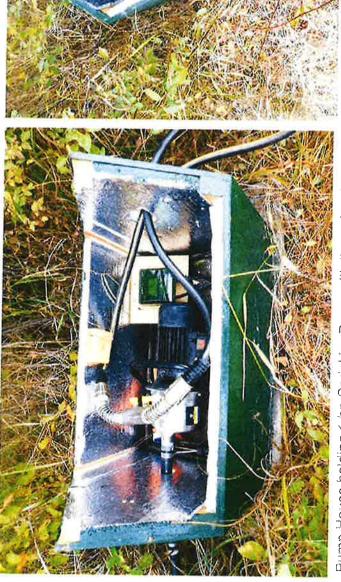
. RECOMMENDATIONS			
1. Recommended Amounts			
Beneficial Use	Period of Use	Rate of Diversion	1
RRIGATION	03/15 to 10/31	0.03 CFS	
š.	Totals:	0.03 CFS	
2. Recommended Amendments			
Change P.D. as reflected above	re Add P.D.	as reflected above	X None
Change P.U. as reflected above	re Add P.U.	as reflected above	X None
AUTHENTICATION Tyler	Smith - Water Resour	ce Agent	
Field Examiner's Name	2-	Date	2/19/20
24	the same		2-19-2020



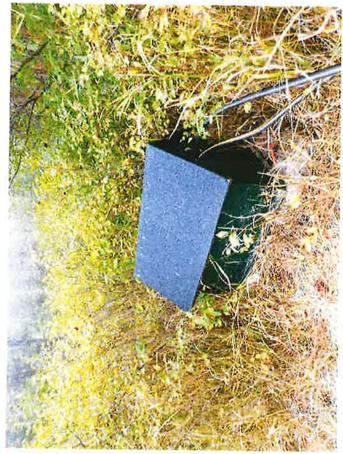
1 hp Sprinkler Pump with timer drawing water from the Middlefork of the Payette sprinkling water via two hose pipes to above ground sprinklers.

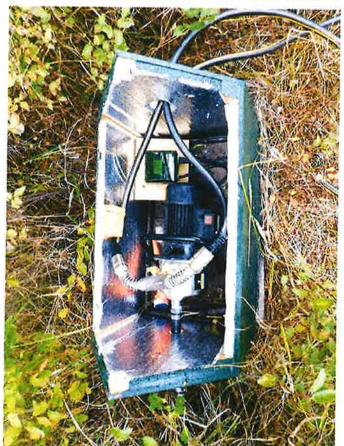












Delivery System Diagram



State of Idaho

Department of Water Resources

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65-7618	65-7618 MAXWELL, I PAYETTE RIVER	YETTE RIVER														×		
65-23554	65-23554 LIND, META PAYETTE RIVER	YETTE RIVER														×		
65-18026	65-18026 MAXWELL, IGROUND WATER	OUND WATER														×		
65-13015	65-13015 POWELL, JA SPRINGS	RINGS														×		
65-10685	65-10685 BURTON, W GROUND WATER	OUND WATER														×		
65-10684	65-10684 BURTON, W PAYETTE RIVER	YETTE RIVER														×		
65-22326	65-22326 STEWART, J GROUND WATER	OUND WATER														×		
65-18205	65-18205 STEVENSON GROUND WATER	OUND WATER														×)
62-7619	65-7619 HILL, ANITA PAYETTE RIVER	YETTE RIVER														×		
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Place of Use Comparison

State of Idaho
Department of Water Resources
Beneficial Use Field Report

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	Use	IRRIGAT	IRRIGAT	IRRIGAT	IRRIGAT	IRRIGAT	TADIGGI	בַּקַ
		RIVER	RIVER	RIVER	RIVER	RIVER	DIVED	MVEN
	Source	PAYETTE	PAYETTE	PAYETTE	MC GOWAN, PAYETTE RIVER IRRIGATION	PAYETTE	FLIFESON BEDAVETTE PIVED LIBBICATION	ן וויי
		N, BOE	SAIL M	WALT, F	WAN,	META F	ON REE	1 2 7
	Owner	MARTI	MAY, C	GREEN	MC GO	LIND, F	FIFES	ברריי כ
	BasinSeque Owner	65-10821B MARTIN, BOLPAYETTE RIVER IRRIGATION	65-12860 MAY, GAIL M PAYETTE RIVER IRRIGATION	65-13094 GREENWALT, PAYETTE RIVER IRRIGATION	65-13099	65-23554 LIND, META PAYETTE RIVER IRRIGATION	65-7356	
	Ba	53	59	65	65	65	4,6	}