

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 78-7368

Exam Date: 9/9/1998

1. Current Owner: BRUNDAGE MOUNTAIN CORP
PO BOX 1062
MC CALL ID 83638
(208)634-4152
2. Accompanied by: Rob McFadden
Phone No: 208-634-0400
Address: PO Box 1026, McCall, ID 83638-1026
Relationship to Permit Holder: Slope supervisor at Brundage Mountain

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 78-7286 (partial POU overlap)
2. Other water rights with the same point of diversion: 78-7286

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER NW1/4NE1/4 Sec. 12, Twp 19N, Rge 02E, B.M., ADAMS County

Method of Determination: 7.5' topo

2.

PLACE OF USE: COMMERCIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
19N	02E	12	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
				X															

Method of Determination: 7.5' topo

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

Well or DiversionID No.*Motor MakeHpMotor Serial No.Pump MakePump Serial No. or DischargeSizeFranklin Electric 10
Model 226 112 90

08-0142

Unknown

3" discharge line

(6" submersible pump)

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u>	<u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
		McCrometer Flowmeter			9484253		

2. Measurements:

Pump not on during exam so no measurement obtainable.

Pump runs at 55 gpm per 6/11/2017 consultant report

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

a) See above, 55 gpm = 0.12 cfs

b) HP equation: hp = 10, psi = 60 (?), z = 300 more or less (see well log, already scanned)

Also estimate with 40 (likely) & 80 psi (unlikely)

$$Q = \frac{(10)(8.8)(.7)}{(2.31)(40) + 300} = \frac{61.6}{392.4} = .16 \text{ cfs}$$

$$\text{e } 60 \text{ psi} = \frac{61.6}{438.6} = .14 \text{ cfs}$$

$$\text{e } 80 \text{ psi} = \frac{61.6}{484.8} = .13 \text{ cfs}$$

.12 cfs ok per
information
available

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

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

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

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

2. Volume Calculations for Other Uses:

V required = 12.0 afa

See attached Narrative

V diverted = 0.12 x 365 x 1.9835 = 86.9 afa

Recommend 12.0 afa

G. NARRATIVE/REMARKS/COMMENTS

See attached narrative

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
COMMERCIAL	1/01 to 12/31	0.12 CFS	12.0
	<u>Totals:</u>	0.12 CFS	12.0

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. AUTHENTICATION

Field Examiner's Name *J. Lester* Date *11/7/2013*

Reviewer _____ Date _____

NOTE License cover letter w/6, see end of
attached narrative

PERMIT 78-7368 FIELD EXAM NARRATIVE

An 8 inch, 500 foot (completed depth 335' per scanned log) well with 10 hp submerged pump. Well with 3" discharge line provides all water used for Brundage Mountain Ski Area at this time. Line from well expands to 4" before it becomes 8" mainline for distribution. Water can be pumped uphill to 100,000 gallon storage tank for subsequent gravity distribution through 8" line from tank. If needed (peak demand) well can put water directly into distribution lines instead of pumping uphill to tank.

Pump specs and other technical details were not available during exam but were provided in 6/11/2007 consultant report included with this exam.

System Use & Overlap

Wells at Brundage per exam & consultant report. See map at end of attached copy of that report, examiner notes added:

1. 1988 Well #1, in use at this examiner's 1990 exam of 78-7286. Abandoned after 1997-1998 winter but before this 9/1998 exam
2. 1993 well, not used
3. 1994 Well #2, only well in use at 9/1998 exam.

Well 2 currently serves lodge, children's center, caretaker's home, older shop, newer shop and limited landscaping. Some of this was previously supplied from Well 1 licensed under 78-7286 that covered internal use at lodge and old shop plus minor lodge landscaping.

Permit 78-7368 development period was 1/1996 thru 2/1998. Consultant report shows 1997-1998 winter with Well 1 used for license 78-7286, Well 2 used for permit 78-7368. Can use Well 2 data in consultant report to license this permit.

Appears between winter 1997-1998 and September 1998, POD change within same ¼ ¼ for 78-7286 from Well 1 to Well 2. Well 1 was abandoned due to new lift lines construction. Using a single well for older right in authorized tract does not require a transfer. However, should **link POD shapes for 78-7286 & 78-7368 to Well 2 when issue new license.**

There was not a POD overlap during permit 78-7368 development period but there was after that. Can **condition new license: same well for both rights, limited to 0.12 cfs when combined.**

Consultant report discusses 1993 "maintenance shop"¹ not noted by examiner in 1998. Apparently this was added before development period of 78-7368. Giving benefit of doubt to the user, allow that shop to be considered part of the lodge/children center as described in consultant report. Assume that is not an expansion since shop is used by staff for lodge and children center ("part of the package in 78-7368").

Internal commercial use at lodge overlaps somewhat under both rights but not from same well during 78-7368 development period. Do not reduce junior commercial use since separate wells used at that time. Although that internal use is limited to 1.8 afa under senior right (1990 exam details), it is not feasible, perhaps not possible, to determine internal commercial use at lodge under junior right based on available data. Therefore, do not limit overlapping part of use under both rights when licensing 78-7368.

¹ This is additional shop beyond shop found in 1990 exam for 78-7286.

Recommended Rate

- Permit ~ 0.20 cfs
- B.U. limit ~ undefined
- System measurement ~ 0.12 cfs
- Proof fee paid ~ 0.20 cfs
- **Recommend ~ 0.12 cfs**

Recommended Volume

Consultant report is somewhat confusing, appears some information is missing or contradictory. Analysis of that information follows. Diversion volume is determined from Well 2 data. See examiner notes added to attached copy of consultant report.

Well 2 data set #1 shows @ 19.2 af/yr total use.

Well 2 data set #2 shows @ 19.98 af/yr total use.

Assume @ 20 af/yr total use.

Subtract @ 900,000 gallons/yr (2.76 af) snow-making, outside of permit limits.

Balance @ 17.24 af/yr.

Subtract unknown irrigation volume, outside of permit limits ... at this point cannot identify total internal volume.

Report shows @ 3,311,970 g/yr **winter use**, subtract snow-making, get @ 2,411,970 gallons internal use:

$$2,411,970 / 325,850 = 7.4, \text{ round up } 7.5 \text{ af.}$$

“**Shoulder season**” covers April, May and September thru November. Consultant report describes this season use about 30% of winter use:

$$7.5 \times 30\% = 7.5 \times 0.3 = 2.25 \text{ af, round up to } 2.5 \text{ af.}$$

Summer use covers June thru August with unknown commercial volume. Also includes unknown amount of non-allowable irrigation. Cannot determine volume for allowable use from available data. Assume another 25%² of winter volume for summer use:

$$7.5 \times 25\% = 1.88, \text{ round up to } 2.0 \text{ af.}$$

Total internal use is $7.5 + 2.5 + 2 = 12.0$ afa assuming benefit of doubt to water user.

Well 2 volume for both rights is not limited by 86.9 afa system capacity.

² Slightly less than 30% for shoulder season since fewer months.

Allow commercial but delete domestic use. No benefit in segregating same thing into two uses for this business activity.

Commercial use is for a lodge, a children's center and an adjacent maintenance shop at Brundage Mountain Ski Area.

Permit conditions have been met.

Consultant report requests volume based on growth since 1998, clearly beyond scope of this permit. Also, snowmaking and irrigation are beyond scope of Brundage rights. These uses, growth since 1998 and possible future growth require a new right(s). The need for more rights was discussed with Brundage and its consultant, see 2/8/2000 information in file. Brundage has not filed for new rights.

License cover letter for 78-7368 should mention the need for filing a new application for permit(s) to cover increased commercial use at lodge etc. beyond that found in 9/1998 exam, snowmaking and irrigation. This could include anticipated growth for the 5 year period (maximum development period for a new permit).



RECEIVED

June 11, 2007

JUN 12 2007

WATER RESOURCES
WESTERN REGION

Steve Lester
Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705

Subject: Licensing of permit 78-7368

Dear Mr. Lester:

Enclosed on behalf of Brundage Mountain Company is additional information requested by the Idaho Department of Water Resources to complete licensing of permit 78-7368. The information provided represents water use developed between 1994 and 1998.

Available information indicates that Brundage Mountain's annual water use from Well 2 in 1997-1998 was approximately 26 acre-feet, which included the following:

- Approximately 2.8 acre-feet of snowmaking in and near the base area.
- Approximately 7.4 acre-feet of winter use in lodge and other buildings.
- Approximately 15.7 acre-feet of spring, summer, and fall water use. This water use included visitor/staff water use in the lodge and other buildings, and irrigation of approximately 8 acres of landscaping that are maintained as a venue for outdoor events such as concerts, weddings, and other special events.

In the winter of 1997-1998, water use from Well 1 (water right 78-7286) was 77,500 gallons and water use from Well 2 was 3,311,970 gallons. The skier/staff count was 104,978 person-days. After deducting an estimated 900,000 gallons of snowmaking, these numbers suggest that winter water use in the lodge and other buildings averages approximately 24 gallons per person-day.

Visitor and staff days fluctuate from year to year and have generally increased since 1998. Because additional visitors can be accommodated without expanding the water system facilities, we request that any annual volume limit placed on permit 78-7368 be based on the capacity of the water system, or include an allowance for up to approximately 140,000 skier/staff days in the winter and 10,000 summer visitor/staff days.

Brundage Mountain Company recently acquired the property and water rights associated with the Brundage Mountain base area from the U.S. Forest Service. It is my understanding that the U.S. Forest Service has recently assigned permit 78-7368

150,000 people - beyond scope of "best case scenario" in permit development period - see item 6a in Brundage Mt. letter, attached

SL
Notes
10/9/2013

CAN'T ALLOW
26 AF →

NO →
OK →

NO →

*

NO ←

NO

June 11, 2007

to Brundage Mountain Company. If you have yet not received an Assignment of Permit form from the Forest Service, please let me know. Please contact me with any questions regarding this submittal.

Sincerely,

A handwritten signature in black ink that reads "Jennifer Sukow". The signature is written in a cursive, flowing style.

Jennifer S. Sukow, P.E., P.G.

cc: Larry Shake, Brundage Mountain Company



Mr. Steve Lester
Idaho Department of Water Resources
2735 Airport Way
Boise, Idaho 83705-5082

June 6, 2007

Re: Brundage Mountain #78-07368 Permit

The following information is provided to assist in licensing of water right 78-7368, in response to your fax to Doug Unger of W&H Pacific, dated September 6, 1998. A copy of this fax is included in Attachment A.

1. The motor is a 10 hp submersible motor (Franklin Electric, Model 226 112 90, Serial #08-0142).

2. The pump is a 6-inch submersible pump. The make, model, and serial number cannot be verified without pulling the pump. Flow meter readings indicate that the pump operates at 55 gpm.

3. Flow is measured by a McCrometer flow meter (serial number 9484253), which indicates the pumping rate is 55 gpm. IDWR's examiner noted the flowmeter totalizer read 3,356,700 gallons during the September 9, 1998 field exam. Additional totalizer readings collected by Brundage Mountain Company staff between January 18, 1997 and May 13, 1998 are included in Attachment B. In 1997 and 1998, water was diverted from two wells. Water from the "Lodge well" was diverted under water right 78-7286. Water from the "Well 2 (child. ctr.) well" was diverted under water right permit 78-7368.

* The totalizer readings indicate that the greatest recorded annual use from Well 2 occurred during the one-year period prior to the field exam. Water use between September 15, 1997 and September 9, 1998 was 8,438,340 gallons (13,356,700 - 5,221,140 gallons) or 25.9 acre-feet. Water use measured during the winter months (November 1997 to April 1998) was 3,311,970 gallons (10.2 acre-feet). A graph showing monthly water use measured between January 1997 and April 1998 is included in Attachment C.

4. A schematic drawing of the current water system facilities is included in Attachment D. In 1997-1998, the Lodge well, which was developed under water right 78-7286 was also in service. This is shown as the "1988 well" on the aerial photograph in Attachment E.

* DATA SET #1 has 9/15/97 but ends at 5/13/98 so no 9/98 data
(also no 9/98 data in set #2)

5. The Brundage Mountain Lodge is the same space with minor modifications since 1990. The Restroom and Kitchen areas (most impact on water) have remained the same. In 1993 a new maintenance facility was constructed. This facility has approximately 30 winter time employees based here. In 1994, the Children's Center was completed. The Children's Center houses, Offices, Ski Patrol, Ski School Kids Program and the Daycare Operation. This building has eight bathrooms, two kitchens and averages 100 people a day during the weekends and 37 people weekdays. The Maintenance Shop was constructed in 1993 and includes two bathrooms, lunchroom, locker room, storage, offices and six vehicle work bays, averages 30 employees year round.

6. a.) Estimated visitor and staff number as requested:

<u>Year</u>	<u>Skier Count</u>	<u>Staff Count</u>	(average winter only)
1993-94	92,927	3300	(155 days)
1994-95	94,836	3500	
1995-96	95,322	3800	
1996-97	89,304	4000	→ ~ 93,500 people
1997-98	100,778	4200	→ ~ 105,000 people

Permit development period

Winter

Peak day use at the ski resort happens on weekends and holidays. We estimate there are 26 days during the season that exceed 3000 skiers a day. The maximum number of guests during peak times is approaching 4000. On these peak winter days there could be as many as 250 employees on site.

Winter water use includes one snowmaking gun, which has a water demand of approximately 100 gpm and is used about 150 hours per year. Estimated annual volume of use is 900,000 gallons or 2.8 AF. The snowmaking gun is used around the lodge, in the beginner lift area, and at the base of the Main Street run adjacent to the lodge.

Summer

Summer at Brundage is estimated to average between 6500 and 8000 visitors and 25 staff members working at the resort. Peak days at the resort in the summer are with our summer concerts, once or twice a summer. We have experienced as many as 3500 concert visitors at our events. During these activities it is common for us to bring in a substantial number of portable restrooms mitigating septic impacts to the water system.

does not id years so not sure if in permit development period

Summer water use includes irrigation of the five-acre amphitheater and other landscaping we maintain during the summer months. A total of approximately 8 acres of landscaping is maintained as a venue for outdoor events such as concerts, weddings, and other special events. The place of use is shown on the aerial photograph in Attachment E.

NO -

Best case Assumption
105,000 winter
8,000 other
113,000 total

max # people/year in development period:

But use data 10% attached!
for actual well 2 usage!

- b.) The primary well at Brundage is used 365 days a year. The shoulder seasons, April and May and September, October and November are light water use months. The actual pumping time during this period may be less than 30% of the winter days. (see use data)

In general, visitor and staff days fluctuate from year to year depending on snow and weather conditions, the economy, and other factors. Although Brundage has not made significant expansions to the building facilities or the water system since 1994, visitor days have generally increased between 1994 and 2007. Fluctuations in the number of visitors will not affect the rate of diversion from the well, but will impact the annual volume diverted. We request that any annual volume restriction imposed on the license be based on the capacity of the water system developed by 1998, or include an allowance for approximately 140,000 skier/staff days in the winter and 10,000 summer visitor/staff days.

We hope this answers the needed information request missed so long ago. If there is anything else we need to provide please give me a call @ 208-634-4152 ext 223.

Sincerely,



Larry Shake, Brundage Mountain Resort

Attachments:

- A. IDWR fax to W&H Pacific dated September 6, 1998
- B. Flowmeter data, January 18, 1997 to May 13, 1998
- C. Monthly water use, January 1997 to April 1998
- D. Schematic drawing of water system facilities
- E. Aerial photograph

Brundage Mtn Company

1997-1998

WATER METER

READINGS

DATE

Location of meter

Lodge

(gallons)

Well #2

1/18/1997	260000	146920
1/19/1997	261000	166720
1/20/1997	262000	186020
1/25/1997	264000	251870
1/26/1997	264900	251870
2/1/1997	267300	320450
2/2/1997	268100	344120
2/8/1997	270900	434200
2/9/1997	272300	442440
2/15/1997	275200	538770
2/16/1997	276300	559470
2/17/1997	277500	566260
2/22/1997	281000	647600
2/23/1997	282000	677250
3/1/1997	285800	767090
3/2/1997	287200	787840
3/8/1997	290700	871640
3/9/1997	291900	892480
3/15/1997	295000	949440
3/16/1997	295800	967680
3/22/1997	298500	1064790
3/23/1997	298900	1081170
3/29/1997	302300	1164300
3/30/1997	302900	1180780
4/5/1997	305100	1247490
4/6/1997	305600	1265200
4/12/1997	307500	1332210
4/13/1997	308200	1335150
5/13/1997	313900	1644580
6/17/1997	316500	2135020
7/23/1997	335200	3119120
8/17/1997	342300	4305900
9/15/1997	345400	4918360
10/15/1997	350000	5221140
11/18/1997	363800	5711630
12/16/1997	380500	6607620
12/26/1997	387300	6761930
12/27/1997	388900	6783930
12/28/1997	390600	6812420
12/29/1997	391900	6835640

don't use,
is well 1

DATA SET #1

	Lodge	Well #2
12/30/1997	393200	6852760
12/31/1997	394500	6879610
1/1/1998	395700	6901910
1/2/1998	397200	6927670
1/3/1998	398500	6946860
1/4/1998	400000	6970150
1/5/1998	401000	6989000
1/7/1998	402300	7024370
1/8/1998	403100	7037480
1/10/1998	404500	7072960
1/11/1998	405600	7089040
1/12/1998	406400	7108820
1/13/1998	406900	7123930
1/14/1998	407300	7137850
1/15/1998	407900	7148850
1/16/1998	408700	7167130
1/18/1998	411100	7214120
1/19/1998	412900	7243660
1/24/1998	415800	7317620
1/25/1998	417200	7332800
1/31/1998	421300	7424760
2/1/1998	422700	7459360
2/7/1998	426300	7538450
2/8/1998	427400	7608590
2/14/1998	431500	7678430
2/15/1998	433100	7706350
2/16/1998	434700	7709800
2/21/1998	439400	7816160
2/22/1998	440700	7834580
2/28/1998	441000	7927560
3/1/1998	441000	7960780
3/7/1998	441200	8065860
3/8/1997	441200	8085870
3/14/1998	441200	8186030
3/15/1998	441200	8215180
3/21/1998	441200	8294050
3/22/1998	441200	8311610
3/28/1998	441200	8401070
3/29/1998	441200	8419690
4/4/1998	441200	8505960
4/5/1998	441200	8522860
4/15/1998	441200	8678430
4/27/1998	441200	8828050
5/13/1998	441300	9023600

TOTAL

- $8,876,680 / 17 \sim 522,158 / \text{month}$
- $\frac{(522,158)(12)}{325,850} \sim 19.2 \text{ AF/yr.}$

8,876,680

=Gallons

~ 17
months

BRUNDAGE MOUNTAIN COMPANY MONTHLY WATER USE FOR 1997-1998

MONTH	Well #2 Child Center (gallons)
Jan-97	173530
Feb-97	446640
Mar-97	413690
Apr-97	309085
May-97	399935
Jun-97	737270
Jul-97	1085440
Aug-97	899620
Sep-97	457620
Oct-97	396635
Nov-97	693240
Dec-97	742285
Jan-98	557450
Feb-98	501420
Mar-98	458910
Apr-98	408360
May-98	
TOTAL	8,681,130 c 16 months

$$\bullet \quad 8,681,130 / 16 \sim 542,571/\text{month}$$

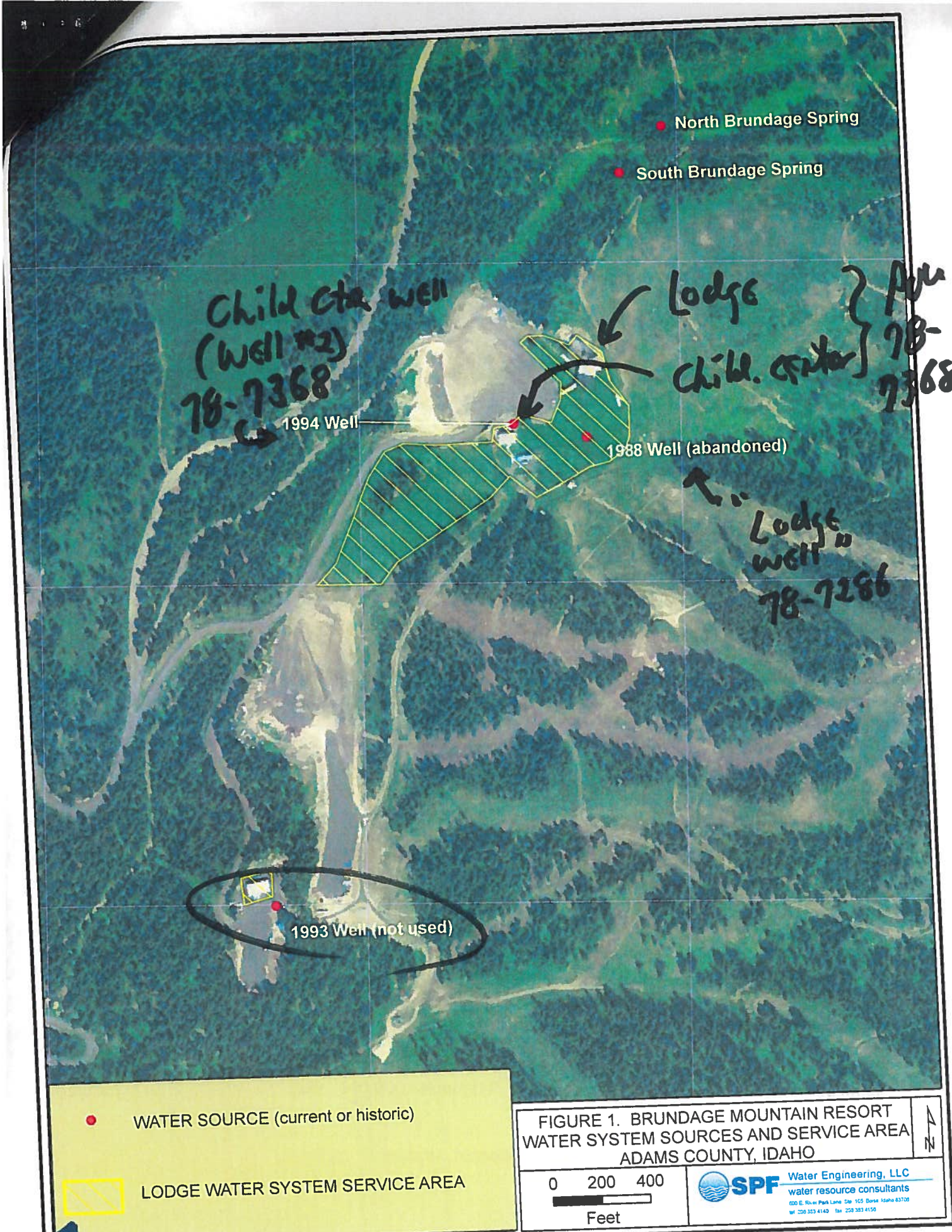
$$\bullet \quad \frac{(542,571)(12)}{325,850} \sim \underline{\underline{19.98 \text{ Af/yr}}}$$

DATA SET #2

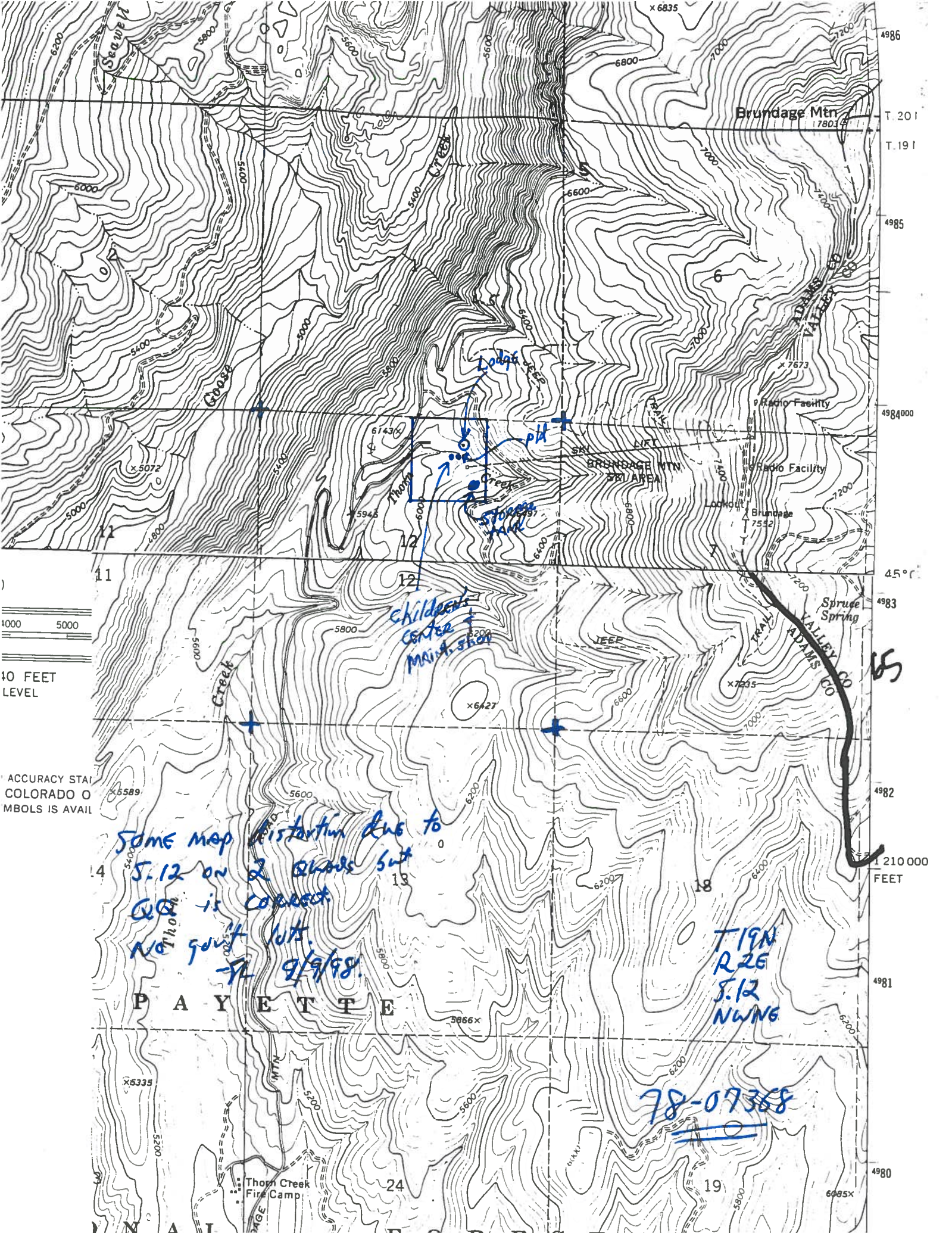
Month	Gallons
Jan-97	100,000
Feb-97	400,000
Mar-97	400,000
Apr-97	300,000
May-97	400,000
Jun-97	850,000
Jul-97	1,100,000
Aug-97	900,000
Sep-97	450,000
Oct-97	400,000
Nov-97	700,000
Dec-97	850,000
Jan-98	650,000
Feb-98	500,000
Mar-98	450,000
Apr-98	400,000

sewmsbf

- | | Date | Summary |
|----------|----------------------------|------------|
| • Winter | discourt e 900,000 gallons | irrigation |
| • Summer | " " ? | " |
| | (June - August probably) | |



NOT FOR 78-7368, limited to buildings



1000 5000
10 FEET
LEVEL

ACCURACY STATE
COLORADO
MBOLS IS AVAIL

Some map distortion due to
S. 12 on 2 Quads but
QQ is correct.
Noth gulf lots.
9/9/98.

P A Y E T T E

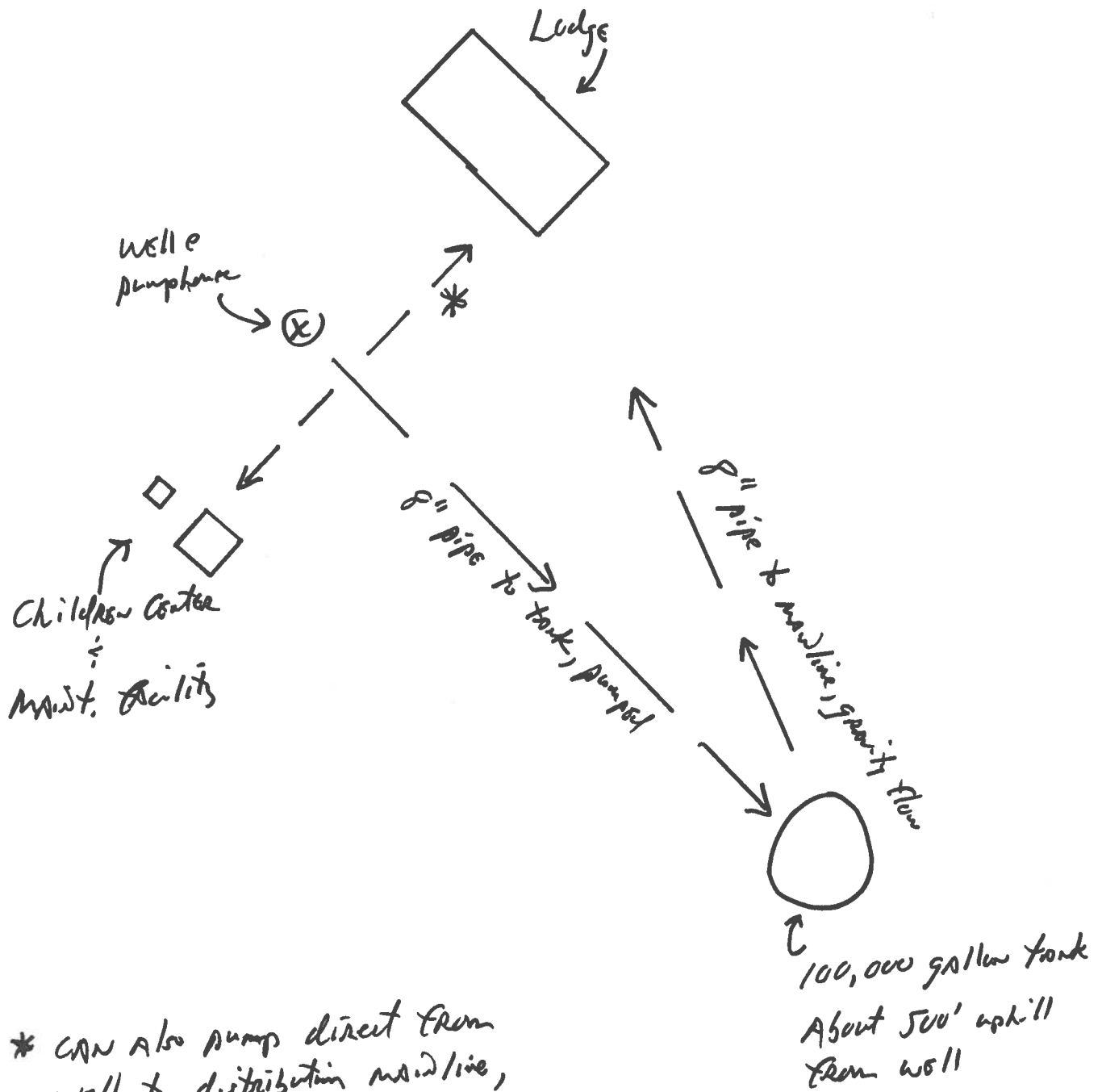
T19N
R2E
S. 12
NW 1/4

78-07368

Thorn Creek
Fire Camp

78.7368 Diagram

not to scale



* CAN ALSO pump direct from well to distribution mainline, bypass tank

All pipes buried

Photos for Exam 78-7368, September 9, 1998, by Steve Lester.



Pumphouse in front of daycare building.



Inside of pumphouse.

Photos for Exam 78-7368, September 9, 1998, by Steve Lester.



Lodge from pumphouse view.

Did not photograph children's center
but saw it during exam -SL

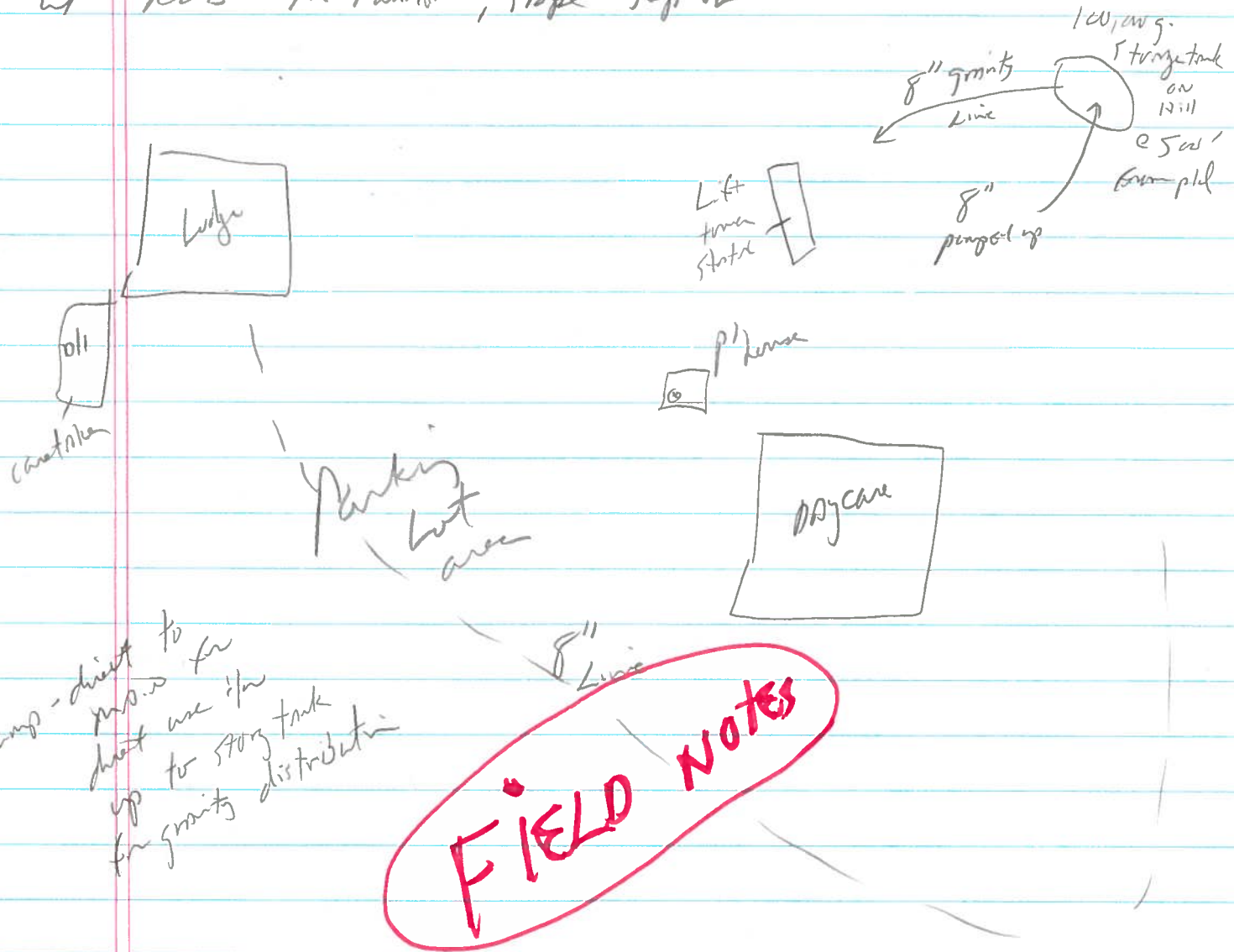
78-07368

Brundage mt

-SL notes

9/9/98

W Rob McFadden, Slope Sup'r



FIELD NOTES

Get from consultant Doug Langer

- schematic of well + P. house (system diagram)

→ pump/motor specs

⊗ Q records from flowmeter

→ P curve w/ id. where at on curve for Q include minor headlossing (0.6 sf) if not already covered in older license.

→ has lodge expanded since 1990?

→ # days/yr. of actual use - staff + visitors Lodge + Daycare etc.

- NOTES -

old well (hi 78-7286) abandoned by new lift
construction. So old use now coming in
new well.

✓ locate new well - just left i down by of old well site
as force int. OK = none just as is old rights

Springs - system still in place but not deliver H₂O
now to resort. Have plans to change or obtain
new rights from Springs system.

So all H₂O e site now = new well !

well is spent form - all OK ✓

no psi gauge.

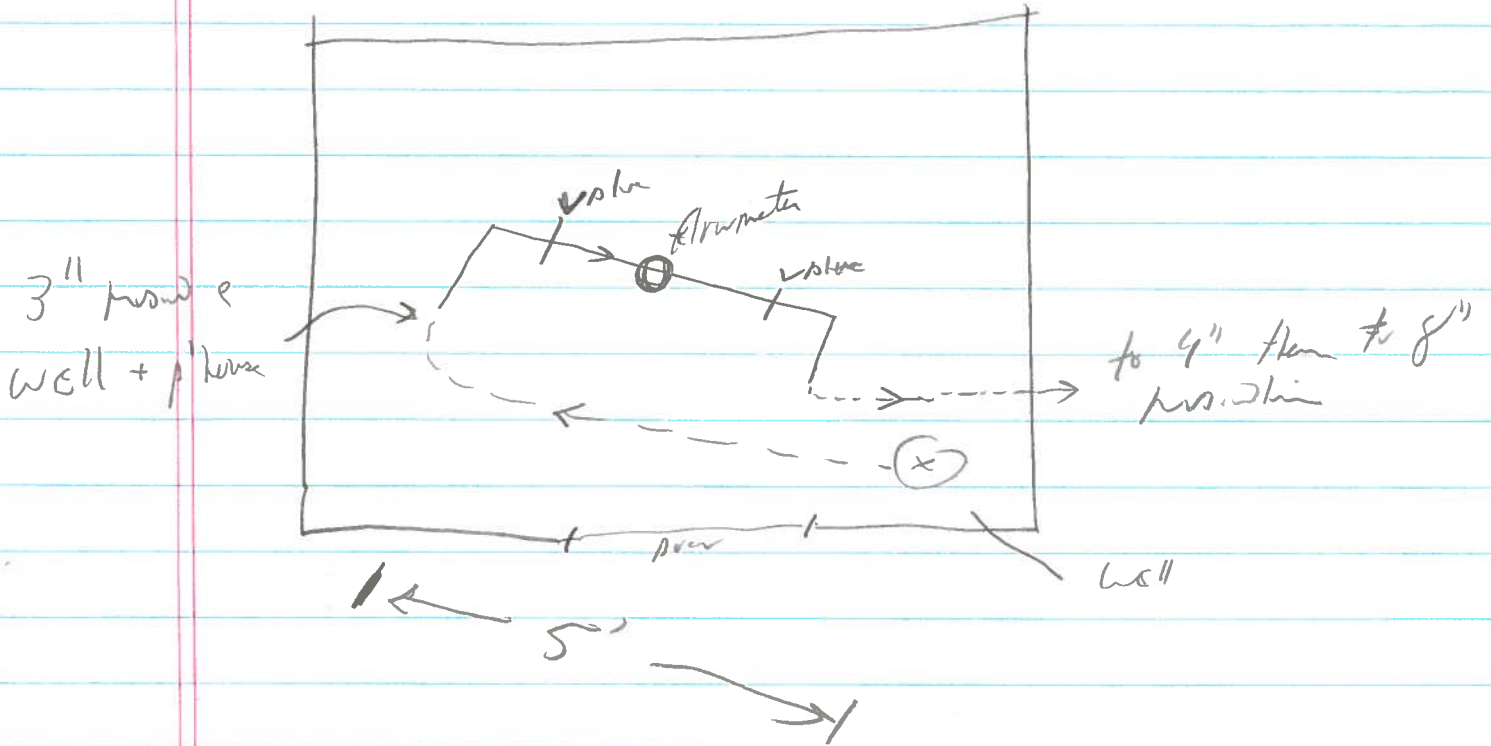
ID Power meter # 41045014

McCombs & Hunter # 9484253 (is from 4)
fueling = 335670 x 10 gallon today.

well not on in (L) so ≠ measure.

no m.d. req'd in W.R.

12 p'house



Photos

- ① 12 p'house
Well R
Flowmeter left of pipe
- ② p'house next to day care
- ③ ledge from p'house area

CONVERSATION MEMORANDUM

DATE 9/1/98

FILE 78-07388

NAME OF PARTY Gary Elliot McCall Roper Dist.
EMPLOYEE FR PNF 634-0415

RE: FICW Sam

Appt c 10:00 wed 9/9/98.

meet upper part of lot c ridge etc

He'll also contact someone c nt to be
sure wellhouse opened.

New well, pump house, up to ~~Storage~~ storage
look than granty to uses.

78-7368

2/8/2000

Larry Shake
Doug Lange & Brundage

- ① will supply f(x) info to
78-07368 for lic. details
- ② discussed w.r. growth
scenarios to use more g.w.
(irrig.) & s.w. (noncons. ponds +
cons. summok. etc. plus fine
part. 1. may involve mitigation
plans or plan to show no
adverse impacts on fishery.

want to hear more

info provided
to Brundage (Larry S.)
& consultant (Doug U.)*

for considering filing
new Appls for use
beyond scope of
existing rights/permit

-JL

* Doug Lange
with Pacific
Boise

2/8/2000



2. ① file new appl. for ~~rental~~ new stream for series of small aesth./frie ponds $\leq 1/2$ acre
 ② " " g.w. appl. to irrig. 8-10 ac. for summer "mt. Board" slope ③ propose 5 w. plan for
 area total
 area total
 plan for

SD-0601-2 Last Name: BRUNDAGE

ALL WR/AS En
Brundage 2/8/2000

WR

STATE

S E L	First Name	O W N	Water Right No.	Priority Date	Source	Total Diversion	Use Code Desc
	BRUNDAGE MEADOWS RESERVOIR CO.						
		O	78-02085	05/25/1936	BRUNDAGE CR	3538.00	02 IRR S 03 IRR FS 44 DOM S 45 DOM FS
	BRUNDAGE DITCH CO.						
		C	78-02085	05/25/1936	BRUNDAGE CR	3538.00	02 IRR S 03 IRR FS 44 DOM S 45 DOM FS
	BRUNDAGE MOUNTAIN CORP.						
		C	78-04270	01/01/1960	SPRING	0.130	43 DOMEST
	BRUNDAGE WATER USERS ASSN. INC.						
		C	78-07077	00/00/0000		0.00	
	BRUNDAGE WATER USERS ASSN						
		C	78-07263A	03/22/1985	BRUNDAGE CR HARTLY CREE	3292.00	02 IRR S 03 IRR FS
	BRUNDAGE WATER USERS ASSN.						
		O	78-07263B	03/22/1985	BRUNDAGE CR HARTLY CREE	500.00	47 REC S
	BRUNDAGE WATER USERS ASSN						
		C	78-07263C	03/22/1985	BRUNDAGE CR HARTLY CREE	300.00	02 IRR S 03 IRR FS
	BRUNDAGE MOUNTAIN CORP						
		O	78-07286	04/18/1988	GROUNDWATER	0.030	43 DOMEST 10 COMMER
	BRUNDAGE MOUNTAIN CO						
		O	78-07368	01/01/1995	GROUNDWATER	0.200	10 COMMER 43 DOMEST

+ A78-4142 Forest Service "North Brundage Spout" } use at
+ A78-4143 " " "South " " } Brundage Mt

AJ

SD-0601-2 Last Name: BRUNDAGE

STATE

S E L	First Name	O W N	Water Right No.	Priority Date	Source	Total Diversion	Use Code Desc
	BRUNDAGE MEADOWS RESERVOIR CO						
		O	A78-02085	05/25/1936	BRUNDAGE CR HARTLEY CRE	3583.00	02 IRR S 03 IRR FS
	BRUNDAGE DITCH CO						
		O	A78-02085	05/25/1936	BRUNDAGE CR HARTLEY CRE	3583.00	02 IRR S 03 IRR FS
	BRUNDAGE WATER USERS ASSOCIATION						
		C	A78-02085	05/25/1936	BRUNDAGE CR HARTLEY CRE	3583.00	02 IRR S 03 IRR FS
	BRUNDAGE MOUNTAIN CORP						
		C	A78-10008	04/01/1960	SPRING	0.130	43 DOMEST 10 COMMER

NAME index
2-8-00

RECEIVED

JUN 12 2007

WATER RESOURCES
WESTERN REGION

June 11, 2007

Steve Lester
Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705

Subject: Licensing of permit 78-7368

Dear Mr. Lester:

Enclosed on behalf of Brundage Mountain Company is additional information requested by the Idaho Department of Water Resources to complete licensing of permit 78-7368. The information provided represents water use developed between 1994 and 1998.

Available information indicates that Brundage Mountain's annual water use from Well 2 in 1997-1998 was approximately 26 acre-feet, which included the following:

- Approximately 2.8 acre-feet of snowmaking in and near the base area.
- Approximately 7.4 acre-feet of winter use in lodge and other buildings.
- Approximately 15.7 acre-feet of spring, summer, and fall water use. This water use included visitor/staff water use in the lodge and other buildings, and irrigation of approximately 8 acres of landscaping that are maintained as a venue for outdoor events such as concerts, weddings, and other special events.

In the winter of 1997-1998, water use from Well 1 (water right 78-7286) was 77,500 gallons and water use from Well 2 was 3,311,970 gallons. The skier/staff count was 104,978 person-days. After deducting an estimated 900,000 gallons of snowmaking, these numbers suggest that winter water use in the lodge and other buildings averages approximately 24 gallons per person-day.

Visitor and staff days fluctuate from year to year and have generally increased since 1998. Because additional visitors can be accommodated without expanding the water system facilities, we request that any annual volume limit placed on permit 78-7368 be based on the capacity of the water system, or include an allowance for up to approximately 140,000 skier/staff days in the winter and 10,000 summer visitor/staff days.

Brundage Mountain Company recently acquired the property and water rights associated with the Brundage Mountain base area from the U.S. Forest Service. It is my understanding that the U.S. Forest Service has recently assigned permit 78-7368

June 11, 2007

to Brundage Mountain Company. If you have yet not received an Assignment of Permit form from the Forest Service, please let me know. Please contact me with any questions regarding this submittal.

Sincerely,



Jennifer S. Sukow, P.E., P.G.

cc: Larry Shake, Brundage Mountain Company



Mr. Steve Lester
Idaho Department of Water Resources
2735 Airport Way
Boise, Idaho 83705-5082

June 6, 2007

Re: Brundage Mountain #78-07368 Permit

The following information is provided to assist in licensing of water right 78-7368, in response to your fax to Doug Unger of W&H Pacific, dated September 6, 1998. A copy of this fax is included in Attachment A.

1. The motor is a 10 hp submersible motor (Franklin Electric, Model 226 112 90, Serial #08-0142).
2. The pump is a 6-inch submersible pump. The make, model, and serial number cannot be verified without pulling the pump. Flow meter readings indicate that the pump operates at 55 gpm.
3. Flow is measured by a McCrometer flow meter (serial number 9484253), which indicates the pumping rate is 55 gpm. IDWR's examiner noted the flowmeter totalizer read 3,356,700 gallons during the September 9, 1998 field exam. Additional totalizer readings collected by Brundage Mountain Company staff between January 18, 1997 and May 13, 1998 are included in Attachment B. In 1997 and 1998, water was diverted from two wells. Water from the "Lodge well" was diverted under water right 78-7286. Water from the "Well 2 (child. ctr.) well" was diverted under water right permit 78-7368.

The totalizer readings indicate that the greatest recorded annual use from Well 2 occurred during the one-year period prior to the field exam. Water use between September 15, 1997 and September 9, 1998 was 8,438,340 gallons (13,356,700 – 5,221,140 gallons) or 25.9 acre-feet. Water use measured during the winter months (November 1997 to April 1998) was 3,311,970 gallons (10.2 acre-feet). A graph showing monthly water use measured between January 1997 and April 1998 is included in Attachment C.

4. A schematic drawing of the current water system facilities is included in Attachment D. In 1997-1998, the Lodge well, which was developed under water right 78-7286 was also in service. This is shown as the "1988 well" on the aerial photograph in Attachment E.

5. The Brundage Mountain Lodge is the same space with minor modifications since 1990. The Restroom and Kitchen areas (most impact on water) have remained the same. In 1993 a new maintenance facility was constructed. This facility has approximately 30 winter time employees based here. In 1994, the Children's Center was completed. The Children's Center houses, Offices, Ski Patrol, Ski School Kids Program and the Daycare Operation. This building has eight bathrooms, two kitchens and averages 100 people a day during the weekends and 37 people weekdays. The Maintenance Shop was constructed in 1993 and includes two bathrooms, lunchroom, locker room, storage, offices and six vehicle work bays, averages 30 employees year round.

6. a.) Estimated visitor and staff number as requested:

<u>Year</u>	<u>Skier Count</u>	<u>Staff Count</u>	(average winter only)
1993-94	92,927	3300	(155days)
1994-95	94,836	3500	
1995-96	95,322	3800	
1996-97	89,304	4000	
1997-98	100,778	4200	

Winter

Peak day use at the ski resort happens on weekends and holidays. We estimate there are 26 days during the season that exceed 3000 skiers a day. The maximum number of guests during peak times is approaching 4000. On these peak winter days there could be as many as 250 employees on site.

Winter water use includes one snowmaking gun, which has a water demand of approximately 100 gpm and is used about 150 hours per year. Estimated annual volume of use is 900,000 gallons or 2.8 AF. The snowmaking gun is used around the lodge, in the beginner lift area, and at the base of the Main Street run adjacent to the lodge.

Summer

Summer at Brundage is estimated to average between 6500 and 8000 visitors and 25 staff members working at the resort. Peak days at the resort in the summer are with our summer concerts, once or twice a summer. We have experienced as many as 3500 concert visitors at our events. During these activities it is common for us to bring in a substantial number of portable restrooms mitigating septic impacts to the water system.

Summer water use includes irrigation of the five-acre amphitheater and other landscaping we maintain during the summer months. A total of approximately 8 acres of landscaping is maintained as a venue for outdoor events such as concerts, weddings, and other special events. The place of use is shown on the aerial photograph in Attachment E.

- b.) The primary well at Brundage is used 365 days a year. The shoulder seasons, April and May and September, October and November are light water use months. The actual pumping time during this period may be less than 30% of the winter days. (see use data)

In general, visitor and staff days fluctuate from year to year depending on snow and weather conditions, the economy, and other factors. Although Brundage has not made significant expansions to the building facilities or the water system since 1994, visitor days have generally increased between 1994 and 2007. Fluctuations in the number of visitors will not affect the rate of diversion from the well, but will impact the annual volume diverted. We request that any annual volume restriction imposed on the license be based on the capacity of the water system developed by 1998, or include an allowance for approximately 140,000 skier/staff days in the winter and 10,000 summer visitor/staff days.

We hope this answers the needed information request missed so long ago. If there is anything else we need to provide please give me a call @ 208-634-4152 ext 223.

Sincerely,



Larry Shake, Brundage Mountain Resort

Attachments:

- A. IDWR fax to W&H Pacific dated September 6, 1998
- B. Flowmeter data, January 18, 1997 to May 13, 1998
- C. Monthly water use, January 1997 to April 1998
- D. Schematic drawing of water system facilities
- E. Aerial photograph

ATTACHMENT A. IDWR REQUEST FOR ADDITIONAL DATA



State of Idaho

DEPARTMENT OF WATER RESOURCES

2735 Airport Way, Boise, Idaho 83705-5082

PHONE: (208) 334-2190 FAX: (208) 334-2348 www.idwr.idaho.gov

C.L. "BUTCH" OTTER, Governor

DAVID R. TUTHILL, JR., Interim Director

FAX COVER SHEET

Fax # (208) 334-2348

DATE: 4/16/07TO: Jennifer SunkowSPF Water Engr.FAX: 383-4156FROM: Steve LattaDOCUMENT DESCRIPTION: Permit 78-7368Copy of info faxed to consultant in 1998seeking data to help license this permit.Please let me know if you have anyquestions about the envelope.TOTAL # OF PAGES (INCLUDING COVER): 6



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190

FAX (208) 334-2348

PHILIP E. BATT
GOVERNORKARL J. DREHER
DIRECTOR✓
FAX TRANSMITTAL COVER SHEET

FAX # (208) 334-2348

DATE: 9/16/98TO: Doug Unger
W+H Pacific
fax 342-5353FROM: Steve LesterDOCUMENT DESCRIPTION: Brundage Mt. # 78-07368 Permit
• Permit
• Proof of Beneficial Use
• Notes (2 pgs) requesting info to assist in licensing this water right.TOTAL PAGES SENT: 4 + COVER SHEET

CONTACT: _____

I'll check back with you c FEB-March 1999
if don't hear from you before that.
Thanks for your help. Let me know if anything
is not clear etc.

- Steve

CALL up 2-20-99 c FL(x) DATA
from consultant

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 78-07368

Proposed Priority: November 21, 1994 Maximum Diversion Rate: 0.20 CFS

This is to certify, that **US FOREST SERVICE**
PAYETTE NATIONAL FOREST
PO BOX 1026
MCCALL ID 83638-1026

has applied for a permit to appropriate water from: **GROUNDWATER**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>
COMMERCIAL	01/01 to 12/31	0.20 CFS
DOMESTIC	01/01 to 12/31	0.04 CFS
	Totals	0.20 CFS

LOCATION OF POINT(S) OF DIVERSION:NWNE , Sec. 12, Township 19N, Range 02E
ADAMS CountyPLACE OF USE: COMMERCIALTWN RGE SEC

19N 02E 12

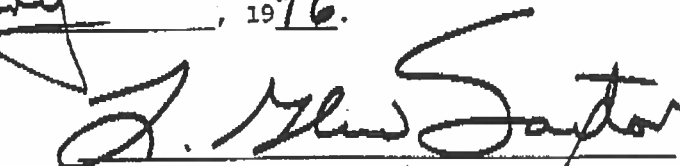
NWNE

PLACE OF USE: DOMESTIC, same as COMMERCIAL useCONDITIONS OF APPROVAL AND REMARKS

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before January 1, 1998.
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. Commercial and domestic uses are for lodge and childrens center at Brundage Mountain ski area.

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

2nd day of January, 1996.


Karl J. Dreher, Director
for

FOR OFFICE USE ONLY
Amt. of Fee \$: 50.00
Receipt No. 0711034
Receipt By: V.S.
Date Received: 2/11/98
RECEIVED

**STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES**

FEB 11 1998

PROOF OF BENEFICIAL USE

Department of Water Resources

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 78-07368 Telephone No. (208) 634-0400
2. Name(s) of Permit Holder(s): US Forest SERVICE
3. Mailing Address: Payette National Forest P.O. Box 1026 McCall, ID 83638
4. Source of Water: Well If **GROUNDWATER** (well), Date Drilled: mo. Nov. yr. 1994
- a. Well Driller: Gestrin Drilling Permit Number: 78-94 W 0025-000
b. **OPTIONAL**
Pump Horsepower: _____ Pressure (psi): _____ Dynamic pumping level (ft): _____

5. Use(s) (as authorized by the water right permit):

Domestic (No. of households): sk Area Stockwater (No. and type of stock): _____

NO - per 1/9/98 - gr → Irrigation (No. of acres): 50 Acres Other: Note: they water Area around Base Lodge

6. Total rate of diversion and/or volume for which proof is submitted: .20 cfs OR _____ acre feet *yes - min (calculated) sk*
7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)
(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device: Is a measuring device required?	Yes <u>X</u> or No _____
Has the measuring device been installed?	Yes <u>X</u> or No _____
Flow Measurement Port: Is a flow measurement port required?	Yes _____ or No <u>X</u>
Has the measurement port been installed?	Yes _____ or No <u>X</u>

8. Fee Enclosed: \$ _____ (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: Gary Eliot Telephone Number: (208) 634-0415

Address: P.O. Box 1026 McCall, ID 83638

10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the State of Idaho.

Signature of permit holder: [Signature] Date: 2/9/98
(include your title, if on behalf of company of organization)
(for) JACK A. BLACKWELL, Regional Forester

Pg 1 of 2

Permit 78-07368 for Brunelage

Info needed in order to license this permit:

- ① motor - make, model, serial #, hp
- ② pump - " " " & pump curve

Show on curve - where does this pump normally operate on curve?

- ③ Flowmeter (McCrumbator #9484253 READ 335670 x 10 gallons for totalizer on 9/9/98). -

any flow data to show maximum Q developed with this system? ← RATE

any volume data to show maximum volume developed with this system?

- ④ Schematic - prefer 8 1/2" x 11" if possible:
show well, pipelines & storage tank (or hill)
to layout the distribution system.

Show all buildings etc. served by this well.

- ⑤ Lodge - has it expanded since 1990 or is the same lodge setup?

Pg 2 of 2

⑥ USE

- a) Show maximum # staff
visitors/customers (best guess is ok)

that Bourdage has had 1994-1998
(that's permit development period: 11/94-2/98).

- b) Show actual # days/yr. of use of well,
can categorize:

(1) This season # staff + # visitors typically = —

(2) Now " " " " = —

or something to that effect

Want to show:

— cfs is maximum developed for this well
— Area " " " "
feet-
year

via supporting data (~~prop. error~~)
such as pump curves, flowmeter, # people
using facilities & # days/yr. of actual
use.

ATTACHMENT B. FLOWMETER READINGS

Brundage Mtn Company

1997-1998

WATER METER

READINGS

DATE	Location of meter	
	Lodge (gallons)	Well #2
1/18/1997	260000	146920
1/19/1997	261000	166720
1/20/1997	262000	186020
1/25/1997	264000	251870
1/26/1997	264900	251870
2/1/1997	267300	320450
2/2/1997	268100	344120
2/8/1997	270900	434200
2/9/1997	272300	442440
2/15/1997	275200	538770
2/16/1997	276300	559470
2/17/1997	277500	566260
2/22/1997	281000	647600
2/23/1997	282000	677250
3/1/1997	285800	767090
3/2/1997	287200	787840
3/8/1997	290700	871640
3/9/1997	291900	892480
3/15/1997	295000	949440
3/16/1997	295800	967680
3/22/1997	298500	1064790
3/23/1997	298900	1081170
3/29/1997	302300	1164300
3/30/1997	302900	1180780
4/5/1997	305100	1247490
4/6/1997	305600	1265200
4/12/1997	307500	1332210
4/13/1997	308200	1335150
5/13/1997	313900	1644580
6/17/1997	316500	2135020
7/23/1997	335200	3119120
8/17/1997	342300	4305900
9/15/1997	345400	4918360
10/15/1997	350000	5221140
11/18/1997	363800	5711630
12/16/1997	380500	6607620
12/26/1997	387300	6761930
12/27/1997	388900	6783930
12/28/1997	390600	6812420
12/29/1997	391900	6835640

	Lodge	Well #2
12/30/1997	393200	6852760
12/31/1997	394500	6879610
1/1/1998	395700	6901910
1/2/1998	397200	6927670
1/3/1998	398500	6946860
1/4/1998	400000	6970150
1/5/1998	401000	6989000
1/7/1998	402300	7024370
1/8/1998	403100	7037480
1/10/1998	404500	7072960
1/11/1998	405600	7089040
1/12/1998	406400	7108820
1/13/1998	406900	7123930
1/14/1998	407300	7137850
1/15/1998	407900	7148850
1/16/1998	408700	7167130
1/18/1998	411100	7214120
1/19/1998	412900	7243660
1/24/1998	415800	7317620
1/25/1998	417200	7332800
1/31/1998	421300	7424760
2/1/1998	422700	7459360
2/7/1998	426300	7538450
2/8/1998	427400	7608590
2/14/1998	431500	7678430
2/15/1998	433100	7706350
2/16/1998	434700	7709800
2/21/1998	439400	7816160
2/22/1998	440700	7834580
2/28/1998	441000	7927560
3/1/1998	441000	7960780
3/7/1998	441200	8065860
3/8/1997	441200	8085870
3/14/1998	441200	8186030
3/15/1998	441200	8215180
3/21/1998	441200	8294050
3/22/1998	441200	8311610
3/28/1998	441200	8401070
3/29/1998	441200	8419690
4/4/1998	441200	8505960
4/5/1998	441200	8522860
4/15/1998	441200	8678430
4/27/1998	441200	8828050
5/13/1998	441300	9023600

TOTAL

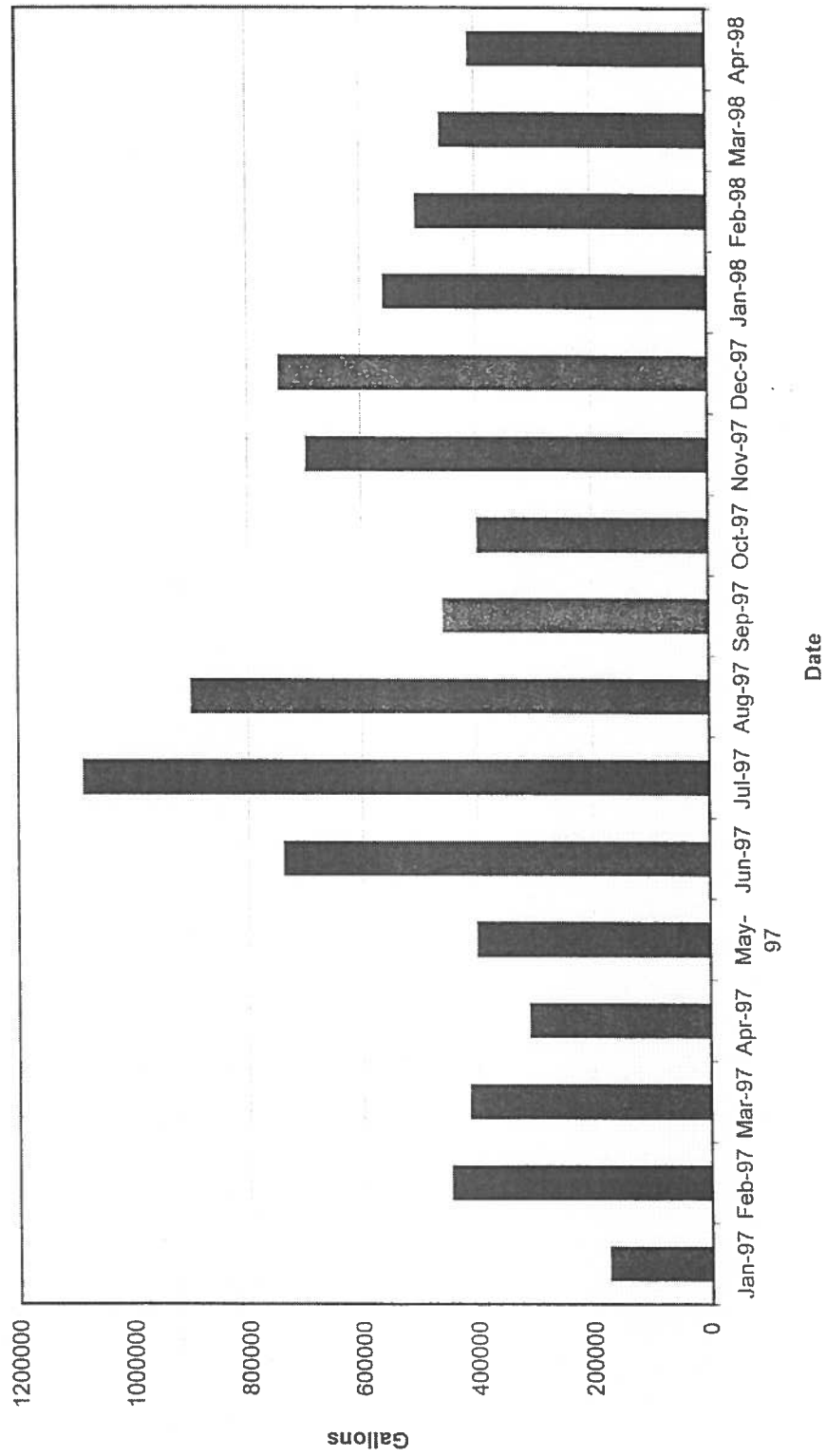
8,876,680 =Gallons

BRUNDAGE MOUNTAIN COMPANY MONTHLY WATER USE FOR 1997-1998

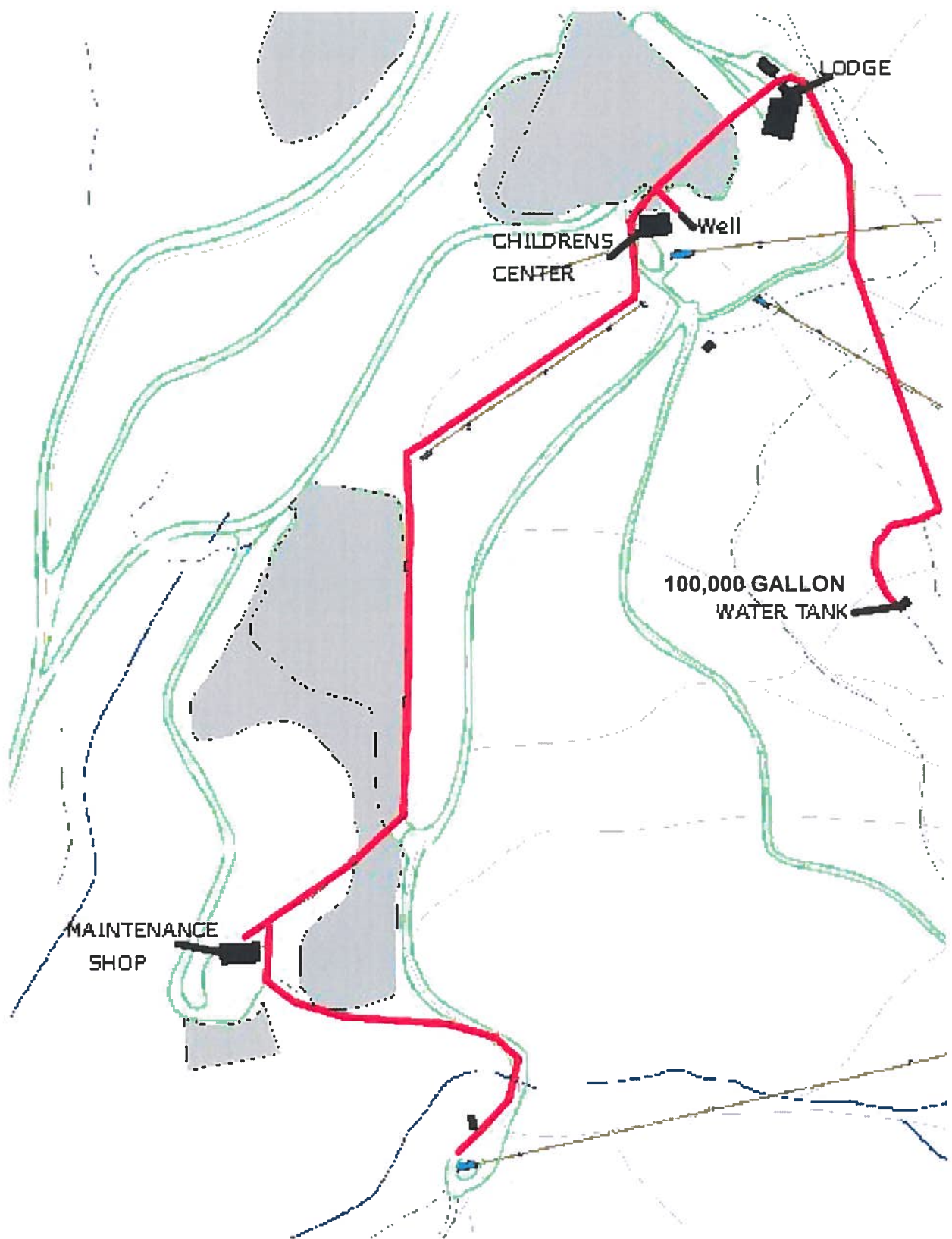
MONTH	Well #2 Child Center (gallons)
Jan-97	173530
Feb-97	446640
Mar-97	413690
Apr-97	309085
May-97	399935
Jun-97	737270
Jul-97	1085440
Aug-97	899620
Sep-97	457620
Oct-97	396635
Nov-97	693240
Dec-97	742285
Jan-98	557450
Feb-98	501420
Mar-98	458910
Apr-98	408360
May-98	
TOTAL	8,681,130

ATTACHMENT C. MONTHLY WATER USE

Brundage Mountain Company
Well 2 Monthly Use



ATTACHMENT D. SCHEMATIC DRAWING



ATTACHMENT E. AERIAL PHOTOGRAPH





State of Idaho

DEPARTMENT OF WATER RESOURCES

2735 Airport Way, Boise, Idaho 83705-5082

PHONE: (208) 334-2190 FAX: (208) 334-2348 www.idwr.idaho.gov

C.L. "BUTCH" OTTER, Governor

DAVID R. TUTHILL, JR., Interim Director

FAX COVER SHEET

Fax # (208) 334-2348

DATE: 4/16/07

TO: Jennifer Surkow
SPF Water Engr.
FAX: 383-4156

FROM: Steve Lott

DOCUMENT DESCRIPTION: Permit 78-7368

Copy of info faxed to consultant in 1998
seeking data to help license this permit.
Please let me know if you have any
questions about the enclosed.

TOTAL # OF PAGES (INCLUDING COVER): 6



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190
FAX (208) 334-2348

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

✓
FAX TRANSMITTAL COVER SHEET

FAX # (208) 334-2348

NO REPLY
by 4/19/2006

DATE: 4/16/98

TO: Doug Unger
W+H Pacific
fax 342-5353

FROM: Steve Lester

DOCUMENT DESCRIPTION: Brundage Mt. # 78-07368 Permit-
• Permit
• Proof of Beneficial Use
• Notes (2 pgs) requesting info to assist in licensing this water right.

TOTAL PAGES SENT: 4 + COVER SHEET

CONTACT: _____

I'll check back with you c FEB-March 1999
if don't hear from you before that.
Thanks for your help. Let me know if anything
is not clear etc.

CALL up 2-20-99 c FL(*) DATA
from consultant

- Steve

State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 78-07368

Proposed Priority: November 21, 1994 Maximum Diversion Rate: 0.20 CFS

This is to certify, that **US FOREST SERVICE**
PAYETTE NATIONAL FOREST
PO BOX 1026
MCCALL ID 83638-1026

has applied for a permit to appropriate water from: **GROUNDWATER**

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>
COMMERCIAL	01/01 to 12/31	0.20 CFS
DOMESTIC	01/01 to 12/31	0.04 CFS
	Totals	0.20 CFS

LOCATION OF POINT(S) OF DIVERSION: NWNE , Sec. 12, Township 19N, Range 02E
ADAMS County

PLACE OF USE: COMMERCIAL

TWN RGE SEC

19N 02E 12 NWNE

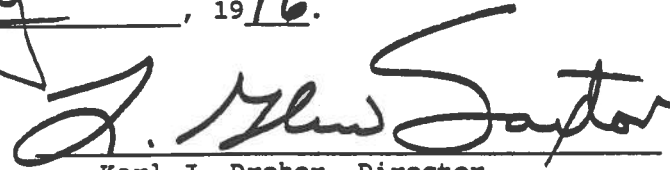
PLACE OF USE: DOMESTIC, same as COMMERCIAL use

CONDITIONS OF APPROVAL AND REMARKS

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before January 1, 1998.
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. Commercial and domestic uses are for lodge and childrens center at Brundage Mountain ski area.

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

2nd day of January, 1996.


for
Karl J. Dreher, Director

FOR OFFICE USE ONLY
Amt. of Fee \$: 50.00
Receipt No. 2711934
Receipt By: VJ
Date Received: 2/12/98
RECEIVED

**STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES**

FEB 11 1998

Department of Water Resources

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 78-07368 Telephone No. (208) 634-0400
2. Name(s) of Permit Holder(s): US Forest SERVICE
3. Mailing Address: Payette National Forest P.O. Box 1026 McCall, ID 83638
4. Source of Water: Well If **GROUNDWATER** (well), Date Drilled: mo. Nov. / yr. 1994
- a. Well Driller: Gestein Drilling Permit Number: 78 94 W 0625-000
78-07-36-8
- b. **OPTIONAL:**
Pump Horsepower: _____ Pressure (psi): _____ Dynamic pumping level (ft): _____

5. Use(s) (as authorized by the water right permit):

Domestic (No. of households): ski Area Stockwater (No. and type of stock): _____

NO - per 1/9/98 - gr → Irrigation (No. of acres): 50 Acres Other: Note: They WATER AREA around BASE Lodge

6. Total rate of diversion and/or volume for which proof is submitted: .20 cfs OR _____ acre feet

7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)

(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device: Is a measuring device required?

Yes X or No _____

Has the measuring device been installed?

Yes X or No _____

Flow Measurement Port: Is a flow measurement port required?

Yes _____ or No X

Has the measurement port been installed?

Yes _____ or No X

8. Fee Enclosed: \$ _____ (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: GARY Eliot Telephone Number: (208) 634-0415

Address: P.O. Box 1026 McCall, ID 83638

10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the State of Idaho.

Signature of permit holder: [Signature]
(include your title, if on behalf of company or organization)

Date: 2/9/98

(for) JACK A. BLACKWELL, Regional Forester

Permit 78-07368 for Brumage

Info needed in order to license this permit:

- ① motor - make, model, serial #, hp
- ② pump - " " " & pump curve.

Show on curve - where does this pump normally operate on curve?

- ③ Flowmeter (Mcrometer #9484253 read 335670 x 10 gallons for totalizer on 9/9/98). -

any flow data to show maximum Q developed with this system? ← RATE

any volume data to show maximum volume developed with this system?

- ④ Schematic - poster 8 1/2" x 11" if possible:
show well, pipelines & storage tank (or hill)
to layout the distribution system.

Show all buildings etc. served by this well.

- ⑤ Lodge - has it expanded since 1990 or is the same lodge setup?

⑥ USE

- a) Show maximum # staff
visitors/customers (best guess is ok)

that Burndage has had 1994-1998
(that's permit development period: 1/94-2/98).

- b) Show actual # days/yr of use of well,

can categorize:

(1) Peak season # staff + # visitors typically = —

(2) Non " " " " = —

or something to that effect

Want to show:

— cfs is maximum developed for this well
— acre-feet-
year " " " "

via supporting data (~~prop curve etc~~)
such as pump curves, flowmeter, # people
using facilities & # days/yr of actual
use.