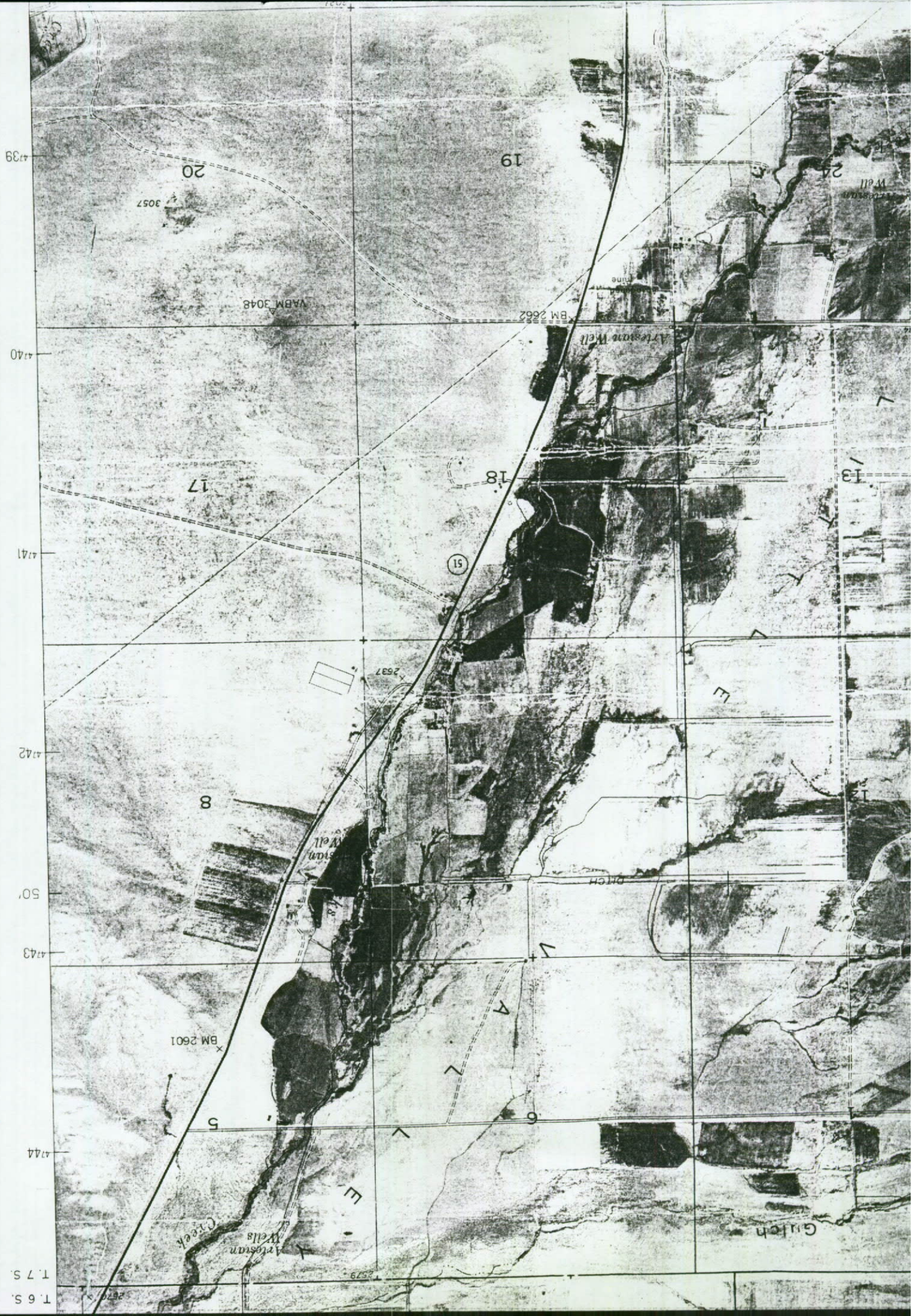




4739

4740

4741

4742

50

4743

4744

1.7 S.

1.6 S.

20

19

24

3057

VABM 3048

BM 2662

Artesian Well

17

18

(51)

13

2537

8

Artesian Well

BM 2601

5

6

Creek

Artesian Wells

Gulch

E

A

V

V

E

E

12

Ditch

V

V

E

2579

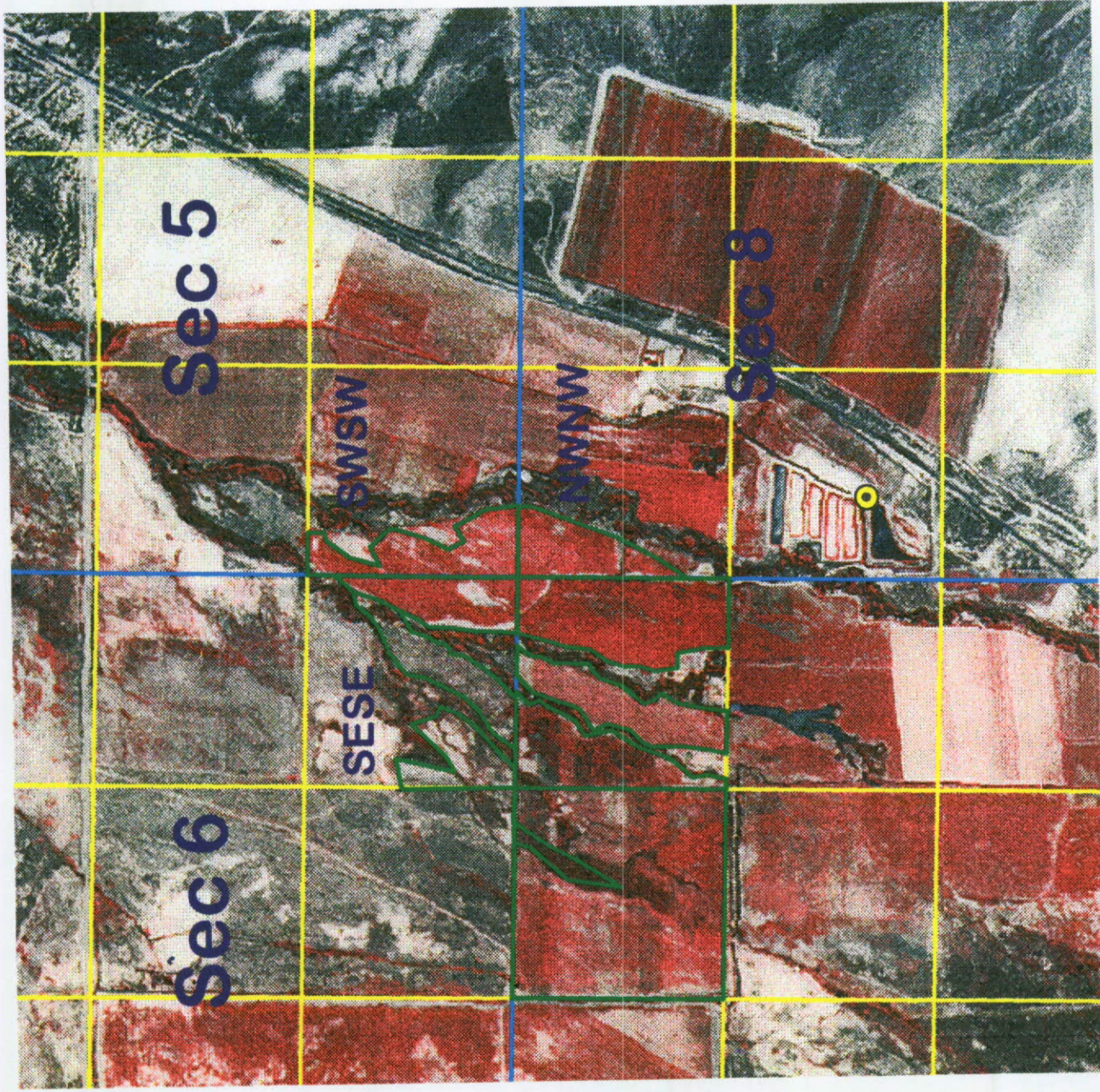
2579

2579

Idaho Dept of Water Resources

T07S, R05E, S05, 06, 08
Claim(s) : 51-07064B,
Owner(s): Christiansen
Prepared by: Sue Bock
Date: 6/03/1998

- SW Legal Description
- Place of Use
- Point of Diversion
- Section Lines
- 1/4 1/4 lines



1987 NAPP Photo



Idaho Dept of Water Resources

T07S, R05E, S05, 06, 08
Claim(s) : 51-07064B,
Owner(s): Christiansen
Prepared by: Sue Bock
Date: 6/03/1998

SW Legal Description



Place of Use



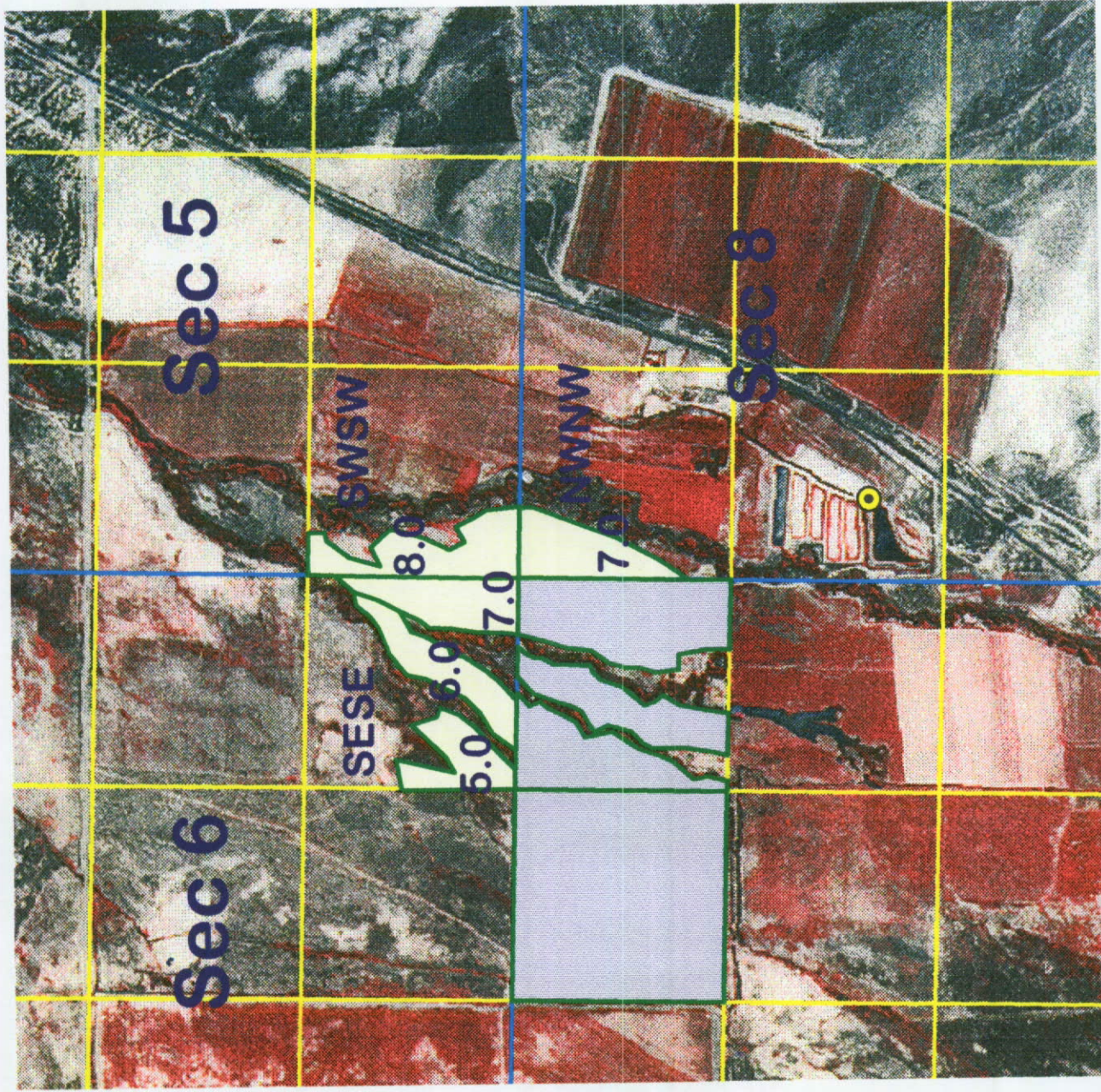
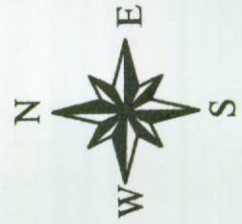
Point of Diversion



Section Lines



1/4 1/4 lines



1987 NAPP Photo

0 0.25 0.5 Miles



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.

should be 1284 acres
Assignment of permit 51-7064 awarded ~~58 acres~~ ^{WRONG - 80 ACRES} and 1.6 cfs to part B, reserving ~~262 acres~~ ^{WRONG} 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.

RSE 14001

BBB
13.9

C34
21C

39

37

A
23.3

E
7.0

H
21.8

D
12.2

G
7.5

F
19.7

C198 2
306C

57-7102

K
9.8

M
9.5

C103
25C

A
3.8

Q
7.8

R
4.0

S
8.5

P.O.

Fish Pond

A
81.2

A
7.5

C
5.5

D
4.5

G
19.4

E
2.7

F
3.2

K
2.9

D
17.4

7 8
18 17

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: A51-07064B
Date Received: 1/13/1989
Receipt No: 41004955 (35)
Received By: [Signature]

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: CRAIG L. CHRISTIANSEN 208-845-2055
Address: HC 85, BOX 171
BRUNEAU, ID 83604

Name: SHERRY L. CHRISTIANSEN 208-845-2055
Address: HC 85, BOX 171
BRUNEAU, ID 83604

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	NW			OWYHEE

5. Description of diverting works:
SEE REMARKS.

6. Water is used for the following purposes:

Purpose	From	To	C.F.S	(or)	A.F.A.
IRRIGATION	04/01	10/31	1.600		
FISH PROPAGATION	01/01	12/31	0.500		

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

8. Total consumptive use is Acre Feet Per Annum.

9. Non-irrigation uses:
FISH PROPAGATION - SHRIMP/TOLAPIA.

A51-07064B

Page 1

Date: 01/13/89

MICROFILMED
AUG 10 1992

10. Place of Use:

Township 07S	Range 05E	Section 5	1/4 SW	of 1/4 SW	Lot	Use IRR	Acres 22.0
					Section Acres		22.0
		6	SE SE	SE SE		IRR FISH	35.0
					Section Acres		35.0
		7	NW	NE		IRR	7.0
					Section Acres		7.0
		8	NW NW SW	NW NW NW		IRR FISH FISH	16.0
					Section Acres		16.0
					Total Acres		80.0

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:

CLAIM NO. ~~A57-07102B & A57-02225~~

AS1-07102B ; AS1-02225 D.E. *Q*

14. Remarks:

DESC. OF DIVERTING WORKS - ARTESIAN WELL FLOWS INTO POND WITH
ADDITIONAL PIPELINE INTO RACEWAYS. WATER THEN FLOWS INTO A PIPE
WITH BOOSTER PUMP FOR SPRINKLER IRRIGATION. GRAVITY IRRIGATION
ALSO OCCURS.

15. Basis of Claim: PERMIT

see Map in Claim No. A-51-02225

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: 0

For Individuals:

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

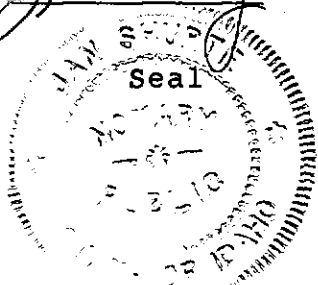
Signature of Claimant(s): Craig L. Christensen Date: 1-13-89

Date: _____

State of Idaho)
County of ADA) SS.

Subscribed and sworn (or affirmed) before me this 13th day

of January 19 89



Jan Skute
Notary Public

Residing at Meridian ID
My Commission Expires 9-14-94

WESTERN REGION

CLAIM NUMBERS 51-070643

AGENT SB DATE 6-9-98

TOTAL ACRES FROM RECOMMENDATION _____

GEOGRAPHIC INFO SYSTEM ACRES _____

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																			
GIS																			
RECOM																			
GIS																			

POLYGON CREATED ON 80__

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

ATTRIBUTES OF B51-POU.SHP (71)(72)(73)()()

ATTRIBUTES OF B51-POD.SHP (70)()()()()

B51-DBPOU.DBF _____ UPDATED BY

B51-DBPOD.DBF _____ UPDATED BY

Edited in notes APR

RDH GPSTABLE

OWNER CODE : C
NAME & ADDRESS : CRAIG L CHRISTIANSEN
HC 85 BOX 171
BRUNEAU ID 83604
(208) 845-2055

PRIORITY DATE : 04/19/1972
WATER USE : IRRIGATION
USE PERIOD FROM TO : 04-01 10-31
DIVERSION RATE : 0.66 CFS
DIVERSION VOLUME : 132.00 AFA

TOTAL DIVERSION: 0.66 CFS 132.00 AFA

Water Source: GROUNDWATER
Tributary to: T07S R05E S08
Stage: LICENSE
ONYHEE County

Point(s) of Diversion: T07S R05E S08

Place of use Legal Description for: IRRIGATION

T	R	S	NE			NW			SW			SE			SUM
			Lt	Ac	Ac	Lt	Ac	Ac	Lt	Ac	Ac	Lt	Ac	Ac	
07S 05E 5	:	:	:	:	:	:	:	:	:	:	:	:	:	:	8.0
07S 05E 6	:	:	:	:	:	:	:	:	:	:	:	:	:	:	18.0
07S 05E 7	:	31	:	:	:	:	:	:	:	:	:	:	:	:	70.0
07S 05E 8	:	:	:	:	:	:	:	:	:	:	:	:	:	:	7.0
														TOTAL ACRES	103.0

POU County: ONYHEE

Other Rights: 51-07102B & 51-02225.

- 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
 - 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
 - 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 TOTAL COMBINED DIVERSION RATE OF 4.79 CFS AND TO A TOTAL COMBINED DIVERSION VOLUME OF 3467.9 AF. THE COMBINED RIGHT NOS. ARE: 51-07064A, 51-07102A AND 51-07102B.

USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 2.06 CFS AND TO A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 412 AF. COMBINED RIGHT

Remarks: NOS.:51-02225, 51-07102B

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 USE OF THIS RIGHT WITH THE RIGHTS LISTED BELOW IS LIMITED TO THE IRRIGATION OF A COMBINED TOTAL OF 103 ACRES IN A SINGLE IRRIGATION SEASON. COMBINED RIGHT NOS.: 51-02225 & 51-07102B. THIS RIGHT IS LIMITED TO THE IRRIGATION OF 33 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.

EXP THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 51-07064A, 51-07102A & 51-07102B.

Dates: Exam Made Date: 11/09/1984 Verified Date: Objection Filed Date:

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

Comments: Date: 06/05/1998 User-ID: SBOCK Subject: COPIED FROM REMARKS DELIVERY SYSTEM: ARTESIAN WATER FROM THE WELL FLOWS INTO A POND AND THEN TO FISH RACEWAYS. A PUMP IN THE WASTE WATER POND PRESSURIZES AN IRRIGATION SPRINKLER SYSTEM. A 50 HP PUMP IN THE WELL CAN PRESSURIZE THE SAME SPRINKLER SYSTEM DIRECTLY.

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.

Audit: 11/11/98 LHARRIS

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

OWNER
CODE NAME & ADDRESS
C SHERRY L CHRISTIANSEN
C CRAIG L CHRISTIANSEN
HC 85 BOX 171
BRUNEAU ID 83604
(208) 845-2055

PRIORITY
DATE 04/19/1972 IRRIGATION

WATER USE

USE PERIOD
FROM TO 04-01 10-31

DIVERSION
RATE 0.66 CFS

DIVERSION
VOLUME 132.00 AFA

TOTAL DIVERSION: 0.66 CFS 132.00 AFA

Water Source: GROUNDWATER Tributary to: SNW

Point(s) of Diversion: T07S R05E S08

Stage: LICENSE

ONYHEE County

Place of use Legal Description for: IRRIGATION

		NE		NW		SW		SE			
T	R	S	ENE	SENE	ENE	SENE	ENE	SENE	ENE	SENE	SESE
			Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt
07S 05E 5											
07S 05E 6											
07S 05E 7		31									
07S 05E 8											
											SUM
											8.0
											18.0
											70.0
											7.0
											103.0

TOTAL ACRES

POU County: ONYHEE

Other Rights: 51-07102B & 51-02225.

- 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 TOTAL COMBINED DIVERSION RATE OF 4.79 CFS AND TO A TOTAL COMBINED DIVERSION VOLUME OF 3467.9 AF. THE COMBINED RIGHT NOS. ARE: 51-07064A, 51-07102A AND 51-07102B.

USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 2.06 CFS AND TO A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 412 AF. COMBINED RIGHT

AJ0749NP
No. R51-070648

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

DATE: 11/10/98
PAGE: 2

=====

Remarks: NOS.:51-02225, 51-071028

PQU1 USE OF THIS RIGHT WITH THE RIGHTS LISTED BELOW IS LIMITED TO
THE IRRIGATION OF A COMBINED TOTAL OF 103 ACRES IN A SINGLE
IRRIGATION SEASON. COMBINED RIGHT NOS.: 51-02225 & 51-071028.
THIS RIGHT IS LIMITED TO THE IRRIGATION OF 33 ACRES WITHIN
THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.

EXP THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF
DIVERSION DESCRIBED ABOVE: 51-07064A, 51-07102A & 51-071028.

Dates: Exam Made Date: 11/09/1984 Verified Date: Objection filed Date:

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

Comments: Date: 06/05/1998 User-ID: SBOCK Subject: COPIED FROM REMARKS
DELIVERY SYSTEM: ARTESIAN WATER FROM THE WELL FLOWS INTO A
POND AND THEN TO FISH RACEWAYS. A PUMP IN THE WASTE WATER POND
PRESSURIZES AN IRRIGATION SPRINKLER SYSTEM. A 50 HP PUMP IN THE
WELL CAN PRESSURIZE THE SAME SPRINKLER SYSTEM DIRECTLY.

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.

Audit: 11/10/98 SBOCK

OWNER CODE NAME & ADDRESS
C SHERRY L CHRISTIANSEN
C CRAIG L CHRISTIANSEN
HC 85 BOX 171
BRUNEAU ID 83604
(208) 845-2055

PRIORITY DATE WATER USE
04/19/1972 IRRIGATION

USE PERIOD FROM TO
04-01 10-31

DIVERSION RATE
0.66 CFS

DIVERSION VOLUME
132.00 AFA

TOTAL DIVERSION:
0.66 CFS
132.00 AFA

Water Source: GROUNDWATER Tributary to: SWNW

Point(s) of Diversion: T07S R05E S08

Stage: LICENSE
ONYHEE County

Place of use Legal Description for: IRRIGATION																													
NE					SW					SE																			
T		R		S		NENE		NWNE		SUNE		SENE		NENW		SNW		SENW		NENE		NWSE		SUSE		SESE		SUM	
---		---		---		---		---		---		---		---		---		---		---		---		---		---		---	
07S 05E 5 :																												8.0	
07S 05E 6 :																												18.0	
07S 05E 8 :																												7.0	
																												33.0	
																												TOTAL ACRES	

AJ0749NP
No. R51-070648

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

DATE: 08/17/98
PAGE: 2

Remarks:

THE IRRIGATION OF A COMBINED TOTAL OF 103 ACRES IN A SINGLE
IRRIGATION SEASON. COMBINED RIGHT NOS.: 51-02225 & 51-071028.

EXP

THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF
DIVERSION DESCRIBED ABOVE: 51-07064A, 51-07102A & 51-071028.

Dates:

Exam Made Date: 11/09/1984 Verified Date: 08/17/1998 Objection Filed Date:

Misc:

Water District Number: Field Inspection Flag:
Presumption Flag:

Comments:

Date: 06/05/1998 User-ID: SBOCK Subject: COPIED FROM REMARKS
DELIVERY SYSTEM: ARTESIAN WATER FROM THE WELL FLOWS INTO A
POND AND THEN TO FISH RACEWAYS. A PUMP IN THE WASTE WATER POND
PRESSURIZES AN IRRIGATION SPRINKLER SYSTEM. A 50 HP PUMP IN THE
WELL CAN PRESSURIZE THE SAME SPRINKLER SYSTEM DIRECTLY.

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.

Audit:

08/17/98 SBOCK

AJ0749NP
No. R51-07064B

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

DATE: 06/05/98
PAGE: 1

OWNER
CODE NAME & ADDRESS
C SHERRY L CHRISTIANSEN
C CRAIG L CHRISTIANSEN
HC 85 BOX 171
BRUNEAU ID 83604
(208) 845-2055

PRIORITY
DATE 04/19/1972
WATER USE IRRIGATION
USE PERIOD
FROM 04-01
TO 10-31
DIVERSION
RATE 0.66 CFS
DIVERSION
VOLUME 132.00 AFA
TOTAL DIVERSION:
0.66 CFS 132.00 AFA

Water Source: GROUNDWATER
Tributary to:
T07S R05E S08
SWNW
OWYHEE County

Point(s) of Diversion:

Place of use Legal Description for: IRRIGATION

NE		NW		SW		SE							
NENE NWNE SWNE SENE		NENW NWNW SWNW SENW		NESW NWSW SMSW SESW		NESE NWSE SMSW SESE							
T	R	S	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	SUM
07S 05E	5	:	:	:	:	:	:	:	:	:	:	:	8.0
07S 05E	6	:	:	:	:	:	:	:	:	:	:	:	18.0
07S 05E	8	:	:	:	:	:	:	:	:	:	:	:	7.0
												TOTAL ACRES	33.0

POU County: OWYHEE

Other Rights: 51-07102B & 51-02225.

Remarks: QNT USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS LIMITED TO A
TOTAL COMBINED DIVERSION RATE OF 4.79 CFS AND TO A TOTAL
COMBINED DIVERSION VOLUME OF 3467.9 AF. THE COMBINED RIGHT NOS.
ARE: 51-07064A, 51-07102A AND 51-07102B.

EXP THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF
DIVERSION DESCRIBED ABOVE: 51-07064A, 51-07102A & 51-07102B.

Dates: Exam Made Date: 11/09/1984 Verified Date: 06/05/1998 Objection Filed Date:

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

Comments: Date: 06/05/1998 User-ID: SBOCK Subject: COPIED FROM REMARKS
DELIVERY SYSTEM: ARTESIAN WATER FROM THE WELL FLOWS INTO A
POND AND THEN TO FISH RACEWAYS. A PUMP IN THE WASTE WATER POND

Handwritten notes:
L 20 9. 103
1204 1700 1412

DATE: 06/05/98
PAGE: 2

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

AJ0749NP
No. R51-07064B

Comments: Date: 06/05/1998 User-ID: SBOCK Subject: COPIED FROM REMARKS
PRESSURIZES AN IRRIGATION SPRINKLER SYSTEM. A 50 HP PUMP IN THE
WELL CAN PRESSURIZE THE SAME SPRINKLER SYSTEM DIRECTLY.

Audit: 06/05/98 SBOCK

AJ0749NP
No. R51-070648

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

DATE: 10/15/96
PAGE: 2

=====

Audit: 10/15/96 MSCHULTE

ADJUDICATION CLAIM CHECKLIST

NOTICE OF CLAIM NO. A57-07064B

FIELD EXAM
Y/N-IF NO,
DO OFFICE
VERIFICATION
WHOM/DATE

FIELD EXAM
OR IN-OFFICE
VERIFICATION
WHOM/DATE

CLAIM
VERIFIED BY
CODE
(SEE BELOW)

CHANGE
CLAIM
Y/N

CLAIMANT CONTACT
NEEDED - Y/N**

REVIEW
COMPLETED
WHOM/DATE

"R" RECORD

PRIORITY*

PT. OF DIV.

SOURCE

PL. OF USE

DIV. AMOUNT
CFS/AF

CONSUMPTIVE
USE

NATURE OF
USE

PERIOD OF
USE

BASIS OF
CLAIM

REMARKS

DATA ENTRY COMP
BY DATE

FINAL RECOMMEND

BY DATE

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

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

COMMENTS:

VERIFICATION CODES
TOPO MAP/ORTHO PHOTO = 1
ASCS MAP = 2
WATERMASTER RECORDS = 3
NAPP PHOTOS = 4
FIELD EXAM = 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

44
CLAIM NUMBER: A51-070648

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	Y				6			
CONSUMPTIVE USE	-				-			
PURPOSES	Y				6			
PERIOD OF USE	Y				6			
BASIS OF CLAIM	Y				6			
REMARKS	Y				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 = license issued 2/28/95

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

31
CLAIM NUMBER: A51-07064B

LAST: BACHMAN
ADDRESS:
CITY: BRUNEAU
PHONE NUMBER: 208-000-0000
OWNER CODE: 0

FIRST: MERLE
STATE: ID ZIP: 83604

LAST: CHRISTIANSEN
ADDRESS: HC 85, BOX 171
CITY: BRUNEAU
PHONE NUMBER: 208-845-2055
OWNER CODE: C

FIRST: CRAIG L.
STATE: ID ZIP: 83604

LAST: CHRISTIANSEN
ADDRESS: HC 85, BOX 171
CITY: BRUNEAU
PHONE NUMBER: 208-845-2055
OWNER CODE: C

FIRST: SHERRY L.
STATE: ID ZIP: 83604

FIELD EXAM REQUIRED?

FIELD
EXAMINER

VERIFICATION REQUIRED DUE TO REMARKS?

DATABASE
Y

CLAIM REMARKS: DESC. OF DIVERTING WORKS - ARTESIAN WELL FLOWS INTO POND WITH
ADDITIONAL PIPELINE INTO RACEWAYS. WATER THEN FLOWS INTO A PIPE
WITH BOOSTER PUMP FOR SPRINKLER IRRIGATION. GRAVITY IRRIGATION
ALSO OCCURS.

CONTACT PERSON: _____

PHONE NUMBER: (____) _____

* DATE OF FIELD EXAM: ____/____/____

APPOINTMENT MADE: Y(____) N(____)

TIME: ____:____ A(____) P(____)

ACCOMPANIED BY: _____

PHONE NUMBER: (____) _____

RELATIONSHIP TO CLAIMANT: _____

DIRECTIONS TO PROPERTY / NOTES:

* *Inventory field exam 11-9-1984. - Summary and Review 5-1-1992.*

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

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

C. FIELD EXAM REQUIRED?

DUE TO PRIORITY DATE DISCREPANCY? (Y/N) DATABASE EXAMINER
NARE THERE OBVIOUS REASONS TO QUESTION THE PRIORITY DATE CLAIMED? Y() N(☒)

NOTES:

RECOMMENDED PRIORITY DATE:

04-19-1972

REVIEWED BY

Mel Schulte

DATE

9-27-96

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

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

OTHER AJ CLAIMS WITH SAME AJ POD
A PREFIX R PREFIX
A51-07102B NONE

WR RECORDS IN SAME 40 ACRE TRACT

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

SOURCE: GROUNDWATER

TRIB:

B. WR POINT OF DIVERSION AND SOURCE:

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

OTHER WR RECORDS WITH SAME WR POD

AJ CLAIMS IN SAME 40 ACRE TRACT
A PREFIX R PREFIX

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

SOURCE: GROUNDWATER

TRIB:

C. FIELD EXAM REQUIRED?

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

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	SW	SW		CHRISTIANSEN, CRAIG L.	A51-07064B / 22.0	51-07064B / 22.0	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		HARLEY RANCHES	A51-07064A / 7.0	51-07064A / 7.0			
			SW	SW		CHRISTIANSEN, CRAIG L.	A51-02225 / 19.0	51-02225 / 40.0			
			SW	SW		BACHMAN, MERLE					
			SW	SW		CHRISTIANSEN, CRAIG L					
			SW	SW			L51-07064B / 8.0				8
07S	05E	6	SE	SE		CHRISTIANSEN, CRAIG L.	A51-07064B / 35.0	51-07064B / 35.0	39.0		
			SE	SE		CHRISTIANSEN, CRAIG L.	A51-02225 / 26.0	51-02225 / 40.0			
			SE	SE		CHRISTIANSEN, CRAIG L.	A51-07102B /	51-07102B /			
			SE	SE		BACHMAN, MERLE K.		51-04017 / 40.0			
			SE	SE		BACHMAN, MERLE K.		51-04018 / 40.0			
			SE	SE		BACHMAN, MERLE K.		51-04019 / 40.0			
			SE	SE		BACHMAN, MERLE K.		51-04020 / 40.0			
			SE	SE		BACHMAN, MERLE K.		51-04021 / 40.0			
			SE	SE		BACHMAN, MERLE K.		51-04022 / 40.0			
			SE	SE		BACHMAN BROTHERS		51-02102A /			
			SE	SE		CHRISTIANSEN, CRAIG L		L51-07064B / 18.0			18
07S	05E	6	SE	SE		CHRISTIANSEN, CRAIG L.	A51-07064B /	51-07064B / 35.0	39.0		
			SE	SE		CHRISTIANSEN, CRAIG L.	A51-02225 / 26.0	51-02225 / 40.0			
			SE	SE		CHRISTIANSEN, CRAIG L.	A51-07102B /	51-07102B /			
			SE	SE		BACHMAN, MERLE K.		51-04017 / 40.0			
			SE	SE		BACHMAN, MERLE K.		51-04018 / 40.0			
			SE	SE		BACHMAN, MERLE K.		51-04019 / 40.0			
			SE	SE		BACHMAN, MERLE K.		51-04020 / 40.0			
			SE	SE		BACHMAN, MERLE K.		51-04021 / 40.0			
			SE	SE		BACHMAN, MERLE K.		51-04022 / 40.0			
			SE	SE		BACHMAN BROTHERS		51-07102A /			
			SE	SE		CHRISTIANSEN, CRAIG L		L51-07064B / 18.0			
07S	05E	7	NW	NE		CHRISTIANSEN, CRAIG L.	A51-07064B / 7.0	51-07064B / 7.0	40.0		
			NW	NE		CHRISTIANSEN, CRAIG L.	A51-02225 / 40.0				
			NW	NE		CHRISTIANSEN, CRAIG L.	A51-07102B / 40.0	51-07102B / 40.0			
			NW	NE		JOHNSON, CARL T.		51-02187 / 19.0			
			NW	NE		CHRISTIANSEN, CRAIG L		L51-07102B / 39.0			

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	LR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
07S	05E	8	NW	NW		CHRISTIANSEN, CRAIG L.	A51-07064B / 16.0	51-07064B / 16.0	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	A51-07064A / 7.0	51-07064A / 7.0			
			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.	A51-07102B /	51-07102B /			
			NW	NW		BACHMAN, MERLE	<u>A51-07064B / 16.0</u>				
			NW	NW		CHRISTIANSEN, CRAIG L.	<u>A51-07064B / 7.0</u>				
07S	05E	8	NW	NW		CHRISTIANSEN, CRAIG L.	A51-07064B / 16.0	51-07064B / 16.0	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	A51-07064A / 7.0	51-07064A / 7.0			
			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.	A51-07102B /	51-07102B /			
			NW	NW		BACHMAN, MERLE	L51-07064A / 16.0				
			NW	NW		CHRISTIANSEN, CRAIG L.	L51-07064B / 7.0				
07S	05E	8	SW	SW		CHRISTIANSEN, CRAIG L.	A51-07064B / 16.0	51-07064B / 16.0	35.0		
			SW	SW		HARLEY RANCHES	A51-04017 / 20.0	51-04017 / 30.0			
			SW	SW		HARLEY RANCHES	A51-04018 / 20.0	51-04018 / 30.0			
			SW	SW		HARLEY RANCHES	A51-04019 / 20.0	51-04019 / 30.0			
			SW	SW		HARLEY RANCHES	A51-04020 / 20.0	51-04020 / 30.0			
			SW	SW		HARLEY RANCHES	A51-04021 / 20.0	51-04021 / 30.0			
			SW	SW		HARLEY RANCHES	A51-04022 / 20.0	51-04022 / 30.0			
			SW	SW		HARLEY RANCHES	A51-07064A / 19.0	51-07064A / 19.0			
			SW	SW		HARLEY RANCHES	A51-07102A /	51-07102A /			
			SW	SW		CHRISTIANSEN, CRAIG L.	A51-07102B /	51-07102B /			
			SW	SW		BRUNEAU CATTLE CO.	A51-07013 / 4.0	51-07013 / 4.0			
			SW	SW		HARLEY RANCHES	51-02225 / 40.0				
			SW	SW		BACHMAN, MERLE	L51-07064A /				
			SW	SW		BACHMAN BROTHERS	L51-07102A /				
			SW	SW		CHRISTIANSEN, CRAIG L.	L51-07102B /				
TOTAL ACRES							80.00	131.00	243.00		

A51-07064B

243.00

131.00

80.00

TOTAL ACRES

A51-07064B

33

A. AJ CLAIMED USES:

PURPOSES	MONTH/DAY	DIVERSION QUANTITY
A51-070648 IRRIGATION	FROM 04-01 TO 10-31	1.600 CFS
A51-070648 FISH PROPAGATION	FROM 01-01 TO 12-31	.500 CFS
	TOTAL DIVERSION RATE/VOLUME CLAIMED	2.100 CFS

No fish component addressed

B. WR RECORDED USES:

PURPOSES	MONTH/DAY	DIVERSION QUANTITY
51-070648 IRRIGATION	FROM 04-01 TO 10-31	1.600 CFS
	TOTAL DIVERSION RATE/VOLUME CLAIMED	1.600 CFS

PRESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

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

D. PERIOD OF USE:

RECOMMEND AS CLAIMED? Y() N()

RECOMMEND TO WR STANDARDS OR OTHER? Y() N() Explain in notes, below.

NOTES:

Per license issued 2-28-95

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

AJ TOTAL CLAIMED DIVERSION RATE: 2.100 CFS
WR ROOT RIGHT TOTAL DIVERSION RATE: 1.600 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?

FIELD
DATABASE EXAMINER

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

B. MEASUREMENT METHOD *per licensing form* SEE ATTACHED CALCULATIONS.

FLOW MEASUREMENT

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

OTHER RIGHTS LISTED IN CLAIM: CLAIM NO. A51-071028 & A51-02225.

LIST ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE:

CLAIM NO.	SOURCE	NAME	DIV. RATE	RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A51-070648	GROUNDWATER	CHRISTIANSEN, CRAIG L.	2.100	0.026		
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		
A51-07064A	GROUNDWATER	HARLEY RANCHES	2.400	0.018		
A51-071028	GROUNDWATER	CHRISTIANSEN, CRAIG L.	1.900	0.023		

Stockwater right to

No overlap 5.01

covers other acres at same farm.

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

CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A51-070648	FISH PROPAGATION	CHRISTIANSEN, CRAIG L.	FROM 01-01 TO 12-31	.500 CFS	covered in 51-071028
A51-071028	FISH PROPAGATION	CHRISTIANSEN, CRAIG L.	FROM 01-01 TO 12-31	1.900 CFS	

CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A51-07102A	FISH PROPAGATION	HARLEY RANCHES	FROM 01-01 TO 12-31	1.900 CFS	

D. RATE/VOLUME CALCULATIONS: (IRRIGATION)

1a. IRRIGATION RATE
ACRES 33 x 0.02 CFS/ACRE = 0.66 CFS
(Taken from p/u review)

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

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

2. IRRIGATION CONSUMPTIVE USE
CLAIMED CONSUMPTIVE USE = NA 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 33 x DIVERSION VOL. AF/A FOR AREA 4 =
TOTAL DIVERSION VOLUME 132 AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:
SEE ATTACHED SHEET? Y(NA)

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

RECOMMENDATIONS: No license

REC. PURPOSES	REC. PERIOD FROM TO	REC. DIV RATE CFS	REC. DIV VOL. AF/A	REC. CONS. USE
<u>Amputation</u>	<u>4-1 10-31</u>	<u>.66</u>	<u>132</u>	
		<u>.66</u>	<u>132.</u>	

TOTAL FOR THIS RIGHT

REVIEWED BY: Mel Schultz DATE: 9-27-96

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

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

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)

NOTES:

AUTHENTICATION

SIGNATURE: *[Signature]*

DATE: 9-27-96

NAME OF FIELD EXAMINER:

TITLE:

LIST OF MAPS USED AND ATTACHMENTS

CLAIM NUMBER: 451-07064B

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

TYPE OF MAP OR PHOTOGRAPH (CHECK IF USED)

IF USED, SUPPLY APPROPRIATE DATE AND OTHER INFORMATION

COPY INCLUDED
IN FILE?

☒ ORTHOPHOTOQUAD	DATE OF PHOTO	<u>AA611974</u>	IDWR ID NO.	<u>AA61</u>	Y(<u>X</u>) N(<u> </u>)
☒ TOPOGRAPHIC	DATE FIELD CHECKED	<u>AA611978</u>	IDWR ID NO.	<u>AA61</u>	Y(<u> </u>) N(<u>X</u>)
☒ NAAPP	DATE OF PHOTO	<u>AA611987</u>	IDWR ID NO.	<u>AA61NE</u>	Y(<u> </u>) N(<u>X</u>)
☐ ASCS AERIAL PHOTO	DATE OF PHOTO				Y(<u> </u>) N(<u> </u>)
☐ ASCS COLOR SLIDE	DATE OF PHOTO				Y(<u> </u>) N(<u> </u>)
☐ BLM OR USFS AERIAL PHOTO	DATE OF PHOTO				Y(<u> </u>) N(<u> </u>)
☐ TOWNSHIP SURVEY (GOVERNMENT PLAT)	DATE OF SURVEY				Y(<u> </u>) N(<u> </u>)
☐ SCS SOIL SURVEY MAP	DATE ISSUED				Y(<u> </u>) N(<u> </u>)
☐ SUBDIVISION PLAT MAP	DATE OF MAP				Y(<u> </u>) N(<u> </u>)
☒ OTHER <u>612</u>	DATE	<u>CM 10-5-88</u>	<u>off of 1987</u>		Y(<u>X</u>) N(<u> </u>)
☐ OTHER	DATE				Y(<u> </u>) N(<u> </u>)
☐ OTHER	DATE				Y(<u> </u>) N(<u> </u>)

LIST OF ATTACHMENTS (CHECK IF ATTACHED)

IF ATTACHED, SUPPLY APPROPRIATE INFORMATION

NO. OF
PAGES

☒ LICENSING FIELD EXAM	DATE OF FIELD EXAM	<u>11-9-1984</u>	<u>4</u>	NOTES
☒ WATER RIGHT LICENSE	DATE LICENSE SIGNED	<u>2-28-1995</u>	<u>2</u>	
☐ IDWR APPROVED TRANSFER	DATE TRANSFER APPROVED			
☐ SYSTEM DESCRIPTION	DATE DRAWN			
☐ 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>4-26-1983</u>	<u>1</u>	
☒ OTHER <u>Memorandum</u>	DATE <u>5-1-1992</u>	<u>System description, system summary & overlap review.</u>		
☐ OTHER	DATE			

OWNER
CODE
NAME & ADDRESS
C CRAIG L. CHRISTIANSEN
C SHERRY L. CHRISTIANSEN
HC 85, BOX 171
BRUNEAU ID 83604
(208) 845-2055

PRIORITY
DATE
04/19/1972

WATER USE
IRRIGATION
FISH PROPAGATION

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

DIVERSION
RATE
1.60 CFS
0.50 CFS
2.10 CFS

DIVERSION
VOLUME

TOTAL DIVERSION:

Water Source: GROUNDWATER
Tributary to: SWNW
Point(s) of Diversion: T07S R05E S08
Stage: PERMIT
OWYHEE County

Place of use Legal Description for: IRRIGATION									
NE									
NW									
SW									
SE									
SUM									
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	7	Lt	Ac	Lt	Ac	Lt	Ac	Lt
07S	05E	8	Lt	Ac	Lt	Ac	Lt	Ac	Lt
22.8									
48									
22.0									
35.0									
7.0									
16.0									
80.0									
33									

Place of use Legal Description for: FISH PROPAGATION - Covered under 51-07102B

NE									
NW									
SW									
SE									
SUM									
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	7	Lt	Ac	Lt	Ac	Lt	Ac	Lt
07S	05E	8	Lt	Ac	Lt	Ac	Lt	Ac	Lt
22.8									
48									
22.0									
35.0									
7.0									
16.0									
80.0									
33									

POU County: OWYHEE

Non-Irrigation Uses: FISH PROPAGATION - SHRTMP/TOLAPTA

Other Rights: CLAIM NO. A51-07102B & A51-02225.

Remarks: DESC. OF DIVERTING WORKS - ARTESIAN WELL FLOWS INTO POND WITH
ADDITIONAL PIPELINE INTO RACEWAYS. WATER THEN FLOWS INTO A PIPE
WITH BOOSTER PUMP FOR SPRINKLER IRRIGATION. GRAVITY IRRIGATION
ALSO OCCURS.

Dates: Exam Made Date: Verified Date:
Misc: Water District Number: Field Inspection Flag:
Presumption Flag:

IDAHO DEPARTMENT OF WATER RESOURCES
ADJ. LISTING OF WATER RIGHTS

AJ5807NP
(OD-117)

RIGHT NUMBER	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	MAXIMUM DIVERSION	STAGE
A51-07064B	CRAIG L. CHRISTIANSEN SHERRY L. CHRISTIANSEN HC 85, BOX 171 BRUNEAU ID 83604	04/19/1972	IRRIGATION FISH PROPAGATION	04-01 10-31 01-01 12-31	1.60 CFS 0-50 CFS	PERMIT
					2.10 CFS TOTAL 8-00 AFA TOTAL	

SOURCE: GROUNDWATER
OTHER RIGHTS: CLAIM NO. A51-07102B & A51-02225.
CONDITIONS OF APPROVAL:

REMARKS: DESC. OF DIVERTING WORKS - ARTESIAN WELL FLOWS INTO POND WITH
ADDITIONAL PIPELINE INTO RACEWAYS. WATER THEN FLOWS INTO A PIPE
WITH BOOSTER PUMP FOR SPRINKLER IRRIGATION. GRAVITY IRRIGATION
ALSO OCCURS.

POINT OF DIVERSION:
T07S R05E S08

SWNW

PLACE OF USE: IRRIGATION

T07S R05E S05
S06
S07
S08
80.0 ACRES TOTAL

Found
SWSW 22.0 8
SESE 35.0 18
SWNE 16.0 7
WNW 16.0 7
Nothing found here

PLACE OF USE: FISH PROPAGATION

SESE

SWNW

Added use
increased quantity
Same well as A51-07064A

Water Right Number - 51-070648 Prefix Translation: WATER RIGHT Old (D) Number -
+ - - - - Last Name - - - - + - - - - First Name - - - - + - - - - Address - - - - - +

*** C - CURRENT OWNER ***
CHRISTIANSEN
CRAIG L.
1 -
2 -
3 -
City- BRUNEAU State- ID Zip- 83604
Phone -

CHRISTIANSEN
SHERRY L.
1 -
2 -
3 -
City- BRUNEAU State- ID Zip- 83604
Phone -

*** O - ORIGINAL OWNER ***
BACHMAN
MERLE
1 -
2 -
3 -
City- State- Zip-
Phone -

+ - - Priority Date - - + + - - - Region - - - + + - - - Stage - - - + + - - - Status - - - +
04/19/1972 14 WESTERN P - PERMIT

+ - - - - Source - - - - - +
GROUNDWATER

+ - - - - Point of Diversion - - - - - Stream Index (Blank if no Index Code)
Twn Rng Sec Tract Lot RFlg County

07S 05E 8 SW NW (73) OWYHEE
+ - - - - Water Use - - - - - Diversion Rate Diversion Volume
Code Description Period From Period To

01 - IRRIGATION 04/01 10/31 1.600
+ - - Total Div. Rate - - + + - - Total Div. Volume - - + + - - Total Div. Capacity - - +
1.600

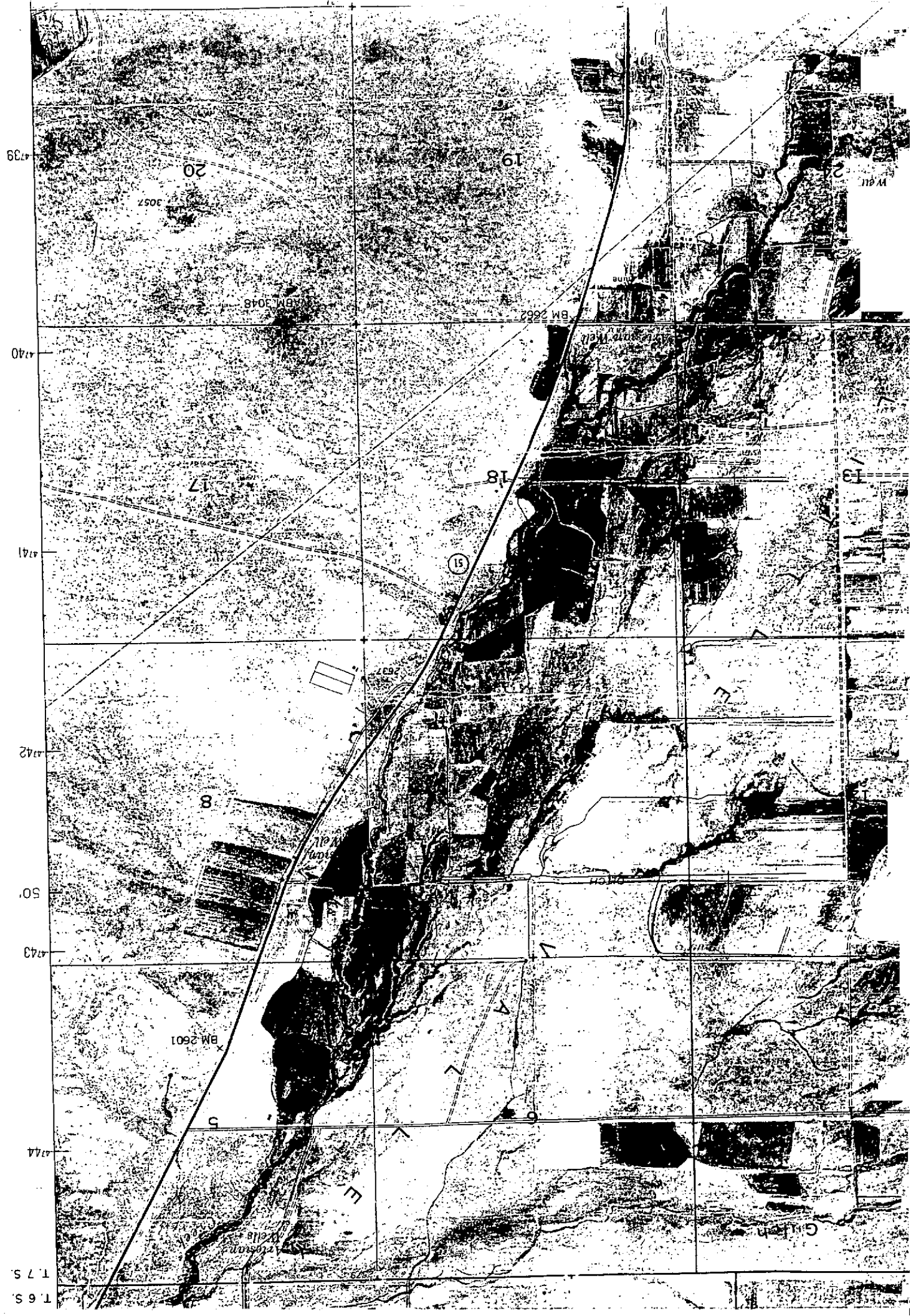
+ - - - - Place of Use - - - - - Description County
Twn Rng Sec Tract Lot Acres Code

07S 05E 5 SW SW 22.0 01 IRRIGATION (73) OWYHEE
07S 05E 6 SE SE 35.0 01 IRRIGATION (73) OWYHEE
07S 05E 7 NW NE 7.0 01 IRRIGATION (73) OWYHEE
07S 05E 8 NW NW 16.0 01 IRRIGATION (73) OWYHEE

Total Acres: 80.0
+ - - Diversion Means -
+ - - Non-Irrigation Use -

Water right number - 51-07064B

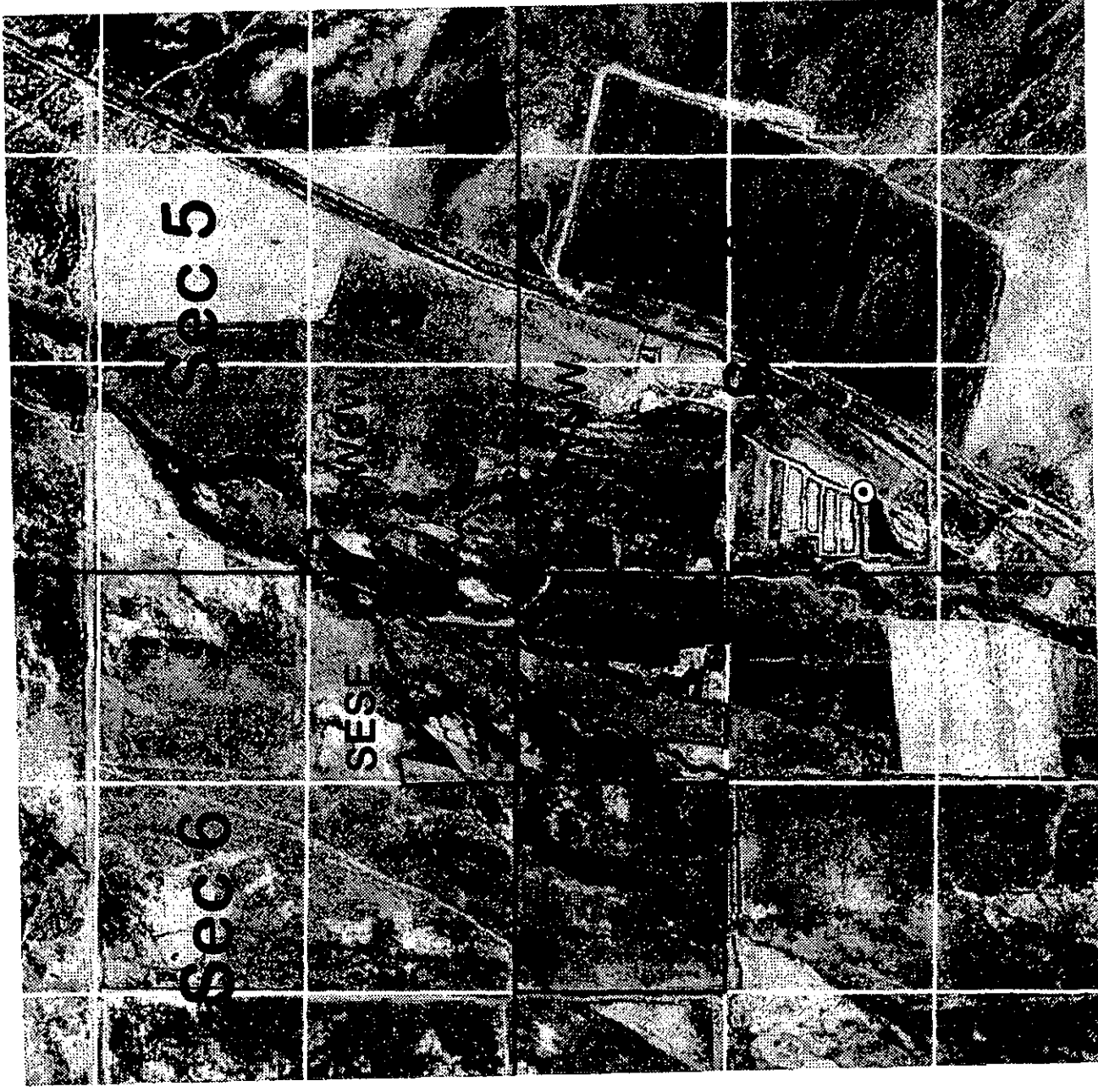
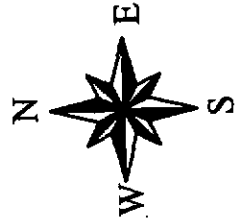
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Idaho Dept of Water Resources

T07S, R05E, S05, 06, 08
Claim(s) : 51-07064B,
Owner(s): Christiansen
Prepared by: Sue Bock
Date: 6/03/1998

- | | |
|---|--------------------|
| SW | Legal Description |
|  | Place of Use |
|  | Point of Diversion |
|  | Section Lines |
| | 1/4 1/4 lines |



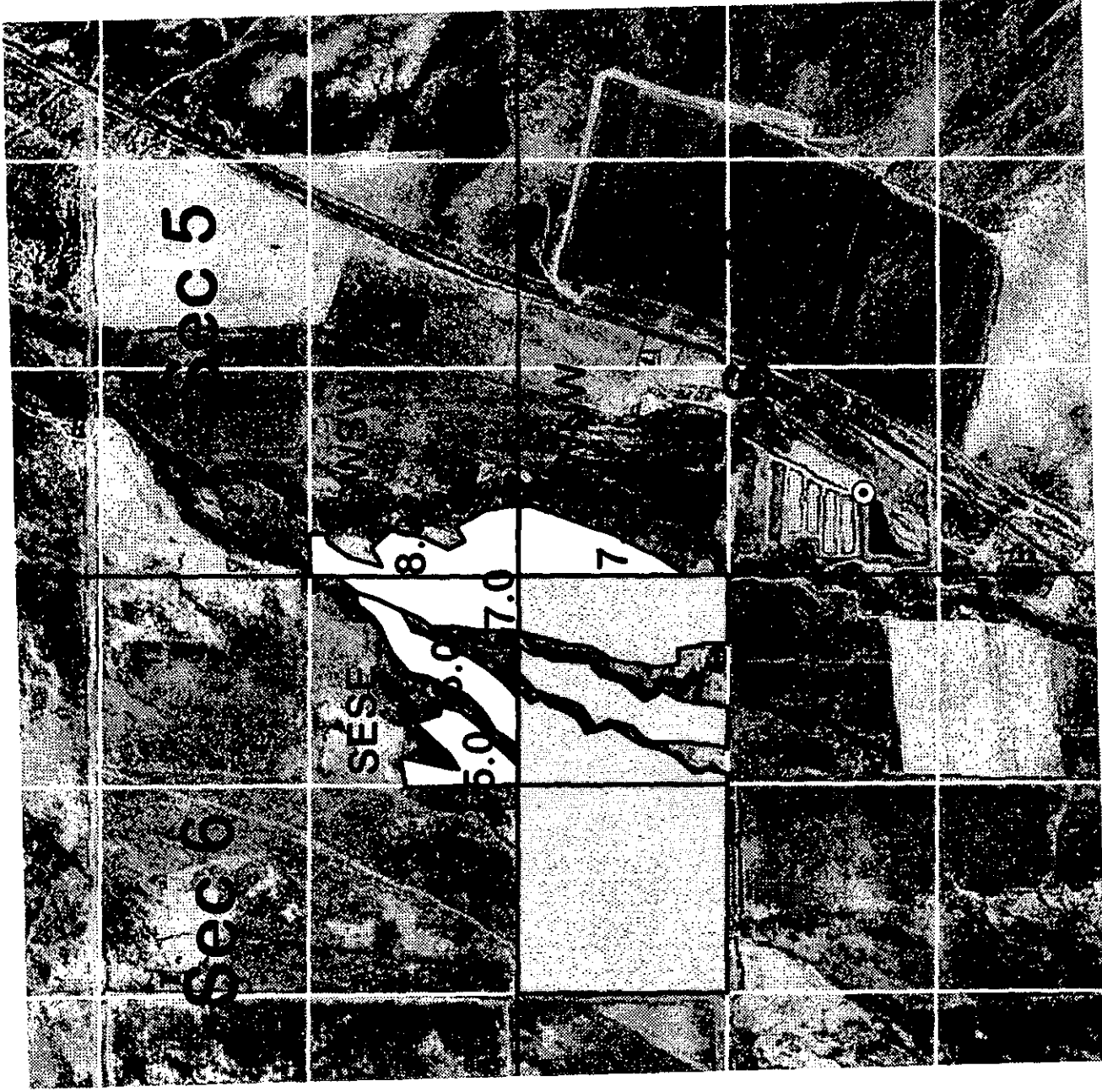
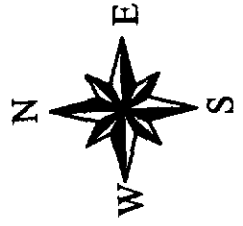
1987 NAPP Photo



Idaho Dept of Water Resources

T07S, R05E, S05, 06, 08
Claim(s) : 51-07064B,
Owner(s): Christiansen
Prepared by: Sue Bock
Date: 6/03/1998

- | | |
|---|--------------------|
| SW | Legal Description |
|  | Place of Use |
|  | Point of Diversion |
|  | Section Lines |
| | 1/4 1/4 lines |



1987 NAPP Photo



State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 51-07064B

Priority: April 19, 1972

Maximum Diversion Rate:

0.66 CFS

Maximum Diversion Volume:

132.0 AF

This is to certify, that CRAIG L CHRISTIANSEN
SHERRY L CHRISTIANSEN

BRUNEAU ID 83604 has complied with the terms and condition 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 indicate 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	0.66 CFS	132.0 AF

LOCATION OF POINT(S) OF DIVERSION:

SWNW , Sec. 8, Township 07S, Range 05E
OWYHEE County

PLACE OF USE: IRRIGATION

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
07S	05E	5	SWSW	8		8
		6	SESE	18		18
		8	NWNW	7		7

Total number of acres irrigated: 33

CONDITIONS/REMARKS:

- 905 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 limited to the amount that can actually be beneficially use 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.
- 904 2. This water right is appurtenant to the described place of use.
- 901 3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
- 902 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.

State of Idaho
Department of Water Resources**WATER RIGHT LICENSE**
WATER RIGHT NO. 51-07064BCONDITIONS/REMARKS: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: 51-07064A, 51-07102A, and 51-07102B.

EXP
F06

7. The following rights are also diverted through the point of diversion described above: 51-07064A, 51-07102A, and 51-07102B.

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 3.8 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.

RECEIVED
DEC 09 1992

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Department of Water Resources
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

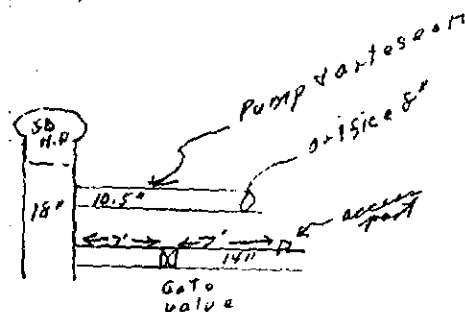
1. Owner: STANLEY & SHERRY CHRISTIANSON Permit No. 51-7074R
Current Address: Brunson, Idaho 83604 Phone No. _____
2. Accompanied by: applicant EXAM. DATE: 11/9/84
Address: _____ Phone No. _____
Relationship to Permit Holder: _____
3. Source: G.W. tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: 51-2225, 51-4017, 51-4022
_____ ☐ Copies Attached
2. Other water rights with same point of diversion: 51-7064R, 51-7102R + R
_____ ☐ 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" = 20'

2. ☒ Copy of U.S.G.S. Quadrangle Attached ☒ Aerial Photo Attached
Showing location(s) of point(s) of diversion and (required for irrigation of 10 acres or more).
place(s) of use (required).
☐ Photo of Diversion and System Attached See 51-7102R
(required for all but single household domestic groundwater, and stockwater).

System Description (continued)

3. Narrative: Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

50 HP motor & pump - water flows to garden
 & then into gravity ditch. 100 ft. motor added!
 pump at bottom of ditch on farm.
 * See attached remarks

☐ See Remarks on page 4 for continuation

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
18	WESTINGHOUSE	50	773870	100 HP KALINOS	780316

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

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		SW	SW	NW	8	7S	5E	OWYHAW	Aerial photo

6. Place(s) of Use:

Indicate Method of Determination

Twp.	Rge.	Sec.	NE¼				NW¼				SW¼				SE¼				Totals
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
7S	5E	5																5	
		6															18	18	
		8																7	
																		33	

Do not use this space

H. REMARKS AND OVERLAP REVIEW ANALYSIS

No remarks.

Claims 51-4018-4022 Same acreage, Separate wells
* Permits 51-7064A, 7102A & B. Same well, diff. acreage
Claim 51-4017 & Permit 51-2225 from Jack's CK.

Use condition R05 Total diversion
* also: Total combined diversion = 4.79 cfs
Total diversion volume = 3467.9 AFA

I. RECOMMENDATIONS

1. Recommended Amounts

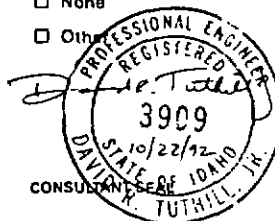
Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<i>irrigation</i>	<i>4/1</i>	<i>10/31</i>	<i>.66</i>	<i>148.5</i>
		Totals:	<i>.66</i>	<i>148.5</i>

2. Recommended Amendments

- ☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None
- ☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

J. AUTHENTICATION

Field Examiner's Name John K. Nofos
Signature John K. Nofos
5/1/92 Certification Date
4/20/92 Field Report Preparation Date



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

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

Permit No. 51-7064B

Phone No. _____

1. Owner: Craig & Sherry Christiansen
Current Address: Brunson, Idaho 83604

2. Accompanied by: Craig Christiansen EXAM. DATE: 11/9/84
Address: _____ Phone No. _____
Relationship to Permit Holder: applicant

3. Source: Groundwater tributary to

Well/Diversion* No.	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
18"	Westinghouse	50	773890	Jayne	780216

*Code with points of diversion, system diagram & photos on reverse side. Disregard if only one.

5. **System Description** (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

50 HP motor & pump water flows into a 6 PF fish pond & then into gravity ditches & also sprinkler irrigation.
100 HP motor at pump back station. Brown catfish.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
8" orifice						
anemometer				091839	13.126	3/26/82

7. Measurements ☐ Additional data/computation sheets attached

See attached sheet for orifice calculations. Dis. capacity 4.79 cfs.
 $33 \text{ acres} \times .02 = \underline{\underline{.66 \text{ cfs}}}$
 $33 \times 4.5 = \underline{\underline{148.5}}$

8. Point(s) of Diversion:	Indicate Method of Determination
---------------------------	----------------------------------

[illegible]

9.	Place(s) of Use:	Irrigation - give acres served by system at time of exam. Indicate Method of Determination
----	------------------	---

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
		5																	8
7 S	5 E	6																18	18
		8						7											7
Total Acres 33																			

10. Other water rights on these lands 51-2225 51-4017 thru 51-4022
11. Other water right diverted from same p.d. 51-7064A, 51-7102 A & B
12. **Diversion and Delivery System Diagram:** Indicate all major components and distances between components. Indicate ditch size/pipe i.d. as applicable. Indicate on systems with measurement port the distance between the port and the nearest component/pipe bend/restriction both upstream and downstream, and the inside pipe diameter at the measurement port. On multiple diversion systems indicate how diversion systems are connected.

See annexes measurement sheet for sketch of diversion system

13. ☐ Photo of Diversion & System Attached ☐ Aerial Photo of Place of Use Attached or Map of Irrigated Acreage Attached

14. Remarks See amendment

15. Recommended Amendments
- | | | |
|---|--|--|
| ☐ Change P.D. as reflected above | ☐ Add P.D. as reflected above | ☒ None |
| ☐ Change P.U. as reflected above | ☐ Add P.U. as reflected above | ☐ Other |

16. Examiner's/Consultant's Signature John K. Noyes Date 11/13/84

Consultant's License Number _____

IDWR Director's Authorization to Conduct Beneficial Use Examination _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

51-7064B
Permit No.

1. **Measurement Calculations**

a) Field Measurement Calculations (Include theoretical capacities and system capacity)

See orifice calculations - Diversion capacity 4.79 cfs
33 acres $\times 1.02 = .66 \text{ cfs}$ $4.5 \times 33 = 148.5 \text{ AFA}$

Theoretical

$60 \text{ HP} \times 8.8 \times .85 \approx 374$ 4.3 cfs
 $40' \text{ lift} + .43 \sqrt{20} (46.51) = 86.51$

b) Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 33 \times 4.5 = 148.5$
 $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .66 \times 245 \times 1.9835 = 320$
 $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 148.5$

c) Volume Calculations for Other Uses:

2. **Overlap Review**

a) Other water rights with same place of use: 51-2225, 51-4017 thru 4022

b) Other water rights with same point of diversion: 51-7064A, 51-7102A & B

c) Analysis:

[Handwritten mark]

RECOMMENDED AMOUNTS

3. Permit No.	Priority	Amount	App. Date	Date Proof Submitted	System Capacity
51-7064B		.66			4.79

4. Permit Holder: Craig & Sherry L. Christensen
 Address: Bruneau, Idaho. 83604

5. Source: Groundwater tributary to _____

6. Beneficial Use	Period of Use From	To	Rate of Diversion Q (cfs)	Annual Volume V (afa)
<u>Irrigation</u>	<u>4/1</u>	<u>10/31</u>	<u>.66</u>	<u>148.5</u>

Allowable Maximums: .66 148.5

7. Point(s) of Diversion:

No.	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County
			SW	NW	8	7S	5E	San Juan

8. Place(s) of Use

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
7S	5E	5																	8
		6																	18
		8																	7
Total Acres <u>33</u>																			

9. Recommended Conditions/Remarks: _____

10. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other _____

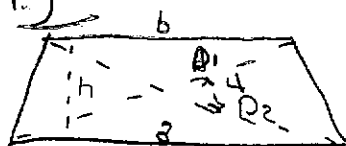
11. Examiner's Signature John K. Meyer Date 11/13/84
 Checked in Regional Office by DR Date 2/23/87
 Approved in State Office by _____ Date _____

MERLE BACHMAN (51-7064)

AREA TRAPZOID

$$= \frac{1}{2} (a + b) h$$

$$= \frac{1}{2} D_1 D_2 \sin \angle$$



Elia

$$A = ?$$

$$a = 240'$$

$$b = 84'$$

$$h = 319'$$

$$D_1 = 339'$$

$$D_2 = 381'$$

$$\angle = 127^\circ$$

$$\sin \angle = .79863551$$

$$A = \frac{1}{2} (240' + 84') 319'$$

$$= \frac{1}{2} (324') 319'$$

$$= \frac{324 \times 319}{2} = \frac{103,356}{2} = 51,678 / 43,560 = 1.186 \text{ Acres}$$

$$A = \frac{1}{2} \times 339 \times 381 \times .79863551$$

$$= \frac{1}{2} \times 129,159 \times .79863551$$

$$= \frac{103,150.96}{2} = 51,575.482 / 43,560 = 1.184 \text{ Acres}$$

$$\frac{1.186 \text{ Ac} + 1.184 \text{ Ac}}{2} = 1.185 \text{ Ac. APPROX. SURFACE AREA}$$

OF POND. POND HAS ESTIMATED 5'

AVERAGE DEPTH, CONTAINS APPROX. 1.185 \times 5 = 5.925 \text{ AC-FT.}

BBB
13.9

RSE

C34
21C

39

37

A
233

E
7.0

T
S

H
21.8

gr

62

C198
306C

57-7102

98

M
9.5

N
319

O
9.0

V
8.5

46

C103
25C

A
38

R
4.0

S
8.5

P.D.

A
81.2

Fish
Pond

A
7.5

C
55

D
47

E
44

F
27

G
32

H
18

I
29

J
17.4

K
9.5

7 | 8
18 | 17

IDWR SUPPLEMENTAL FIELD REPORT
FOR ANNUBAR MEASUREMENT

Measured by: JKN

Date: 4/26/83

Owner: MERLE BACHMAN

Permit #: 51-7064B

Artesian Flow

Description of well &/or measuring site (give distance to restrictions upstream and downstream): Drilled Well 18" casing to 310', Total Depth Approx 1393',
Flow Approx 2100 GPM w/ Pressure Approx 32 lb/in Per Driller. System Uses
Westinghouse Motor, 50 H.P. #773890615 & Layne Pump #T80216, For Pumping In
LATE SEASON AFTER JULY. Pump Not In Operation For This Measurement
MEASUREMENT FOR CHECK ON ARTESIAN FLOW ONLY
 Measured inside diameter of pipe in inches 13.126"

Size of Annubar used in test 13.25"

State ID# of Annubar used # 091839

Size Eagle Eye Meter used 0-10"

State ID# of Meter used # 091470

Date of Last Calibration of Meter 3/26/82

Observed inches of H2O read on Meter 2.5"

Adjusted inches of H2O from Last Calibration 2.283"

ADJUSTED INCHES = OBS. INCHES X FLOW CORR. FACTOR
 OBS. = 2.5"
 F.C.F. = $.897 + \left(\frac{.929 - .897}{2} \right) = .897 + .016 = .913$
 $.913 \times 2.5" = 2.2825$

CALCULATION: $(3.85) \times (A)^2 \times \sqrt{B} = 2.233$ cfs measured

$A^2 = 13.126^2 = 172.292$
 $\sqrt{B} = \sqrt{2.283} = 1.511$

$\frac{448.8}{3.85 \times 172.292 \times 1.511} = 2.233$
 448.8

Where A and B are measured in inches
 and 3.85 is a constant for the model
 75 Annubar

SKETCH:

