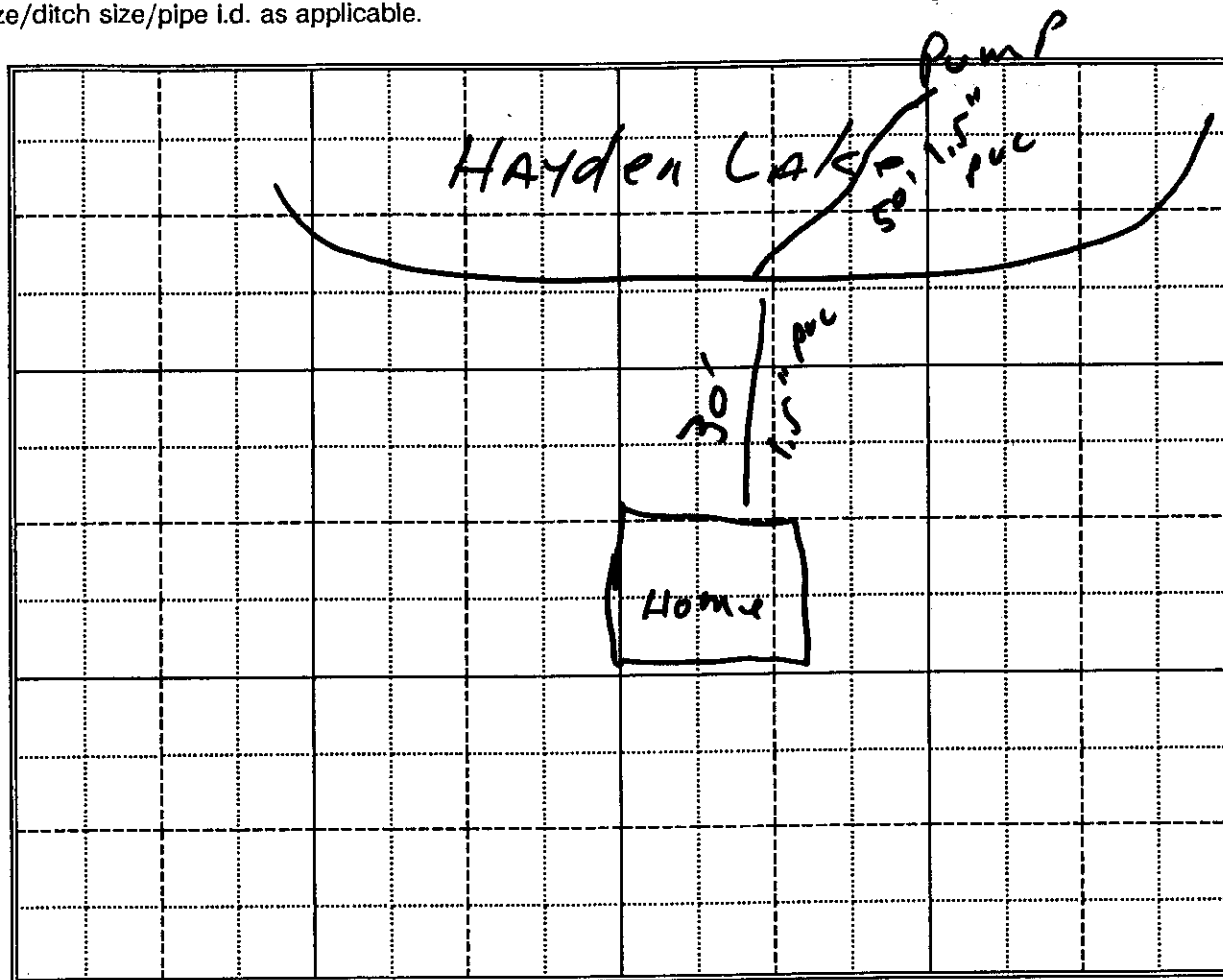


[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = _____

____ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

____ Aerial Photo Attached (required for irrigation of 10+ acres)

____ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Franklin	1	2801084915	Sub	1 1/2"

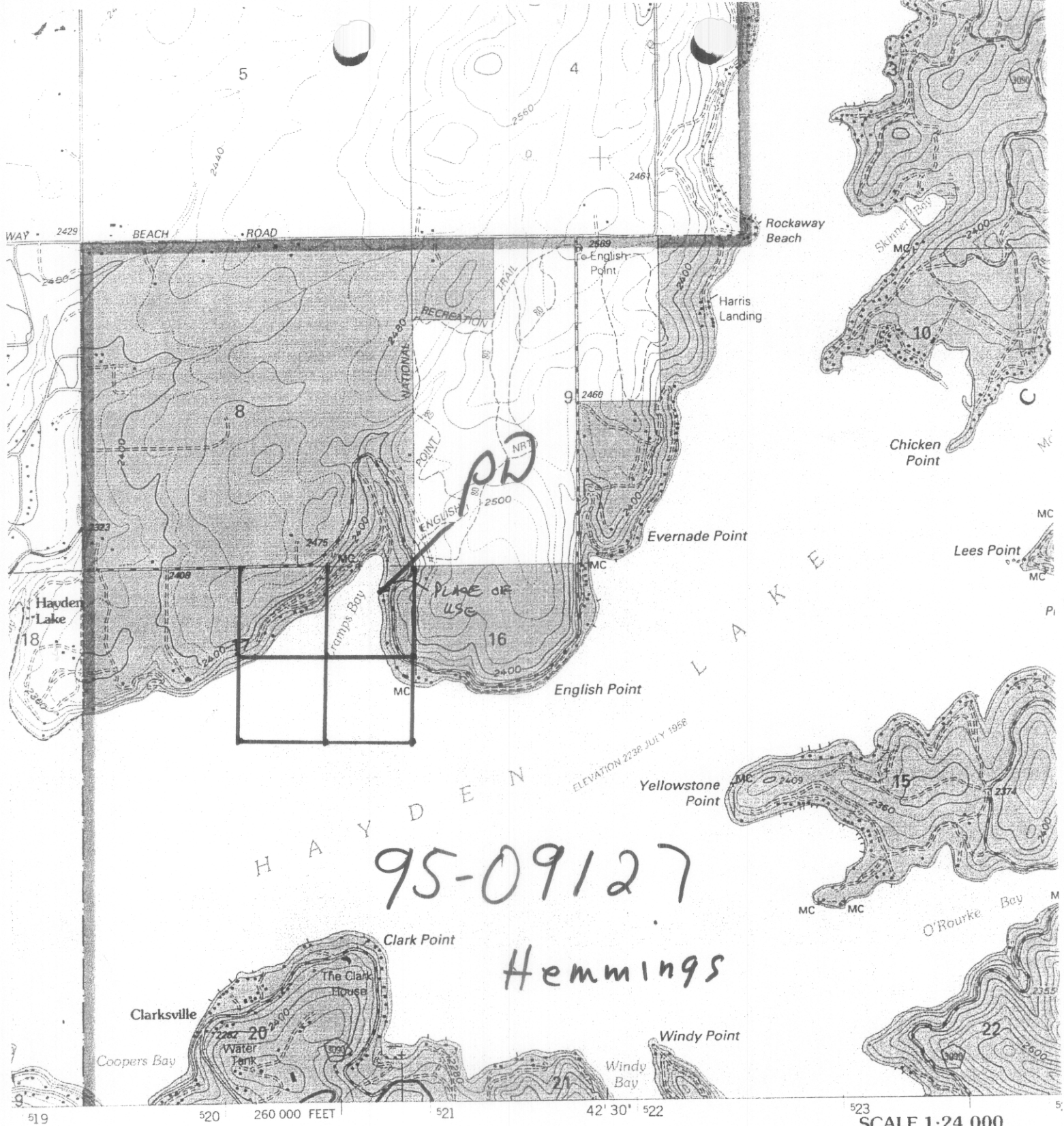
*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: _____



agery taken 1987
of 1996. Partial

id 10 000-foot ticks:

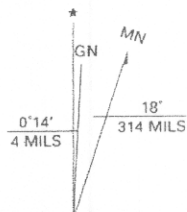
ne 11

shed corner ticks

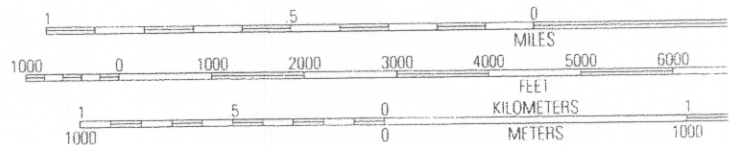
7.5-minute

by NADCON software

al Forest



UTM GRID AND 1997 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET



CONTOUR INTERVAL 40 FEET
SUPPLEMENTARY CONTOUR INTERVAL 20 FT
NATIONAL GEODETIC VERTICAL DATUM OF 1
TO CONVERT FEET TO METERS, MULTIPLY BY 0.30



PD



PV

95-09127

Hemmings

RECEIVED
SEP 11 2002
IDWR/North

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 95-09127

Priority: 04/03/2002

Maximum Diversion Rate: 0.04 CFS

This is to certify, that WILLIAM H HEMMINGS
416 S ALPINE DR
LIBERTY LAKE WA 99019

has applied for a permit to appropriate water from:

Source: HAYDEN LAKE

Tributary: SINKS

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>
DOMESTIC	01/01 to 12/31	0.04 CFS

LOCATION OF POINT(S) OF DIVERSION:

HAYDEN LAKE L1 NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 17, Twp 51N, Rge 03W, B.M. KOOTENAI County

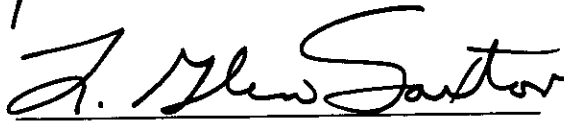
PLACE OF USE: DOMESTIC

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 03W 17	X																
	L1																

CONDITIONS OF APPROVAL

1. Proof of application of water to beneficial use shall be submitted on or before **September 1, 2004**.
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. Domestic use is for 1 home.

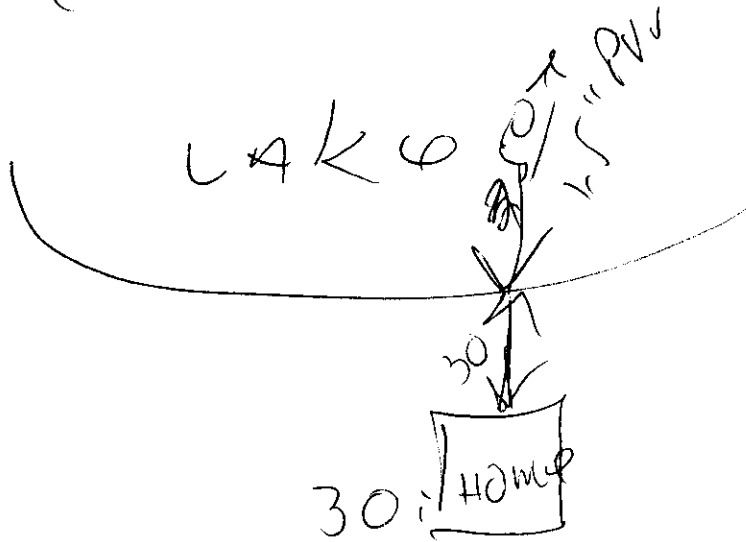
This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the signature of the Director, affixed at Boise, this 6th day of September, 2002


for KARL J DREHER, Director

45 Lancaster to English Point rd right
 2 mi 5876 mailbox post homes to
 fair Rayt Iron fence 10 AM Fri

Frank 1HP 280/0849/5-90

$$\frac{8.5(1)(.9)}{90 + (2131 \times 30)} = \frac{6.16}{159.3} \approx 10386.$$



$$\frac{18 \text{ gal}}{5 \text{ gal}} = \frac{60 \text{ sec}}{X} = \text{approx } 16 \text{ sec}$$

$$\frac{5 \text{ gal}}{X} = \frac{16 \text{ sec}}{60 \text{ sec}}$$

E. NARRATIVE/REMARKS/COMMENTS

With pressure tank bled off a 5 gal
bucket measurement was done. 0.9

The photos shown are correct, the number
in the photos are wrong, because I was
holding the wrong folder.

Have conditions of permit approval been met? ☒ yes ☐ no

F. FLOW CALCULATIONS

Measured Method:

Additional Computation Sheets Attached

5 gal bucket 5 gal in 16 sec = 18.75 gpm

$$\frac{18.75 \times 1.33681}{60} = .04 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<i>Domestic</i>	<i>01-01</i>	<i>12-31</i>	<i>.04</i>	<i>1.2</i>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			<i>.04</i>	<i>1.2</i>

2. Recommended Amendments

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

I. AUTHENTICATIONField Examiner's Name *Wayne Baldwin* Date *9-29-05*Reviewer *[Signature]* Date *10/4/05*

SEAL