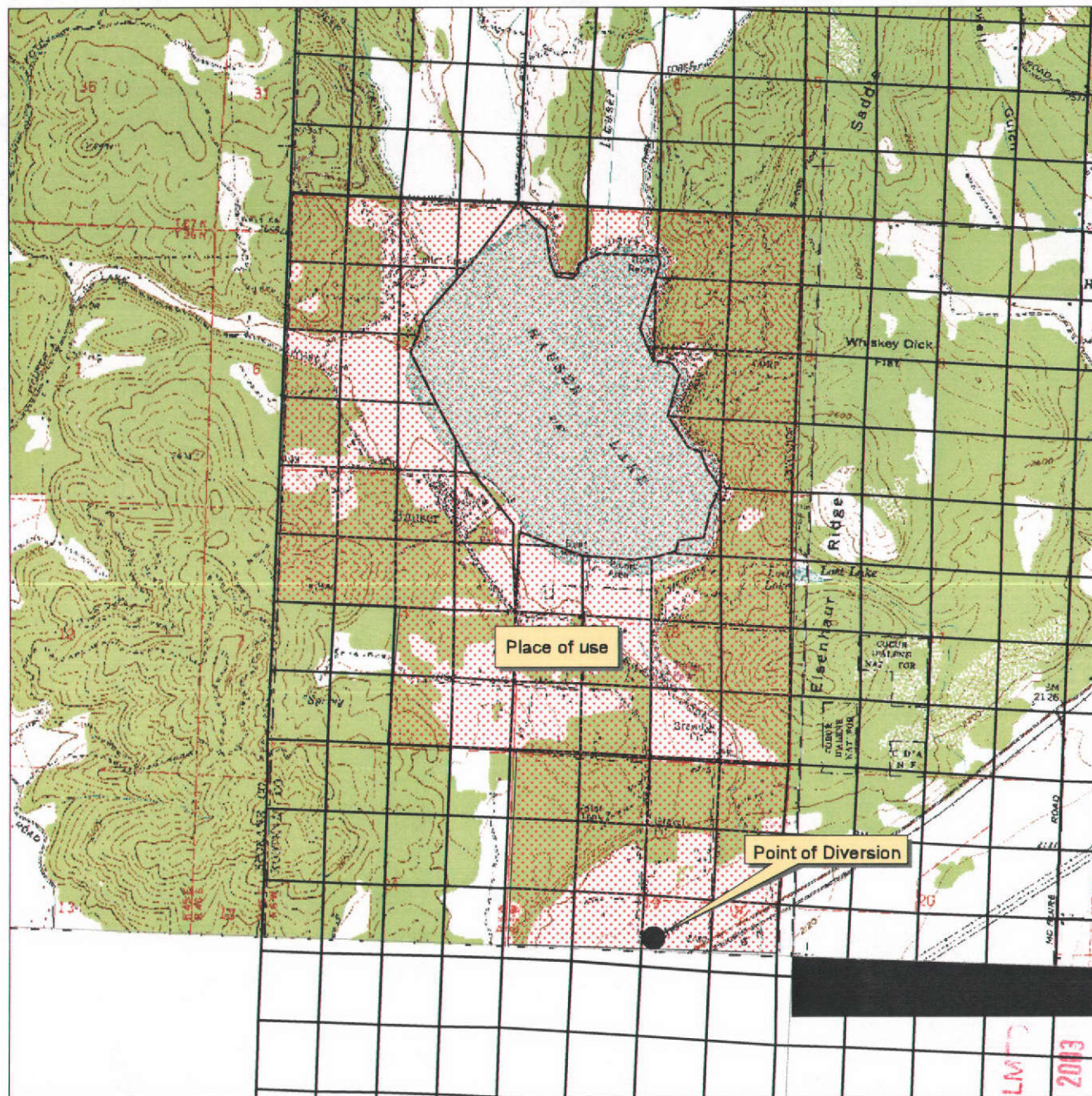
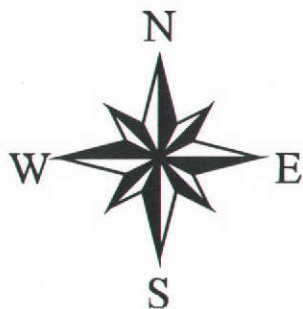


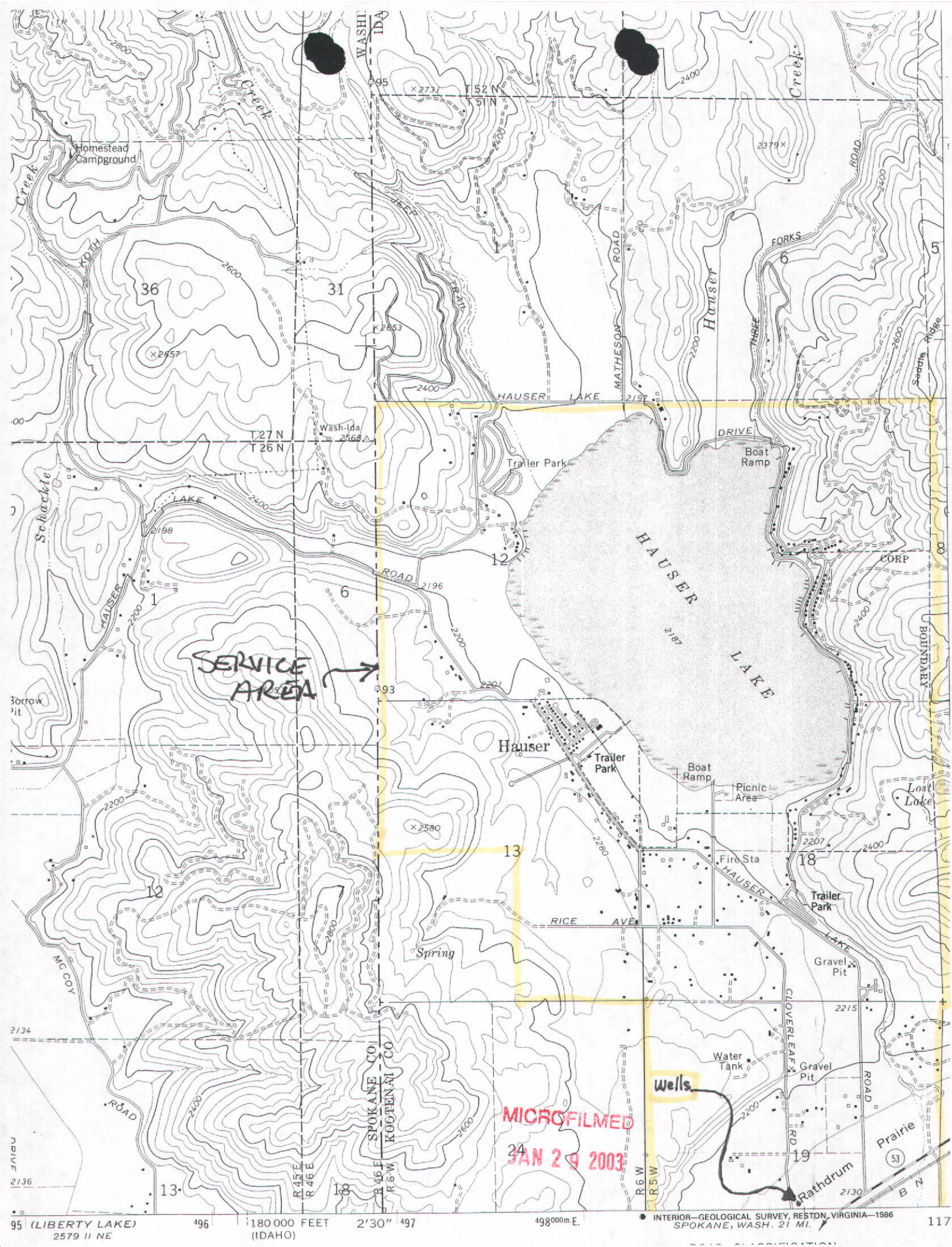
-  Qq51n06w.shp
-  Quad IndexQuadcov.shp
-  Qq51n05w.shp



T.51N.,R5W. & R6W.

MICROFILM

JAN 29 2013



SERVICE AREA →

MICROFILMED
JAN 29 2003

Wells

LOG OF WELL NO. 1

HAUSER LAKE WATER ASSOCIATION

CONTRACTOR - HOLMAN DRILLING CORPORATION

DEPTH	REMARKS	DATE	FORMATION
00	Cement Grout	6-12-67	Gravel
20		6-13-67	Cemented Gravel
40		6-14-67	Loose Gravel
60			Gravel 1" Minus
80			Cemented Gravel
100		6-15-67	Gravel 0"-5"
120			Gravel 4" Minus
			Gravel 2" Minus
			Gravel 3" Minus
140		6-16-67	Gravel 3/8" Minus
160			Gravel 1" Minus
180		6-19-67	Gravel 3/4" Minus
200			Gravel 1/2" Minus
			Clay and Gravel
			Gravel 3/4" Minus
			Gravel 1/2" Minus
			Gravel 1/4" Minus
			Gravel 1/8" Minus
220	Set Well Screen on 6-26-67, Bottom at 210' Developed Well on 6-26-67 and 6-27-67 Johnson Stainless Steel Well Screen 12" Diameter 20' Length and 50-50 Sieve Openings		



INFORMATION TAKEN FROM
DRILLER'S DAILY REPORTS.

COMPILED BY *Clarence E. Simpson*
DATE 12-4-67 CLARENCE E. SIMPSON
CIVIL ENGINEER

MICROFILMED
JAN 20 2003

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

1. OWNER
Name HAUSER LAKE WATER ASSOC.
Address RT 1, BOX 237 POST FALLS ID
Owner's Permit No.

7. WATER LEVEL

Static water level 164 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow

Temperature 48° F. Quality Good

Artesian closed-in pressure p.s.i.

Controlled by ☐ Valve ☒ SkCap ☐ Plug

2. NATURE OF WORK

☐ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
NO TEST MADE		

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test

☒ Municipal ☐ Industrial ☐ Stock

8. LITHOLOGIC LOG					
Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
20	0	20	SAND + GRAVEL		X
16	20	33	SAND + GRAVEL		X
16	33	137	SAND + GRAVEL 2" MINUS		X
16	139	140	SAND + GRAVEL 2" MINUS		X
16	140	164	GRAVEL $\frac{1}{2}$ " MINUS + CLAY		X
16	164	189	GRAVEL $\frac{1}{2}$ " MINUS + CLAY	X	
16	189	211	SAND + GRAVEL $\frac{1}{2}$ " MINUS	X	
16	211	212	CLAY		X

5. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 16 inches Total depth 211 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>3/8</u> inches	<u>16</u> inches	<u>0</u> feet	<u>191</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was a packer or seal used? ☒ Yes ☐ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

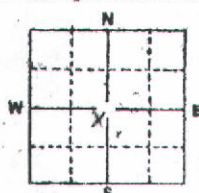
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☒ Yes ☐ No
 Manufacturer's name U.O.P. JOHN SONS
 Type STAINLESS Model No. STANDARD
 Diameter 16 Slot size 1000 Set from 191 feet to 206 feet
 Diameter 16 Slot size 500 Set from 206 feet to 211 feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____
Packed from _____ feet to _____ feet
Surface seal? ☒ Yes ☐ No To what depth 20 feet
Material used in seal ☒ Cement grout ☐ Puddling clay

each map location must agree with written location.



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JAN 29 2003

5 x SW 1/4 Sec. 11, T. 5, R. 5 E.W.
 (30)

10. Work started Nov. 26 '74 finished DEC. 24-74

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

HOLMAN DRILLING CORP. 108
Driller's or Firm's Name Number
B-3410 14 A-2 SPOKANE ID.
Address
Signed By [Signature] JAN-20-75
Date

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 95-09111

Priority: 02/07/2002

Maximum Diversion Rate: 2.25 CFS

This is to certify, that HAUSER LAKE WATER ASSN
E 7710 HAUSER LAKE RD
POST FALLS ID 83854

has applied for a permit to appropriate water from:

Source: GROUND WATER

and a permit is APPROVED for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
MUNICIPAL	01/01 to 12/31	2.25 CFS

LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER	NW¼SE¼	Sec. 19, Twp 51N, Rge 05W, B.M. KOOTENAI County
GROUND WATER	NW¼SE¼	Sec. 19, Twp 51N, Rge 05W, B.M. KOOTENAI County
GROUND WATER	NW¼SE¼	Sec. 19, Twp 51N, Rge 05W, B.M. KOOTENAI County

CONDITIONS OF APPROVAL

1. Proof of application of water to beneficial use shall be submitted on or before July 1, 2007.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.
4. The issuance of this right does not grant any right-of-way or easement across the land of another.
5. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
6. After specific notification by the Department, the right holder shall install a suitable measuring device or shall enter into an agreement with the Department to determine the amount of water diverted from power records and shall annually report the information to the Department.
7. Place of use is located within the area served by the public water supply system of Hauser Lake Water Assn. Place of use is generally located within T51N, R5W, Sections 7, 18 and 19, and T51N, R6W, Sections 12 and 13.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the signature of the Director, affixed at Boise, this 10th day of July, 2002


for KARL J DREHER, Director

MICROFILMED

JAN 29 2003

RECEIVED

MAY - 6 2002

Department of Water Resources

Ident. No. 95-9111

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

RECEIVED
SEP 14 2001
IDWR/North

1. Name of Applicant Hauser Lake Water Association Phone 208-773-5195
Mailing address E. 7710 Hauser Lake Rd., Post Falls, ID 83854
2. Source of water supply Hauser Lake GROUNDWATER which is a tributary of _____
3. Location of point of diversion is Township 51 N Range 5 W Sec. 19 in the NW $\frac{1}{4}$,
SE $\frac{1}{4}$, Govt. Lot _____, B.M., Kootenai County;
additional points of diversion if any: none
4. Water will be used for the following purposes:
Amount 2.35 cfs for MUNICIPAL purposes from year-round 12/31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) 2.35 and/or (b) 410
cubic feet per second acre feet per annum
6. Proposed diverting works:
 - a. Describe type and size of devices used to divert water from the source 3 wells, 208 deep, 12" diameter
and the other is 211', 16" diameter
 - b. Height of storage dam N/A feet; active reservoir capacity _____ acre-feet; total
reservoir capacity _____ acre-feet
 - c. Proposed well diameter is existing wells inches; proposed depth of well is existing wells feet
 - d. Is ground water with a temperature of greater than 85°F being sought? No
 - e. If well is already drilled, when? 1967/1974 Drilling firm Holman Drilling
Well was drilled for (well owner) Hauser Lake Water Association; Drilling Permit No. _____
7. Time required for completion of works and application of water to proposed beneficial use is 20.5 years (minimum 1 year)
8. Description of proposed uses (if irrigation only, go to item 9):
 - a. Hydropower; show total feet of head and proposed capacity in kW. N/A
 - b. Stockwatering; list number and kind of livestock. N/A
 - c. Municipal; show name of municipality. Hauser Lake Water Association
 - d. Domestic; show number of households. Existing: approx. 450; Future: approx. 750
 - e. Other; describe fully. _____

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JAN 23 2003

9. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
51N	5W	7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
51N	6W	12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
51N	6W	13	X	X	X	X	X	X	X	X					X	X	X	X	
51N	5W	18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
51N	5W	19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

X = commercial / domestic

Total number of acres to be irrigated _____

10. Describe any other water rights used for the same purposes as described above. Existing water rights are 95-7463, 33090/95-2189 and 95-08535.

11. a. Who owns the property at the point of diversion? Hauser Lake Water Association

b. Who owns the land to be irrigated or place of use? Hauser Lake Water Association

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: _____

12. Remarks: (1) Refer to attached cover letter for additional information.

13. MAP OF PROPOSED PROJECT REQUIRED - Attach an 8½"x11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.)

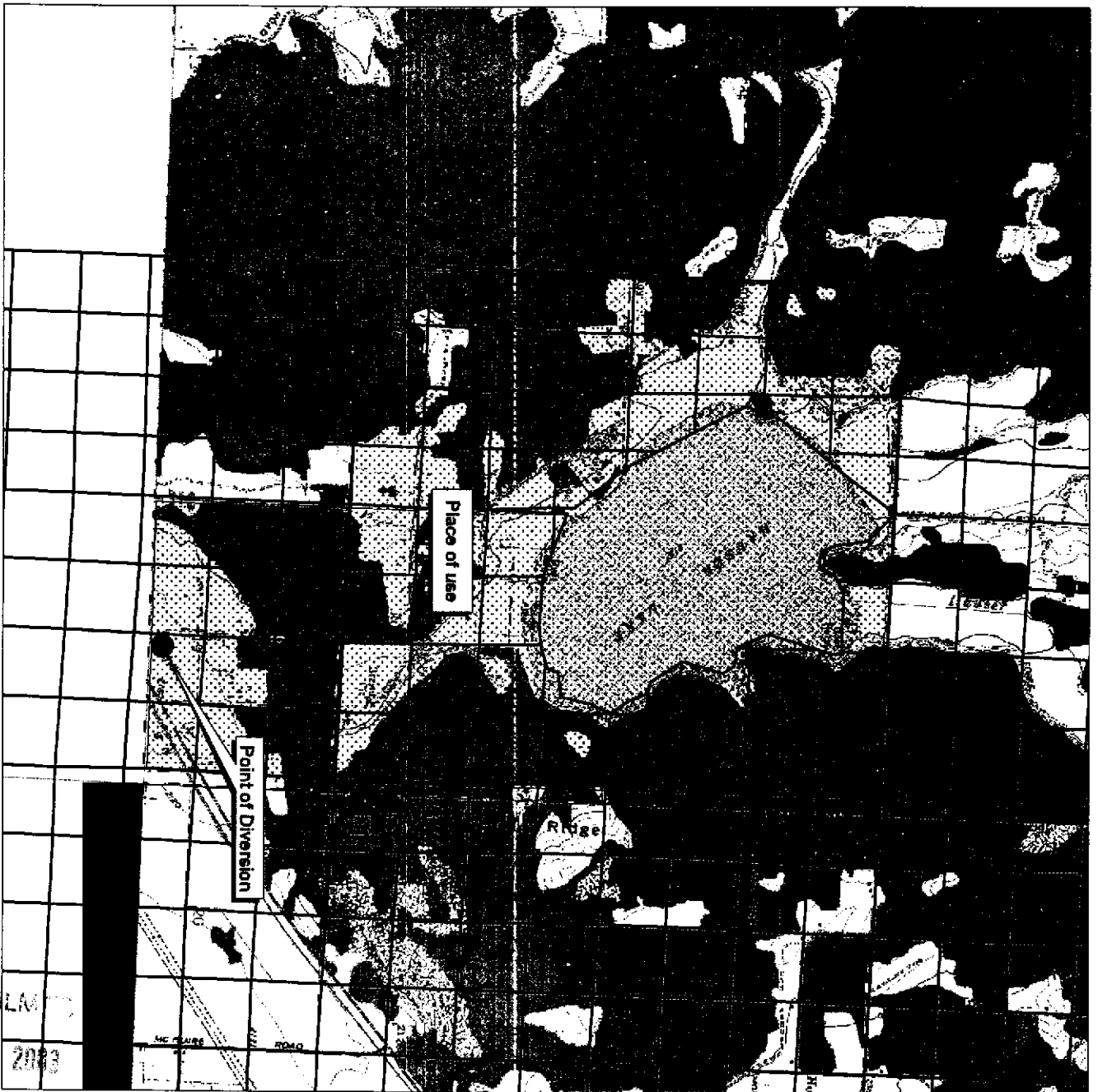
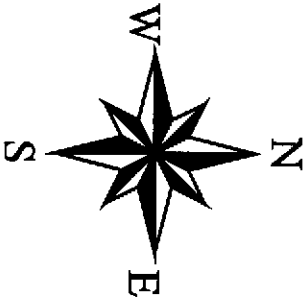
BE IT KNOWN that the undersigned hereby makes this application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Lloyd Chapman Pres.
Signature of Applicant (and title, if applicable)

Received by cb Date 9/14/01 Time 1:40 P Preliminary check by cb
 Fee \$ 290.00 / 440.00 Received by cb # ND14650/ND14837 Date 9/14/01 2/7/02
 Publication prepared by cb Date 2/13/02 Published in CDR Area 2/21+28/02
 Publication approved cb Date 3/1/02 MICROFILMED

JAN 29 2003

- ☐ Qq51n06w.shp
- ☐ Quad IndexQuadcov.shp
- ☐ Qq51n05w.shp



T.51N.,R5W. & R6W.

MICROFILM
JAN 29 2003



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098
Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: www.idwr.state.id.us

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

July 11, 2002

HAUSER LAKE WATER ASSN
E 7710 HAUSER LAKE RD
POST FALLS ID 83854

RE: Permit No. 95-9111

Permit Approval Notice

Dear Permit Holder:

The Department of Water Resources has issued the enclosed permit authorizing you to establish a new water right. Please be sure to thoroughly review the conditions of approval and remarks listed on your permit.

The permit is a PRELIMINARY ORDER issued by the Department pursuant to Section 67-5243, Idaho Code. It can and will become a final order without further action by the Department unless a party petitions for reconsideration or files an exception and/or brief within fourteen (14) days of the service date as described in the enclosed information sheet.

As a permit owner you must commence the excavation or construction of the diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The date shown under condition no. 1 is the date when the project must be completed.

The Department will send you a 'Proof Due Notice' approximately 60 days prior to the above referenced date requesting you to file either a Proof of Beneficial Use form or a Request for Extension of Time form.

The right to drill a well is not a part of this permit to appropriate water. Beginning in July of 1987, a statute was enacted which requires a drilling permit for new well construction and deepening of existing wells. If the well(s) proposed for use under this water right permit were drilled or deepened after July 1, 1987, a separate drilling permit must be obtained from this Department. Please contact the Ground Water Protection Section located here at this office or our regional office nearest you.

MICROFILMED

JUN 29 2003

Also, please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Failure to report these changes could result in a \$100 late filing fee. Contact any office of the Department or visit the Department's homepage on the Internet to obtain the proper forms and instructions.

If you have any questions, please contact me at 208-327-7946.

Sincerely,

Sharla Curtis

for Shelley W. Keen
Water Rights Supervisor

SWK:klt

Enclosure(s)

MICROFILMED

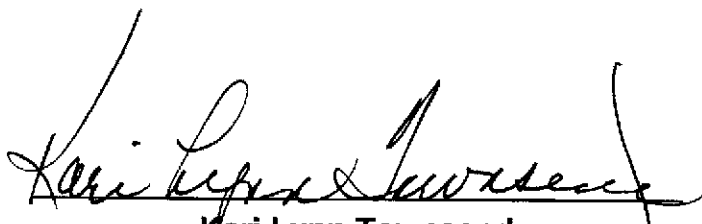
JAN 29 2003

CERTIFICATE OF SERVICE

I hereby certify that on July 11, 2002 I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER(Approved Permit) to the person(s) listed below:

RE: WATER RIGHT NO. 95-9111

**HAUSER LAKE WATER ASSN
E 7710 HAUSER LAKE RD
POST FALLS ID 83854**



**Kari Lynn Townsend
Secretary**

MICROFILMED

JAN 29 2003

**EXPLANATORY INFORMATION
TO ACCOMPANY A
PRELIMINARY ORDER**

The accompanying order or approved document is a "Preliminary Order" issued by the department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action of the Department of Water Resources (department) unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the department or the Idaho Water Resource Board (Board) is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its issuance if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) the petition for reconsideration is disposed of; or
- (b) the petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

RECEIVED

MAY - 8 2002

Department of Water Resources

APPLICATION FOR PERMIT
STATE OFFICE ANALYSISReviewed by Cindy Zimmerman on 4/25/02No. 95-9111 Name: Hauser Lake Water Asst Corp. Officers / Ad ok ✓ Govt Lots ✓AREA OF CONCERN: (No) Yes Moratorium GWMA TRUST/NON-TRUST

✓ GROUNDWATER: (✓Flow Chart)

✓ DRILLING PERMIT

✓ All wells

- 046(P23)

Irr. w/in WD

- P05

WMD

- North/East/West

≤ 0.24 cfs/5 acres

- No MD

> 0.24 cfs/5 acres

- 067

✓ WMD

Supp irr (irr = only use)

- 065-104

Supp irr (+ other uses)

- 100-105

≤ 0.24 cfs/5 acres

- No MD

✓ > 0.24 cfs/5 acres

- 01M

LOCATION:

Boise Front LoGeo

- 058 (<85 GW)

Mitigation

- 121

42-248 Area

- P84 (20s-70s, 81-86)

Swan Falls Flag

-

Trust

- 051(P74) (consumptive uses)

Non-Trust

- 048-049 (consumptive uses or non-cons. > 1.0 cfs)

SURFACE WATER: (✓Flow Chart)

F&G contacted

- Yes/No Response

In/Above MSF

- WB9

PLANNING REVIEW/RESPONSE

In-stream development

- P52

WD

- R04 (WD#)

≤ 0.20 cfs/others

- 01H(P01), 01P or No MD

> 0.20 cfs

- 01J(P08)

SPRINGS/SINK, INACTIVE WD & REST OF STATE

≤ 0.24 cfs/5 acres

- No MD

> 0.24 cfs/5 acres

- 01M or No MD

RIVER BASINS: (SW special considerations)

Snake R (01)

- W22(P04), N/A

(02,03)

- 007 (w/ remark WB9 if above Weiser)

Payette R (65)

- 047(P04) (Payette Lake)

Salmon R (70's)

- 029 (fish screens)

Weiser R (67)

- 086-087

✓ USES:

STORAGE

- 18A-01H(P01), 01P-18B(P09)-NA

IRR ≤ 5 ac

- R66/R67/R68/R69 (0.03 cfs/ac)

> 5 ac

- R62/R63/R64/R65 (0.02 cfs/ac)

STOCKWATER

- R37 (BLM/USFS)

MINING

- 054-081(P10)

FISH PROP

- 029(70's only)-007-042-081(P10)

Bridge)

HEAT/COOL

- R07(injection well)

FIRE PROT.

- 077

✓ USES:

POWER

- 17H-17K (+uses)-08A-025(P18)-01N-081(P10)

✓ MUNICIPAL

NA

Restricted area

- 022,075

Irr., GW supp to SW

- 102

DOMESTIC

Surface water

- WB5 (Big Wood or Boise above Star

27A (Payette R)

>1 in restricted area

- 070-071-075(no parks/common areas, etc)

Irr use listed separate

- WB5

Moratorium approvable

- W03 (2500 gpd - meets domestic definition
i.e. D/convenience store)BENEFICIAL USE DUE: 05/01/2007

✓ MISC CONDITIONS/REMARKS:

Protested

- 020-W19

✓ Development Period

≤ 1 yr

- P16

✓ 1 yr

- 26A(P17)

✓ Ownership

- 004

Non-consumptive

- 027

Water Quality

- 081-R07

✓ Multiple pd's per 1/4

- W32/3

Subd lot desc (pd)

- W59

Subd lot desc (pu)

- W60

Use definitions

- W02 example - S/50 range

Pre-1987 development

- 068-074 (allow 120 days for proof due)

Single p/d intended

- 076

IRRIGATION SEASON - (Per updated map)OTHER CONDITIONS/REMARKS
COMMENTS26A; 046; 004 01M W 32/3 in NWSE, S19, T5N, R5W; W160 - w/in sewage
area.All confirmed DEQ has PWS
for this entry PWS # needed
asked AT B 5/24

IDAHO DEPARTMENT OF WATER RESOURCES
APPROPRIATION APPLICATION ANALYSIS SHEET

W.R. # 95-9111

APPLICATION ID # 69685
INITIAL REVIEW

ENT 2/8 BCA 2/8 OK to Publish 2/8

APPLICANT: HAUSER LAKE WATER ASSN. BY: AB DATE: 2/7/02

ITEM REQUIRED INFORMATION

1. ☒ Name and Address
2. ☒ Source
3. ☒ Point of Diversion & County
4. ☒ Quantity
- ☒ Nature of Proposed Use
- ☒ Period of Use
5. ☒ Total Quantity
6. ☒ Description of diverting works
7. ☒ Time required for b/u
8. ☒ Proposed use
9. ☒ Place of use or acres irrigated
10. ☒ Other water Rights
11. ☒ Ownership
12. ☒ Map
- ☒ Signature
- ☒ Fee (Amt, receipt, acknowledgement)

*** Send info sheet Y () N ()

ADDITIONAL INFORMATION

(Yes)(No)

☐ Shape File Created Date _____ By: _____
☐ Field check: by _____
☐ Field report attached
☐ Analysis Supp. attached(>5cfs/500af)
☐ Water delivered by water master? Water District # _____

PROCESSING

(Yes)(No)

PRIORITY DATE: 2/7/02

☒

(Include Moratorium Remark)

☒

Statewide Advertising: (Diversion rate greater than 10 cfs or 1,000 af).

ADVERTISE IN:

KOOTENAI Count

LETTERS SENT REQUESTING:

() Dam Information

() Fish Information

() Power Information

() Other: N/A

INFORMATION RECEIVED:

() Dam Information

() Fish Information

() Power Information

() Other: N/A

GROUNDWATER SECTION

WD Permit No.'s:

Tag # Type:

Fees

Receipt No.

Upgrade Needed?

_____	Dom. _____ Non-Dom. _____	Paid \$ _____	_____	Y () N ()
_____	Dom. _____ Non-Dom. _____	Paid \$ _____	_____	Y () N ()
_____	Dom. _____ Non-Dom. _____	Paid \$ _____	_____	Y () N ()

- ☐ Groundwater management area
☐ Critical ground water area
☐ Well Drilling Permit required
☐ Well Drilling Application and Fees received
☐ Well Drilling Application approved?

Remarks: _____

FINAL REGIONAL PROCESSING/REVIEW

(Yes)(No)

- ☐ Notice of pending void order issued. Final order response date: _____/_____/_____
☐ Further information required from applicant
3/1 ☐ Affidavit of publication received
3/1 ☐ Application published correctly. If not, record action taken: _____
2/12 ☐ Publication dates and paper recorded on application
☐ Protests received, Final protest date: 3/11/02
☐ Measuring device required
☐ Measuring port required
☐ Special conditions: _____
☐ Special conditions of approval supplement and/or cover letter attached: _____

Sr. Agent initial _____

Approval Recommended by: _____

Date: _____/_____/_____

RECEIVED

MAR 01 2002

AFFIDAVIT OF PUBLICATION

IDWR/Notary

STATE OF IDAHO,
County of Kootenai,

} ss.

Misti Saylor

being first duly sworn

upon oath deposes and says:

1. I am now and at all times hereinafter mentioned was a citizen of the United States, resident of the State of Idaho, over the age of twenty-one years and not a party of the above entitled action.

2. I am now and at all times hereinafter mentioned was the printer (principal clerk) of the "Coeur d'Alene Press," a newspaper printed and published daily except Sunday in Coeur d'Alene, Kootenai County, Idaho, and having a general circulation in said county.

3. The

legal notice

of which the annexed is a printed copy, was published in the regular *Thursday* issue of said newspaper for *2* consecutive *weeks* commencing on the *24* day of *February* 20 *02*, and ending on the *26* day of *February* 20 *02* and such publication was made as often during said period as said *Daily* newspaper was regularly issued.

4. That said newspaper has been continuously and uninterruptedly published in said Kootenai County, during a period of more than seventy-eight consecutive weeks immediately prior to the first publication of said notice

Misti Saylor

Personally appeared before me this

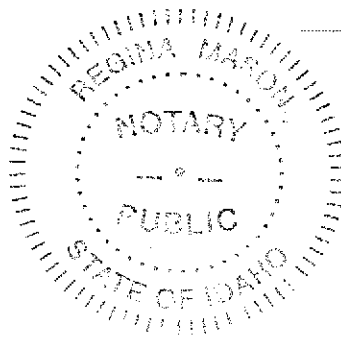
28

day of

*February*20 *02**Regina Mason*

Notary Public for the State of Idaho,
residing at Coeur d'Alene, Idaho.

MY COMMISSION EXPIRES 5/18/03



NOTICE OF APPLICATION FOR WATER RIGHT

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

95-9110

J J FANNING III
7875 E BURLEY CT
HAYDEN ID 83835

J BISSET
3500 S CAMANO DR
CAMANO ISLAND WA 98292

Point(s) of Diversion: L2 SENE S15 T51N R03W KOOTENAI County
Source HAYDEN LAKE Tributary To SINKS
Use: DOMESTIC 01/01 To 12/31 0.04 CFS
Total Diversion 0.04 CFS

Date Filed: 09/27/2001

Place Of Use: DOMESTIC

T51N R03W S15 SENE Lot 2

95-9111

HAUSER LAKE WATER ASSN INC
E 7710 HAUSER LAKE RD
POST FALLS ID 83854

Point(s) of Diversion: NWSE S19 T51N R05W KOOTENAI County
Source GROUND WATER
Use: MUNICIPAL 01/01 To 12/31 2.25 CFS
Total Diversion 2.25 CFS

Date Filed: 02/07/2002

Remark: Municipal use is for applicants service area

Permits will be subject to all prior water rights. Protests must be submitted based on the criteria of Sec. 42.203A, Idaho Code.
Any protest against the approval of this application must be filed with the Director, Dept. of Water Resource, Northern Region, 1910 Northwest Blvd., Suite 210, Coeur d'Alene, ID 83814 together with a protest fee of \$25.00 for each application on or before 03/11/2002. The protestant must also send a copy of the protest to the applicant.

Legal 0502
Feb. 21, 28, 2002

KARL J. DREHER, Director

MICROFILMED

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7875 E BURLEY CT
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3500 S CAMANO DR
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Total Diversion: 0.04 CFS

Date Filed: 09/27/2001

Place Of Use: DOMESTIC

T51N R03W S15 SENE Lot 2

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E 7710 HAUSER LAKE RD
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KARL J DREHER, Director

Published on 2/21 and 28/2002.

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JAN 29 2003



State of Idaho

DEPARTMENT OF WATER RESOURCES

NORTHERN REGION, Suite No. 210 • 1910 Northwest Blvd. • Coeur d'Alene, Idaho 83814-2615

(208) 769-1450

Fax (208) 769-1454

February 13, 2002

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

Legal Notice Department

Coeur D Alene Press

201 N 2nd

COEUR D ALENE ID 83814

Faxed 2/13/02
2 pages

RE: Application for Permit No. 95-9110 AND 95-9111

Dear LEGAL NOTICE DEPARTMENT:

Enclosed you will find a legal notice which we wish to have published in your newspaper on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 03/11/2002. Your cooperation is appreciated.

Sincerely,

Dianne

Dianne Ball
Administrative Assistant

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JAN 29 2003



State of Idaho
DEPARTMENT OF WATER RESOURCES

NORTHERN REGION, Suite No. 210 • 1910 Northwest Blvd. • Coeur d'Alene, Idaho 83814-2615
(208) 769-1450

Fax (208) 769-1454

February 13, 2002

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

HAUSER LAKE WATER ASSN INC
E 7710 HAUSER LAKE RD
POST FALLS ID 83854

RE: Application for Permit No 95-9111

Dear Applicant(s):

The Department of Water Resources acknowledges receipt of your water right application. Please refer to the above referenced number in all future correspondence regarding this application.

A legal notice of the application has been prepared and is scheduled for publication in the Coeur d'Alene Press on February 21 and 28, 2002. Submittal of protests to this application will be allowed for a period ending ten days after the second publication.

If the application is protested you will be sent a copy of the protest(s). All protests must be resolved before the application can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the application is not protested, it will be forwarded to our State Office in Boise for final processing. The State Office will notify you of any action taken on the application and will send you a copy of the permit if approved. A typical processing time for an unprotested application is about eight to twelve weeks.

Please feel free to contact this office if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Allen Beardslee".

Allen Beardslee
Senior Water Resource Agent

Enclosure(s) - Receipts No. N014650 and N014837

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JAN 29 2003



State of Idaho

DEPARTMENT OF WATER RESOURCES

NORTHERN REGION, Suite No. 210 • 1910 Northwest Blvd. • Coeur d'Alene, Idaho 83814-2615

(208) 769-1450

Fax (208) 769-1454

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

February 5, 2002

Hauser Lake Water Association
E.7710 Hauser Lake Rd
Post Falls ID 83854

RE: Fee for Application for Permit

Dear Hauser Lake Water Association:

We are writing to request an additional \$40.00 to cover the filing fee for your Application for Permit.

We have been in contact with your Consulting Engineer, Dan Buller, of Varela & Associates, Inc., regarding the diversion rate for which you are filing. Originally, the Application was filed for 4.9 cfs. However, you already have three existing water rights with a total combined diversion rate of 2.65 cfs. Mr. Buller agreed that a diversion rate of 2.25 cfs should be filed for on your new Application for Permit.

The filing fee for 2.25 cfs is \$330.00. Originally, we received \$290.00 with your filing.

We will be happy to process your filing when the partial fee is submitted to this office.

Thank you,

A handwritten signature in black ink, appearing to be 'Al Beardslee'.

Al Beardslee
Sr. Water Resource Agent

MICROFILMED

JAN 25 2003

Hauser Lake Water Association, Inc.

East 7710 Hauser Lake Road • Post Falls, Idaho 83854
Telephone (208) 773-7760

September 12, 2001

Idaho Department of Water Resources
1910 Northwest Blvd. Suite 210
Coeur d'Alene, ID 83814

RECEIVED
SEP 14 2001
IDWR/North

Dear Department of Water Resources,

The purpose of this cover letter is to explain several items in the attached Application for Permit. If you still have questions please call Frank Spuler, (208) 773-4996 or our engineer, Dan Buller, who provided the technical information for this application at (509) 328-6066.

- Most of the information in this application was derived from our 1995 preliminary engineering report, the most recent water system study available.
- The Association has three existing water rights: 95-7463, 33090/95-2189 and 95-08535.
- Our existing annual usage is approximately 282 ac-ft/yr.
- Our present pumping capacity is approximately 1100 gpm (2.45 cfs).
- Our preliminary engineering report projected that demand would increase by approximately 80% over 20 years. Using the existing per capita use rates, we are requesting an 80% increase in our annual right to 510 ac-ft per year. We also plan to increase our wells pumping capacity to the projected approximate peak hour demand of 2200 gpm.
- The amount given in #4 (4.9 cfs) and #5 (510 ac-ft/yr) is the total amount we believe we need of which we have rights for 2.65 cfs. Instantaneous and 353.2 ac-ft/yr.
- Holman Drilling drilled both wells. We have attached the well logs available to us.
- Water use is commercial and residential (domestic).

Thank you for your consideration. If you have any further questions or areas of concern please feel free to contact either myself, Frank Spuler, or Dan Buller at any time.

Sincerely,



Lloyd Clapper
President
Board of Directors

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JAN 29 2003

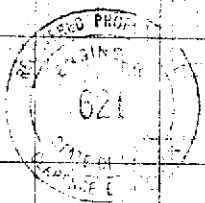
LOG OF WELL NO. 1

HAUSER LAKE WATER ASSOCIATION

CONTRACTOR - HOLMAN DRILLING CORPORATION

DEPTH	REMARKS	DATE	FORMATION
00	Cement Grout	6-12-67	Gravel
20		6-13-67	Cemented Gravel
40		6-14-67	Loose Gravel
60			Gravel 1" Minus
80			Cemented Gravel
100		6-15-67	Gravel 0"-5"
120			Gravel 4" Minus
			Gravel 2" Minus
			Gravel 3" Minus
			Gravel 3/8" Minus
140	Static Water Level	6-16-67	Gravel 1" Minus
160			Gravel 3/4" Minus
180		6-19-67	Gravel 1/2" Minus
			Clay and Gravel
200			Gravel 3/4" Minus
			Gravel 1/2" Minus
			Gravel 1/4" Minus
220			Gravel 1/8" Minus

Set Well Screen on 6-26-67, Bottom at 210'
 Developed Well on 6-26-67 and 6-27-67
 Johnson Stainless Steel Well Screen 12" Diameter
 20' Length and 50-50 Sieve Openings



INFORMATION TAKEN FROM
 DRILLER'S DAILY REPORTS.
 COMPILED BY *Clarence E. Simpson*
 DATE 12-4-67 CLARENCE E. SIMPSON
 CIVIL ENGINEER

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer
within 30 days after completion or abandonment of the well.

1. OWNER

Name HAUSER LAKE WATER ASSOC.Address Box 1, Box 237 Post Falls ID

Owner's Permit No. _____

7. WATER LEVEL

Static water level 164 feet below land surfaceFlowing? ☐ Yes ☒ No G.P.M. flow _____Temperature 48° F. Quality Good

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☒ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA

☐ Pump ☐ Bailor ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
<u>No Test Made</u>		

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test☒ Municipal ☐ Industrial ☐ Stock

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
20	0	30	SAND + GRAVEL		X
16	30	33	SAND + GRAVEL		X
16	33	137	SAND + GRAVEL 2" MINUS		X
16	137	140	SAND + GRAVEL 2" MINUS		X
16	140	164	GRAVEL 5" MINUS + CLAY		X
16	164	187	GRAVEL 5" MINUS + CLAY		X
16	187	211	SAND + GRAVEL 5" MINUS		X
16	211	212	CLAY		X

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 16 inches Total depth 211 feetCasing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>3/8</u> inches	<u>16</u> inches	<u>1</u> foot	<u>191</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was a packer or seal used? ☒ Yes ☐ NoPerforated? ☐ Yes ☒ NoHow perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

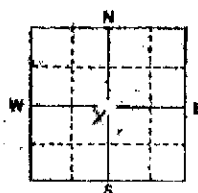
Well screen installed? ☒ Yes ☐ NoManufacturer's name W.O.P. JOHNSONType STAINLESS Model No. STANDARDO' meter 16 slot size 100 Set from 191 feet to 206 feetI' meter 16 slot size 30 Set from 206 feet to 211 feetGravel pack? ☐ Yes ☒ No Size of gravel _____

Pack from _____ feet to _____ feet

Surface seal? ☒ Yes ☐ No To what depth 20 feetMaterial used in seal ☒ Cement grout ☐ Pudding clay

6. LOCATION OF WELL

Each map location must agree with written location.

ONLY NorthSW 1/4 Sec. 11 T. 5 N. S. 5 E. W.32

10.

Work started Nov. 26/74 finished DEC. 24-74

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

Driller's or Firm's Name HOUMAN DRILLING SERVICE Number 108Address 63410 1st Ave SPOKANESigned By James J. Homan Date JAN. 20-75



VARELA & ASSOCIATES, INC. ENGINEERING AND MANAGEMENT
801 W. MALLON AVE., SUITE A • SPOKANE, WA 99201 • 509 328-6066 • FAX 509 328-1388

MEMO

TO: Al Beardslee, IDWR
FROM: Dan Buller
RE: Hauser Lake
DATE: 10-10-01

PWS #: ID1280084

Board of Directors: Lloyd Clapper
Dave Nall
Tracy Bockstroek
Wes Michael
Frank Spuler

Population projections from 1995 preliminary engineering report: enclosed

Please call if you have more questions.

MICROFILMED

JAN 29 2003

PLANNING • DESIGN • MANAGEMENT • INSPECTION

HAUSER LAKE WATER ASSOCIATION WATER SYSTEM ANALYSIS

DRAFT
(NOT FINALIZED)

Varela & Associates, Inc.
Spokane, Washington

July 1995

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JAN 29 2003



**Table III-2
Estimated Existing Water Use**

Demand Description⁽¹⁾	Quantity
1994 Total	91.7 MG
Daily Average	251,000 gpd = 174 gpm
Daily Average/Dwelling Unit ⁽²⁾	564 gpd = 0.39 gpm
Maximum Month ⁽³⁾	682,000 gpd = 473 gpm
Daily Average in Max. Month/Dwelling Unit	1533 gpd = 1.06 gpm
Maximum Day ⁽⁴⁾	1,139,000 gpd = 790 gpm
Maximum Day/Dwelling Unit	2560 gpd = 1.78 gpm
Peak Hour ⁽⁵⁾	1185 gpm
Peak Hour/Dwelling Unit ⁽⁵⁾	2.66 gpm

⁽¹⁾ As approximated by well pumping records

⁽²⁾ From field survey, approximately 445 dwelling units

⁽³⁾ July 1994 from pumping records

⁽⁴⁾ Estimated based on actual values from other similar communities; estimated as 1.67*daily ave in max. month, compares well with reports that on max day, both pumps were on approximately 20 hours - 20 hours x 1000 gpm = 833 gpm

⁽⁵⁾ Estimated based on actual values from other similar communities; estimated as 1.5*max. day.

Because houses in Hauser View and Woodlake are served by booster pumps, actual peak hour should be calculated by subtracting the per dwelling unit peak hour demand from 1185 gpm then adding in Hauser View and Woodlake booster pumps. Doing so yields a peak hour of approximately 1324 gpm with both Woodlake boosters and the Hauser View booster on at the same time. It should be noted that the above average day, maximum day and peak hour demand estimates have been used for all services. In reality there would be some services such as Curly's which would be expected to use higher rates and other services such as the auto shop which would be expected to use lower rates. However, since the vast majority of water connections are for single family residences, using the same average day, maximum day and peak hour demands should be a reasonably accurate simplification for hydraulic analysis purposes. It should also be noted that at last report the Association reported 418 meters it was reading. However, since some of these meters serve more than one residence and since other meters are for irrigation lines, the count of actual water using buildings was used to determine average day, maximum day and peak hour demands per water user.

(500101.03179)

III-5

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1992 2 9 2003

IV. DESIGN CRITERIA

A. General

The purpose of this section is to establish the criteria by which the Hauser Lake water system improvements may be determined and designed and to evaluate the existing system against those standards. These criteria are based on the standards of various public and private agencies and associations as well as engineering judgement. The following standards and specifications are used to develop the design criteria recommended herein:

1. Recommended Standards for Water Works ("Ten State Standards")
2. Idaho State regulations - Title 1 Chapter 8
3. Sizing Guidelines for Public Water Supplies (Washington State Dept. of Health)
4. Standard Specifications for Municipal Public Works (APWA)
5. American Water Works Association Standards and Manuals

B. Future Water Use

Northern Idaho has experienced moderate to rapid growth in recent years, both as a bedroom community for the Spokane area and a community in its own right. The Hauser Lake area which was initially populated with mainly summertime residents using their lake cabin is now home to mostly year round residents. Recent housing developments have been mainly larger homes on fairly large sized lots. It is reported that new requests for water service have been occurring at a rate of 10-15 per year over the last several years.

Since there is significant potential and room for growth and no approved comprehensive plan is known to exist, some assumptions were necessary to estimate future water use. In particular, a 20 year time frame was assumed at 15 services per year, or 300 additional services. These services were distributed as follows. Due to the topography surrounding the lake, it was assumed that future services would be grouped like Woodlake or Hollister Hills and that a booster station would be necessary for each new development. Four Woodlake sized developments were assumed, each with 30 lots served by a 75 gpm booster station, and each have the average day, maximum day, and peak hour demands described in Table III-2. Note that even if no booster station is used, $30 \text{ services} \times 2.66 \text{ gpm/service peak hour demand} = 80 \text{ gpm}$, quite close to a 75 gpm booster station. These four future developments were assumed

(500101.03179)

MICROFILMED
IV-1
JAN 29 2003

to be located in the following areas: 1) behind the Chef in the Forest restaurant, 2) behind the Cliffhouse (Rainbow) Resort, 3) just beyond the Village on the west side of the lake, and 4) about 1000 feet before the end of the 6" main on the west side of the lake. In addition, the area between the main booster station, highway 53, N. Cloverleaf Rd. and Hollister Hills, approximately 150 acres, was divided as follows. 15 acres was allotted to a future school since it is reported that the Lakeland School District owns a parcel of land east of the main booster station. It is assumed that one third of the remaining $150-15=135$ acres, 45 acres, will be developed at 3 dwelling units per acre, one third, 45 acres, will be developed at 1 unit per acre, and one third will not be developed in the next 20 years. The following table summarizes assumed future development, its associated demand and its location. See also the 11x17 Water System Hydraulic Map in Appendix A.

(500101.03179)

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IV-2
JAN 29 2003

**Table IV-1
Assumed Future Water Demand**

Location ⁽¹⁾	Size ⁽¹⁾	Total Demand
FUTURE		
Behind Chef in the Forest	30 lots ⁽²⁾	Ave Day = 11.7 gpm Max Day = 53.4 gpm Peak Hour = 79.8 gpm ⁽³⁾
Behind Cliffhouse (Rainbow) Resort	30 lots ⁽²⁾	Ave Day = 11.7 gpm Max Day = 53.4 gpm Peak Hour = 79.8 gpm ⁽³⁾
Just beyond the Village	30 lots ⁽²⁾	Ave Day = 11.7 gpm Max Day = 53.4 gpm Peak Hour = 79.8 gpm ⁽³⁾
Just before the end of the 6" main on the NW side of lake	30 lots ⁽²⁾	Ave Day = 11.7 gpm Max Day = 53.4 gpm Peak Hour = 79.8 gpm ⁽³⁾
Between N. Cloverleaf Rd. and Hollister Hills	School - 15 acres ⁽⁴⁾ Assume 10 ac irrigated	Ave Day = 24.1 gpm Max Day = 57.6 gpm Peak Hour = 86.5 gpm
Between N. Cloverleaf Rd. and Hollister Hills	45 acres - 1 lot/acre ⁽²⁾	Ave Day = 17.6 gpm Max Day = 80.1 gpm Peak Hour = 119.7 gpm
Between N. Cloverleaf Rd. and Hollister Hills	45 acres 3 lots/acre ⁽²⁾	Ave Day = 52.6 gpm Max Day = 240.3 gpm Peak Hour = 359.1 gpm
EXISTING	<u>445 services</u>	Ave Day = 174 gpm Max Day = 790 gpm Peak Hour = 1324 gpm
TOTAL	745 plus school	Ave Day = 315 gpm Max Day = 1382 gpm Peak Hour = 2209 gpm

⁽¹⁾ Assumed

⁽¹⁾ Use ave day = 0.39 gpm/service, max day = 1.78 gpm/service, peak hour = 2.66 gpm/service

⁽²⁾ Could vary depending on size of booster pump, if any

⁽³⁾ Assume: 600 student school, domestic use 25 gpd/student, school in session 20 days/month for 9 months, irrigation use 4"/day every day in hot months of Jun., Jul., Aug., every other day in May and Sep., and no irrigation in other months, irrigation occurs at night so does not contribute to peak hour, peak hour = 1.5 x max day

(500101.03179)

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IV-3

JAN 29 2003

HAUSER LAKE WATER ASSOCIATION WATER SYSTEM ANALYSIS

DRAFT
(NOT FINALIZED)

Varela & Associates, Inc.
Spokane, Washington

July 1995

MICROFILMED
JAN 29 2003



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(500101.03179)

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JAN 29 2003

III-5

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(500101.01179)

IV-1

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to be located in the following areas: 1) behind the Chef in the Forest restaurant, 2) behind the Cliffhouse (Rainbow) Resort, 3) just beyond the Village on the west side of the lake, and 4) about 1000 feet before the end of the 6" main on the west side of the lake. In addition, the area between the main booster station, highway 53, N. Cloverleaf Rd. and Hollister Hills, approximately 150 acres, was divided as follows. 15 acres was allotted to a future school since it is reported that the Lakeland School District owns a parcel of land east of the main booster station. It is assumed that one third of the remaining $150-15=135$ acres, 45 acres, will be developed at 3 dwelling units per acre, one third, 45 acres, will be developed at 1 unit per acre, and one third will not be developed in the next 20 years. The following table summarizes assumed future development, its associated demand and its location. See also the 11x17 Water System Hydraulic Map in Appendix A.

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IV-2

(500101.03179)

Table IV-1
Assumed Future Water Demand

Location ⁽¹⁾	Size ⁽¹⁾	Total Demand
FUTURE		
Behind Chef in the Forest	30 lots ⁽²⁾	Ave Day = 11.7 gpm Max Day = 53.4 gpm Peak Hour = 79.8 gpm ⁽³⁾
Behind Cliffhouse (Rainbow) Resort	30 lots ⁽²⁾	Ave Day = 11.7 gpm Max Day = 53.4 gpm Peak Hour = 79.8 gpm ⁽³⁾
Just beyond the Village	30 lots ⁽²⁾	Ave Day = 11.7 gpm Max Day = 53.4 gpm Peak Hour = 79.8 gpm ⁽³⁾
Just before the end of the 6" main on the NW side of lake	30 lots ⁽²⁾	Ave Day = 11.7 gpm Max Day = 53.4 gpm Peak Hour = 79.8 gpm ⁽³⁾
Between N. Cloverleaf Rd. and Hollister Hills	School - 15 acres ⁽⁴⁾ Assume 10 ac irrigated	Ave Day = 24.1 gpm Max Day = 57.6 gpm Peak Hour = 86.5 gpm
Between N. Cloverleaf Rd. and Hollister Hills	45 acres - 1 lot/acre ⁽²⁾	Ave Day = 17.6 gpm Max Day = 80.1 gpm Peak Hour = 119.7 gpm
Between N. Cloverleaf Rd. and Hollister Hills	45 acres 3 lots/acre ⁽²⁾	Ave Day = 52.6 gpm Max Day = 240.3 gpm Peak Hour = 359.1 gpm
EXISTING	<u>445 services</u>	Ave Day = 174 gpm Max Day = 790 gpm Peak Hour = 1324 gpm
TOTAL	745 plus school	Ave Day = 315 gpm Max Day = 1382 gpm Peak Hour = 2209 gpm

⁽¹⁾ Assumed

⁽²⁾ Use ave day = 0.39 gpm/service, max day = 1.78 gpm/service, peak hour = 2.66 gpm/service

⁽³⁾ Could vary depending on size of booster pump, if any

⁽⁴⁾ Assume: 600 student school, domestic use 25 gpd/student, school in session 20 days/month for 9 months, irrigation use 1/4" /day every day in hot months of Jun., Jul., Aug., every other day in May and Sep., and no irrigation in other months, irrigation occurs at night so does not contribute to peak hour, peak hour = 1.5 x max day

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IV-3

(500101.03179)



VARELA & ASSOCIATES, INC. ENGINEERING AND MANAGEMENT
601 W. MALLON AVE., SUITE A • SPOKANE, WA 99201 • 509 328-6066 • FAX 509 328-1388

MEMO

TO: Al Beardslee, IDWR
FROM: Dan Buller
RE: Hauser Lake
DATE: 10-10-01

PWS #: ID1280084

Board of Directors: Lloyd Clapper
Dave Nall
Tracy Bockstrook
Wes Michael
Frank Spuler

Population projections from 1995 preliminary engineering report: enclosed

Please call if you have more questions.

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2.45

	G	AG
95-2189	0.56 cfs	?
CG 2.65 95-08535	2.20	352.2
95-07463	<u>2.60</u>	150.0
	4.76	

DAN - WES

2-4-02

will request additional \$40⁰⁰ fee - Spoke with Dan Butler, of Varela & Associates. Also, called and left message on Hansen Lake Water Association recorder about additional fees.

FAXED LETTER TO LYNN 664-1772 ON 02-05-02

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