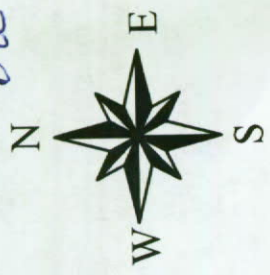


8a

IDAHO DEPARTMENT OF WATER RESOURCES

T07S, R05E, S5, S6 & S8



1987 NAPP PHOTO

SECTION LINES

POD

POU

1/4 1/4 LINES

ACRES

6

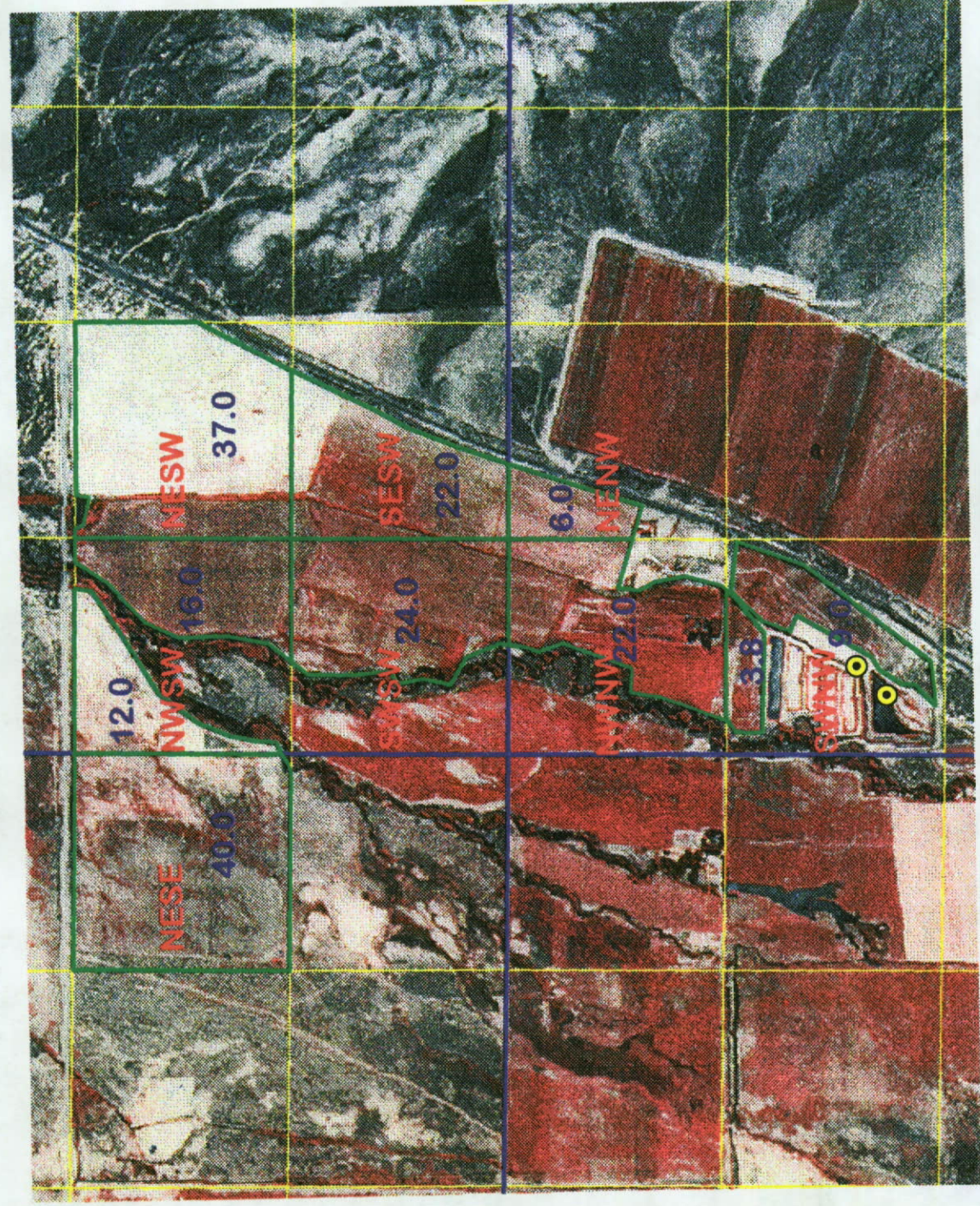
CLAIM(S) : 51-07064A & 51-04019

OWNER(S): HARLEY RANCHES

Prepared by: Mel Schulte

Date: 5/14/1998

TOTAL ACRES = 191.8



1.5 Miles

1.25

1

0.75

0.5

0.25

0

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO,
IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM.

CIVIL CASE NUMBER: 39576

Ident. Number: A51-07064A

Date Received: 12/09/1988

Receipt No: C004967

Received By: CA 1-6-89

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: HARLEY RANCHES 208-366-2014
Address: STAR RT. BOX 49
HAMMETT, ID 83627

2. Date of Priority: APR 19, 1972

3. Source: GROUNDWATER Trib. to:

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
07S	05E	8	SW	SW	NW		OWYHEE

5. Description of diverting works:
18" 1400' DEEP FLOWING HOT WELL. 50 HP. VERT. TURBINE PUMP.

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	04/01	10/31	2.400		
FISH PROPAGATION	01/01	12/31	1.000		

7. Total Quantity Appropriated is:
2.400 C.F.S. (and/or) A.F.A.

8. Total consumptive use is Acre Feet Per Annum.

9. Non-irrigation uses:
H/ FISH PROP.

10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
07S	05E	5	NE	SW		IRR	33.0
			NW	SW		IRR	20.0

A51-07064A

Page 1

Date: 12/09/88

MICROFILMED

AUG 10 1992

10. Place of Use: Continued

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
07S	05E	5	SW	SW		IRR	7.0
			SE	SW		IRR	16.0
					Section Acres		76.0
		6	NE	SE		IRR	24.0
					Section Acres		24.0
		8	NE	NW		IRR	2.0
			NW	NW		IRR	7.0
			SW	NW		IRR	19.0
					Section Acres		28.0
					Total Acres		128.0

11. Place of use in counties: OWYHEE

12. Do you own the property listed above as place of use? YES

13. Other Water Rights Used:
A5107102A.

14. Remarks:

15. Basis of Claim: PERMIT

16. Signature(s)

(a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do _____ do not X wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments: 1

For Individuals:

I/We do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant(s):

Harley Rancher
by Joseph E. Black
Partner

Date:

12/12/88
12/12/88

State of Idaho)

County of Owyhee)

SS.

Subscribed and sworn (or affirmed) before me this 19th day

of Dec 19 88

Boyd Campbell
Notary Public

Seal

Residing at Blaine, ID

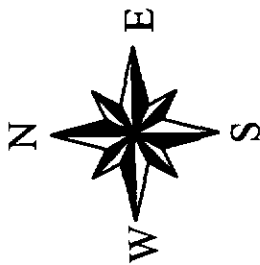
My Commission Expires 3/24/96

61-070644
7S 5E 128Ae



IDAHO DEPARTMENT OF WATER RESOURCES

T07S, R05E, S5, S6 & S8



1987 NAPP PHOTO

SECTION LINES

POD

POU

1/4 1/4 LINES

ACRES

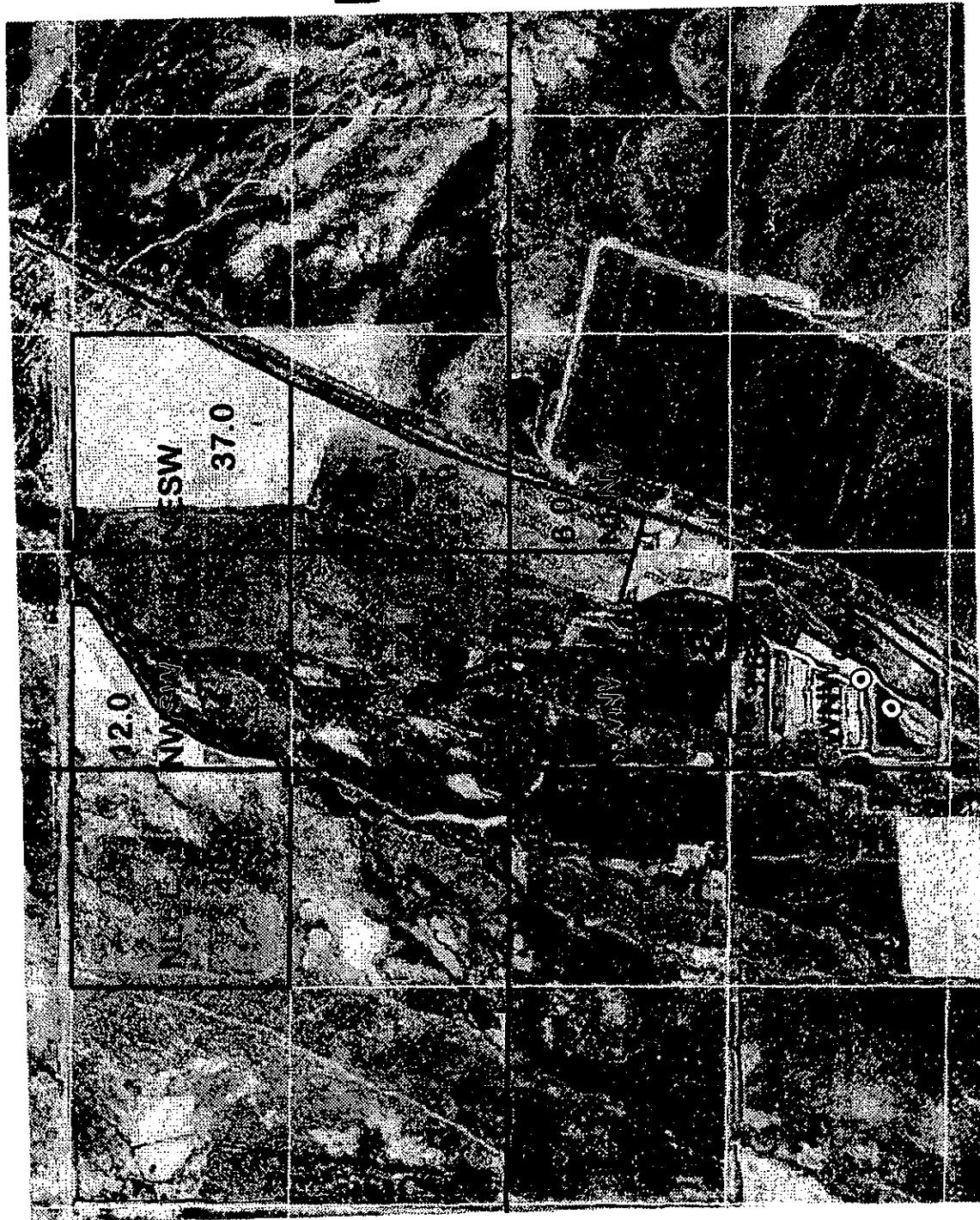
CLAIM(S) : 51-07064A & 51-04019

OWNER(S): HARLEY RANCHES

Prepared by: Mel Schulte

Date: 5/14/1998

TOTAL ACRES = 191.8



1.5 Miles

1.25

1

0.75

0.5

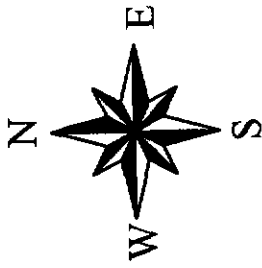
0.25

0



IDAHO DEPARTMENT OF WATER RESOURCES

T07S, R05E, S5, S6 & S8



1987 NAPP PHOTO

SECTION LINES

POD

POU

1/4 1/4 LINES

ACRES

6

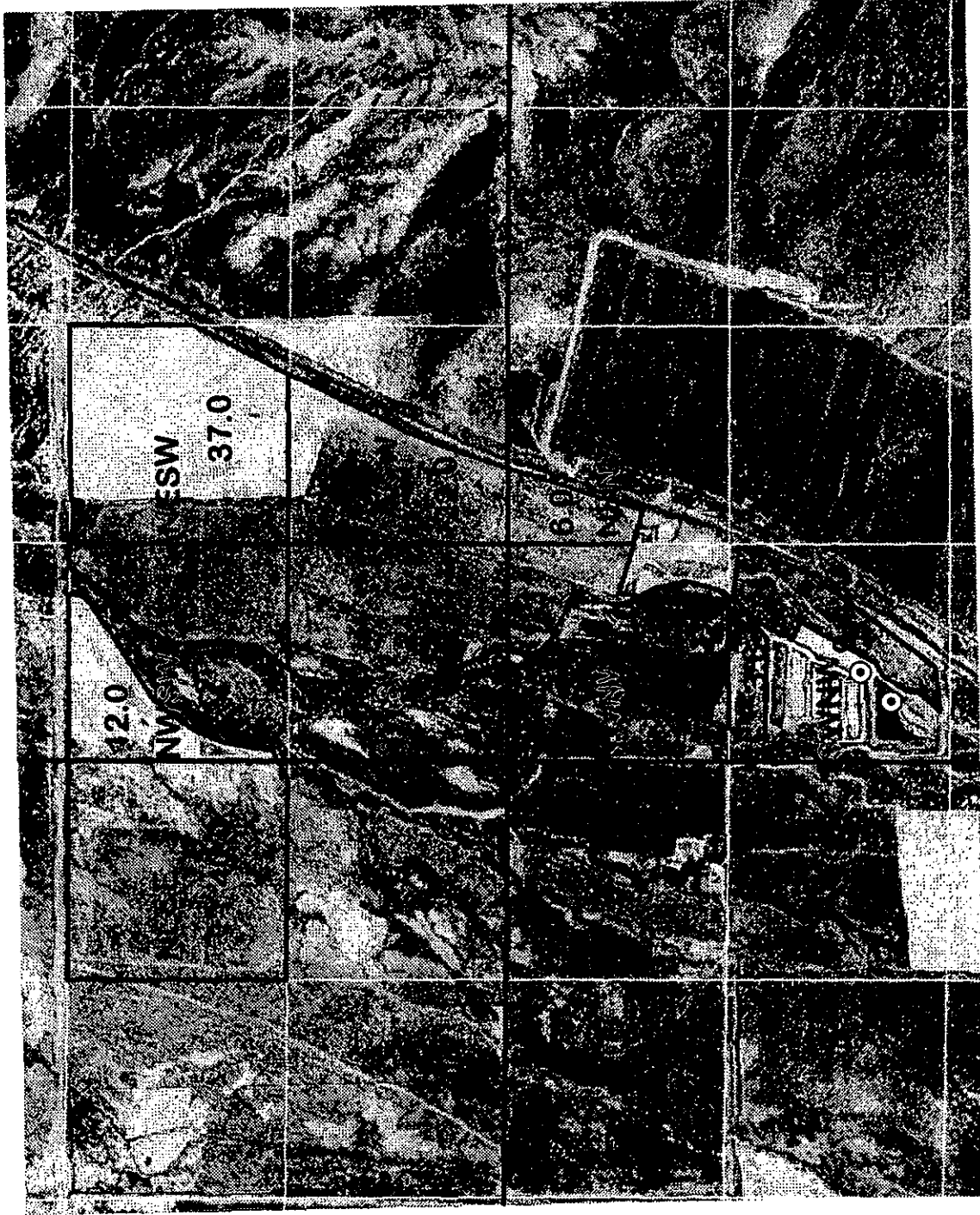
CLAIM(S) : 51-07064A & 51-04019

OWNER(S): HARLEY RANCHES

Prepared by: Mel Schulte

Date: 5/14/1998

TOTAL ACRES = 191.8



1.25

1

0.75

0.5

0.25

0

1.5 Miles

AJ0749NP
No. RS1-07064A

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM PROFILE REPORT
(REGIONAL)

DATE: 11/11/98
PAGE: 1

OWNER
CODE
C HARLEY RANCHES
STAR RT BOX 49
HAMMETT ID 83627
(208) 366-2014

NAME & ADDRESS

PRIORITY
DATE
04/19/1972

WATER USE
IRRIGATION
FISH PROPAGATION

USE PERIOD
FROM TO
04-01 10-31
01-01 12-31

DIVERSION
RATE
2.40 CFS
1.00 CFS
2.40 CFS

DIVERSION
VOLUME
704.00 AFA
723.90 AFA
1427.90 AFA

Water Source: GROUNDWATER

Point(s) of Diversion: T07S R05E S08 SWSNW

Tributary to: Stage: LICENSE

ONYHEE County

Place of use Legal Description for: IRRIGATION									
NE									
NW									
SW									
SE									
T	R	S	NE	NW	SW	SE	NE	NW	SW
07S	05E	5	Lt	Ac	Lt	Ac	Lt	Ac	Lt
07S	05E	6	Lt	Ac	Lt	Ac	Lt	Ac	Lt
07S	05E	8	Lt	Ac	Lt	Ac	Lt	Ac	Lt
SUM									
111.0									
40.0									
40.8									
191.8									

Place of use Legal Description for: FISH PROPAGATION									
NE									
NW									
SW									
SE									
T	R	S	NE	NW	SW	SE	NE	NW	SW
07S	05E	5	Lt	Ac	Lt	Ac	Lt	Ac	Lt
07S	05E	6	Lt	Ac	Lt	Ac	Lt	Ac	Lt
07S	05E	8	Lt	Ac	Lt	Ac	Lt	Ac	Lt
SUM									
111.0									
40.0									
40.8									
191.8									

POU County: ONYHEE

Non-Irrigation Uses: FISH PROPAGATION

Other Rights: 51-07102A, 51-04017 & 51-04019

- Conditions of Approval:
- C14 - THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER
- IN BASIN 51 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER
 - RIGHTS IN BASIN 51:
 - WATER RIGHT NO. SOURCE
 - NONE
 - NONE
 - THE FOLLOWING WATER RIGHTS FROM THE FOLLOWING SOURCES OF WATER
 - IN BASIN 51 SHALL BE ADMINISTERED SEPARATELY FROM ALL OTHER WATER
 - RIGHTS IN THE SNAKE RIVER BASIN:
 - WATER RIGHT NO. SOURCE
 - NONE
 - NONE
 - ALL WATER RIGHTS WITHIN BASIN 51 ARE FROM CONNECTED SOURCES
 - OF WATER IN THE SNAKE RIVER BASIN AND SHALL BE ADMINISTERED
 - CONJUNCTIVELY.

Remarks: QNT USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A

Remarks:

TOTAL COMBINED DIVERSION RATE OF 4.79 CFS AND TO A TOTAL COMBINED DIVERSION VOLUME OF 3467.9 AF. COMBINED RIGHT NOS.: 51-07064B, 51-07102A & 51-07102B.
USE OF THIS RIGHT WITH RIGHTS 51-04017 & 51-04019 FOR IRRIGATION IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 3.84 CFS AND A TOTAL COMBINED DIVERSION VOLUME OF 959 AF IN A SINGLE IRRIGATION SEASON.

USE THE USE OF WATER FOR IRRIGATION UNDER THIS RIGHT MAY BEGIN AS EARLY AS MARCH 1 AND MAY CONTINUE TO AS LATE AS NOVEMBER 15, PROVIDED OTHER ELEMENTS OF THE RIGHT ARE NOT EXCEEDED. THE USE OF WATER BEFORE APRIL 1 AND AFTER OCTOBER 31 UNDER THIS REMARK IS SUBORDINATE TO ALL WATER RIGHTS HAVING NO SUBORDINATED EARLY OR LATE IRRIGATION USE AND A PRIORITY DATE EARLIER THAN THE DATE A PARTIAL DECREE IS ENTERED FOR THIS RIGHT.

POU1 THIS RIGHT IS LIMITED TO THE IRRIGATION OF 176 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON. USE OF THIS RIGHT WITH THE RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 191.8 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 51-04017, 51-04019.

EXP THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 51-07064B, 51-07102A & 51-07102B. THE FISH PROPAGATION FACILITY VOLUME IS 6.0 AF. THERE ARE TWO WELLS IN THE SWNW, S8, THIS RIGHT IS FROM THE LARGER WELL.

Dates: Exam Made Date: Verified Date: 11/11/1998 Objection Filed Date:

Misc: Water District Number: Field Inspection Flag: Presumption Flag:

Comments: Date: 07/31/1998 User-ID: AJU10-JS Subject: AJU10 CONDITION UPDATE CONDITION CODE(S) C14 ADDED IF NOT ALREADY PART OF RECORD THRU AJU10.

Date: 11/11/1998 User-ID: JSHURTE Subject: SEASON OF USE CHANGE AND S04 REMARK CHANGED THE SEASON OF USE TO WHAT WAS LICENSED IN 1995 - 4-1 TO 10-31. THEN ADDED THE S04 CONDITION ALLOWING EARLY AND LATE IRRIGATION SINCE THIS LIES WITHIN IDWR'S RECOMMENDED 3-15 TO 11-15 AREA. SEE S04 CONDITION FOR LIMITATIONS.

Audit: 11/11/98 JSHURTE

DATE: 07/20/98
PAGE: 1

DIVERSION
VOLUME

1. DIVERSION:

OWYHEE County

5

	E	SWSE	SESE	
	c	Lt	Ac	Lt
	-	-	-	-
				TOTAL ACRES

W
G

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E  SUSE  SESE
C  Lt AC  Lt AC
-  - - - -

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IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM PROFILE REPORT
(REGIONAL)

AJ0749NP
No. R51-07064A

Remarks: DIVERSION DESCRIBED ABOVE: 51-07064B, 51-07102A & 51-07102B.
THE FISH PROPAGATION FACILITY VOLUME IS 6.0 AF.
THERE ARE TWO WELLS IN THE SNW, S8, THIS RIGHT IS FROM THE
LARGER WELL.

Dates: Exam Made Date: Verified Date: 07/20/1998 Objection Filed Date:

Misc: Water District Number: Field Inspection Flag:
Presumption Flag:

Audit: 07/20/98 SBOCK

MAPS AND AERIAL PHOTOGRAPHS USED TO REVIEW THIS NOTICE OF CLAIM TO A WATER RIGHT

COPY INCLUDED
IN FILE?

TYPE OF MAP OR PHOTOGRAPH (CHECK IF USED)	IF USED, SUPPLY APPROPRIATE DATE AND OTHER INFORMATION	
☐ ORTHOPHOTOQUAD	DATE OF PHOTO _____	IDWR ID NO. _____ Y() N()
☐ TOPOGRAPHIC	DATE FIELD CHECKED _____	IDWR ID NO. _____ Y() N()
☒ ~~MAP~~ <u>GIS</u>	DATE OF PHOTO <u>5-14-98</u>	IDWR ID NO. <u>8a</u> Y() N()
☐ ASCS AERIAL PHOTO	DATE OF PHOTO _____	Y() N()
☐ ASCS COLOR SLIDE	DATE OF PHOTO _____	Y() N()
☐ BLM OR USFS AERIAL PHOTO	DATE OF PHOTO _____	Y() N()
☐ TOWNSHIP SURVEY (GOVERNMENT PLAT)	DATE OF SURVEY _____	Y() N()
☐ SCS SOIL SURVEY MAP	DATE ISSUED _____	Y() N()
☐ SUBDIVISION PLAT MAP	DATE OF MAP _____	Y() N()
☒ OTHER <u>GIS Table</u>	DATE <u>5-14-98</u>	Y() N() <u>6b</u>
☐ OTHER _____	DATE _____	Y() N()
☐ OTHER _____	DATE _____	Y() N()

LIST OF ATTACHMENTS (CHECK IF ATTACHED)	IF ATTACHED, SUPPLY APPROPRIATE INFORMATION	NO. OF PAGES	NOTES
☒ LICENSING FIELD EXAM	DATE OF FIELD EXAM <u>11-9-84</u>	_____	_____
☒ WATER RIGHT LICENSE	DATE LICENSE SIGNED <u>2-28-95</u>	<u>2</u>	_____
☐ IDWR APPROVED TRANSFER	DATE TRANSFER APPROVED _____	_____	_____
☒ SYSTEM DESCRIPTION	DATE ~~EXAM~~ <u>5-1-1992</u>	_____	_____
☐ PHOTOGRAPHS	DATE(S) PHOTOS TAKEN _____	_____	_____
☐ SPLIT RIGHT REVIEW	DATE REVIEW COMPLETED _____	_____	_____
☐ HUBBLE ANALYSIS	DATE ANALYSIS COMPLETED _____	_____	_____
☐ CONVEYANCE LOSS ANALYSIS	DATE ANALYSIS COMPLETED _____	_____	_____
☐ FLOW MEASUREMENT CALCULATIONS	DATE SYSTEM MEASURED _____	<u>2</u>	_____
☒ OTHER <u>Notes</u>	DATE <u>5-1-1992</u>	<u>2</u>	<u>System description,</u>
☐ OTHER _____	DATE _____	_____	<u>exam summary, overlaps</u>

DATE: 10/16/96
PAGE: 1

Misc: Water District Number: Field Inspection Flag:

ADJUDICATION CLAIM CHECKLIST

NOTICE OF CLAIM NO.

	FIELD EXAM Y/N-IF NO, DO OFFICE VERIFICATION	FIELD EXAM OR IN-OFFICE VERIFICATION WHOM/DATE
1		
2		
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99		
100		

**CLAIM
VERIFIED BY
CODE
(SEE BELOW)**

**CHANGE
CLAIM
X/N**

[illegible]

"R" RECORD

PRIORITY

T. OF DIV.

SOURCE

PL. OF USE

DIV. AMOUNT
CFS/AF

**CONSUMPTIVE
USE**

**NATURE OF
USE**

**PERIOD OF
USE**

**BASIS OF
CLAIM**

REMARKS

<u>DATA ENTRY COMPLETED</u>	<u>BY</u>	<u>DATE</u>

FINAL RECOMMENDATION

BY **DATE**

* IF REQUIRED HAS EVIDENCE OF PRIORITY BEEN
SUBMITTED - YES NO

****IF CLAIMANT CONTACT IS NEEDED, COMPLETE CLAIMANT CONTACT CHECKLIST AND ATTACH.**

COMMENTS:

<u>VERIFICATION CODES</u>	
TOPO MAP/ORTHO PHOTO	= 1
ASCS MAP	= 2
WATERMASTER RECORDS	= 3
NAPP PHOTOS	= 4
FIELD EIAH	= 5
OTHER (SEE COMMENTS)	= 6

as licensed

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

09:31:53
08/25/93

PAGE: 14
QUICKLOOK INFORMATION

29
CLAIM NUMBER: A51-07064A

WR ELEMENT	FIELD EXAM Y/N	CORRESPONDENCE SENT/RECEIVED BY WHOM/DATE	FIELD EXAM BY WHOM/DATE	CHANGE CLAIM Y/N	VERIFIED BY CODE	COMPLETED REVIEW WHOM/DATE	COMPLETED DATA ENTRY WHOM/DATE	VERIFIED DATE WHOM/DATE
PRIORITY DATE								
POINT OF DIV	Y				6			
SOURCE					6			
PLACE OF USE	Y				6			
DIV. AMOUNT CFS/VOLUME					6			
CONSUMPTIVE USE					6			
PURPOSES					6			
PERIOD OF USE					6			
BASIS OF CLAIM	Y				6			
REMARKS					6.			

"VERIFIED BY" CODES

TOPO MAP/ORTHO-PQ = 1
ASCS MAP = 2
WATERMASTER RECORDS = 3
NAPP PHOTOS = 4
FIELD EXAM = 5
OTHER (SEE REMARKS) = 6

- as licensed

THESE CODES ARE USED TO INDICATE HOW THE FIELD EXAMINER VERIFIED THE INFORMATION
USED FOR THIS FIELD EXAMINATION. INDICATED ARE ALL CODES WHICH APPLY.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

09:31:53
08/25/93

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A51-07064A

16

LAST: BACHMAN
ADDRESS: P.O. BOX 173
CITY: BRUNEAU
PHONE NUMBER: 208-000-0000
OWNER CODE: 0

FIRST: MERLE
STATE: ID ZIP: 83604

LAST: HARLEY RANCHES
ADDRESS: STAR RT. BOX 49
CITY: HAMMETT
PHONE NUMBER: 208-366-2014
OWNER CODE: C

FIRST:
STATE: ID ZIP: 83627

FIELD EXAM REQUIRED?

DATABASE N
FIELD EXAMINER

VERIFICATION REQUIRED DUE TO REMARKS?

NO REMARKS IN CLAIM

[illegible]

A. AJ CLAIM: # A51-07064A PRIORITY DATE: 04-19-1972 STAGE: P

B. WR RECORD: # 51-07064A PRIORITY DATE: 04-19-1972 STAGE: P

C. FIELD EXAM REQUIRED?

DUE TO PRIORITY DATE DISCREPANCY? (Y/N) DATABASE N FIELD EXAMINER

ARE THERE OBVIOUS REASONS TO QUESTION THE PRIORITY DATE CLAIMED? Y() N()

IF YES EXPLAIN.

NOTES:

RECOMMENDED PRIORITY DATE:

04-19-1972

REVIEWED BY *McA*

DATE

5-15-98

10-16-96

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
A51-07064A	07S	05E	8	SW	SW	NW		ONYHEE

OTHER AJ CLAIMS WITH SAME AJ POD

A PREFIX
A51-07102A
R PREFIX
NONE

WR RECORDS IN SAME 40 ACRE TRACT

51-04019
51-04021
51-07064B
51-07102A
51-07102B
L51-07064A
L51-07064B
L51-07102A
L51-07102B

- 2.25 - different well

Christensen

SOURCE: GROUNDWATER

TRIB:

B. WR POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
51-07064A	07S	05E	8	SW	SW	NW		ONYHEE

OTHER WR RECORDS WITH SAME WR POD

51-04019
51-04021
51-07064B
51-07102A
51-07102B
L51-07064A
L51-07064B
L51-07102A
L51-07102B

AJ CLAIMS IN SAME 40 ACRE TRACT

A PREFIX
R PREFIX

51-04019
51-04021
51-07064B
51-07102A
51-07102B

NONE

SOURCE: GROUNDWATER

TRIB:

C. FIELD EXAM REQUIRED?

DUE TO POD DISCREPANCY?	(Y/N)	DUE TO SOURCE DISCREPANCY?	(Y/N)	DATABASE	FIELD EXAMINER
	Y		N		

NOTES:

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:

TWP. RGE. SEC.

1/4

1/4

1/4

LOT

COUNTY

DIVERSION NAME

75 SE 8

SW SW

NW

Aug.

SOURCE: GROUNDWATER

TRIB:

REVIEWED BY:

DATE: 10-16-96

SYSTEM DESCRIPTION:

A. ROOT WATER RIGHT NUMBERS: A51-07064A
A51-07064B

B. POU LISTING

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
07S	05E	5	NE	SW		HARLEY RANCHES	A51-07064A /33.0	51-07064A /33.0			
			NE	SW		HARLEY RANCHES	A51-04017 /36.0	51-04017 /40.0			
			NE	SW		HARLEY RANCHES	A51-04018 /36.0	51-04018 /40.0			
			NE	SW		HARLEY RANCHES	A51-04019 /36.0	51-04019 /40.0			
			NE	SW		HARLEY RANCHES	A51-04020 /36.0	51-04020 /40.0			
			NE	SW		HARLEY RANCHES	A51-04021 /36.0	51-04021 /40.0			
			NE	SW		HARLEY RANCHES	A51-04022 /36.0	51-04022 /40.0			
			NE	SW		HARLEY RANCHES		51-02225 /40.0			
			NE	SW		BACHMAN, MERLE	L51-07064A /37.0				37
07S	05E	5	NW	SW		HARLEY RANCHES	A51-07064A /20.0	51-07064A /20.0	23.0		
			NW	SW		HARLEY RANCHES	A51-04017 /36.0	51-04017 /40.0			
			NW	SW		HARLEY RANCHES	A51-04018 /36.0	51-04018 /40.0			
			NW	SW		HARLEY RANCHES	A51-04019 /36.0	51-04019 /40.0			
			NW	SW		HARLEY RANCHES	A51-04020 /36.0	51-04020 /40.0			
			NW	SW		HARLEY RANCHES	A51-04021 /36.0	51-04021 /40.0			
			NW	SW		HARLEY RANCHES	A51-04022 /36.0	51-04022 /40.0			
			NW	SW		HARLEY RANCHES	A51-10132 /				
			NW	SW		HARLEY RANCHES	RS1-10132 /				
			NW	SW		HARLEY RANCHES		51-02225 /40.0			
			NW	SW		BACHMAN, MERLE	L51-07064A /20.0				20-28
07S	05E	5	SW	SW		HARLEY RANCHES	A51-07064A /7.0	51-07064A /7.0	18.0		
			SW	SW		HARLEY RANCHES	A51-04017 /23.0	51-04017 /40.0			
			SW	SW		HARLEY RANCHES	A51-04018 /23.0	51-04018 /40.0			
			SW	SW		HARLEY RANCHES	A51-04019 /23.0	51-04019 /40.0			
			SW	SW		HARLEY RANCHES	A51-04020 /23.0	51-04020 /40.0			
			SW	SW		HARLEY RANCHES	A51-04021 /23.0	51-04021 /40.0			
			SW	SW		HARLEY RANCHES	A51-04022 /23.0	51-04022 /40.0			
			SW	SW		CHRISTIANSEN, CRAIG L.	A51-02225 /19.0	51-02225 /40.0			
			SW	SW		CHRISTIANSEN, CRAIG L.	A51-07064B /22.0	51-07064B /22.0			
			SW	SW		BACHMAN, MERLE	L51-07064A /22.0				
			SW	SW		CHRISTIANSEN, CRAIG L.	L51-07064B /8.0				23-24
07S	05E	5	SE	SW		HARLEY RANCHES	A51-07064A /16.0	51-07064A /16.0			
			SE	SW		GREER, JESSE T.	A51-10032 /				
			SE	SW		HARLEY RANCHES	A51-04017 /20.0	51-04017 /35.0			
			SE	SW		HARLEY RANCHES	A51-04018 /20.0	51-04018 /35.0			
			SE	SW		HARLEY RANCHES	A51-04019 /20.0	51-04019 /35.0			
			SE	SW		HARLEY RANCHES	A51-04020 /20.0	51-04020 /35.0			
			SE	SW		HARLEY RANCHES	A51-04021 /20.0	51-04021 /35.0			
			SE	SW		HARLEY RANCHES	A51-04022 /20.0	51-04022 /35.0			

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
07S	05E	6	SE	SW		GREER, JESSE T	R51-10032 /	51-02225 /40.0			
			SE	SW		HARLEY RANCHES		L51-07064A /21.0			
			SE	SW		BACHMAN, MERLE					
07S	05E	6	NE	SE		HARLEY RANCHES	A51-07064A /24.0	51-07064A /24.0	36.0		
			NE	SE		HARLEY RANCHES	A51-04017 /39.0	51-04017 /40.0			
			NE	SE		HARLEY RANCHES	A51-04018 /39.0	51-04018 /40.0			
			NE	SE		HARLEY RANCHES	A51-04019 /39.0	51-04019 /40.0			
			NE	SE		HARLEY RANCHES	A51-04020 /39.0	51-04020 /40.0			
			NE	SE		HARLEY RANCHES	A51-04021 /39.0	51-04021 /40.0			
			NE	SE		HARLEY RANCHES	A51-04022 /39.0	51-04022 /40.0			
			NE	SE		CHRISTIANSEN, CRAIG L.	A51-07102B /	51-07102B /			
			NE	SE		HARLEY RANCHES		51-02225 /40.0			
			NE	SE		BACHMAN BROTHERS	51-07102A /	51-07102A /			
			NE	SE		BACHMAN, MERLE	L51-07064A /39.0	L51-07064A /39.0			
07S	05E	8	NE	NW		HARLEY RANCHES	A51-07064A / 2.0	51-07064A / 2.0	30.0		
			NE	NW		HARLEY RANCHES	A51-04017 / 6.0	- /			
			NE	NW		HARLEY RANCHES	A51-04018 / 6.0	- /			
			NE	NW		HARLEY RANCHES	A51-04019 / 6.0	- /			
			NE	NW		HARLEY RANCHES	A51-04020 / 6.0	- /			
			NE	NW		HARLEY RANCHES	A51-04021 / 6.0	- /			
			NE	NW		HARLEY RANCHES	A51-04022 / 6.0	- /			
			NE	NW		BRUNEAU CATTLE CO.	A51-07013 /24.0	51-07013 /24.0			
			NE	NW		BACHMAN, MERLE		L51-07064A /2.0			
07S	05E	8	NW	NW		HARLEY RANCHES	A51-07064A / 7.0	51-07064A / 7.0	36.0		
			NW	NW		HARLEY RANCHES	A51-04017 /19.0	51-04017 /39.0			
			NW	NW		HARLEY RANCHES	A51-04018 /19.0	51-04018 /39.0			
			NW	NW		HARLEY RANCHES	A51-04019 /19.0	51-04019 /39.0			
			NW	NW		HARLEY RANCHES	A51-04020 /19.0	51-04020 /39.0			
			NW	NW		HARLEY RANCHES	A51-04021 /19.0	51-04021 /39.0			
			NW	NW		HARLEY RANCHES	A51-04022 /19.0	51-04022 /39.0			
			NW	NW		HARLEY RANCHES	A51-07102A /	51-07102A /			
			NW	NW		CHRISTIANSEN, CRAIG L.	A51-02225 / 6.0	51-02225 /40.0			
			NW	NW		CHRISTIANSEN, CRAIG L.	A51-07064B /16.0	51-07064B /16.0			
			NW	NW		CHRISTIANSEN, CRAIG L.	A51-07102B /	51-07102B /			
			NW	NW		BACHMAN, MERLE		L51-07064A /16.0			
			NW	NW		CHRISTIANSEN, CRAIG L		L51-07064B / 7.0			
07S	05E	8	SW	NW		HARLEY RANCHES	A51-07064A /19.0	51-07064A /19.0	35.0		
			SW	NW		HARLEY RANCHES	A51-04017 /20.0	51-04017 /30.0			
			SW	NW		HARLEY RANCHES	A51-04018 /20.0	51-04018 /30.0			
			SW	NW		HARLEY RANCHES	A51-04019 /20.0	51-04019 /30.0			
			SW	NW		HARLEY RANCHES	A51-04020 /20.0	51-04020 /30.0			
			SW	NW		HARLEY RANCHES	A51-04021 /20.0	51-04021 /30.0			
			SW	NW		HARLEY RANCHES	A51-04022 /20.0	51-04022 /30.0			
			SW	NW		HARLEY RANCHES	A51-07102A /	51-07102A /			

22

39.40

26

46-22

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
SW	NW					CHRISTIANSEN, CRAIG L.	A51-07064B /				
SW	NW					CHRISTIANSEN, CRAIG L.	A51-07102B /	51-07102B /			
SW	NW					BRUNEAU CATTLE CO.	A51-07013 / 4.0	51-07013 / 4.0			
SW	NW					HARLEY RANCHES		51-02225 / 40.0			
SW	NW					BACHMAN, MERLE		L51-07064A /			
SW	NW					BACHMAN BROTHERS		L51-07102A /			
SW	NW					CHRISTIANSEN, CRAIG L.		L51-07102B /			

TOTAL ACRES A51-07064A 128.00 128.00 178.00

ARE IRRIGATED ACRES FOUND IN TRACTS OTHER THAN INDICATED ABOVE, Y() N()

C. FIELD EXAM REQUIRED? FIELD EXAMINER POU COUNTY: OMYHEE

DUE TO POU DISCREPANCY? (Y/N) Y

PRESUMPTION FLAG:

NOTES:

As licensed - limited to 176 acres in the 191.8 acre POU.

RECOMMENDATIONS:

TOTAL ACRES: 176

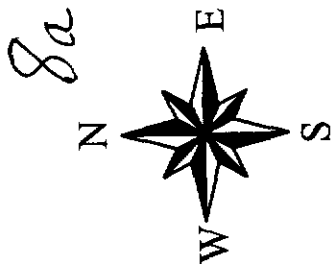
REVIEWED BY: Mel Schultz

DATE: 5-15-98

10-16-96

IDAHO DEPARTMENT OF WATER RESOURCES

T07S, R05E, S5, S6 & S8



1987 NAPP PHOTO

SECTION LINES

POD

POU

1/4 1/4 LINES

ACRES

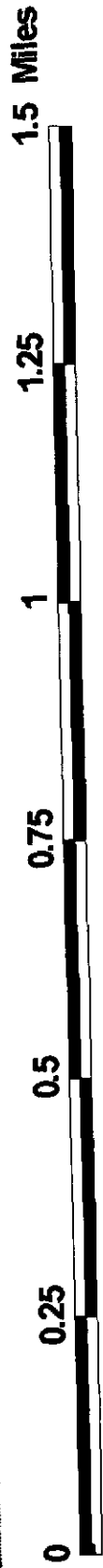
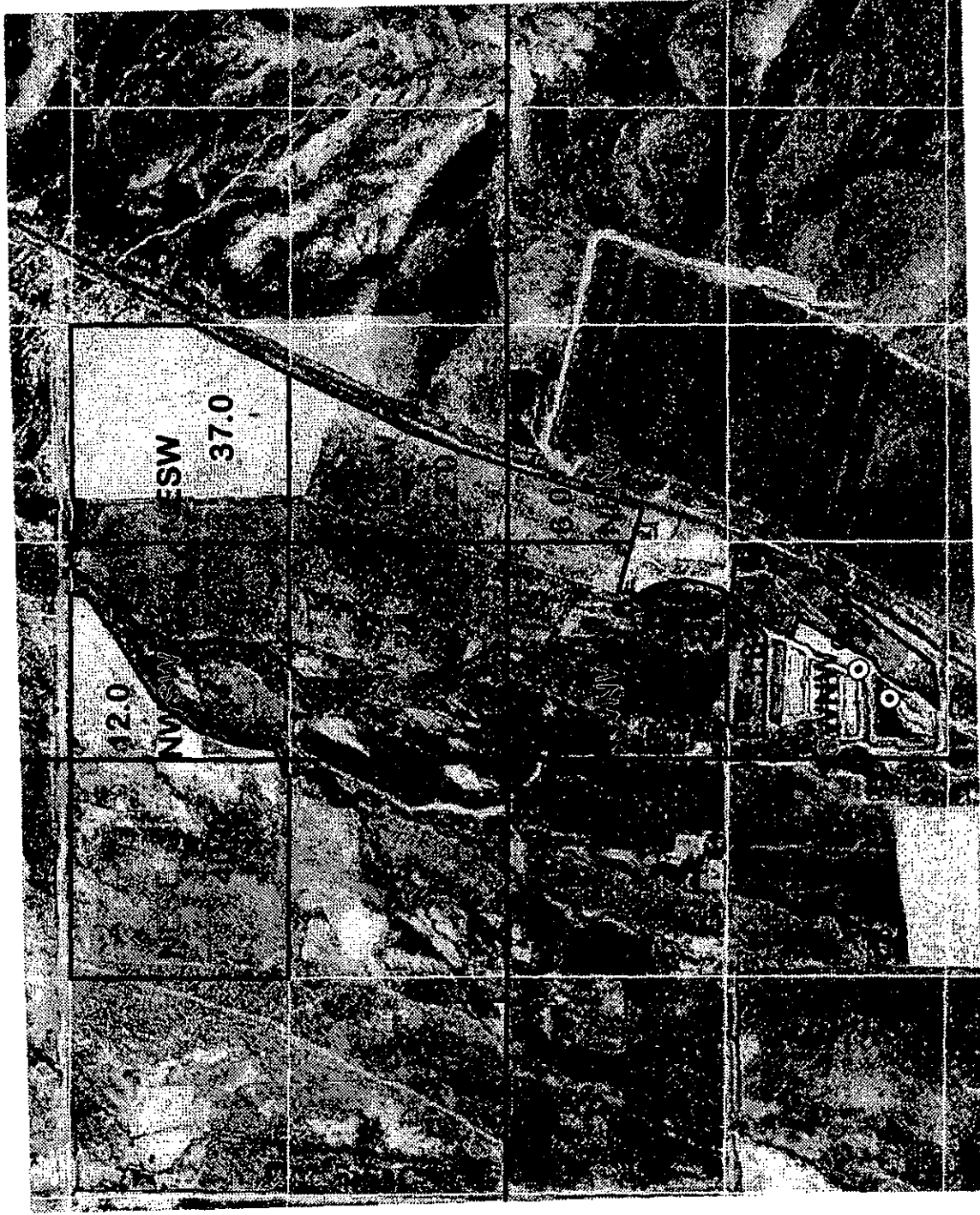
CLAIM(S) : 51-07064A & 51-04019

OWNER(S): HARLEY RANCHES

Prepared by: Mel Schulte

Date: 5/14/1998

TOTAL ACRES = 191.8



86

WESTERN REGION

CLAIM NUMBERS A51-04017, -04019, -07064A

AGENT MS DATE 5-14-98

TOTAL ACRES FROM RECOMMENDATION 191.8

GEOGRAPHIC INFO SYSTEM ACRES 191.8

READY FOR DECREE (YES) SENT FOR DECREE (YES)

RIGHT NO				NE				NW				SW				SE			
	TNS	RNG	SEC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
RECOM	7S	5E	5									37	28	24	22				111
GIS			6													40			40
			8					6	22	12.8									40.8
RECOM																			191.8
GIS																			

POLYGON CREATED ON 80 3

POLYGON # () () () () UPDATED BY

ATTRIBUTES OF B51-POU.SHP (146) (147) (148) () ()

ATTRIBUTES OF B51-POD.SHP (145) () () () ()

B51-DBPOU.DBF 7-29-98 UPDATED BY MS

B51-DBPOD.DBF 7-29-98 UPDATED BY MS

A. AJ CLAIMED USES:

PURPOSES	MONTH/DAY	DIVERSION QUANTITY
A51-07064A IRRIGATION	FROM 04-01 TO 10-31	2.400 CFS
A51-07064A FISH PROPAGATION	FROM 01-01 TO 12-31	1.000 CFS
TOTAL DIVERSION RATE/VOLUME CLAIMED		2.400 CFS

B. WR RECORDED USES:

PURPOSES	MONTH/DAY	DIVERSION QUANTITY
51-07064A IRRIGATION	FROM 04-01 TO 10-31	2.400 CFS
51-07064A FISH PROPAGATION	FROM 01-01 TO 12-31	1.000 CFS
TOTAL DIVERSION RATE/VOLUME CLAIMED		2.400 CFS

PRESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

	DATABASE	FIELD EXAMINER
DUE TO WATER-USE DISCREPANCY? (Y/N)	N	
DUE TO DIVERSION RATE DISCREPANCY? (Y/N)	N	
DUE TO PERIOD FROM/TO DISCREPANCY? (Y/N)	N	

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

RECOMMEND TO WR STANDARDS OR OTHER?

Y() N()

Y() N()

all licensed

Explain in notes, below.

NOTES:

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS? Y(✓) N()

AJ TOTAL CLAIMED DIVERSION RATE: 2.400 CFS
WR ROOT RIGHT TOTAL DIVERSION RATE: 2.400 CFS

*** IF NO or IF STATUTORY CLAIM or BENEFICIAL USE then flow measurement required. ***
** If an amount smaller than the original diversion rate is **
** claimed and an exam is NOT required, explain in notes. **

FLOW MEASUREMENT REQUIRED?

DUE TO STAGE OR DIVERSION RATE DISCREPANCY? (Y/N) Y FIELD DATABASE EXAMINER

B.

FLOW MEASUREMENT

MEASUREMENT METHOD, SEE ATTACHED CALCULATIONS.

C. ARE OTHER WATER RIGHTS USED? Y(✓) N() IF YES COMPLETE OVERLAP REVIEW.

OTHER RIGHTS LISTED IN CLAIM: A5107102A.

LIST ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE:

CLAIM NO.	SOURCE	NAME	DIV. RATE	RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A51-07064A	GROUNDWATER	HARLEY RANCHES	2.400	0.018		
A51-02225	JACKS CREEK	CHRISTIANSEN, CRAIG L.	2.400	0.018		
A51-04017	JACKS CREEK	HARLEY RANCHES	4.000	0.020		
A51-04018	GROUNDWATER	HARLEY RANCHES	0.200	0.001		
A51-04019	GROUNDWATER	HARLEY RANCHES	0.580	0.002		
A51-04020	GROUNDWATER	HARLEY RANCHES	0.100	0.001		
A51-04021	GROUNDWATER	HARLEY RANCHES	0.200	0.001		
A51-04022	GROUNDWATER	HARLEY RANCHES	0.200	0.001		
A51-07013	GROUNDWATER	BRUNEAU CATTLE CO.	1.270	0.015	406.00	5.01
A51-07064B	GROUNDWATER	CHRISTIANSEN, CRAIG L.	2.100	0.026		

LIST ALL RIGHTS WITH SAME POU BUT NOT USED FOR IRRIGATION.

CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A51-07064A	FISH PROPAGATION	HARLEY RANCHES	FROM 01-01 TO 12-31	1.000 CFS	
A51-10132	STOCKWATER	HARLEY RANCHES	FROM 01-01 TO 12-31	.070 CFS	
R51-10132	STOCKWATER	HARLEY RANCHES	FROM 01-01 TO 12-31	.070 CFS	

different location

CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A51-10032	DOMESTIC	GREER, JESSE T.	FROM 01-01 TO 12-31	.040 CFS	
A51-10032	DOMESTIC	GREER, JESSE T.	FROM 01-01 TO 12-31	.040 CFS	
A51-07102B	FISH PROPAGATION	CHRISTIANSEN, CRAIG L.	FROM 01-01 TO 12-31	1.900 CFS	
A51-07102A	FISH PROPAGATION	HARLEY RANCHES	FROM 01-01 TO 12-31	1.900 CFS	
A51-07064B	FISH PROPAGATION	CHRISTIANSEN, CRAIG L.	FROM 01-01 TO 12-31	.500 CFS	

D. RATE/VOLUME CALCULATIONS: (IRRIGATION) 1b. CALCULATIONS

1a. IRRIGATION RATE
ACRES 176 x 0.02 CFS/ACRE = 3.52 CFS
(Taken from p/u review)

DOES AMOUNT CLAIMED EXCEED 0.02 CFS/ACRE? Y() N(Y) NA

*** IF YES ADDITIONAL WATER USE FORM FILED AND ATTACHED? Y() N() ***

2. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = AF/A

ACRES _____ x CONSUMPTIVE VOL. AF/A FOR AREA _____ =

TOTAL CONSUMPTIVE USE _____ AF/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = AF/A

ACRES 176 x DIVERSION VOL. AF/A FOR AREA 4 = NA

TOTAL DIVERSION VOLUME 704 AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y() N()

NOTES: (Include limitations on CONSUMPTIVE USE for combined rights.)

As discussed = 2,40 cfs.

RECOMMENDATIONS: *Ch. Licenses*

REC. PURPOSES	REC. PERIOD FROM TO	REC. DIV RATE CFS	REC. DIV VOL. AF/A	REC. CONS. USE
IRRIGATION	04-01 10-31	DATABASE 2.400	DATABASE EXAMINER	DATABASE EXAMINER
FISH PROPAGATION	01-01 12-31	1.000		0.0
TOTAL FOR THIS RIGHT		2.400		

REVIEWED BY: *Me Schulte* DATE: *5-15-98*
10-16-96

A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP _____
FORFEIT/ABANDON _____
ADDITIONAL DIV. AMOUNT _____

ACCEPTED AS CLAIMED ()
NEEDS REVIEW ()
()
()
()

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 51-07064

TOTAL DIVERSION RATE OF WR SPLITS

DATABASE 7.060

EXAMINER _____

CFS

SPLITS:

OLD RIGHT NUMBERS	CURRENT CLAIM NUMBERS	DIVERSION RATE	CURRENT "R" CLAIM NUM.	"R" DIV. RATE	WR RIGHT NUMBERS	DIVERSION RATE
-	A51-07064A	2.400	-	-	51-07064A	2.400
-	A51-07064B	2.100	-	-	51-07064B	1.600
-	-	-	-	-	L51-07064A	2.400
-	-	-	-	-	L51-07064B	0.660

TOTAL CFS 4.500

7.060

DIVERSION RATE REVIEW

DO THE SUM CFS RATE OF THE SPLITS EQUAL THE ROOT RIGHT CFS RATE? (Y/N)
IF NO, is the written review sheet attached? (Y/N)

FIELD EXAMINER _____
DATABASE N

NOTES:

51-07064A = 2.40
51-07064B = .66
-07102A = 1.90
07102B = 1.90
51-07064 = IRR-4.0 } 4.0 total
-Fish - 1.0
-07064A - 2.40 - IRR } 2.40 total
100 - Fish } 3.06 total *
07064B - .66 - IRR }
* less acres licensed than permitted

AUTHENTICATION:

5-15-98

SIGNATURE: Mel Schultz

DATE: 10-16-96

NAME OF FIELD EXAMINER: _____

TITLE: _____

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 51-07064A

Priority: April 19, 1972

Maximum Diversion Rate: 2.40 CFS
Maximum Diversion Volume: 1427.9 AF

This is to certify, that HARLEY RANCHES

HC 63 BOX 49

HAMMETT ID 83627

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated April 19, 1972; and has submitted Proof of Beneficial Use on December 11, 1980. An examination indicates that the works have a diversion capacity of 4.790 cfs of water from a GROUNDWATER source, and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 10/31	2.40 CFS	704.0 AF
FISH PROPAGATION	01/01 to 12/31	1.00 CFS	723.9 AF
Totals		2.40 CFS	1427.9 AF

LOCATION OF POINT(S) OF DIVERSION: SWNW, Sec. 8, Township 07S, Range 05E
OWYHEE County

<u>PLACE OF USE:</u>	<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
IRRIGATION	07S	05E	5	NESW 37	NWSW 20	SWSW 22	100
			6	SESW 21			39
			8	NESE 39	NWNW 16	SWNW 19	37
				NENW 2			
Total number of acres irrigated:							176

PLACE OF USE: FISH PROPAGATION
TWN RGE SEC
07S 05E 8 SWNW

CONDITIONS/REMARKS:

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount that can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.

State of Idaho
Department of Water Resources**WATER RIGHT LICENSE**

WATER RIGHT NO. 51-07064A

CONDITIONS/REMARKS:

4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
- R31 5. This right when combined with all other rights shall provide no more than .02 cfs per acre nor more than 4.0 afa per acre for the lands above.
- QNT
E27 6. Use of this right with the rights listed below is limited to a total combined diversion rate of 4.79 cfs, a total combined annual diversion volume of 3467.9 af, (a total combined annual → consumptive use volume of 837.0 af.) The combined rights include: 51-7064B, 51-7102A, 51-7102B.
- CON-E24 7. The following rights are also diverted through the point of diversion described above: 51-7064B, 51-7102A, 51-7102B.
- EXP F06 8. The fish propagation facility volume is 6.0 af.
- EXP →

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. Witness the seal and signature of the Director, affixed at Boise, this 28th day of FEBRUARY, 1995.

Acting for


R. Keith Higginson, Director

DATE May 1, 1992

TO: Files 51-7102A and 51-7064A (Bachman/Harley)
Files 51-7102B and 51-7064B (Christiansen)

FROM: Cindy Hodges, Sr. Water Resource Agent, Western Region

RE: System description, exam summary, overlap review

These permits were examined in 1984 and are currently under review for licensing. The reason for licensing delay is unclear. Adjudication claims have been filed on all four permits.

SYSTEM DESCRIPTION

A good system description is not evident in any one beneficial use report in any of the files. From information gathered from all files, I would like to offer the following description:

An 18", 1400' deep artesian hot well provides flow for all beneficial uses represented in all four of the above listed permits. The natural artesian flow from the well was measured at 2.23 cfs. However, in the summer months, this flow is not adequate for all uses, so a 50 HP vertical turbine booster pump was installed to increase flows. The pumped flow was measured at 4.79 cfs, using an 8" orifice on open discharge.

From the discharge, water is delivered into a 6 AF pond, where it is used for fish propagation, then diverted into a common delivery system for irrigation. Irrigation at the time of exam was primarily gravity, with tailwater collected and relifted via a 100 HP pump. The relift pump is mentioned in both 7064A and 7064B, which implies a shared system since the two permits are under separate ownership.

EXAM SUMMARY

Assignment of permit 51-7102 awarded the entire irrigation component of 80 acres and .8 cfs, as well as 1.9 cfs of the fish propagation flow for a total flow of 1.9 cfs, to part B. 1.9 cfs for fish propagation was reserved for part A.

Assignment of permit 51-7064 awarded 58 acres and 1.6 cfs to part B, reserving 262 acres, 2.4 cfs for irrigation, and 1.0 cfs for fish propagation for part A.

See attached analysis sheet for beneficial uses found at the time of exam.

For 51-7064A, I would recommend the addition of the fish propagation component as represented on the original application, since .99 cfs of the 1.0 cfs permitted may still be delivered by the system. (3.8 from 51-7102A & B + .99 from 7064A = 4.79 system capacity)

Total combined irrigation and fish propagation flows exceed the system capacity, so conditions limiting total combined diversion rates to 4.79 cfs should be imposed on all licenses. In addition, a total combined diversion volume of 3467.9 is recommended for all permits.

OVERLAP ANALYSIS

Statutory claims 51-4018 through 4022 are for the same acreage covered by these permits; each appears to be for a separate, cold water, artesian well. In addition, claim 51-4017 and Permit 51-2225 from Jack's Creek also cover these acres.

Adjudication claims A51-7102A and 7064A, and A51-4017 through 4022 have been filed in the name of Harley Ranches. Permit 51-2225 has been assigned to Harley Ranches, but the exam has not been conducted, nor can an adjudication claim be located.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

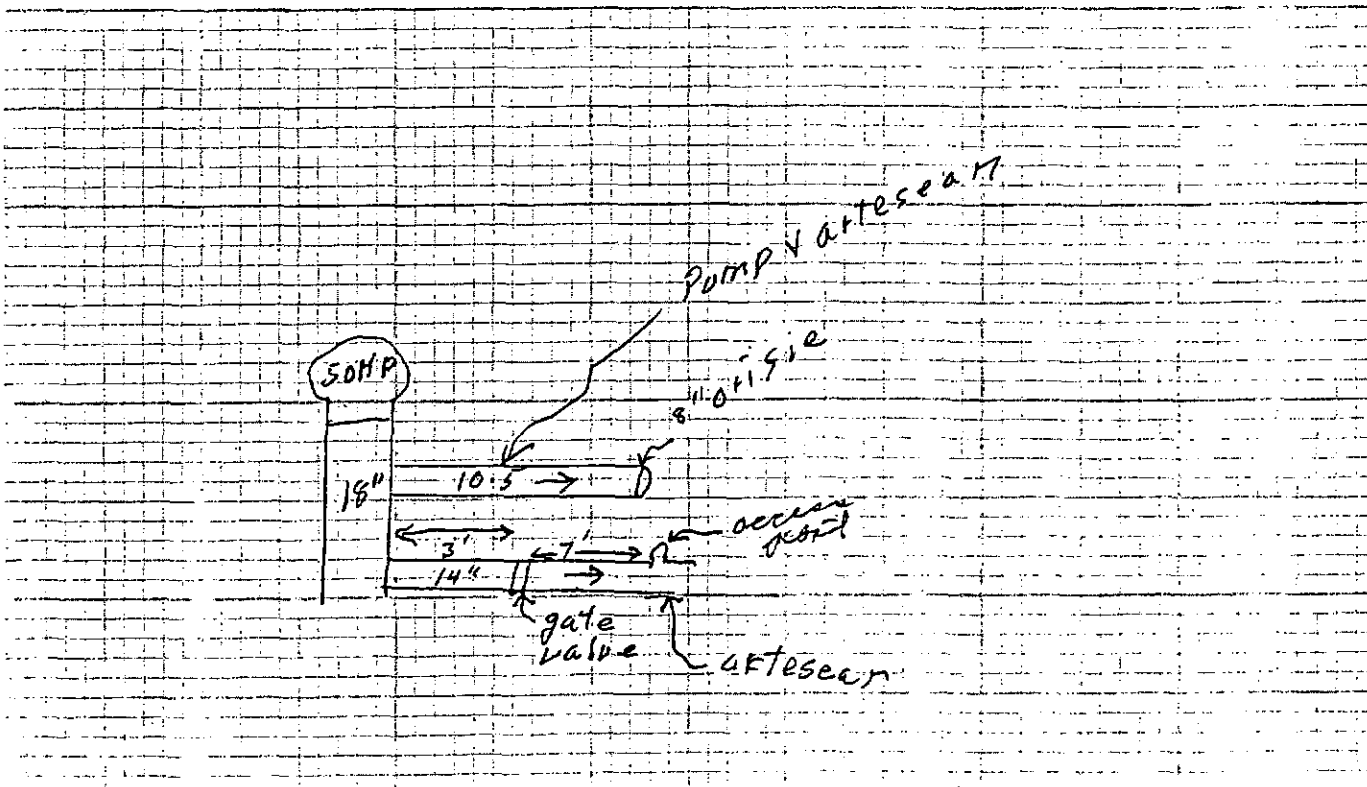
Permit No. 51-7064A
1. Owner: Melie Bachman Phone No. 845-2286
Current Address: Bruneau, Idaho 83604
2. Accompanied by: applicant EXAM. DATE: 11/9/84
Address: _____ Phone No. _____
Relationship to Permit Holder: _____
3. Source: Groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: 51-2225, 51-4017 thru 51-4022 ☐ Copies Attached
2. Other water rights with same point of diversion: 51-7064B, 51-7102 A & B.
☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



Scale: 1" = 0

2. ☒ Copy of U.S.G.S. 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 or more).
☐ Plan of Diversion and System Attached

[illegible]

5. Point(s) of Diversion:

[illegible]

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

Well or Diversion Identification No. 18	Motor Make Westinghouse	Hp 50	Motor Serial No. 773890	Pump Make D-4172 B015A	Pump Serial No. or Discharge Size 780216

☐ See Remarks on page 4 for continuation

* See also attached remarks

Box 6 number & define measurements.
forms for animals.
50 HP motor & pump - pumps water into 6 AF tanks
& then diverts water into gravity ditches. Also
100 HP motor to pump waste water from the bottom
of farm to feed ditches.

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
<i>Annubar</i>	<i>See measurement form</i>					
<i>8" orifice</i>						

2. Measurements:

Total Diversion Capacity 4.79 cfs
176 AFA x 1.02 = 3.52 cfs Recommend 2.4 cfs as
per amendment of 51-7164 (attached analysis)
assignment

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

annubar
8" orifice

2. Alternate Method for Checking Purposes:

$$\frac{50 \text{ HP} \times 8.8 \times .85 \text{ eff}}{40' \text{ lift} + 1.433 \text{ TROPs} (46.51)} = 374 = 4.3 \text{ cfs}$$

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3)

; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 176 \times 4.5 = 792$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 2.4 \times 245 \times 1.9835 = 1166$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 792$$

2. Volume Calculations for Other Uses:

HAAC Fish:

$$V_{DIV} = .99 \times 365 \times 1.9835 = 716.7 \text{ AFA}$$

H. REMARKS AND OVERLAP REVIEW ANALYSIS

(no remarks)

* RD overlap w/ 7064A, 7102 A & B - same well.
Adequate flow for all licenses.

Groundwater claims #51-4018-4022 for same acreage,
all separate wells -

Claim 51-4017 & Permit 51-2225 ft. Jack's Creek -
include condition R05

* also Total combined diversion = 4.79 cfs

Total combined div volume = 3467.9 AFA

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
	From To	Q (cfs)	V (afa)

gravel	4/11	10/31	2.4	792 AFA
fish prep	1/1	12/31	.99	716.7 AFA

Totals:		3.39	1508.7
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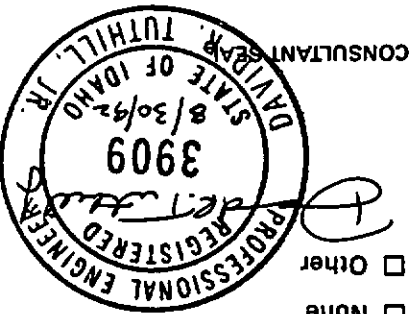
2. Recommended Amendments

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

J. AUTHENTICATION

Field Examiner's Name John K. Noyes
Signature [Signature]
Certification Date 5/1/92
Field Report Preparation Date 3/30/92

K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.



Given: $Q = 8.11 \text{ ft}^3/\text{sec}$

Length = 10' (100")

Discharge = 3" (3")

Hydraulic Radius = 52"

$$K = \frac{D_{\text{discharge}}}{D_{\text{hydraulic}}} = \frac{3}{52} = .0577$$

$$C = \left(\frac{1.483}{1 + K} \right) = .74$$

$G = 82.1 \text{ ft}^3/\text{sec}$

$$P = \text{Discharge Area} = 3.1416 \times (4")^2 = 50.26548 \text{ in}^2$$

$$Q = .74 \times 50.26548 \text{ in}^2 \times \sqrt{2 \times 32.174 \text{ ft/sec}^2 \times 5'}$$

$$= 37.126 \times \sqrt{3346.10 \text{ ft}^2/\text{sec}^2}$$

$$= 37.126 \times 57.845449$$

$$= 2151.013 \text{ G.P.M.} = \underline{4.74 \text{ cfs}}$$

Insert Equation for Q in Term for T in Page 1 (Change Discharge from 3" to 4")

$$Q = .74 \times 50.26548 \text{ in}^2 \times \sqrt{2 \times 32.174 \text{ ft/sec}^2 \times 5'}$$

$$= 37.126 \times \sqrt{3346.10 \text{ ft}^2/\text{sec}^2}$$

$$= 37.126 \times 57.845449$$

$$= 1814.9455 \text{ G.P.M.}$$

The (same) 1.51 gives 100% of 100" (100") Discharge

$$1.51 \times 1015 = 78/1015 = .077 = 4\% \text{ Increase}$$

On 14 (100%) Discharge

On 100% Discharge

IDAHO DEPARTMENT OF WATER RESOURCES
ADJ. LISTING OF WATER RIGHTS

AJ5807NP
(0D-117)

RIGHT NUMBER	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	MAXIMUM DIVERSION	STAGE
A51-07064A	HARLEY RANCHES STAR RT. BOX 49 HAMMETT ID 83627	04/19/1972	IRRIGATION FISH PROPAGATION	04-01 10-31 04-01 12-31	2.40 CFS 4.00 CFS	PERMIT
					2.40 CFS TOTAL 0.00 AFA TOTAL	

Ok. w/ pay to see if she's aware of all a hydrophobic springs, etc

TRIBUTARY:

SOURCE: GROUNDWATER
OTHER RIGHTS: A5107102A.
CONDITIONS OF APPROVAL:

REMARKS:

POINT OF DIVERSION:
T07S R05E S08

PLACE OF USE: IRRIGATION

T07S R05E S04
S06
S08

128.0 ACRES TOTAL

PLACE OF USE: FISH PROPAGATION - SWNW
SAME AS OTHER USE

From field exam dated 11-84
Westinghouse motor, 773890, 50HP
Hayne + Bohler pump, 780216

Temp. =

18", 1400' deep artesian well to GAF pond for fish propagation then to common delivery system for irrigation. 100 hp pump in relift pond.

Artesian flow = 2.23 cfs
Pumped flow = 4.79 cfs

Fish stocking & types of fish stocked
Techniques to improve production

8-24
Westinghouse - 50hp
Ser. # 8001
7738920615

fish pond = 100' w.

Also a well in pond which yields 20" to pond It supplements
big well.

Runways put in in 1984. Take up $\approx$ 8 acres.