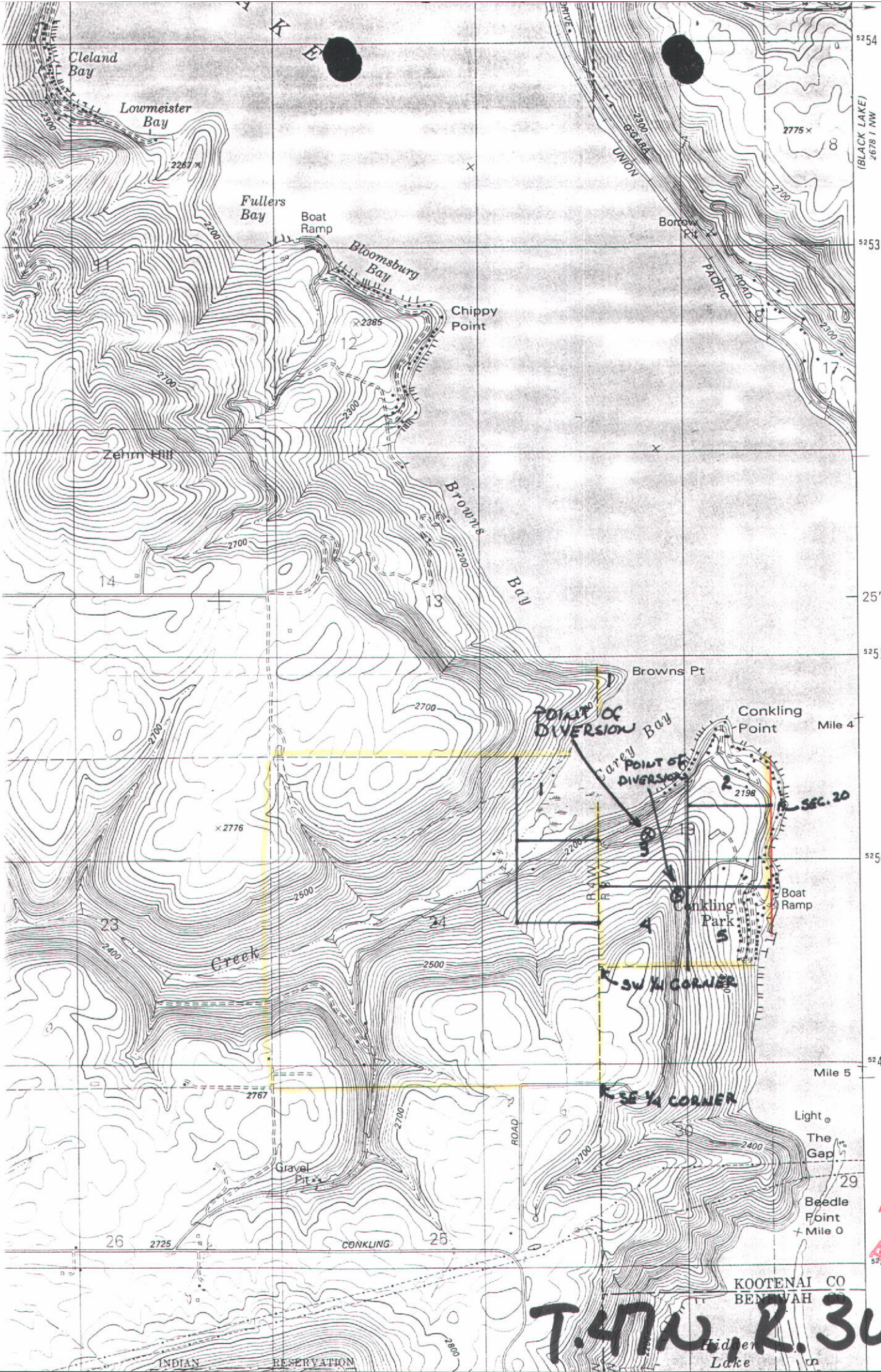




5254
5253
25'
5251
5250
5249
5248

MICROFILMED
APR 15 1999

T.47N, R.3W.

KOOTENAI CO
BEN WAH

INDIAN RESERVATION

W.B.M. 47N04W-24-

LOT 1

COEUR D'ALENE LAKE
LITTLE SQUAW BAY
(aka CAREY BAY)

LITTLE SQUAW BAY
(aka CAREY BAY)

COEUR D'ALENE LAKE

SARGENT PARK TRACTS

2

HARMONS AMENDED ADDITION

HARMONS 2ND ADDITION

HARMONS 2ND ADDITION

LOT 3
47.55
AC (47.50)

LOT 4
45.74
AC

SARGENT LOOP RD

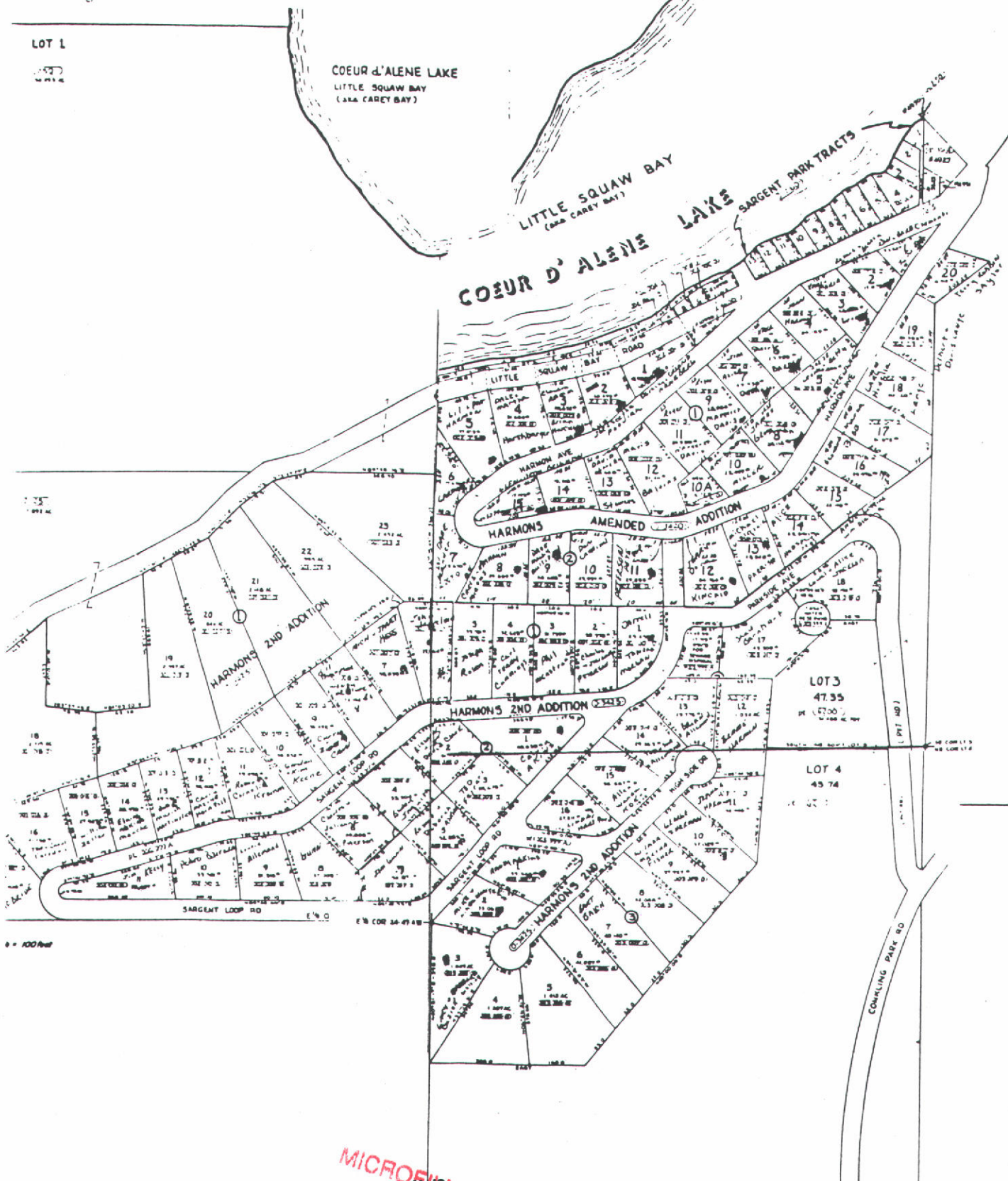
CONKLING PARK RD

24 '19

P4C
P3C

MICROFILMED
APR 15 1999

W.B.M. 47NO4W-24-



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APR 15 1999

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED

REQUEST FOR EXTENSION OF TIME

OCT - 8 2003

TO PROVIDE ADDITIONAL TIME IN WHICH TO SUBMIT PROOF OF Department of Water Resources
BENEFICIAL USE FOR A WATER RIGHT PERMIT

The Idaho Department of Water Resources will consider this form as a request that the permit holder(s) be granted an additional period of time under the provisions of Section 42-204, Idaho Code in which to complete development of a water right.

Permit No. 95-08996

Name(s) of Permit Holder: HARMON'S PROPERTY OWNERS ASSOCIATION c/o ROBERT ASKINS

Mailing Address: 154 S. MIKA PARK DRIVE SPOKANE, WA 99206

Date Proof is Due: 12/1/03 Telephone No. 509 534 1030

Describe what work has been completed toward the development of this water right:
(This must be filled out! If no work has been completed, show "none".)

EXISTING WELL HAS BEEN UPGRADED TO 42 GPM. A SITE FOR A
SECOND WELL HAS BEEN ACQUIRED AND ENGINEERING SUBMITTED
FOR CONSTRUCTION OF SECOND WELL AND ASSOCIATED SYSTEM
IMPROVEMENTS Costing \$ 9,300

The permit holder(s) has been unable to complete the remainder of the work for the following reasons:

THE TIME REQUIRED TO DETERMINE A SUITABLE SITE AND ACQUIRE
THE PROPERTY TOOK LONGER THAN EXPECTED. MORE TIME IS
NEEDED FOR THE CONSTRUCTION OF THE WELL AND IMPROVEMENTS

Permit holder(s) request an extension to 12/1/08, 19__.

FEE: \$50.00

Robert Askins
(Signature)*

*If other than permit holder, Power of Attorney must be supplied.

ACTION OF THE DEPARTMENT OF WATER RESOURCES

IT IS HEREBY ORDERED that the above request for extension of time be
APPROVED and the time within which to submit proof of construction of
works is extended to December 1, 2008.

Signed this 10th day of October, 1903.

Gary Spackman
GARY SPACKMAN

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 95-08996

Proposed Priority: October 7, 1998

Maximum Diversion Rate:

0.20 CFS

This is to certify, that HARMONS PROPERTY OWNERS ASSN

1511 S MICA PARK DR

SPOKANE WA 99206

has applied for a permit to appropriate water from: GROUNDWATER

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

BENEFICIAL USE

PERIOD OF USE

RATE OF DIVERSION

MUNICIPAL

01/01 to 12/31

0.20 CFS

LOCATION OF POINT(S) OF DIVERSION: Lot 3(NWSW), Sec. 19, Township 47N, Range 03W
Lot 4(SWSW), Sec. 19, Township 47N, Range 03W
KOOTENAI County

PLACE OF USE: MUNICIPAL

TWN RGE SEC

47N 03W 19	Lot 2 (SENW)	Lot 3 (NWSW)	Lot 4 (SWSW)
04W 24	Lot 1 (NENE)	SENE	

CONDITIONS OF APPROVAL AND REMARKS

1. Proof of construction of works shall be submitted on or before December 1, 2003.
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. 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.
5. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
6. The issuance of this right does not grant any right-of-way or easement across the land of another.

MICROFILMED

APR 15 2000

State of Idaho
Department of Water Resources

Permit To Appropriate Water

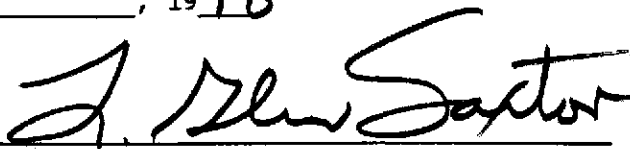
NO. 95-08996

CONDITIONS OF APPROVAL AND REMARKS

7. Place of use is located within the service delivery area of Harmons Property Owners Association in Harmons First and Second Additions.
8. This right authorizes the reservation of water for reasonably anticipated future needs within a planning horizon of 20 years. The right holder must construct works capable of diverting and carrying the authorized diversion rate by the date set forth in condition no. 1. However, application of water to beneficial use need not occur until 20 years from the date of this approval.

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

18th day of December, 1998


Karl J. Dreher, Director
for

MICROFILMED

APR 15 1999

Ident. No. 95-08996

RECEIVED

DEC 04 1998

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

Department of Water Resources

Name of Applicant HARMON'S PROPERTY OWNERS ASSOCIATION Phone 509 922 8363
 Mailing address 1511 S. MICA PARK DRIVE SPOKANE, WA 99206
 Source of water supply WELL (GROUNDWATER) which is a tributary of NA
 Location of point of diversion is Township 47N Range 3W Sec. 19 in the 1/4,
NE SW 1/4, SW 1/4, Govt. Lot 4, B.M., KOOTENAI County;
 additional points of diversion if any: ACRE T. 47N, R. 3W, SEC. 19, NW 1/4 SW 1/4, GOVT. LOT 3

Water will be used for the following purposes:

Amount .20 CFS for MUNICIPAL DOMESTIC purposes from JAN 1 to DEC 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) .20 and/or (b) NA
 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 EXISTING WATER DISTRIBUTION SYSTEM PERMITTED UNDER PERMIT NO. 95-08623
 b. Height of storage dam NA feet; active reservoir capacity NA acre-feet; total reservoir capacity NA acre-feet
 c. Proposed well diameter is NA inches; proposed depth of well is NA feet
 d. Is ground water with a temperature of greater than 85°F being sought? NO
 e. If well is already drilled, when? 1983; Drilling firm UNITED DRILLING
 Well was drilled for (well owner) GIL HARMON; Drilling Permit No. UNKNOWN

7. Time required for completion of works and application of water to proposed beneficial use is 30 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. NA
 b. Stockwatering; list number and kind of livestock. NA
 c. Municipal; show name of municipality. NA
 d. Domestic; show number of households. 43
 e. Other; describe fully. NA MICROFILMED

APR 15 1999

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.

[illegible]

- WATER RIGHT LICENSE No. 95-08028

- HARMON'S PROPERTY OWNERS ASSOCIATION

- ## ASSOCIATION MEMBERS

- significant, describe the arrangement enabling the applicant to make**

- THIS KING ON BEHALF OF THE

- Harmless Property Owners Association

- DELIVERY AREA OF WAREHOUSE PROJECT

- Alfreds AS50C/AT gun.

- Mrs. Robert Benson

- ~~SEC. BETTY BRADSTON~~

- VICE ROBERT ASH/MS

- 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.

MICROFILM-

1444 C 1 2034

Signature of Applicant (and title, if applicable)

ROBERT ASHMAN, Vice President, HPOA

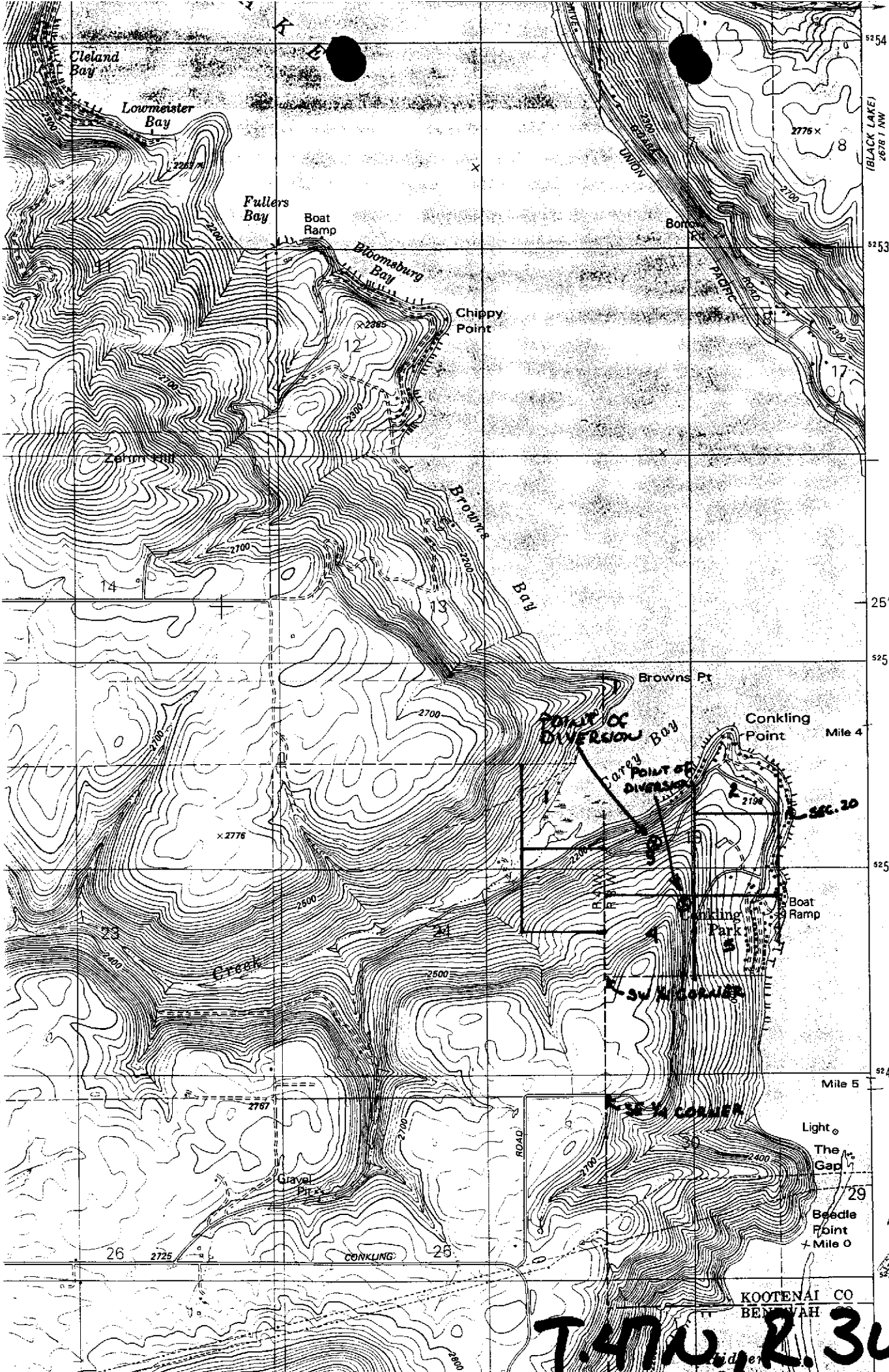
Date 9/8/98 Time 2:07 Preliminary check by _____

Received by _____ # _____ \$ _____
Date 9/8/98

Received by _____ Date _____
Published in _____

Publication approved _____ Date _____
Publication prepared by _____ Date _____

Date 4/17/98



MICROFILMED
APR 15 1993

T.47N, R.3W.

KOOTENAI CO
BENJAH

LOT 1

COEUR D'ALENE LAKE
LITTLE SQUAW BAY
(aka CAREY BAY)

1.
3.50
CUB

HARMONS AMENDED ADDITION

20
GAY 10
K. 1075

①

HARMONY 2ND ADDITION

HARMON'S 2ND ADDITION

LOT 3

47.55

LOT 4

45 74

MICROFILMED
Aug

APR 1 1993

24-19

233
243



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

October 14, 2003

HARMONS PROPERTY OWNERS ASSN
1511 S MICA PARK DR
SPOKANE WA 99206

RE: PERMIT NO. 95-8996

Dear Permit Holder:

Enclosed is a copy of the approved request for extension of time submitted in connection with the above referenced permit that extends the time within which to submit proof of construction of works to **December 1, 2008**.

Please note that the department granted this extension based on **due diligence**. It is important that you work diligently toward the completion of this project during the construction period allowed since the department may not be able to grant additional extensions based on due diligence.

According to Section 42-248, Idaho Code, which requires you or the owner of this water right to maintain current ownership and address records on file with the department. Please contact any office of the department for the proper form to file a change of ownership of a water right and/or a change in the address of the owner.

Please feel free to contact the department if you have questions.

Sincerely,

Deborah J. Gibson
Administrative Assistant
Water Allocation Bureau

Enclosure

c: IDWR - Regional Office

ANALYSIS SHEET FOR EXTENSION OF TIME

Permit No.: 95-8996

Reviewed By: dgibson

Date: October 10, 2003

	<u>Yes</u>	<u>No</u>		<u>Yes</u>	<u>No</u>
Request received timely?	X		Is delay by a government agency?		
Appropriate fee	X		Is supporting documentation needed to support the file?		
Additional Amount Due:					
Receipt No.:	C071170		Has the permit been involved in litigation?		X
Name and signature same as permit?	X		Is supporting documentation needed to support the file?		
Is address same as permit?	X		Is the project more than 25,000 acre feet for irrigation or 10,000 acre feet for a reservoir?		
Has adequate work been completed to demonstrate due diligence?	X				

Priority Calculation

Extension request received	10/08/2003	New proof due date	12/01/2008
Date proof due	- 12/01/2003		
Lapse notice sent	-		
No. of days late	= 0		
Holiday allowance	+		
Priority date	+ 10/07/1998		
New priority date	= 10/07/1998		

Action Taken

Acknowledge Request for Extension of Time and extend proof deadline to 12/1/2008.

(of construction of works)

September 30, 2003

HARMONS PROPERTY OWNERS ASSN
1511 S MICA PARK DR
SPOKANE, WA 99206

PROOF DUE NOTICE

RE: PERMIT NO. 95-8996

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before December 01, 2003. (See last page of your approval permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a completed field examination report prepared by a certified water right examiner may be used to submit the required proof.

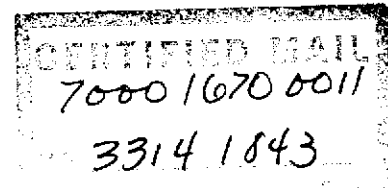
If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

Sincerely,

Deborah J. Gibson, Administrative Assistant
Water Allocation Bureau

Enclosures





State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098

Phone: (208) 327-7900 FAX: (208) 327-7866

December 18, 1998

PHILIP E. BATT
GOVERNOR

HARMONS PROPERTY OWNERS ASSN
1511 S MICA PARK DR
SPOKANE WA 99206

KARL J. DREHER
DIRECTOR

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 95-08996

Dear Permit Holder:

The Department of Water Resources (IDWR) 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 IDWR pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action by IDWR unless a party petitions for reconsideration or files an exception and/or brief 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 right were drilled or deepened after July 1, 1987, a separate drilling permit must be obtained from this Department. Please contact the Groundwater Protection Section located here at this office or our regional office nearest you.

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

Sincerely,

Shelley W. Keen
Water Rights Supervisor

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APR 15 1999

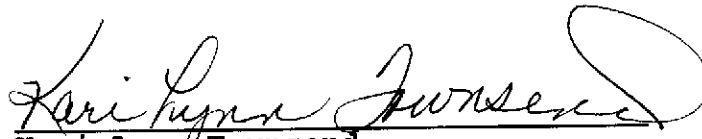
SK:klt

CERTIFICATE OF MAILING

I hereby certify that on the 18th day of December, 1998, I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER (Approved Permit) to the person(s) listed below:

Water Right No. 95-08996

HARMONS PROPERTY OWNERS ASSN
1511 S MICA PARK DR
SPOKANE WA 99206


Kari Lynn Townsend
Secretary

MICROFILMED

APR 15 1999

Responding to Preliminary Orders Issued by the Idaho Department of Water Resources

The Idaho Department of Water Resources (Department) issues water right permits, licenses, and transfers as preliminary orders pursuant to section 67-5243, Idaho Code. A preliminary order can and will become a final order without further action of the department unless a party petitions for reconsideration or files an exception and/or brief 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 the 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 twenty-one (21) 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 a 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. Otherwise, a preliminary order will become a final order of the Department.

If any party appeals or takes exceptions to a preliminary order, opposing parties shall have twenty-one (21) days to respond to any party's appeal. Written briefs in support of or taking exceptions to the preliminary order shall be filed with the Department. The Department retains the right to review the preliminary order on its own motion.

ORAL ARGUMENT

If the Department grants a petition to review a preliminary order, the Department 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 Department will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Department orders otherwise, all oral arguments will be heard in Boise, Idaho.

MAILED
APR 13 1997

CERTIFICATE OF SERVICE

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

FINAL ORDER

The Department 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 Department 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.

MEMORANDUM

DATE: December 17, 1998

TO: Glen Saxton

FROM: Shelley W. Keen *SWK*

RE: Planning horizon for 95-08996

Application 95-08996 is for 0.20 cfs of water for reasonably anticipated future needs for a municipal provider. The applicant has proposed a 35-year planning horizon. Section 42-202B(4) says that IDWR determines the planning horizon based on reasonableness.

The applicant has existing domestic water rights for 0.20 cfs for 47 lots. There are currently 26 homes built. Of the 26, approximately 17 water their lawns. According to our Maximum Instantaneous Water Requirements for Domestic Use chart, 26 homes will use about 0.23 cfs for indoor use. If we allow for 0.02 cfs per lawn, the applicant may also be able to make beneficial use of 0.34 cfs for lawn watering. Indoor use of 0.23 cfs and lawn watering use of 0.34 cfs together already exceed the 0.40 cfs that the applicant's rights would total after approval of application 95-08996.

In addition, the applicant expects 43 more homes to be built within 35 years, bringing the total to 69. According to our Maximum Instantaneous Water Requirements for Domestic Use chart, 0.40 cfs would be needed to meet the *indoor* needs for 85-90 homes, without consideration of capacity needed for lawn watering. With lawn watering considered, the applicant will likely make beneficial use of the additional 0.20 cfs long before 35 years passes.

I also made some phone calls this morning to ascertain what local planning agencies generally use for a planning horizon in their local land use plans. I received the following responses:

Kootenai County	Chuck Finan	10 to 20 years	208 (666-8335)
Coeur D'Alene Tribe	Wally Hubbard	20 years	(208) 686-1800

Because the applicant will likely make beneficial use of 0.20 cfs without much additional development, and because professional planners apparently use 20 years as a reasonable planning horizon, I recommend that permit 95-08996 should carry a planning horizon of 20 years.

APR 15 1999

WR0749NP
No. P95-08996

IDAHO DEPARTMENT OF WATER RESOURCES
WATER RIGHT PROFILE REPORT

DATE: 12/08/98
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	HARMONS PROPERTY OWNERS ASSN 1511 S MICA PARK DR SPOKANE WA 99206 (509) 922-8363	10/07/1998	MUNICIPAL	01/01 12/31	0.200 CFS	
					TOTAL DIVERSION:	0.200 CFS

Water Source: GROUNDWATER

Tributary to:

Stage: PERMIT

Point(s) of Diversion: T47N R03W S19 Lot 03(NWSW) Lot 04(SWSW)

KOOTENAI County

Place of use Legal Description for: MUNICIPAL

NE				NW				SW				SE						
T	R	S	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:
47N	03W	19	:															:
47N	04W	24	:	01-M														:

Pou County: KOOTENAI

Other Water Rights with Same Point(s) of Diversion with Stage (Includes All Sources):

95-07523 95-08078 95-08623 95-08996 L95-08623

Other Water Rights Listing Overlapping Place(s) of use:

95-08078 95-08132 95-08623 L95-08623

Conditions of Approval:

- 26A - 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.
- 01M - 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.
- 046 - Right holder shall comply with the drilling permit
- requirements of Section 42-235, Idaho Code.
- 004 - The issuance of this right does not grant any right-of-way
- or easement across the land of another.

Remarks: GEN Place of use is located within the service delivery area of
Harmons Property Owners Association in Harmons First and Second
Additions.

Dates: App. Received: 10/07/1998 Priority Date: 10/07/1998
Proof Due Date: 12/01/2003 Proof Made Date:
Exam Made Date: Exam Sent to S.O.:
Licensed Date:

Misc: Water District Number: Field Exam Fee:

Comments: Date: 10/13/1998 User-ID: DBALL Subject: DIVERSION DESCRIPTION
Existing water distribution system permitted under Permit 95-8623
with Well Permit No 96-82-N-32. Two points of diversion noted
for this water right, includes above mentioned well.

Date: 12/08/1998 User-ID: CZIMMERM Subject: MUNICIPAL PROVISIONS
Section 42-202(2) of the Idaho Code states that "an application
proposing an appropriation of water by a municipal provider for
reasonably anticipated future needs" must be accompanied by
documentation related to the service area, planning horizon, ect.
This application includes a water development plan prepared
in February 1998 that identifies the required criteria of
42-202(2). The plan includes information identifying current
demands exceed the current system capacity and that the
additional flow provided under this right is anticipated to be
utilized within 35 years.

Audit: 12/08/98 CZIMMERM

APPLICATION FOR PERMIT STATE OFFICE ANALYSIS

by *Cindy*No.: 95-08996 Name: Harmon's POA Date: 12/8/98 Ad OK? ☒ ☒ Gvmt Lts: AREA OF CONCERN: - No/Yes: Mor / GWMA / Trust / Non-trust

PROTESTED: - 020 (Protest Agreement) or *W19 (Order)

SYSTEM COMPLETED:

- > 1 year - 26A(P17)
- ≤ 1 year/no proof - P16

GROUNDWATER: (✓ FLO-CH)

- WMD (✓ MAP) - North / East / West
- > 0.24 cfs/5 acres - 067 or No MD (in-stream stock or power)
- ≤ 0.24 cfs/5 acres - No MD
- WMD Supplemental use - 065-079 (if GW use SW 1st-statewide)-(cannot move SW off)
- > 0.24 cfs/5 acres - 01M (report when notified)
- ≤ 0.24 cfs/5 acres - No MD

DRILLING PERMIT:

- All wells (✓ WDQ3) - 046(P23)
- In Basin 34? - 085
- Irr. within WD - P05 (new well location)

SURFACE WATER: (✓ FLO-CH) (Surface water that doesn't sink is regulated):

- FISH & GAME CONTACTED: - YES / NO; RESPONSE:
- IN/ABOVE MIN. STR. FLOW (✓ MAP) - *WB9
- WD (✓ MAP & LISTING) - R04 (WD #)
- > 0.10 cfs - 01J-P08 (MD & LD)
- ≤ 0.10 cfs - 01H-P01 (LD), 01P or No MD (in-stream stock)
- WMD (✓ MAP) - 067 or No MD (in-stream stock or power)
- > 0.24 cfs/5 acres - No MD
- ≤ 0.24 cfs/5 acres - No MD

SPRINGS/SINK, INACTIVE WD & REST OF STATE

- > 0.24 cfs/5 acres - 01M or No MD (in-stream stock or power)
- ≤ 0.24 cfs/5 acres - No MD

RIVER BASINS: (*Surface water):

- Snake R (01) - *W22 -P04, NA
- (02/03-irr) - 007 (w/ remark *WB9 if above Weiser), NA
- Payette R(65) - *W22 (regulated uses), 047-P04 (Payette Lake), NA
- Salmon R (70's) - 029 (fish screens), NA
- Weiser R (67) - 086, 087

USE:

- ~~Domestic~~ surface - *WB5 (Big Wood R or Boise R ↑ Star Bridge); 27A (Payette River); NA
- >1 in rest. area - 071-070
- Fire Protection - 077
- Fish Propagation - 029(70's only)-007-042(req)-081 (WQ)-P10
- Heating/Cooling - R07 (injection well)
- Irr ≤ 5 acres - R66/R67/R68/R69 (0.03 cfs/acre + 3.0/3.5/4.0/4.5 AF)
- > 5 acres - R62/R63/R64/R65 (0.02 cfs/acre + 3.0/3.5/4.0/4.5 AF)
- Mining - 054(req) -081-P10
- Municipal - 022, 075, 004 (+memo?), NA (not in restricted area)
- Power - 17H/17K(+uses)-08A-025(P18)-01N-028-081(P10)-027 (if no other cons. use); 17G (FERC) or 17M (FERG); 18B-P09; >25 cfs-P18
- Stockwater - R37 (BLM/USFS); NA
- Storage (✓3 compo.) - 18A (in & out MD for on-stream storage), 18B-P09 (>10' dam), NA

LOCATION:

- 42-248 area - P84 (in 20/30/40/50/60/70/80 (87) basin)
- Boise Front LoGeo - 058 (<85° GW temp only)
- In-stream dev. - P52 (stream channel alteration)
- Mitigation - 120
- SWAN FALLS FLAG (See Code Chart) -
- Trust - 051-052-053-P74 (Consumptive Uses), NA
- Non-Trust (1) - 048-049 (Consumptive Uses), NA

OWNERSHIP:

OTHER CONDITIONS:

STANDARD REMARKS:

BENEFICIAL USE DUE:

COMMENTS:

- ① w/60 ~~008~~ ②- 11/1/ 2003

MEMORANDUM

DATE: December 16, 1998
TO: File No. 95-08996
FROM: Cindy Zimmerman
SUBJECT: Application Review

This application for municipal use within Harmon's First and Second Additions is intended to provide:

1. A second well required to satisfy public water supply requirements, and
2. Water right coverage on any and all remaining undeveloped lots.

This subdivision is also covered by 3 other rights. Those rights are described on the attached spreadsheet "Harmon Addition Overlap Analysis".

Section 42-202(2) of the Idaho Code states that "an application proposing an appropriation of water by a municipal provider for reasonably anticipated future needs" must be accompanied by documentation related to the service area, planning horizon, etc.

Per latest exam on 95-08623, the system capacity prior to this application is 0.20 cfs. Per subdivision plats, homes exist on 47 lots. Per "Maximum Instantaneous Water Requirements for Domestic Use (In-house)" table, 40 homes require 0.30 cfs and 50 homes require 0.33 cfs. This application adds 0.20 cfs to the system through an additional well. It is reasonable to assume some beneficial use will occur as soon as the additional well is developed and, therefore, this application should not be considered an appropriation for reasonably anticipated future needs.

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2nd Addition (total 52 lots):

***Also: Arrington Lot**
****Also: Lot 13, Sargent Park Tracts**

Bldg. 1:					Bldg. 2:				
"A"	"B"	"C"	Total		"A"	"B"	"C"	Total	
Lots: 15	15	15	15		Lots: 20	20	20	20	
homes: 5	12	12	13		Homes: 1	8	11	13	

P.L. = Privately owned lots

***= When all rights combined limited to 45 homes, 0.20 cfs, and 12 acres.
 ****= $0.07 + 0.20 = 0.27$ on 12 acres = 0.0225 cfs/ac

Note: Max. instantaneous rate for 87 homes, in-house use, is about 0.43 cfs.

Note: Max. instantaneous rate for 87 homes, in-house use, is about 0.43 cfs

IDAHO DEPARTMENT OF WATER RESOURCES
APPROPRIATION APPLICATION ANALYSIS SHEET

APPLICATION # 95-02996

INITIAL REVIEW

RECEIVED

DEC 04 1998

WRI
WRA
BCA

DEPARTMENT OF WATER RESOURCES

APPLICANT: HARMON'S PROPERTY OWNERS ASSOCIATION

BY: [Signature]

DATE: 10/7/98

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)
- ☒ Field check: by _____
 - ☒ Field report attached
 - ☒ Analysis Supp. attached(>5cfs/500af)
 - ☒ Water delivered by water master?
 - Water District # _____

PROCESSING

(Yes) (No) PRIORITY DATE: 10/7/98

☒ (Include Moratorium Remark)

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

ADVERTISE IN: KOOTENAI County

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

Permit No.'s:	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
 - ☐ Affidavit of publication received
 - ☐ Application published correctly. If not, record action taken: _____

- ☒ Publication dates and paper recorded on application
- ☒ Protests received, Final protest date: 11/23/98
- ☒ Measuring device required
- ☒ Measuring port required
- ☒ Special conditions:

Sr. Agent initial [Signature]

RECEIVED

DEC 04 1998

Department of Water Resources

Special conditions of approval supplement and/or cover letter attached?

Approval Recommended by: [Signature] Date: 11/30/98

NOV 17 1998

NOV 17 1998

AFFIDAVIT OF PUBLICATION

DWR/10/1

IDWR/North

STATE OF IDAHO,
County of Kootenai,

} ss.

*STACIE WALKER*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 5 day of NOVEMBER, 1998, and ending on the 12 day of NOVEMBER, 1998, 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.

Subscribed and sworn to before me this 12 day of NOVEMBER, 1998

Regina Mason

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

MY COMMISSION EXPIRES 6/18/03

NOTICE OF APPLICATION FOR WATER RIGHT

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

95-08995

DAWN, JON N
4600 W. RIVERVIEW
POST FALLS, ID 83854
Source: UNNAMED STREAM Tributary: SPOKANE RIVER
Diversion Pt: NENE Sec 18 T 50N R 05W in KOOTENAI County.
NWNE Sec 18 T 50N R 05W in KOOTENAI County.
Use: IRRIGATION (0.100 CFS)
STOCKWATER (0.020 CFS)
Total Diversion: (0.120 CFS)
Date Filed: 10/6/1998
In: KOOTENAI County
T50N R05W S18 NENE NWNE
5.0 ACRES TOTAL

HARMONS PROPERTY OWNERS ASSN
1511 S. MICA PARK DR.
SPOKANE, WA 99206
Source: GROUNDWATER Tributary: N/A
Diversion Pt: LOT 3 (NWSW) Sec 19 T 47N R 03W in KOOTENAI County.
LOT 4 (SWSW) Sec 19 T 47N R 03W in KOOTENAI County.
Use: MUNICIPAL (0.200 CFS)
Total Diversion: (0.200 CFS)
Date Filed: 10/7/1998
In: KOOTENAI County
T47N R03W S19 Lot 2(SENW) Lot 3(NWSW) Lot 4(SWSW)
R04W S24 Lot 1(NENE) SENE
1.0 ACRES TOTAL

BUZOLICH, ANTONE NICK
6680 E SPORTSMAN PARK ROAD
HAYDEN LAKE, ID 83835
Source: HAYDEN LAKE Tributary: SINKS
Use: IRRIGATION (0.040 CFS)
Total Diversion: (0.040 CFS)
Date Filed: 10/13/1998
In: KOOTENAI County
T52N R03W S34 Lot 3(SWNW)
1.0 ACRES TOTAL

LARSEN, ELLEN
W 6700 STURGEON
RATHDRUM, ID 83858
Source: GROUNDWATER
Diversion Pt: NWNE Sec 19 T 52N R 04W in KOOTENAI County.
Use: IRRIGATION (0.050 CFS)
STOCKWATER (0.020 CFS)
DOMESTIC (0.040 CFS)
Total Diversion: (0.050 CFS)
Date Filed: 10/22/1998
In: KOOTENAI County
T52N R04W S19 NWNW
20.0 ACRES TOTAL

LARSEN, ELLEN
W 6700 STURGEON ROAD
RATHDRUM, ID 83858
Source: SPRING Tributary: SINKS
Source: UNNAMED STREAM Tributary: RATHDRUM CREEK
Diversion Pt: NWNE Sec 19 T 52N R 04W in KOOTENAI County.
NENWNE Sec 19 T 52N R 04W in KOOTENAI County.
NWNWNE Sec 19 T 52N R 04W in KOOTENAI County.
Use: IRRIGATION (0.090 CFS)
IRRIGATION STORAGE (0.11 AF)
IRRIGATION FROM STORAGE (0.11 AF)
WILDLIFE STORAGE (0.11 AF)
DOMESTIC STORAGE (0.11 AF)
FIRE PROTECTION STORAGE (0.11 AF)
DIVERSION TO STORAGE (0.090 CFS)
Total Diversion: (0.090 CFS) (0.11 AF)
Date Filed: 10/22/1998
In: KOOTENAI County
T52N R04W S19 NWNW
3.0 ACRES TOTAL

For additional information concerning the property location, call the Northern Regional Office at (208) 769-1450.

The permit(s) will be subject to all prior water rights. Protests must be filed with the applicant and with the Director, Dept. of Water Resources, Northern Region, 1910 Northwest Blvd., Suite 210, Coeur d'Alene, Idaho 83814, together with a protest fee of \$25.00 on or before NOVEMBER 23, 1998.

Legal 167
November 5, 12, 1998

KARL J. DREHER, Director

MICROFILMED

APR 15 1999

95-08996

HARMONS PROPERTY OWNERS ASSN
1511 S MICA PARK DR
SPOKANE, WA 99206

Source: GROUNDWATER

Tributary: N/A

Diversion Pt: LOT 3 (NWSW) Sec 19 T 47N R 03W in KOOTENAI County.
LOT 4 (SWSW) Sec 19 T 47N R 03W in KOOTENAI County.

Use: MUNICIPAL (0.200 CFS)
Total Diversion: (0.200 CFS)

Date Filed: 10/ 7/1998

In: KOOTENAI County
T47N R03W S19 Lot 2 (SENW) Lot 3 (NWSW) Lot 4 (SWSW)
R04W S24 Lot 1 (NENE) SENE

MICROFILMED

APR 15 1999

October 28, 1998

Robert D. Askins
Harmons Property Owners Association
1511 S Mica Park Drive
Spokane WA 99206

Re: Water Appropriation Application No. 95-08996

Dear Mr. Askins::

The Idaho Department of Water Resources hereby acknowledges receipt of the above referenced Application for Permit to appropriate the Public Waters of the State of Idaho. To assist us in providing you with prompt, accurate service, please refer to the above referenced number in all future matters concerning this water right application. Enclosed for your file is Receipt Number N012385.

Your appropriation application is currently being prepared for advertising in the local county newspaper. This advertisement will be published for two consecutive weeks followed by a waiting period of ten days to allow for the submittal of protests. Normal processing time is approximately 3 to 4 months, if the application is not protested.

If the application is not protested, it will be forwarded to Boise to be considered for approval by the Director. State office personnel will then conduct a complete review, and you will be notified by mail of the outcome. However, if the application is protested during this waiting period, you will be sent a copy of the protest and instructions to aid you in resolving the protest without a hearing. All protests must be resolved before approval of the application can be made, so if the protestant does not voluntarily withdraw the protest, this department will conduct a conference and/or hearing on the matter.

You will receive your approved Application for Permit and instructions on filing the Proof of Beneficial Use from our State office in Boise.

If your source is groundwater, a Well Drilling Permit is required for all wells constructed after July 1, 1987.

A "Domestic" well drilling permit should be obtained for a rate of diversion of up to 18 gallons per minute (0.04 CFS) and a daily volume of up to 2,500 gallons per day. The cost for this permit is \$75.00. For any other use, including multiple homes, or municipal, etc., the Drilling Permit fee is \$200. These Permits can be obtained by your driller, also. It is sometimes possible to upgrade an existing Domestic Drilling Permit by submitting a fee for the difference. This, however, depends on the individual well.

If you have any questions or if I can be of any assistance please feel free to contact me at this office.

Sincerely,

MICROFILMED

APR 15 1999

ALLEN BEARDSLEE
Senior Water Resources Agent

September 28, 1998

Mr. Robert D. Askins
1511 S Mica Park Drive
Spokane WA 99206

Re: Harmon Property Owners Permit No. 95-08623

Dear Mr. Askins:

This letter is in regard to an Amendment to the above referenced permit which is necessary to correct an error in the location of a portion of the place of use for the water.

I apologize for being so tardy in getting this Amendment to you since our phone conversation. Please sign the Amendment at the bottom of page 1, and return it to our office with the \$50.00 filing fee.

As we discussed, we will use the application for permit which you filed along with the development plan submitted by the Neuenschwandars. We will begin processing of this application shortly.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Robert G. Haynes, P.E.
Regional Manager

RGH:db

Enc.

MICROFILMED

APR 15 1999

8-28-98

Robert D. Askins
1511 S. Mica Park Drive
Spokane, Wa. 99206
Phone, day: 509 534 1030
Phone, night: 509 922 8363
Fax: 509 534 9735
email: askins@gntech.net

RECEIVED
SEP 08 1998
NORTHERN REGION
IDWR

Mr. Robert Haynes
Northern Region
Idaho Department of Water Resources
1910 Northwest Blvd., Suite 210
Coeur d'Alene, Idaho 83814

Re: Harmons Property Owners Association

Subject: Water Rights

Dear Mr. Haynes:

On behalf of our Association, I would like to thank you for attending our annual meeting in June. You, and your colleagues, were able to answer a lot of our questions and clear up a number of issues that were of concern to our members. Please be assured that you have our best regards for that effort.

We still have some confusion in our Association regarding our water rights. In going back through our records we find various permit applications, requests for extensions of time, permits to appropriate water, applications for amendments, a 1991 water rights license, letters from DWR granting time extensions, a proof of beneficial use form filed by myself about this time last year, as well as the a water development plan pursuant to Idaho Code 42-202 filed by the Association during the last year. I believe our confusion may stem from the lack of response to our filing of the proof of beneficial use form compounded by our efforts to explorer the relative new legislation embodied in 42-202.

Several of our members were led to believe by statements made at our annual meeting that our water rights may have lapsed at some point in the past. There appears to be clear documentation leading up to the present time, however, indicating that we have water rights for forty-four homes. I hope that this was simply a misunderstanding. In any event, we would appreciate a clarification of where we are at with our water rights.

Jim Deshazer, who is a member of our association, has mentioned a contact from you indicating that water right licenses have been issued in the names of individuals property owners. If so, please advise how we can obtain this documentation.

MICROFILMED
1998-09-08

When Bob Benson and Betty Brighton, met with you earlier this summer, you informed them that we should submit an application for permit to appropriate water for the additional forty-three homes which would be included in our association at ultimate build out. This application is enclosed along with my check for fifty dollars which appears to be the appropriate fee. I would appreciate your keeping us informed as to the progress of our application and if there is anything we can do to move it along.

Sincerely,



Robert D. Askins
Vice President, HPOA

cc: Robert Benson, President, HPOA
Betty Brighton, Secretary, HPOA
Board of Directors, HPOA
Water Committee, HPOA
Harmon Enterprises
file

MICROFILMED

APR 15 1999

February 25 1998

Mr. Robert Haynes, Director,
Department of Water Resources,
Northern Region Office,
1910 Northwest Blvd. - Suite 210
Couer d' Alene, Idaho, 83814 - 2676
Phone: 208 - 769 - 1450,
FAX: 208 - 769 - 1454

RECEIVED
FEB 26 1998
NORTHERN REGION
IDWR

Dear Mr. Haynes:

Enclosed is the final draft for the Harmon Property Owner Association Water Development Plan. We are more than thankful for your time and effort. Enclosed is a FAX form John Riley with his corrections to the Draft Plan. We included John Riley's revisions for the specifications of the well. Other changes are minor from the copy we sent to you last December. We did not receive a review from IDWR but hope any changes you have will be minor. You or some one in your staff could Fax the changes to me at (208 - 882 - 1403) or just call me at the same number. If you have no corrections or additions, please sign both copies of the plan, keep a copy and return a signed copy to me for the Association Records.

You and the IDWR staff have been a pleasure to work with. Thank you for all your help. Members of our Association are grateful to IDWR for protecting our water.

Sincerely,

Betty J. Neuenschwander, President
HPOARH2

MICROFILMED

RECEIVED

FEB 26 1998

NORTHERN REGION
IDWR

February 1998

HARMON PROPERTY ASSOCIATION WATER DEVELOPMENT PLAN FOR THE HARMON FIRST AND SECOND ADDITIONS.

Submitted to: Idaho Department of Water Resources (IDWR), Mr. Robert Haynes, Director of the Northern Region, Couer d' Alene, Idaho.

Applicant : Harmon Property Owners Association, Betty J Neuenschwander, President. Her correct mailing address is: Betty J. Neuenschwander, 1437 Pine Cone Road, Moscow, Idaho, 83843. Telephone : 208 - 882 -1403. FAX : 208 - 882 - 1403.

Water Source: The property owners in Harmon First and Second Addition formed the Harmon Property Owners Association (HPOA) in part to provide water to their members. The HPOA well is located in Worley, Kootenai County, Idaho -- Government Lot 4 (SWSW), Section 19, Township 43, Range 03 West. The well was established in December, 1982 by Gill Harmon. The Well Number is 96 - - 82 -- N -- 32. The Permit to Appropriate Water, No. 95 - 08623, for 0.10 Cubic Feet per Second (CFS) (which is 44.8 gallons per minute) was received by IDWR on September 28, 1989 and recognizes domestic use for 80 homes and irrigation for 40 acres.

Purpose and Need: The above water source is the only currently available water for Harmon Property Owners Association (HPOA) for Harmon First and Second Additions. The water rights petition including a one time extension was filed in August, 1997. Currently, the association has 43 of the potential 86 parcels using water. We project that in 35 years the HPOA will have 69 houses and the remaining members will have sold or developed their lots.

The members of the Harmon Property Owners Association in the First and Second Additions request to amend our water rights to reasonably anticipate our future needs.

Authorities: The Harmon Addition Restrictive Conveyances states on page 5 for the First Addition and page 4 for the Second Addition that "no other water source other than association water is permitted for use within the Association." HPOA is the supplier of water to its members.

Department of Environmental Quality (DEQ) considers HPOA as a municipal water supplier according to Idaho Code 39 - 103 # 15. The Code indicates that

APR 15 1998

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APR 15 1998

Municipal water supplier provides water to 10 or more households. HPOA currently has 68 members, 86 potential lots and 43 lots with water hook - ups.

HPOA requests that priority water rights for well number 95 - 82 - N - 32 and its aquifer be amended under Idaho Code 42 - 202 which indicates that a municipal water provider may appropriate water for reasonable anticipated future needs. The Code requires a water development plan.

Growth Development Plan

1. Location and Description. The Harmon First and Second Additions are located approximately 8 miles East of Worley, Idaho along the South West banks and uplands of Carey Bay (Little Squaw Bay) of Lake Coeur d' Alene. (General Location Map, 1.). The combined Additions comprise the Harmon Property Owners Association (HPOA). The Association currently has 68 members and some own more than one lot. The legal description is: Township 47, Range 03 West, Section 19. (Harmon Association Map, 2). The area's historical landmark is the Conkling Park Store and Marina which is about a mile away.

Conkling Park is about 45 minutes from Coeur d' Alene, Idaho, about 50 minutes from Spokane, Washington, 65 minutes from Moscow, Idaho and the same from Pullman, Washington. Conkling Park is a favorite recreation area for these communities. The entire area near the Southwest shore of Lake Coeur d' Alene is commonly referred to as Conkling Park, however, at least 10 separate Associations make up the area with about 389 building lots and a commercial marina and cafe. The area is about 56% developed.

Idaho Department of Water Resources (IDWR) lists 10 wells as water sources for the Conkling Park area, but 3 of these wells are not functional at this time.

The Conkling Park area's economy is primarily recreation associated with the lake and retirement living along its shores. The largest employer in the Worley area is the Coeur d' Alene Tribe. The Conkling Park Associations are private inholdings within the Tribe's Reservation.

Conkling Park's proximity to Spokane and Coeur d' Alene combined with retirement living, lake recreation and Tribal resorts and gaming, will likely increase the employment, recreational use and the population near and in Conkling Park area.

2. Harmon First and Second Addition -- Current Status. The Harmon First and Second Additions were combined to form the Harmon Property Owners Association (HPOA). The Association currently has 68 owners and 86 lots. The primary role of the Association is to provide water to its members, maintain the community water system, maintain the association roads, maintain right of ways, maintain common areas, maintain the community docks and deal with important issues as they arise. In this role, the Idaho Department of Environmental Quality (DEQ) has classified the HPOA as a community water provider and community water source under 39 - 103 #15 of the Idaho Code. Two wells were drilled by Gill Harmon as private residence wells for First and Second Additions and then turned over to the HPOA but one became dysfunctional. The current Association water source is one functional well (95.- 82 - N - 32).

2. 1. Well. The HPOA well was drilled by Gill Harmon in December, 1982 (permit number 95-82-N-32) and it services the Harmon First and Second Additions. The Association hired John Riley, a hydrogeologist from Pyrite Hydrochem, Post Falls, Idaho in October, 1997 to establish the base line data on the Association well and aquifer. He has conducted two tests. This is what we know about the well and aquifer:

1. The initial well blow test was about 50 gallons per minute.
2. The estimated pump yield is approximately 25 gallons per minute. This calculation was based on the pump curve and estimated total dynamic head.
3. The daily water yield at 25 gallons per minute is 36,000 gallons per day.
4. The maximum pump yield is 32 gallons per minute.
5. The pump intake is 374 feet.
6. The well is 402 feet deep.
7. The pumping elevation is 2170 and the depth is 30 to 40 feet above Couer D' Alene Lake.
8. The static water level was reported at 193, 196 and 206 feet.
9. Oct. 29th, 1997: Well pumping level was 319 feet below the top of the casing.
10. Nov. 4th, 1997: During a 5 hour test (constant rate) the pumping level after one hour was 259 feet below the top of the casing. After one hour with a discharge rate of 23 gallons per minute, the draw down level was about 59 feet.
11. Nov. 18, 1997: During a 24 hour test (constant rate) the pumping level after one hour with discharge rate of 30 gallons per minute was 294 feet below the top of the well casing. This resulted in a 101 feet of draw down. The pumping level was 305 feet below the top of the well casing after 24 hours of pumping. This resulted in 112 feet of draw down. Well recovery was rapid (100 feet in 30 minutes) and trends were similar to the draw down.
12. Specific capacity of the well is 0.27 gallon per minute per foot of draw down (30 gallons per minute / 112 feet draw down).

13. The maximum sustainable production possible from the well is approximately 40 gallons per minute (based on the specific capacity, static water level and pump setting).
14. The radius of the cone of depression is 200 to 300 feet after 4 hours of pumping. Any additional wells should be located twice that distance from the HPOA well to minimize interference between the wells.

2. 2. Water Delivery. The HPOA examined the Association water delivery system and we have found:

- Water storage is two 5,000 gallon small tanks and one 40,000 gallon large tank:
- Water delivery varies from 3 to 1 inch main lines for the 36 potential users in the Harmon's First Addition and a 6 inch line for the 50 potential users in the Second Addition.
- Standard 4 inch fire hydrants are present in the Second addition but not the First. The small main line in the First Addition will not support a standard 4 inch fire hydrant.

3. Data for the Plan. HPOA gathered or located data to build this water development plan.

- We completed a telephone survey of the Harmon Property Owners. IDWR previewed a draft of the survey and indicated that we should proceed. We contacted 72 of the 86 lot owners (84%). The telephone survey identified the current lot owners, their water use and future plans. From the survey we prepared Graphs 1 & 2.
- We conducted a walk through lot by lot inventory and independently determined the building improvements, presence of water fixtures and water use potential. The inventory was used to verify the Survey and HPOA records. The walk through inventory counted 43 current water users.
- We requested the HPOA records for water hook - up and water use fees paid by the Association members. HPOA records verified the walk through inventory and allowed the Survey base level to be adjusted to 86 lots.
- We gathered historic and future population growth projections from Idaho Power Co., the US Forest Service Interior Columbia Ecosystem Analysis Project and the University of Idaho Small Business Development Center. Since all population growth projections were similar, we decided to use Kootenai County population growth rate projections from Idaho Power as provided by Dr. Hank Robison from the University of Idaho. We updated their projections with Idaho

Department of Commerce records. Idaho Power is projecting future population expansion of Kootenai County at 2.25% per year (Graph 3.).

- We requested records from the Coeur d' Alene Tribe but none have been forthcoming. We examined records from Panhandle Area Development Council but their records were from the 1990 census and are not current. We called and visited Kootenai County Building and Planning Departments and collected pertinent records. Building projections for local areas were not available.
- We contacted First Security Bank and they agreed to provide us the "Idaho Construction Report" by Dr. Kelly Matthews. It contains a yearly summary for the building activity in Kootenai County. We summarized the annual reports from 1975 to 1996 and regressed the line of best fit (Graph 4).
- We provided IDWR a progress report with these data and requested to proceed on November 19th, 1997. Bob Haynes said he sent the progress report to Boise for further review. He thought we should proceed with the plan and that we did not need additional data at this time.

4. Results. The data inquiry, survey and future projections suggest the following conclusions:

- Our results show that the HPOA has a future growth rate of 1.22 house per year and a 2.88 persons per year population increase. (See attached graphs with unadjusted data from our survey, Graph, 1 & 2). Kootenai County population growth is 2.25% per year. The HPOA population growth(2.88% per year) is about the same as Kootenai County.
- The regression projections for the population growth rate for Kootenai County suggest 2,036.60 (Graph, 3) additional people per year and the best fit regression for building growth rate is 486.59 building units per year (Graph, 4). Since the structure of the regressions are the same for HPOA and Kootenai County, a simple comparison of the ratio of population growth to building units is possible and meaningful. This computation suggests that 79% more building units (houses) per population unit growth occur in HPOA as compared to the County as a whole.

ratio:	Population / building units
Kootenai County	= 2036.60 / 486.59 = 4.19
HPOA	= 2.88 / 1.23 = 2.34
Kootenai County / HPOA = 1.79	

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- HPOA has 86 Lots in the Association and provides water to at least one non Association owner. When completely developed, the current well and pump will supply only 418 (36,000 gallons per day / 86 potential households) gallons per day per lot. That is, for a single one inch gate valve that is completely open, each lot will have about 55 minutes of free flowing water per day (418 gallons per day / 7.5 gallons per minute). We measured a kitchen fixture and the water flow was about 2 gallons per minute (3.4 hours of water per lot per day). A water conservation efforts and an irrigation plan will be needed in the future. This may be enough water for domestic use and conservative irrigation but the data also suggest that HPOA may need an additional well sometime in the future.

5. The Plan. Idaho code 42 - 202 provides for municipal water authorities and associations to reserve water for reasonably planned future needs. The law states that a water development plan must be written and approved. The plan must contain future needs and a reasonable time horizon.

The data presented in this water development plan shows that HPOA has reasonable anticipated need for future water. The data also demonstrate the need for a 35 year planning horizon. We currently have 26 homes (43 association water users). These homes require domestic water and 66% also require water for irrigation. For the year 2032 (1997 + 35 years), we project 43 additional homes for a total of 69 houses. This is 80% of the potential lots that could be developed. The remaining 20% (17 lots) should have time either to be sold or to be improved. And within this planning horizon future lot owners will have time to determine their water needs.

We request that the number of water rights granted be extended to all 86 lots in the Harmon First and Second additions. HPOA Conveyance states that water can not be obtained from any other source than from Association water. We have only one working water source and the underlying aquifer. The well is marginal for the 86 lots and will with it current pump only supply 418 gallons per lot per day per household when all the lots are developed. If we pump the maximum capacity of the well (40 gallons per minute), then we could supply 662 gallons per day per house hold. We were told that IDWR uses 1,000 gallons a day per household and DEQ uses 800 to 1200 gallons per day in their water development planning. We are about half of that. Any change in the well characteristics or in available water from the aquifer could adversely impact our only water supply.

Obviously, the HPOA must provide water for all 86 lots in the Harmon First and Second Additions. We do not have the water to extend membership to additional developments, associations, or to even additional lots. Therefore, under this plan,

the 86 lots in HPOA will be the final and total number of lots (parcels) requesting water rights under the HPOA.

Our owners naively assumed that because they have water to their lots and homes that they must also have water rights. We know now that this assumption was wrong. Thus, we prepared this plan so IDWR can protect the water for use by the current and future property owners in the HPOA, especially, for owners who do not currently have water rights. Idaho code 42 - 202 is good legislation and it is designed to help communities such as ours.

6. Plan Approval: This plan was approved by:

The Harmon Property Owner Association, President, Betty J. Neuenschwander.

Signature: Betty Neuenschwander Date: 2/25/98

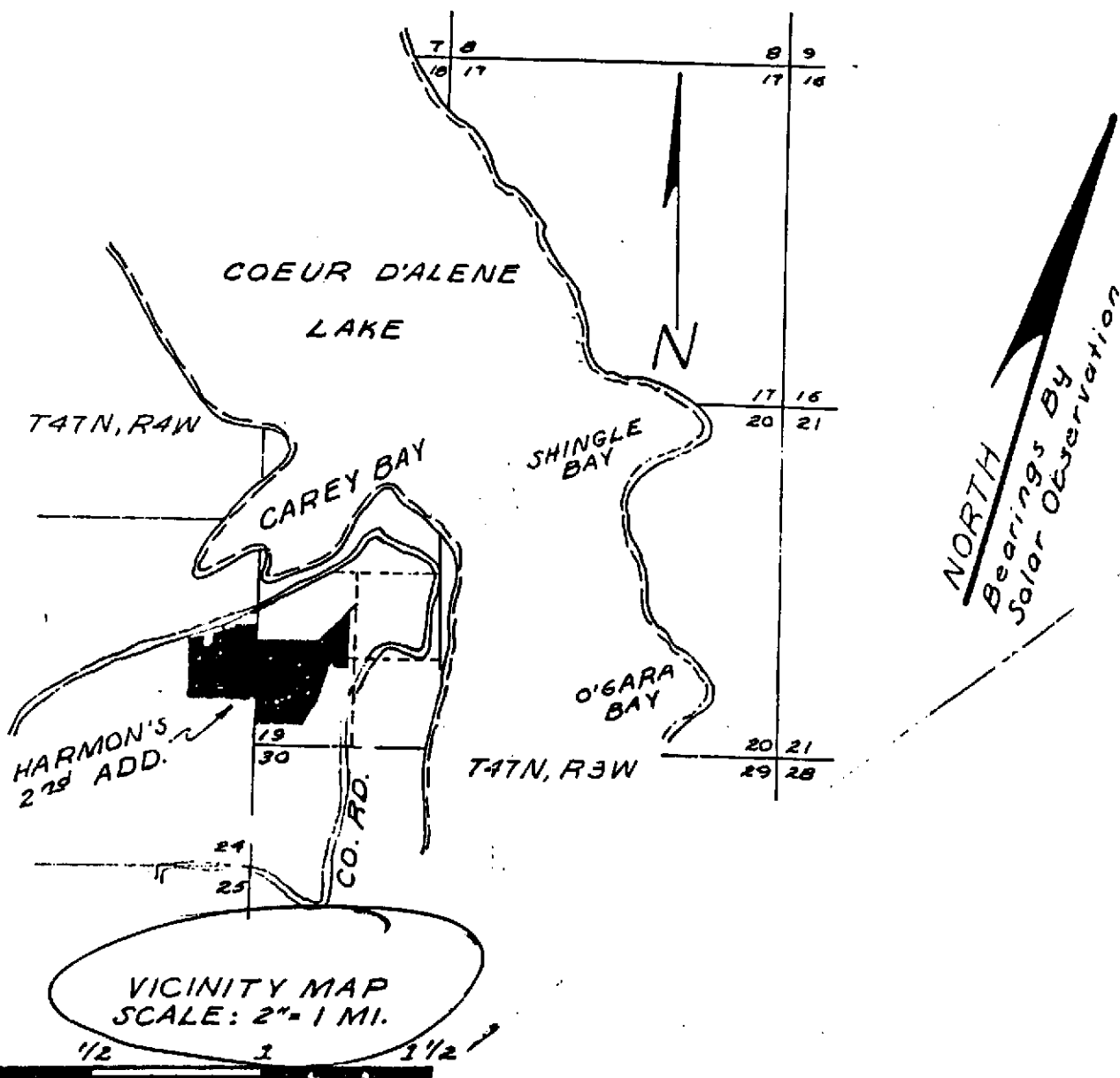
The Idaho Department of Water Resources, Regional Director, Robert Haynes.

Signature: _____ Date: _____

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HARMON'S SECOND ADDITION

PART OF GOV'T. LOTS 3 & 4, SEC. 19, T47N
R3W & NE 1/4, SEC. 24, T47N, R4W
KOOTENAI COUNTY, IDAHO

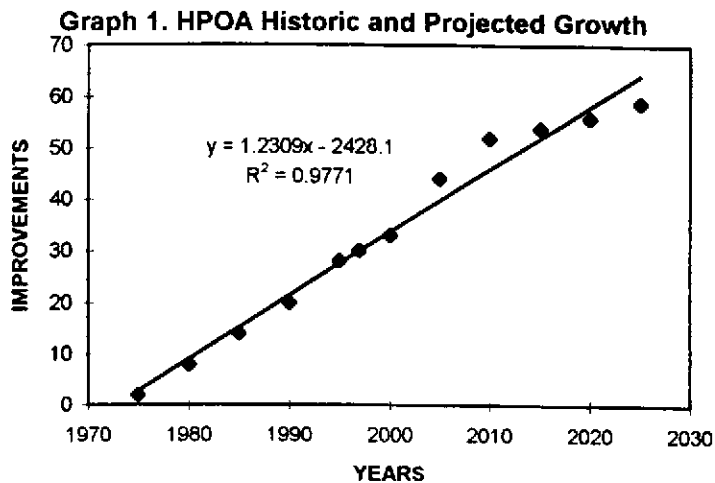


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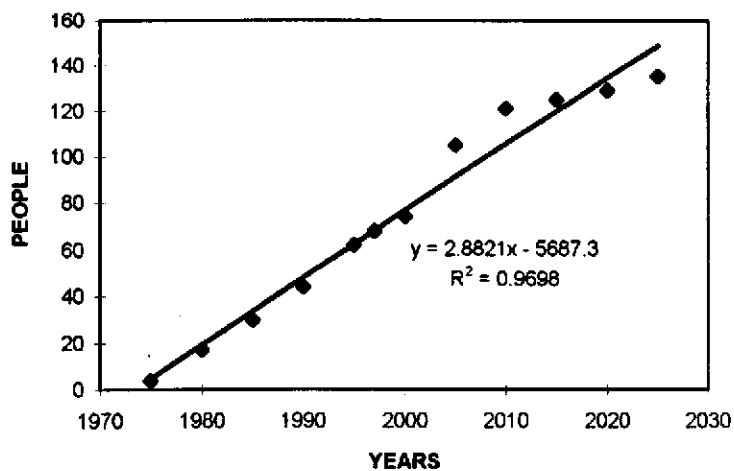
W.B.M. 47NO4W-24-



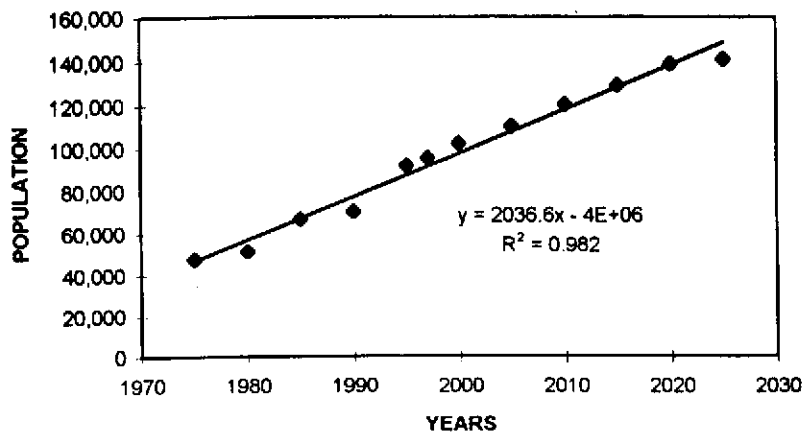
MICROFILMED
APR 15 1993



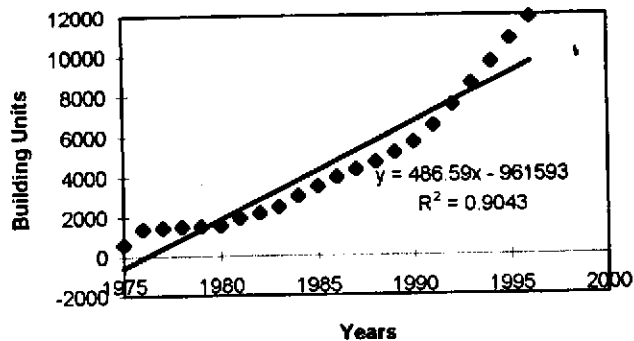
Graph 2. HPOA Future Resident Projections



Graph 3. Idaho Power Population Estimates for Kootenai County



Graph 4. Building Units in Kootenai County



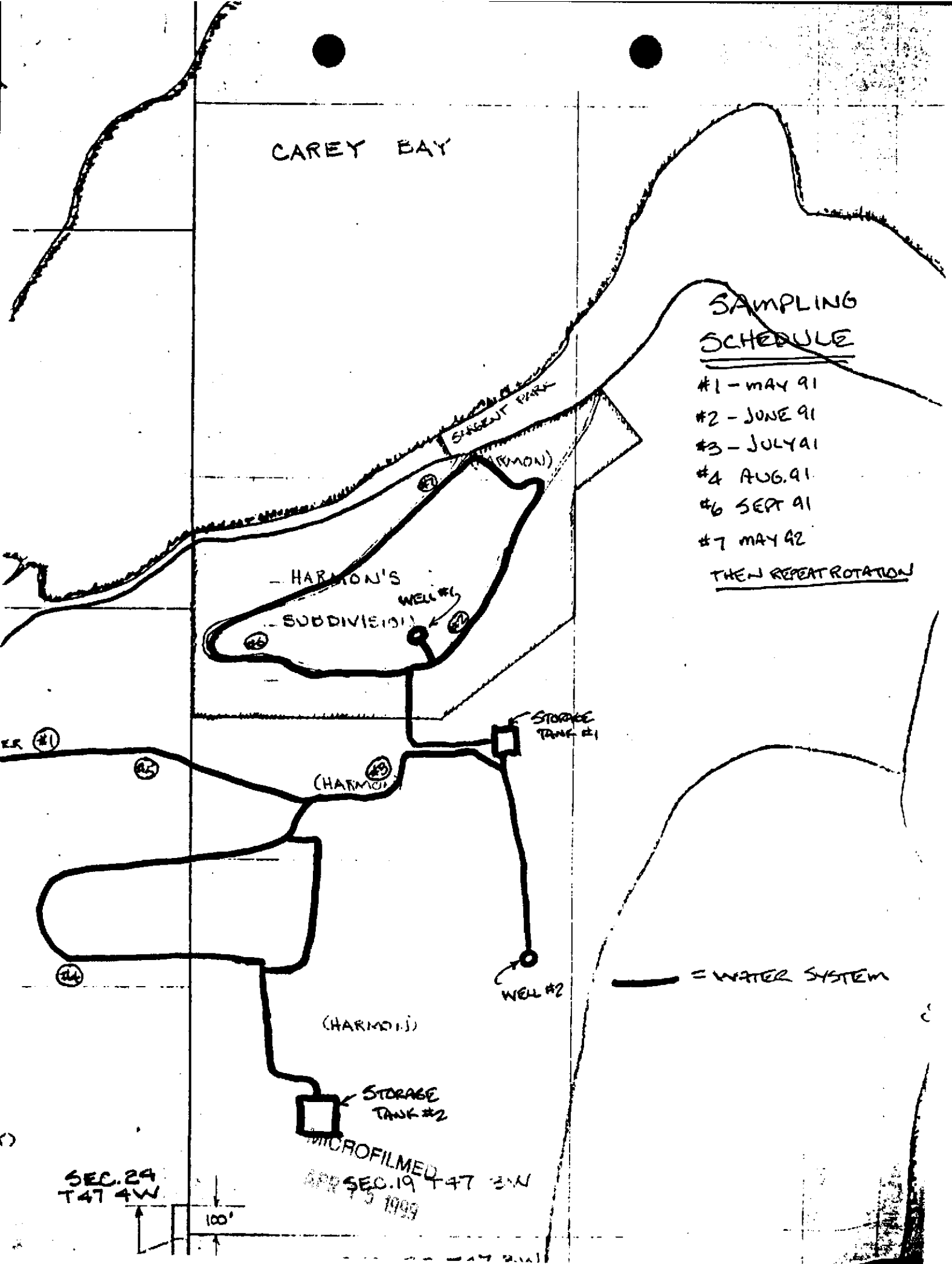
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CAREY BAY

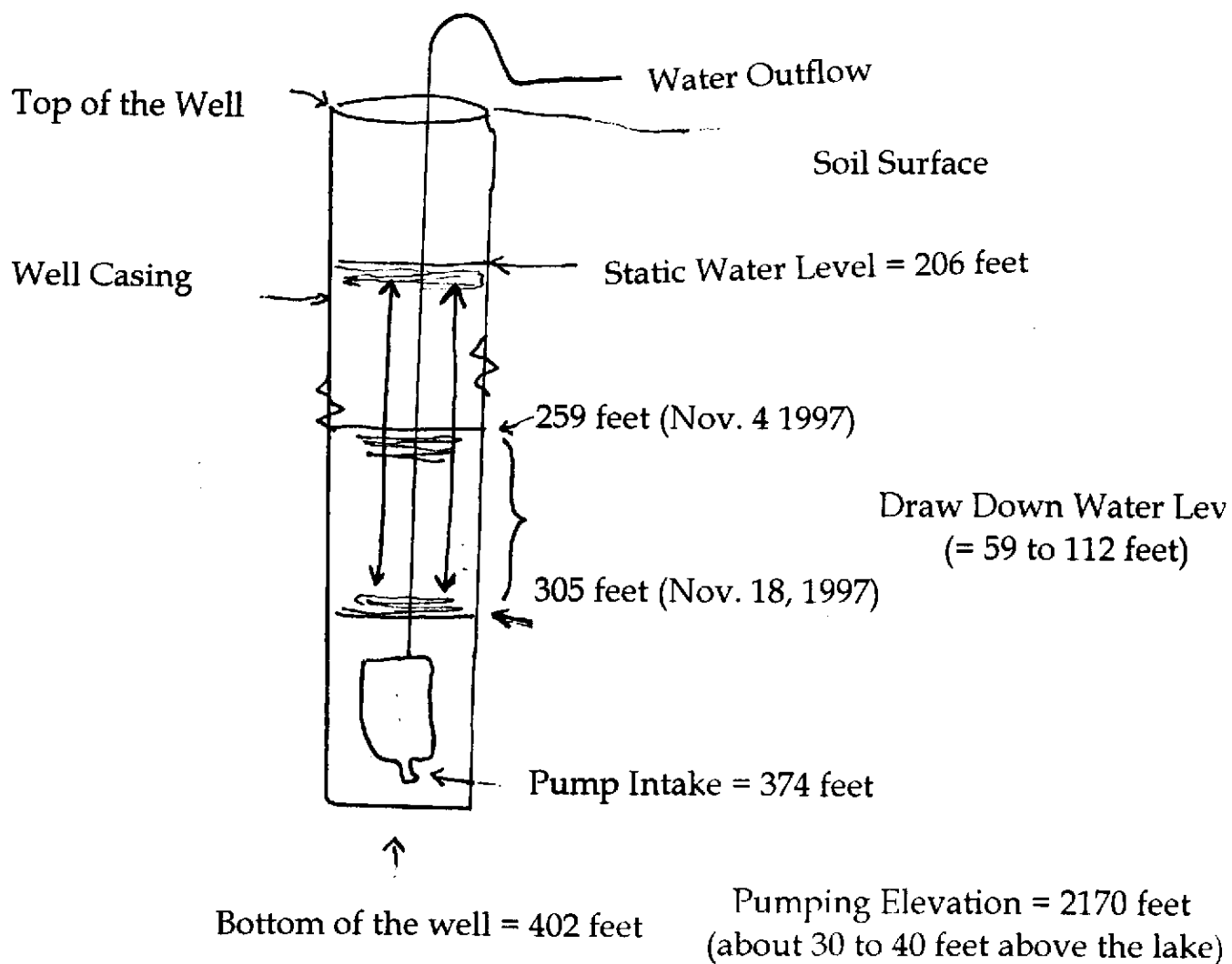
SAMPLING SCHEDULE

- #1 - MAY 91
- #2 - JUNE 91
- #3 - JULY 91
- #4 AUG. 91
- #6 SEPT 91
- #7 MAY 92

THEN REPEAT ROTATION



Harmon Association Well



Pump = 25 gallons per minute
Maximum Capacity = 40 gallons per minute
Blow Test = 50 gallons per minute
Cone of Depression (= 200 to 300 feet)

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Harmon Assn.

November 4, 1997

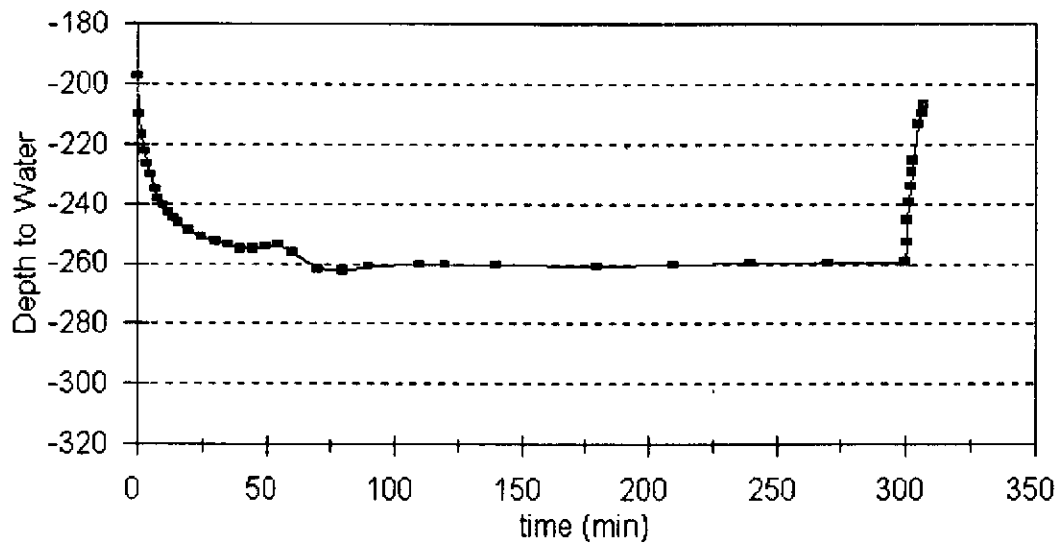


Figure 1. Pumping Level and Recovery, Harmon Property Owners Association, Test 1.

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Harmon Assn.

November 18, 1997

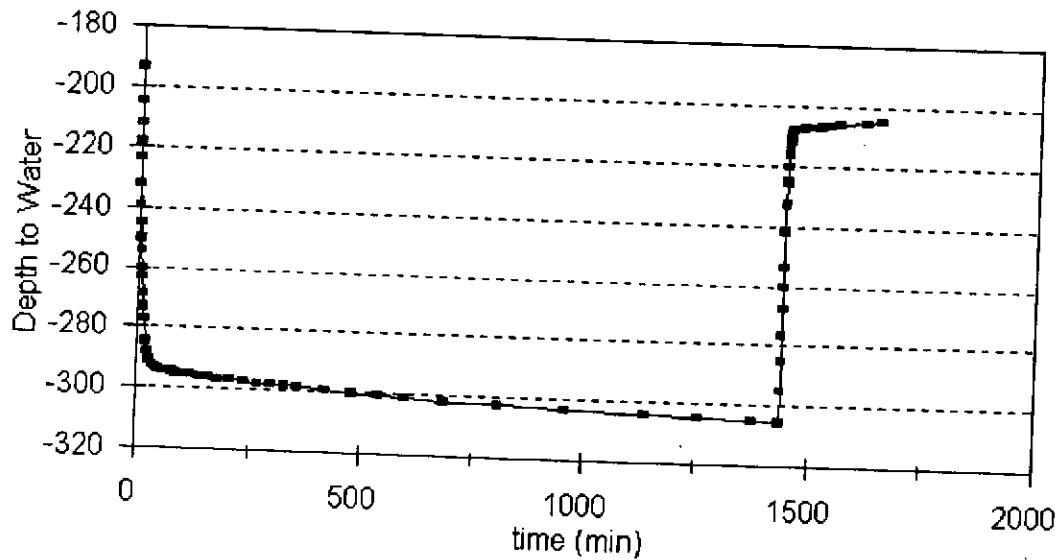


Figure 2. Pumping Level and Recovery, Harmon Property Owners Association, Test 2.

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Harmon Assn.

November 18, 1997

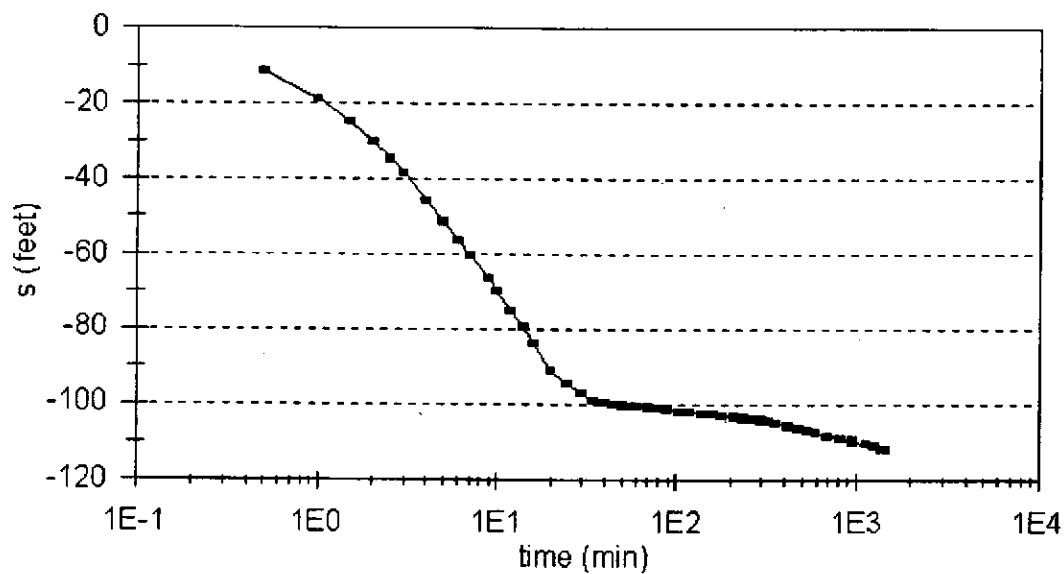
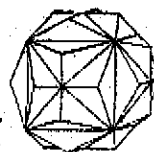


Figure 3. Drawdown versus log time, Harmon Property Owners Association, Test 2.

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John A. Riley
Consulting
Hydrogeologist



MEMORANDUM

Date: February 20, 1998

To: Betty Neuenschwander, Harmon Property Owners Assn.

From: John A. Riley, Hydrogeologist

Subject: Corrections to Water Development Plan

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FEB 26 1998
NORTHERN REGION
IDWR

I have reviewed the December, 1997 draft of the above mentioned document. I suggest making the following changes to Section 2.1 Well:

1. John Riley is a hydrogeologist, not a water engineer.
2. A full report will be prepared by February 25, 1998.
3. (#2.) **Change to read:** Estimated yield of the pump is approximately 25 gallons per minute, based on the pump curve and estimated total dynamic head. This results in an approximate daily yield of 36,000 gallons.
4. (#8.) **Change to read:** Oct. 29th, 1997: Pumping level was 319 feet below the top of the casing.
5. (#9) **Change to read:** Nov. 4th, 1997: During a 5 hour, constant rate test, pumping level was 259 feet below the top of the casing after one hour, at a discharge rate of 23 gallons per minute. This results in 59 feet of drawdown.
6. (#10) **Change to read:** Nov. 18th, 1997: During a 24 hour, constant rate test, pumping level was 294 feet below the top of the casing after one hour, at a discharge rate of 30 gallons per minute. This results in 101 feet of drawdown. The pumping level was 305 feet below the top of the casing after 24 hours. This results in 112 feet of drawdown. Well recovery (as is).
7. (#11.) **Change to read:** Specific capacity of the well is 0.27 gallons per minute per foot of drawdown (30 gallons per minute / 112 feet of drawdown).
8. (#12.) **Change to read:** The maximum production possible from the well is approximately 40 gallons per minute, based on the specific capacity, static water level and pump setting.
9. (#13.) **Change to read:** The radius of the cone of depression is between 200 and 300 feet after 4 hours of pumping. Any additional wells should be located twice that distance from the HPOA well to minimize interference between the wells.

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My forthcoming report will provide additional calculations as support for these results. The values may change slightly, but the above values are not misleading or false.

If you have any questions or comments, please contact me at 208.773.5223. FAX number is the same, via automatic switching device.

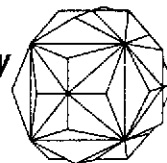
John A Riley

MICROFILMED

APR 15 1998



John A. Riley
Consulting
Hydrogeologist



February 24, 1998

Ms. Betty J. Neuenschwander
Harmon Property Owners Association
1437 Pine Cone Road
Moscow, ID 83843

RECEIVED

MAR 10 1998

NORTHERN REGION
IDWR

Dear Betty,

The purpose of this letter report is to document the results of two constant rate aquifer tests that I performed for Harmon Property Owners Association (HPOA). I performed the tests to determine the production characteristics of your existing well, and to determine aquifer characteristics so that prediction of response of your well and other wells would be possible.

The well I tested was drilled by United Drilling, Inc. in 1982, under Owner's Permit # 95-82-N-32. The elevation of the top of the casing is approximately 2475 feet MSL. The total depth of the well is 402 feet below ground surface. It penetrated alternating layers of basalt and alluvium to a depth of 156 feet, after which it penetrated only basalt. The well is cased to a depth of 235 feet, below which the hole is uncased. The driller's report estimates a discharge rate of 50 gallons per minute, based on an air lift test of unspecified duration. Currently, the pump is a 5 h.p. Grundfos Model 25S with the intake at 374 feet, according to an invoice from R.C. Worst.

The first test occurred on November 4, 1997. The pumping rate was a constant 23 gpm for 5 hours. Expected drawdown response took place for the first 35 minutes. At that time, the rate of drawdown slowed substantially, indicating a change in aquifer characteristics or a positive hydraulic boundary. At the end of 5 hours, only minimal additional drawdown had occurred.

I recommended performing another constant rate pumping test of longer duration to determine if expected drawdown would resume. This would evaluate whether the unexpected response was transitory or longer-lasting. The second test occurred on November 18, 1997. The pumping rate was a constant 30 gpm for 24 hours. Again, expected drawdown response took place for the first 35 minutes. At that time, the rate of drawdown slowed substantially, indicating a change in aquifer characteristics or a positive hydraulic boundary. At the end of 24 hours, only minimal additional drawdown had occurred.

I measured recovery of water level in the well after I turned off the pump at the end of each test. During the first test (November 4), I was able to measure recovery for only 7 minutes. At that time the sounder got stuck in the well and destroyed. During the second test I measured recovery for 210 minutes. The recovery response was very similar to drawdown. Rapid recovery took place for the first 25 minutes, followed by minimal recovery thereafter.

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Drawdown and recovery data for the tests are presented in Tables 1 and 2. The response for each test is presented graphically in Figures 1 and 2. Rapid drawdown takes place for the first 35 minutes of each test. Thereafter, the rate of drawdown reduces significantly. For example, during the second test, 100 feet of drawdown took place during the first hour of pumping. Only 12 feet of drawdown took place during the remaining 23 hours of pumping.

Changing the pumping rate from 23 gpm to 30 gpm resulted in an increase in drawdown of 50 feet. This illustrates the limited additional pumping capacity that could be expected from this well. Pumping 30 gpm resulted in the water level being 70 feet above the pump intake. An additional 7 to 10 gpm is approximately the maximum capacity available, because of the need to maintain 10 to 20 feet of water above the pump intake.

The response during both tests are similar. Therefore, my discussion of results will concentrate on the 24 hour test. I will present selected calculations for both tests, for comparison purposes.

The theoretical response of a confined aquifer being pumped a constant rate is to plot a straight line on a graph of drawdown versus the log of time. Figure 3 presents drawdown versus log of time for HPOA well. The data from the first 35 minutes of pumping plot on a relatively straight line. Then the slope of the line decreases dramatically.

At least three possibilities exist that would explain this response:

1. The hydraulic characteristics of the confined aquifer change,
2. The aquifer goes from confined to unconfined conditions, or
3. The cone of depression expands and contacts a positive hydraulic boundary - such as Coeur d'Alene Lake.

The elevation of the water in the well at maximum drawdown was 2165 feet MSL. The elevation of Lake Coeur d'Alene is 2125 feet MSL according to the Harrison, Idaho 7-1/2 minute USGS topographic map. The water elevation in the well is approximately 40 feet higher than the lake elevation. It is unlikely that the response of the well is being influenced by the constant head boundary represented by the lake.

The response well during drawdown could be the result of the aquifer going from confined to unconfined conditions. If this were the case, then the predicted response during recovery would be very slow recovery followed by rapid recovery once the cone of depression was back in the confined system. The actual response during recovery was exactly the opposite. Therefore, it is unlikely that this system is going from confined to unconfined conditions.

The third possibility that would explain the observed response is that the hydraulic properties of the aquifer change at some distance from the well. Although basalt lava flows can cover hundreds of square miles, they are not necessarily uniform throughout. The productive zones in basalt aquifers are the interflow zones that develop at the contact of two flows. When molten lava flows over cool material, the molten lava cools extremely rapidly, resulting in the formation of frothy glass-like material. This forms the conduits through which water flows. It is likely that some

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APR 15 1999

change in the characteristics in the interflow zone is responsible for the non-ideal hydraulic response of the HPOA well.

Aquifer transmissivity refers to the ease with which water flows through the matrix. It is defined as the product of the aquifer hydraulic conductivity and thickness. The transmissivity is determined based on the aquifer response during a constant rate pumping test. The early time data on Figure 3 form a line with a slope of 63 feet per log cycle of time. Based on the pumping rate and slope, the transmissivity is 17 feet²/day. This value agrees reasonably well with a transmissivity of 27 feet²/day determined from the first test. Both these values are fairly low for basalt aquifers.

Storativity cannot be determined from a single well pumping test. Observation wells that are completed in the same aquifer at some distance from the pumping well must be used to determine storativity. Typical storativity values for basalt aquifers are in the range of 10^{-3} to 10^{-4} . This is based on testing in the Moscow-Pullman area, the Hanford Reservation, and the Central Basin of Washington.

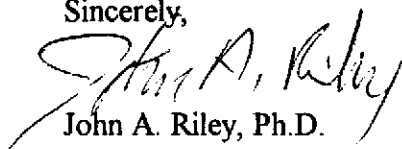
Specific capacity of a well is indicative of the probable production of the well. It is simply the amount of water that the well produces per foot of drawdown. It is calculated by dividing the pumping rate by the amount of drawdown that takes place at a given time interval. A time interval must be specified, because drawdown continues as long as the well is pumped. The specific capacity at 4 hours during the first test was 0.37 gpm/ft. The specific capacity at 4 hours during the second test was 0.29 gpm/ft. The specific capacity at 24 hours during the second test was 0.27 gpm/ft.

The maximum production rate possible from this well is approximately 40 gpm. This is based on the observed static water level, pump setting and specific capacity of 0.27 gpm/ft.

The radius of the cone of depression at a given time can be calculated from aquifer transmissivity and storativity. Using the transmissivity from the second test, and a storativity of 10^{-4} , the radius of the cone of depression would be 250 feet after 4 hours of pumping. Any wells that are drilled by the association or others should be at least twice that distance from the existing well to prevent undesirable drawdown interference between the wells.

This summarizes the results of the constant rate aquifer tests that I performed during November, 1997. If you have any questions or comments, please call or fax me at 208-773-5223.

Sincerely,



John A. Riley, Ph.D.
Hydrogeologist

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APR 15 1998

Table 1. Drawdown and Recovery, Harmon Property Owners Association, Test 1.

AQUIFER TEST DATA

COUNTY, STATE Kootenai, ID
 LOCATION Harmon Assn.
 DATE 11/04/97

PUMPED WELL 1982
 OBSERVATION WELL 1982
 STATIC WATER LEVEL 197.39 NOTE:
 AVERAGE Q 23
 RADIUS

DATE	HOUR	t (min)	t' (min)	t/t'	DTW (feet)	s (feet)	adj (feet)	s (adj) (feet)	Q (gpm)
11/04/97	10:00 AM	0			197.39	0			23.07692
		1			210	12.61			23.07692
		2			216.7	19.31			23.07692
		3			222.6	25.21			23.07692
		4			226.7	29.31			23.07692
		5			230.14	32.75			23.07692
		7			235.28	37.89			23.07692
		8			238.39	41			23.07692
		10			240.86	43.47			23.07692
		12			243.26	45.87			23.07692
		14			245.06	47.67			23.07692
		16			246.39	49			23.07692
		20			248.89	51.5			23.07692
		25			250.91	53.52			23.07692
		30			252.61	55.22			23.07692
		35			253.48	56.09			23.07692
		40			254.9	57.51			25
		45			255.04	57.65			23.07692
		50			254.11	56.72			21.42857
		55			253.61	56.22			21.42857
		60			256.22	58.83			23.07692
		70			261.61	64.22			23.07692
		80			262.29	64.9			23.07692
		90			260.9	63.51			23.07692
		110			260.26	62.87			23.07692
		120			260.33	62.94			23.07692
		140			260.27	62.88			23.07692
		180			260.71	63.32			25
		210			260.11	62.72			23.07692
		240			259.47	62.08			23.07692
		270			259.58	62.19			23.07692
		300			259.33	61.94			23.07692
		300.5	0.5	601	253.05	55.66			
		301	1	301	245.22	47.83			
		301.5	1.5	201	239.54	42.15			
		302	2	151	234.11	36.72			
		302.5	2.5	121	229.46	32.07			
		303	3	101	225.25	27.86			
		305	5	61	213.14	15.75			
		306	6	51	209.45	12.06			
		307	7	43.85714	206.91	9.52			

NOTE: DTW has been corrected for 5 feet that is cut out of
 sounder from 198 to 203 feet.

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 APR 15 1995

Table 2. Drawdown and Recovery, Harmon Property Owners Association, Test 2.

AQUIFER TEST DATA																	
COUNTY, STATE	Kootenai, ID																
LOCATION	Harmon Assn.																
DATE	11/18/97																
PUMPED WELL	1982																
OBSERVATION WELL	1982																
STATIC WATER LEVEL	193.49																
AVERAGE Q	30																
RADIUS																	
Well Elevation is between 2450 and 2500 feet MSL (?), according to Id. DEQ map on file.																	
Lake elevation is 2125 feet MSL according to USGS 7 1/2 min topo map.																	
DATE	HOUR	t (min)	t' (min)	vt (ft)	DTW (feet)	s (feet)	adj (feet)	s (adj) (feet)	Q (gpm)	s/Q	splot	dthwplot	s/Qplot	s-s'	s-s'plot	Elevation	
12/18/97	10:00 AM	420			299.19	105.7			30	3.523333	-105.7	-299.19	-3.52333			2170.81	
		480			299.99	106.5			30	3.55	-106.5	-299.99	-3.55			2170.01	
		540			300.54	107.05			30	3.568333	-107.05	-300.54	-3.56833			2169.46	
		600			301.05	107.56			30	3.585333	-107.56	-301.05	-3.58533			2168.95	
		690			301.93	108.44			30	3.614667	-108.44	-301.93	-3.61467			2168.07	
		810			302.41	108.92			30	3.630667	-108.92	-302.41	-3.63067			2167.56	
		960			303.23	109.74			30	3.658	-109.74	-303.23	-3.658			2166.77	
		1140			303.98	110.49			30	3.683	-110.49	-303.98	-3.683			2166.02	
		1260			304.38	110.89			30	3.696333	-110.89	-304.38	-3.69633			2165.62	
		1380			305.37	111.88			30	3.729333	-111.88	-305.37	-3.72933			2164.63	
		1440			305.49	112			30	3.733333	-112	-305.49	-3.73333			2164.51	
		1440.5	0.5	2881	295	101.51	0.0025	10.4925				-101.51	-295		0	-10.4925	2175
		1441	1	1441	285.2	91.71	0.005	20.295				-91.71	-285.2		0	-20.295	2184.6
		1441.5	1.5	961	276.35	82.86	0.0075	29.1475				-82.86	-276.35		0	-29.1475	2193.66
		1442	2	721	267.3	73.81	0.01	38.2				-73.81	-267.3		0	-38.2	2202.7
		1442.5	2.5	577	260.24	66.75	0.0125	45.2625				-66.75	-260.24		0	-45.2625	2209.76
		1443	3	481	253.58	60.09	0.015	51.925				-60.09	-253.58		0	-51.925	2216.42
		1444	4	361	241.67	48.18	0.02	63.84				-48.18	-241.67		0	-63.84	2228.33
		1445	5	289	232.38	38.89	0.025	73.135				-38.89	-232.38		0	-73.135	2237.62
		1446	6	241	225.21	31.72	0.03	80.31				-31.72	-225.21		0	-80.31	2244.79
		1447	7	206.7143	219.95	26.46	0.035	85.575				-26.46	-219.95		0	-85.575	2250.05
		1448	8	181	216.21	22.72	0.04	89.32				-22.72	-216.21		0	-89.32	2253.79
		1449	9	161	213.61	20.12	0.045	91.925				-20.12	-213.61		0	-91.925	2256.39
		1450	10	145	211.95	18.46	0.05	93.59				-18.46	-211.95		0	-93.59	2258.05
		1451	11	131.9091	210.72	17.23	0.055	94.825				-17.23	-210.72		0	-94.825	2259.28
		1452	12	121	209.84	16.35	0.06	95.71				-16.35	-209.84		0	-95.71	2260.18
		1453	13	111.7692	209.17	15.68	0.065	96.385				-15.68	-209.17		0	-96.385	2260.83
		1455	15	97	208.47	14.98	0.075	97.095				-14.98	-208.47		0	-97.095	2261.53
		1460	20	73	208.02	14.53	0.1	97.57				-14.53	-208.02		0	-97.57	2261.98
		1465	25	58.6	207.86	14.37	0.125	97.755				-14.37	-207.86		0	-97.755	2262.14
		1470	30	49	207.74	14.25	0.15	97.9				-14.25	-207.74		0	-97.9	2262.26
		1480	40	37	207.49	14	0.2	98.2				-14	-207.49		0	-98.2	2262.51
		1490	50	29.8	207.29	13.8	0.25	98.45				-13.8	-207.29		0	-98.45	2262.71
		1500	60	25	207.12	13.63	0.3	98.67				-13.63	-207.12		0	-98.67	2262.88
		1520	80	19	206.75	13.26	0.4	99.14				-13.26	-206.75		0	-99.14	2263.25
		1540	100	15.4	206.41	12.92	0.5	99.58				-12.92	-206.41		0	-99.58	2263.55
		1560	120	13	206.09	12.6	0.6	100				-12.6	-206.09		0	-100	2263.91
		1620	180	9	205.28	11.79	0.9	101.11				-11.79	-205.28		0	-101.11	2264.72
		1650	210	7.857143	204.92	11.43	1.05	101.62				-11.43	-204.92		0	-101.62	2265.08

MICROFILMED

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AQUIFER TEST DATA	
COUNTY, STATE	Kootenai, ID
LOCATION	Harmon Assn.
DATE	11/18/97
PUMPED WELL	1982
OBSERVATION WELL	1982
STATIC WATER LEVEL	193.49
AVERAGE Q	30

Lake elevation is 2125 feet MSL according to USGS 7 1/2 min topo map

DATE	HOUR	t	t'	DTW	s	adj	s (adj)	Q	s/Q	splot	dtwplot	s/Qplot	s-s	s-s-plot	Elevation
11/18/97	10:00 AM	(min)	(min)	(feet)	(feet)	(feet)	(feet)	(gpm)							
		0	0	193.49	0			30	0	0	-193.49	0			2276.51
		0.5	1.41	204.9	11.41			30	0.380333	-11.41	-204.9	-0.380333			2265.1
		1	212.23	218.74	18.74			30	0.624667	-18.74	-212.23	-0.62467			2257.77
		1.5	218.29	24.8	24.8			30	0.826667	-24.8	-218.29	-0.82667			2251.71
		2	223.54	30.05	30.05			30	1.001667	-30.05	-223.54	-1.00167			2246.46
		2.5	228.19	34.7	34.7			30	1.156667	-34.7	-232.08	-1.15667			2241.81
		3	232.08	38.59	38.59			30	1.286333	-38.59	-239.29	-1.28633			2237.92
		4	239.29	45.8	45.8			30	1.526667	-45.8	ERR	-1.52667			2230.71
		5	244.9	51.41	51.41			30	1.713667	-51.41	-244.9	-1.71367			2225.1
		6	250.11	56.62	56.62			30	1.887333	-56.62	-250.11	-1.88733			2219.89
		7	253.96	60.47	60.47			30	2.015667	-60.47	-253.96	-2.01567			2216.04
		9	260	66.51	66.51			30	2.217	-66.51	-260	-2.217			2210
		10	263.24	69.75	69.75			30	2.325	-69.75	-263.24	-2.325			2206.76
		12	268.8	75.31	75.31			30	2.510333	-75.31	-268.8	-2.51033			2201.2
		14	273.28	79.79	79.79			30	2.659667	-79.79	-273.28	-2.65967			2196.72
		16	277.46	83.97	83.97			30	2.789	-83.97	-277.46	-2.789			2192.54
		20	284.91	91.42	91.42			30	3.047333	-91.42	-284.91	-3.04733			2185.09
		25	288.26	94.77	94.77			30	3.159	-94.77	-288.26	-3.159			2181.74
		30	290.91	97.42	97.42			30	3.247333	-97.42	-290.91	-3.24733			2179.09
		35	292.47	98.98	98.98			30	3.299333	-98.98	-292.47	-3.29933			2177.53
		40	293.18	99.69	99.69			30	3.323	-99.69	-293.18	-3.323			2176.82
		45	293.6	100.11	100.11			30	3.337	-100.11	-293.6	-3.337			2176.4
		50	293.91	100.42	100.42			30	3.347333	-100.42	-293.91	-3.34733			2176.09
		55	294.08	100.59	100.59			30	3.353	-100.59	-294.08	-3.353			2175.98
		60	294.29	100.8	100.8			30	3.36	-100.8	-294.29	-3.36			2175.8
		70	294.39	100.9	100.9			30	3.363333	-100.9	-294.39	-3.36333			2175.61
		80	294.65	101.16	101.16			30	3.372	-101.16	-294.65	-3.372			2175.35
		90	295.07	101.58	101.58			30	3.386	-101.58	-295.07	-3.386			2174.93
		103	295.44	101.95	101.95			30	3.398333	-101.95	-295.44	-3.39833			2174.56
		110	295.61	102.12	102.12			30	3.404	-102.12	-295.61	-3.404			2174.39
		120	295.71	102.22	102.22			30	3.407333	-102.22	-295.71	-3.40733			2174.29
		140	295.99	102.5	102.5			30	3.416667	-102.5	-295.99	-3.41667			2174.01
		160	296.2	102.71	102.71			30	3.423667	-102.71	-296.2	-3.42367			2173.8
		180	296.56	103.09	103.09			30	3.436333	-103.09	-296.56	-3.43633			2173.42
		210	296.86	103.37	103.37			30	3.445667	-103.37	-296.86	-3.44567			2173.14
		240	297.35	103.86	103.86			30	3.462	-103.86	-297.35	-3.462			2172.65
		270	297.68	104.19	104.19			30	3.473	-104.19	-297.68	-3.473			2172.32
		300	297.79	104.3	104.3			30	3.476667	-104.3	-297.79	-3.47667			2172.21
		300	297.79	104.3	104.3			30	3.476667	-104.3	-297.79	-3.47667			2172.21
		330	298.19	104.7	104.7			30	3.49	-104.7	-298.19	-3.49			2171.81
		360	298.52	105.03	105.03			30	3.501	-105.03	-298.52	-3.501			2171.48

2176.82
2176.4
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2175.9
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