

FILE#: G 13943

U.S. FOREST SERVICE; MT BACHELOR INC.
PO BOX 1031
BEND, OR 97709

Application No. **G13943**
Permit No. **G012885**
Certificate No. **88843**

Stream Index, Page No.

FEE PAID

Date	Amount	Receipt No.
1-11-95	\$450.00	120957
2-5-99	100.00	27608
9-30-2010	150.00	101278
9-30	125.-	101279
	Cert. Fee	

FEE REFUNDED

Date	Amount	Check No.
NOV 8-26-96	250.00	001529
1214113	78.00	VP037302

Date filed
Priority
Action suspended until **009**
Return to applicant
Date of approval

ASSIGNMENTS

Date	To Whom	Address	Volume	Page

REMARKS

CONSTRUCTION

Date for beginning **OCT. 25, 1997**
Date for completion **OCT. 1, 1998**
Extended to **10-1-08**
Date for application of water **OCT 1, 1999**
Extended to **10-1-09**

PROSECUTION OF WORK

Form "A" filed
Form "B" filed
Form "C" filed

FINAL PROOF


Blank mailed
Proof received **NOV 26 2013**
Date certificate issued

517885

FOR 01201
 DATE Wed 2-28 TIME 1010 P.M.
 FROM TOM WACKER
 FIRM _____
 PHONE (541) - 388 - 4255 X
AREA CODE NUMBER EXTENSION
 FAX
 MOBILE 541 - 388 - 4229
AREA CODE NUMBER TIME TO CALL

TELEPHONED	<input checked="" type="checkbox"/>	PLEASE CALL	<input checked="" type="checkbox"/>
RETURNED YOUR CALL		WILL CALL AGAIN	
CAME TO SEE YOU		RUSH	
WANTS TO SEE YOU		SPECIAL ATTENTION	
WAITING TO SEE YOU		HOLDING LINE	

MESSAGE APP G-13943
G-12885
EXTEN of TIME =
W&H PACIFIC
BEND
COMPLETION LETTER

SIGNED _____  FORM 4007 MADE IN U.S.A.

MESSAGE



Oregon

John A. Kitzhaber, MD, Governor

G-13943

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

Date Mailed: November 26, 2013

Re-mailed January 13, 2014

NOTICE OF CERTIFICATE ISSUANCE

The attached certificate confirms the water right established under the terms of a permit issued by this Department. The water right is now appurtenant to the specific place where the use was established as described by the certificate. The water right is limited to a specific amount of water, but not more than can be beneficially used for the purposes stated within the certificate.

The certificate is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

Oregon law does not allow the Director to reissue a certificate because of a change in the ownership of the appurtenant place of use. The water must be controlled and not wasted. To change the location of the point of diversion, the character of use, or the location of use requires the advance approval of the Water Resources Director.

If any portion of this water right is not used for five or more consecutive years, that portion of the right may be subject to forfeiture according to ORS 540.610. Land enrolled in a Federal Reserve Program is not subject to forfeiture during the period of enrollment. Other exceptions to forfeiture are explained in ORS 540.610.

If you have any questions please contact Craig Kohanek at 503-986-0823.

RECEIVED BY OWRD

DEC 03 2013

SALEM, OR

^{CU}
Oregon

Water Resources Department
Water Right Services Division
725 Summer St NE Ste A
Salem, OR 97301-1266

RETURN SERVICE REQUESTED



UNABLE TO FORWARD
UNDELIVERABLE
UNDELIVERABLE
UNDELIVERABLE

G-13943
U.S. FOREST SERVICE/MT. BACHELOR
1230 NE 3rd STREET STE A-262
BEND OR 97701

BEND OREGON
NOV 29 2013

WATER RESOURCES DEPARTMENT
REQUEST FOR DISTRIBUTION OF FUNDS

TO: **Fiscal Services Section**

DATE: November 25, 2013

FROM: R. Craig Kohanek
Phone: (503) 986-0823

SUBJECT: **REIMBURSEMENT AUTHORITY - Request for Payment or Refund**

FILE #: G-13943

RA #: R12008-11

RECEIPT #: 107586

Please prepare payment in the amount of **\$78.80**, made payable to:

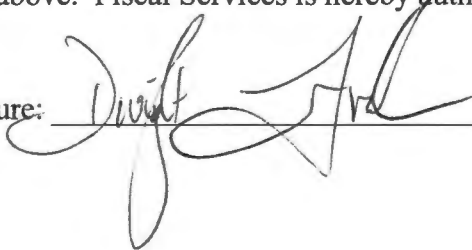
Name: Mt. Bachelor Inc.
Address: P.O. Box 1000
City: Bend, OR 97709

These funds are being paid or refunded as a result of (check one):

- Excess fees were collected for Claim of Beneficial Use
 Excess fees were collected for Reimbursement Authority
 Other:

I have reviewed this distribution request and have determined the request to be justified as to the purpose indicated above. Fiscal Services is hereby authorized to process the requested distribution.

Authorized Signature: _____



Date: _____

11-26-13



Oregon

John A. Kitzhaber, MD, Governor

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

November 25, 2013

Mt. Bachelor Inc.
Attn: Tom Lomax
P.O. Box 1000
Bend, OR 97709

RE: Refund for Reimbursement Authority Contract R12008-11; App. File # G-13943

Dear Mr. Lomax,

Thank you for using the Certificate Reimbursement Authority Program to expedite the processing of your Claim of Beneficial Use. The Department completed its processing of your claim for less than the estimated amount. Consequently, we are refunding the difference to you.

I hope you were pleased with the Certificate Reimbursement Authority Program and would consider using again if the need arises. Please call R. Craig Kohanek at (503) 986-0823 if you have any questions about this refund.

Sincerely,

R. Craig Kohanek
Sr. Water Rights Specialist

STATE OF OREGON
COUNTY OF DESCHUTES
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

U.S. FOREST SERVICE C/O MT BACHELOR INC.
1230 NE 3rd STREET, SUITE A-262
BEND OR 97701

confirms the right to use the waters of A WELL in Todd Creek Basin for QUASI-MUNICIPAL USE.

This right was perfected under Permit G-12885. The date of priority is JANUARY 13, 1995. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 2.35 CUBIC FEET PER SECOND measured at the well.

The period of use is year round.

The well is located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
18 S	9 E	WM	20	SE NW	1447 FEET SOUTH & 2256 FEET EAST FROM NW CORNER, SECTION 20

A description of the place of use is as follows:

Twp	Rng	Mer	Sec	GLT	Q-Q
18 S	8 E	WM	13		SW SE
18 S	8 E	WM	13		SE SE
18 S	8 E	WM	24		NE 1/4
18 S	8 E	WM	24		SE 1/4
18 S	8 E	WM	25		NE 1/4
18 S	8 E	WM	25		NE NW
18 S	8 E	WM	25		NE SW
18 S	8 E	WM	25		SE SW
18 S	8 E	WM	25		SE 1/4
18 S	8 E	WM	36		NE 1/4
18 S	8 E	WM	36		NE NW
18 S	8 E	WM	36		SE NW

NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

Twp	Rng	Mer	Sec	GLOT	Q-Q
18 S	8 E	WM	36		NE SW
18 S	8 E	WM	36		NE SE
18 S	8 E	WM	36		NW SE
18 S	8 E	WM	36		SE SE
18 S	9 E	WM	17		SW NW
18 S	9 E	WM	17		SW 1/4
18 S	9 E	WM	17		SW SE
18 S	9 E	WM	18		SW NE
18 S	9 E	WM	18		SE NE
18 S	9 E	WM	18		SE NW
18 S	9 E	WM	18		NE SW
18 S	9 E	WM	18	3	NW SW
18 S	9 E	WM	18	4	SW SW
18 S	9 E	WM	18		SE SW
18 S	9 E	WM	18		SE 1/4
18 S	9 E	WM	19		NE 1/4
18 S	9 E	WM	19		NE NW
18 S	9 E	WM	19	1	NW NW
18 S	9 E	WM	19	2	SW NW
18 S	9 E	WM	19		SE NW
18 S	9 E	WM	19		NE SW
18 S	9 E	WM	19	3	NW SW
18 S	9 E	WM	19	4	SW SW
18 S	9 E	WM	19		SE SW
18 S	9 E	WM	19		NE SE
18 S	9 E	WM	19		NW SE
18 S	9 E	WM	19		SW SE
18 S	9 E	WM	19		SE SE
18 S	9 E	WM	20		ALL
18 S	9 E	WM	21		NW SW
18 S	9 E	WM	21		SW SW
18 S	9 E	WM	21		SE SW
18 S	9 E	WM	28		NW NE
18 S	9 E	WM	28		SW NE
18 S	9 E	WM	28		SE NE
18 S	9 E	WM	28		NW 1/4
18 S	9 E	WM	28		SW 1/4
18 S	9 E	WM	28		SE 1/4
18 S	9 E	WM	29		ALL
18 S	9 E	WM	30		NE 1/4
18 S	9 E	WM	30		NE NW
18 S	9 E	WM	30	1	NW NW
18 S	9 E	WM	30	2	SW NW
18 S	9 E	WM	30		SE NW
18 S	9 E	WM	30		NE SW
18 S	9 E	WM	30	3	NW SW
18 S	9 E	WM	30	4	SW SW
18 S	9 E	WM	30		SE SW
18 S	9 E	WM	30		SE 1/4

18 S	9 E	WM	31		NE 1/4
18 S	9 E	WM	31	1	NE NW
18 S	9 E	WM	31	2	NW NW
18 S	9 E	WM	31		SW NW
18 S	9 E	WM	31		SE NW
18 S	9 E	WM	31		NE SW
18 S	9 E	WM	31	3	NW SW
18 S	9 E	WM	31	4	SW SW
18 S	9 E	WM	31		SE SW
18 S	9 E	WM	31		SE 1/4
18 S	9 E	WM	32		ALL
18 S	9 E	WM	33		NE 1/4
18 S	9 E	WM	33		NW 1/4
18 S	9 E	WM	33		SW 1/4
18 S	9 E	WM	33		NW SE
18 S	9 E	WM	33		SW SE
19 S	9 E	WM	4		NE NW
19 S	9 E	WM	4		NW NW
19 S	9 E	WM	5		NE NE
19 S	9 E	WM	5		NE NW
19 S	9 E	WM	5		NW NW
19 S	9 E	WM	6		NE NE
19 S	9 E	WM	6		NW NE
19 S	9 E	WM	6		SE NE
19 S	9 E	WM	6		NE NW

Measurement, recording and reporting conditions:

- A. The water user shall maintain the meter or other suitable measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.
- B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this right, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interference.

Use of water under authority of this right may be regulated if analysis of data available after the right is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alternation of the appropriation facility associated with this authorized diversion, the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge to determine the water level elevation in the well at all times.

The Director may require water level or pump test results every ten years.

Failure to comply with any of the provisions of this right may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the right.

This right is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

Issued NOV 26 2013



Dwight W. French
Water Right Services Administrator, for
Phillip C. Ward, Director
Oregon Water Resources Department



Oregon

John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
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If you have any questions please contact Craig Kohanek at 503-986-0823.

Mailing List for Certificate

Scheduled Mailing Date:

Application: G-13943

Permit: G-12885

Certificate: 88843

Permit/Certificate Holder:

U.S. FOREST SERVICE C/O MT. BACHELOR INC.
1230 NE 3RD STREET, SUITE A-262
BEND OR 97701 ✓

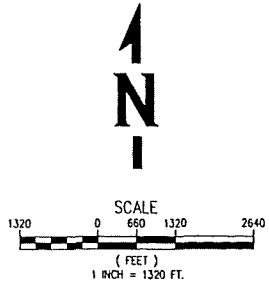
Copies Mailed	
by:	<u>Connie Vase</u> (STAFF)
on:	NOV 26 2013 _____ (DATE)

Copies of Final Certificate to be sent to:

1. Watermaster District 11, Jeremy T. Giffin (include copy of map) ✓
2. Data Center ✓
3. Water Availability ✓
4. Vault ✓
5. File ✓

Other persons to receive copies: (include map):

1. Sean C. Comstock, CWRE ✓



UNITED STATES FOREST SERVICE C/O MT. BACHELOR INC.
 CLAIM OF BENEFICIAL USE MAP
 APPLICATION G-13943, PERMIT G-12885
 SEPTEMBER, 2010
 LOCATED WITHIN TOWNSHIP 18 SOUTH, RANGE 9 EAST, W.M.,
 TOWNSHIP 18 SOUTH, RANGE 8 EAST, W.M.,
 TOWNSHIP 19 SOUTH, RANGE 9 EAST, W.M.

LEGEND

- EXISTING WELL LOCATION
- SECTION LINE
- QUARTER SECTION LINE
- SIXTEENTH SECTION LINE
- AREA OF USE FOR QUASI-MUNICIPAL WATER RIGHT (PERMIT G-12885)

POINT OF APPROPRIATION (MTB-02):

TOWNSHIP 18 SOUTH, RANGE 9 EAST, W.M., SECTION 20,
 SE 1/4, NW 1/4.

LOCATION: 1447' SOUTH AND 2256' EAST FROM THE
 NORTHWEST CORNER OF SECTION 20.

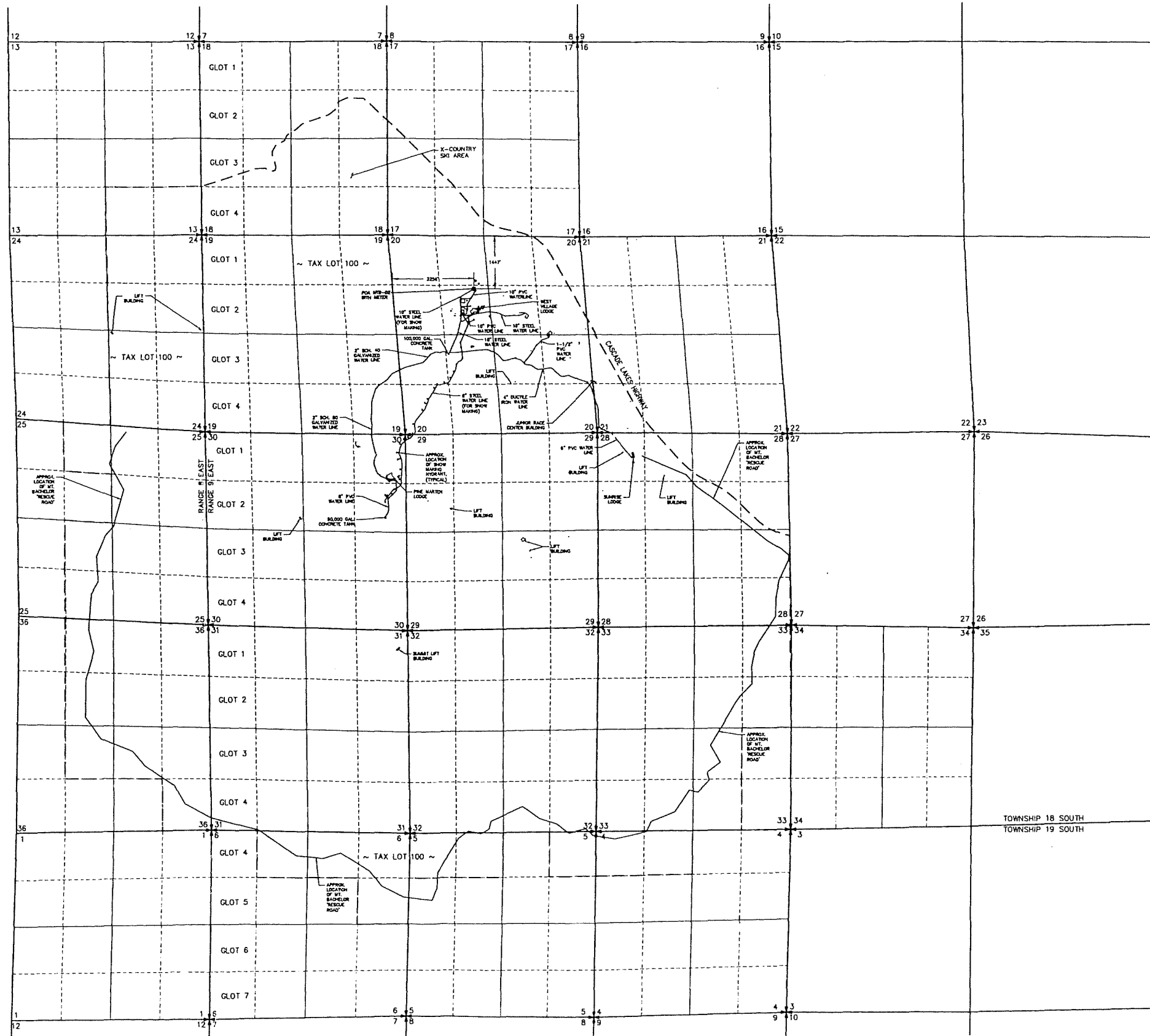
COBU MAP #0538

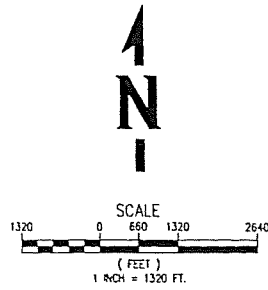


NOTE: THIS MAP WAS PREPARED FOR THE PURPOSE
 OF IDENTIFYING THE LOCATION OF WATER RIGHTS.
 THIS MAP IS NOT INTENDED TO PROVIDE LEGAL DIMENSIONS
 OR LOCATIONS OF PROPERTY OWNERSHIP LINES.

NOTE: THE LOCATIONS OF FEATURES SHOWN ON THIS MAP
 WERE OBTAINED FROM WHPACIFIC AS-BUILT CONSTRUCTION
 DRAWINGS, WHPACIFIC SURVEY TOPOGRAPHIC DATA,
 DESCHUTES COUNTY GIS, FIELD MAPPING USING A
 GEODEXPLORER MODEL NUMBER 79000-00 HAND HELD GPS
 RECEIVER, AERIAL AUTOCAD INFORMATION AND FROM
 INTERVIEWING MT. BACHELOR INC. STAFF.

WHPacific
 123 SW Columbia Street
 Bend, OR 97702
 541-388-4255 Fax 541-388-4229
 www.whpacific.com





UNITED STATES FOREST SERVICE C/O MT. BACHELOR INC.
 CLAIM OF BENEFICIAL USE MAP
 APPLICATION G-13943, PERMIT G-12885
 SEPTEMBER, 2010
 LOCATED WITHIN TOWNSHIP 18 SOUTH, RANGE 9 EAST, W.M.,
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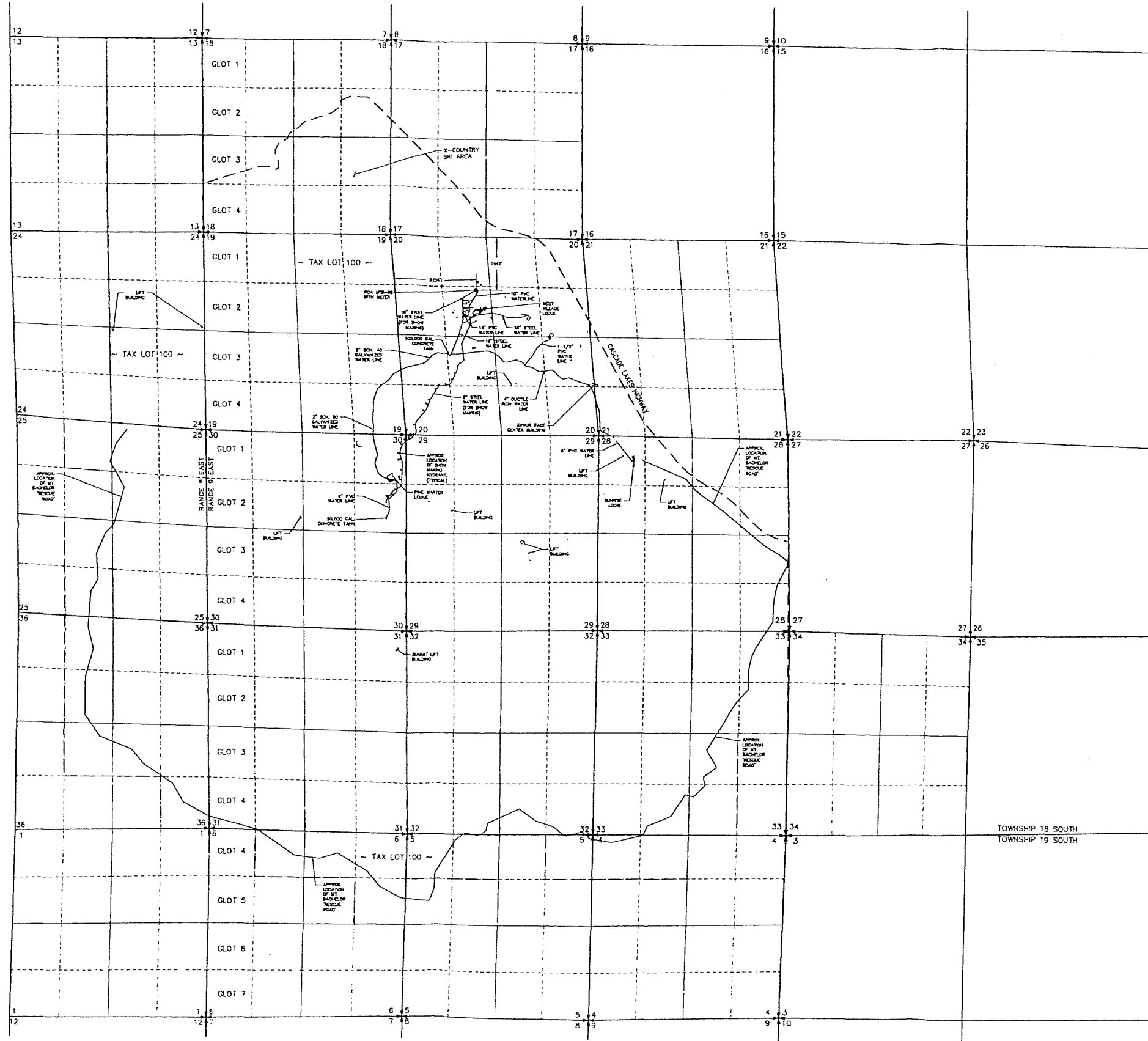
COBU MAP #0538



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WHPacific
 123 SW Columbia Street
 Bend, OR 97702
 541-388-4255 Fax 541-388-4229
 www.whpacific.com



Application # G-13943 Permit # G-12885 Transfer #

Applicant's Name: Mt. Bachelor RA# R12009-11

Reimbursement Authority Process Itemized Estimate Sheet for Certificates

	Est. Time (hr)	Individual	Est. Cost	Date	Act. Time (hr)
1. Review Claim of Beneficial Use report and map	1.00	Craig	\$92	3-25 3-26	0.4 hrs - 0.4 hrs
2. Conflict Check		Craig	\$0		
3. Preparation of deficiency letter	1.00	Craig	\$92		
4. Preparation of proposed certificates	2.00	Craig	\$183	3-26	2 hrs.
5a. Peer review		Jon	\$0		
5b. Peer review	0.10	Dwight	\$12	11/19	0.1
5c. Peer review	0.60	Gerry	\$55	4/10	0.6 hr
6. Project Management	3.00	Craig	\$275	12-18 3-26	0.4 hrs 0.5 hrs
7a. Water right data record update	0.20	Connie	\$12	11/25	0.2
7b. Water right data record update	1.00	Data Tech	\$59	11/18	1.75 hr
8. Pump test (if applicable)		Mike Z	\$0		
Total	8.90		\$778		

800

#73.00

#183.00

#12.00

#55.00

#280.00

#12.00

#105.00

<#721.20

#78.80

Need a final proof map on polyester.

COBU map # 0538

NOV 29 2013

WATER RESOURCES DEPARTMENT
REQUEST FOR DISTRIBUTION OF FUNDS

TO: **Fiscal Services Section**

DATE: November 25, 2013

FROM: R. Craig Kohanek
Phone: (503) 986-0823

SUBJECT: **REIMBURSEMENT AUTHORITY - Request for Payment or Refund**

FILE #: G-13943

RA #: R12008-11

RECEIPT #: 107586

Please prepare payment in the amount of **\$78.80**, made payable to:

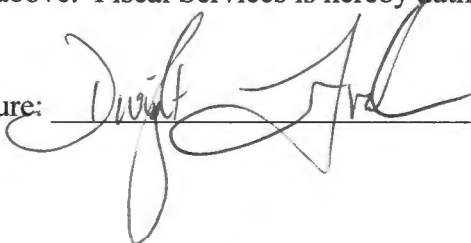
Name: Mt. Bachelor Inc.
Address: P.O. Box 1000
City: Bend, OR 97709

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- Excess fees were collected for Claim of Beneficial Use
 Excess fees were collected for Reimbursement Authority
 Other:

I have reviewed this distribution request and have determined the request to be justified as to the purpose indicated above. Fiscal Services is hereby authorized to process the requested distribution.

Authorized Signature: _____



Date: _____

11-26-13

47126/0408 | R12008-11 | 78⁸⁰

VP037362 ✓



Oregon

John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

November 25, 2013

Mt. Bachelor Inc.
Attn: Tom Lomax
P.O. Box 1000
Bend, OR 97709

RE: Refund for Reimbursement Authority Contract R12008-11; App. File # G-13943

Dear Mr. Lomax,

Thank you for using the Certificate Reimbursement Authority Program to expedite the processing of your Claim of Beneficial Use. The Department completed its processing of your claim for less than the estimated amount. Consequently, we are refunding the difference to you.

I hope you were pleased with the Certificate Reimbursement Authority Program and would consider using again if the need arises. Please call R. Craig Kohanek at (503) 986-0823 if you have any questions about this refund.

Sincerely,

R. Craig Kohanek
Sr. Water Rights Specialist

STATE OF OREGON REMITTANCE ADVICE

TO SIGN UP FOR DIRECT DEPOSIT PAYMENT SERVICE AND RECEIVE CONVENIENT, ELECTRONIC PAYMENTS, LOG IN TO [HTTP://WWW.OREGON.GOV/DAS/EGS/FBS/SFMS/PAGES/ACH.ASPX](http://www.oregon.gov/DAS/EGS/FBS/SFMS/PAGES/ACH.ASPX) ON THE INTERNET. CLICK ON FORMS AND BROCHURES. THEN SELECT DIRECT DEPOSIT (ACH) AUTHORIZATION FORM.

WARRANT NO.
123385275

WATER RESOURCES DEPARTMENT

(503) 986-0924 EXT.

INVOICE NO.	INVOICE DATE	INVOICE DESCRIPTION	AGY	DOCUMENT	AMOUNT
		REVENUE REFUND G-13943 REC # 1 690		VP037362	78.80

Records have been redacted or withheld pursuant to the exemption for financial transfer records specified in ORS 192.345(27).

VENDOR NAME: MT BACHELOR INC

ISSUE DATE: 12/04/13

WARRANT AMOUNT: 78.80

FOLD ON PERFORATION LINE BELOW  BEFORE DETACHING.


DO NOT ACCEPT THIS CHECK UNLESS YOU CAN SEE A TRUE WATERMARK OF CHAIN LINKED SHAPES WHEN HELD TO THE LIGHT

STATE OF OREGON
Dept of Administrative Services

To the State Treasurer, Salem, Oregon
PAYABLE THROUGH US BANK

98-10
1232

CHECK DATE
12/04/13



BANK WARRANT NO.
12 3385275

WATER RESOURCES DEPARTMENT
(503) 986-0924 EXT.

VP037362


PAY THIS AMOUNT
\$78.80

*****SEVENTY EIGHT AND 80/100 DOLLARS*****

PAY TO THE ORDER OF:

MT BACHELOR INC
PO BOX 1000
BEND OR 97709

VOID 2 YEARS AFTER DATE ISSUED



VOID VOID

AUTHORIZED SIGNATURE

THE FACE OF THIS CHECK HAS A COLORED BACKGROUND -- EXPLANATION OF ADDITIONAL SECURITY FEATURES INDICATED ON REVERSE SIDE

STATE OF OREGON
 COUNTY OF DESCHUTES
 CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

U.S. FOREST SERVICE C/O MT BACHELOR INC.
 1230 NE 3rd STREET, SUITE A-262
 BEND OR 97701

confirms the right to use the waters of A WELL in Todd Creek Basin for QUASI-MUNICIPAL USE.

This right was perfected under Permit G-12885. The date of priority is JANUARY 13, 1995. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 2.35 CUBIC FEET PER SECOND measured at the well.

The period of use is year round.

The well is located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
18 S	9 E	WM	20	SE NW	1447 FEET SOUTH & 2256 FEET EAST FROM NW CORNER, SECTION 20

A description of the place of use is as follows:

Twp	Rng	Mer	Sec	GLOT	Q-Q
18 S	8 E	WM	13		SW SE
18 S	8 E	WM	13		SE SE
18 S	8 E	WM	24		NE 1/4
18 S	8 E	WM	24		SE 1/4
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18 S	8 E	WM	25		NE NW
18 S	8 E	WM	25		NE SW
18 S	8 E	WM	25		SE SW
18 S	8 E	WM	25		SE 1/4
18 S	8 E	WM	36		NE 1/4
18 S	8 E	WM	36		NE NW
18 S	8 E	WM	36		SE NW
18 S	8 E	WM	36		NE SW

NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

Twp	Rng	Mer	Sec	GLOT	Q-Q
18 S	8 E	WM	36		NE SE
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18 S	9 E	WM	17		SW SE
18 S	9 E	WM	18		SW NE
18 S	9 E	WM	18		SE NE
18 S	9 E	WM	18		SE NW
18 S	9 E	WM	18		NE SW
18 S	9 E	WM	18	3	NW SW
18 S	9 E	WM	18	4	SW SW
18 S	9 E	WM	18		SE SW
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18 S	9 E	WM	19		NE NW
18 S	9 E	WM	19	1	NW NW
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18 S	9 E	WM	19	4	SW SW
18 S	9 E	WM	19		SE SW
18 S	9 E	WM	19		NE SE
18 S	9 E	WM	19		NW SE
18 S	9 E	WM	19		SW SE
18 S	9 E	WM	19		SE SE
18 S	9 E	WM	20		ALL
18 S	9 E	WM	21		NW SW
18 S	9 E	WM	21		SW SW
18 S	9 E	WM	21		SE SW
18 S	9 E	WM	28		NW NE
18 S	9 E	WM	28		SW NE
18 S	9 E	WM	28		SE NE
18 S	9 E	WM	28		NW 1/4
18 S	9 E	WM	28		SW 1/4
18 S	9 E	WM	28		SE 1/4
18 S	9 E	WM	29		ALL
18 S	9 E	WM	30		NE 1/4
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18 S	9 E	WM	30	4	SW SW
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18 S	9 E	WM	31		NE 1/4
18 S	9 E	WM	31	1	NE NW
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18 S	9 E	WM	31	4	SW SW
18 S	9 E	WM	31		SE SW
18 S	9 E	WM	31		SE 1/4
18 S	9 E	WM	32		ALL
18 S	9 E	WM	33		NE 1/4
18 S	9 E	WM	33		NW 1/4
18 S	9 E	WM	33		SW 1/4
18 S	9 E	WM	33		NW SE
18 S	9 E	WM	33		SW SE
19 S	9 E	WM	4		NE NW
19 S	9 E	WM	4		NW NW
19 S	9 E	WM	5		NE NE
19 S	9 E	WM	5		NE NW
19 S	9 E	WM	5		NW NW
19 S	9 E	WM	6		NE NE
19 S	9 E	WM	6		NW NE
19 S	9 E	WM	6		SE NE
19 S	9 E	WM	6		NE NW

Measurement, recording and reporting conditions:

- A. The water user shall maintain the meter or other suitable measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.
- B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this right, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interference.

Use of water under authority of this right may be regulated if analysis of data available after the right is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alternation of the appropriation facility associated with this authorized diversion, the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge to determine the water level elevation in the well at all times.

The Director may require water level or pump test results every ten years.

Failure to comply with any of the provisions of this right may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the right.

This right is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

Issued _____.

Dwight W. French
Water Right Services Administrator, for
Phillip C. Ward, Director
Water Resources Department

PROPOSED

Mailing List for Certificate

Scheduled Mailing Date:

Application: G-13943

Permit: G-12885

Certificate: *****

Permit/Certificate Holder:

U.S. FOREST SERVICE C/O MT. BACHELOR INC.
1230 NE 3RD STREET, SUITE A-262
BEND OR 97701

Copies Mailed	
by: _____	(STAFF)
on: _____	(DATE)

Copies of Final Certificate to be sent to:

1. Watermaster District 11, Jeremy T. Giffin (include copy of map)
2. Data Center
3. Water Availability
4. Vault
5. File

Other persons to receive copies: (include map):

1. Sean C. Comstock, CWRE

PROPOSED

Craig Kohanek

From: Craig Kohanek
Sent: Monday, April 15, 2013 1:12 PM
To: 'Lomax, Tom'
Subject: RE: Proposed certificate for Mt. Bachelor application G-13946
Attachments: 13943-or-prop.pdf

Tom,

The reason the SW-NW of T. 18S, R.9E, Section 21 is not listed on the proposed certificate is that it is not on the permit. http://apps.wrd.state.or.us/apps/misc/vault/vault.aspx?Type=Permit&permit_char=G&permit_nbr=12885

Thanks for the second bullet catch. I've made the change. See attached.
Craig

From: Lomax, Tom [<mailto:tlomax@mtbachelor.com>]
Sent: Monday, April 15, 2013 11:48 AM
To: Craig Kohanek
Subject: RE: Proposed certificate for Mt. Bachelor application G-13946

Craig, we have reviewed the preliminary certificate and have provided corrections to a few items. Beyond these corrections we are fine with the certificate.

- The SW-NW of T. 18S, R.9E, Section 21 should be added to the place of use. The COBU map and application showed this as being within the place of use.
- I discovered what looks to be a typo. The SE ¼ of T. 18S, R.9E, Section 28 is listed twice within the place of use. The SW ¼ as well as the SE ¼ are within the place of use. Looks like one of the SE 1/4's just needs to be changed to SW ¼.

Thank You
Tom Lomax

TOM LOMAX
Director of Mountain Operations
Mt. Bachelor, Inc.
541.693.0920 (office)
541.410.0122 (mobile)

This email may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. If you are not the addressee, or if it appears you have received this email in error, please advise me immediately by reply email, keep the contents confidential, and immediately delete the message and any attachments from your system. Thank you.

From: Craig Kohanek [<mailto:ron.c.kohanek@state.or.us>]
Sent: Thursday, April 11, 2013 2:06 PM
To: Lomax, Tom
Subject: Proposed certificate for Mt. Bachelor application G-13946

Tom,

Attached is the proposed certificate for Mt. Bachelor application G-13946. Please review it for completeness and accuracy, or have your representative do so, and provide me your edits and comments. If you are fine with the proposed certificate, please reply to that affect to this email and I will continue with the processing of the document toward certification.

Disregard the footers as I will fix those when I issue the certificate.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.C.Kohanek@wrд.state.or.us

Craig Kohanek

From: Lomax, Tom <tlomax@mtbachelor.com>
Sent: Monday, April 15, 2013 11:48 AM
To: Craig Kohanek
Subject: RE: Proposed certificate for Mt. Bachelor application G-13946
Attachments: Place of Use Corrections for Certificate (041213).pdf

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Oregon Water Resources Department

Phone: 503-986-0823

Fax: 503-986-0901

Ron.C.Kohanek@wrд.state.or.us

STATE OF OREGON
 COUNTY OF DESCHUTES
 CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

U.S. FOREST SERVICE C/O MT BACHELOR INC.
 1230 NE 3rd STREET, SUITE A-262
 BEND OR 97701

confirms the right to use the waters of A WELL in Todd Creek Basin for QUASI-MUNICIPAL USE.

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The period of use is year round.

The well is located as follows:

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18 S	9 E	WM	18	4	SW SW
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18 S	9 E	WM	30	4	SW SW
18 S	9 E	WM	30		SE SW
18 S	9 E	WM	30		SE 1/4
18 S	9 E	WM	31		NE 1/4
18 S	9 E	WM	31	1	NE NW
18 S	9 E	WM	31	2	NW NW

UNRECORDED

Twp	Rng	Mer	Sec	GLOT	Q-Q
18 S	9 E	WM	31		SW NW
18 S	9 E	WM	31		SE NW
18 S	9 E	WM	31		NE SW
18 S	9 E	WM	31	3	NW SW
18 S	9 E	WM	31	4	SW SW
18 S	9 E	WM	31		SE SW
18 S	9 E	WM	31		SE 1/4
18 S	9 E	WM	32		ALL
18 S	9 E	WM	33		NE 1/4
18 S	9 E	WM	33		NW 1/4
18 S	9 E	WM	33		SW 1/4
18 S	9 E	WM	33		NW SE
18 S	9 E	WM	33		SW SE
19 S	9 E	WM	4		NE NW
19 S	9 E	WM	4		NW NW
19 S	9 E	WM	5		NE NE
19 S	9 E	WM	5		NE NW
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Issued _____.

Dwight W. French
Water Right Services Administrator, for
Phillip C. Ward, Director
Water Resources Department

PROPOSED

Mailing List for Certificate

Scheduled Mailing Date:

Application: G-13943

Permit: G-12885

Certificate: *****

Permit/Certificate Holder:

U.S. FOREST SERVICE C/O MT. BACHELOR INC.
1230 NE 3RD STREET, SUITE A-262
BEND OR 97701

Copies Mailed	
by: _____	(STAFF)
on: _____	(DATE)

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2. Data Center
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4. Vault
5. File

Other persons to receive copies: (include map):

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Water Rights Specialist
Reimbursement Authority
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The period of use is year round.

*Nov 5, 2012
 demonstration =
 2.33 cfs
 OR
 2.35 cfs*

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18 S	9 E	WM	28		SE NE
18 S	9 E	WM	28		NW 1/4
18 S	9 E	WM	28		SE 1/4
18 S	9 E	WM	28		SE 1/4
18 S	9 E	WM	29		ALL
18 S	9 E	WM	30		NE 1/4
18 S	9 E	WM	30		NE NW
18 S	9 E	WM	30	1	NW NW
18 S	9 E	WM	30	2	SW NW
18 S	9 E	WM	30		SE NW
18 S	9 E	WM	30		NE SW
18 S	9 E	WM	30	3	NW SW
18 S	9 E	WM	30	4	SW SW
18 S	9 E	WM	30		SE SW
18 S	9 E	WM	30		SE 1/4
18 S	9 E	WM	31		NE 1/4
18 S	9 E	WM	31	1	NE NW
18 S	9 E	WM	31	2	NW NW

[Handwritten scribble]

SW

[Handwritten circled '1' and '2']

Twp	Rng	Mer	Sec	GLOT	Q-Q
18 S	9 E	WM	31	2	SW NW
18 S	9 E	WM	31		SE NW
18 S	9 E	WM	31		NE SW
18 S	9 E	WM	31	3	NW SW
18 S	9 E	WM	31	4	SW SW
18 S	9 E	WM	31		SE SW
18 S	9 E	WM	31		SE 1/4
18 S	9 E	WM	32		ALL
18 S	9 E	WM	33		NE 1/4
18 S	9 E	WM	33		NW 1/4
18 S	9 E	WM	33		SW 1/4
18 S	9 E	WM	33		NW SE
18 S	9 E	WM	33		SW SE
19 S	9 E	WM	4		NE NW
19 S	9 E	WM	4		NW NW
19 S	9 E	WM	5		NE NE
19 S	9 E	WM	5		NE NW
19 S	9 E	WM	5		NW NW
19 S	9 E	WM	6		NE NE
19 S	9 E	WM	6		NW NE
19 S	9 E	WM	6		SE NE
19 S	9 E	WM	6		NE NW

Measurement, recording and reporting conditions:

- A. The water user shall maintain the meter or other suitable measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.
- B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this right, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interference.

Use of water under authority of this right may be regulated if analysis of data available after the right is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alternation of the appropriation facility associated with this authorized diversion, the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge to

determine the water level elevation in the well at all times.

The Director may require water level or pump test results every ten years.

Failure to comply with any of the provisions of this right may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the right.

This right is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

Issued _____.

Dwight W. French
Water Right Services Administrator, for
Phillip C. Ward, Director
Water Resources Department

PROPOSED

Mailing List for Certificate

Scheduled Mailing Date:

Application: G-13943

Permit: G-12885

Certificate: *****

Permit/Certificate Holder:

U.S. FOREST SERVICE

Error! Reference source not found.

BEND OR 9770

Copies Mailed	
by: _____	(STAFF)
on: _____	(DATE)

+ Mt Bachelor Inc / Tom Lomax
Copies of Final Certificate to be sent to:

1. Watermaster District 11, Jeremy T. Giffin (include copy of map)
2. Data Center
3. Water Availability
4. Vault
5. File

Other persons to receive copies: (include map):

1. Sean C. Comstock, CWRE

PROPOSED

Craig Kohanek

From: Craig Kohanek
Sent: Tuesday, December 18, 2012 8:34 AM
To: tlomax@mtbachelor.com
Subject: RA Agreement for Mt. Bachelor R12008-11 involving application G-13943
Attachments: RA Certificate Contract Executed.pdf; RA Receipt.pdf

Tom,

Attached are copies of the fully executed Applicant's Agreement signed by the required parties and a receipt for the monies paid for these expedited services. The agreement details the terms and conditions under which a Work Order was issued for the expedited services that you requested.

If you have any questions concerning the agreements or the program, please contact me.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.C.Kohanek@wrд.state.or.us



**OREGON WATER RESOURCES DEPARTMENT
 CERTIFICATE REIMBURSEMENT AUTHORITY
 APPLICANT'S AGREEMENT**



Contract Number: **R12008-11**

This Agreement is between the Oregon Water Resources Department, hereafter OWRD, and Mt. Bachelor Inc, hereafter Applicants, hereafter known together as the parties.

OWRD Information	Applicant's Information	Applicant's Representative
Project Contact: R. Craig Kohanek	Name: Tom Lomax	Name: Tom Lomax
Reimbursement Authority	Title: Director Mountain Operations	Title: Rep/Contact
Oregon Water Resources Department	Company: Mt. Bachelor Inc.	Company: Mt. Bachelor Inc.
725 Summer Street, NE	Address: P.O. Box 1000	Address: P.O. Box 1000
Salem, OR 97301-1271	Bend, OR 97709-1524	Bend, OR 97709-1524
Phone: 503-986-0823	Phone: 541-382-2442	Phone: 541-693-0920
Email: Ron.c.kohanek@state.or.us	Email: tlomax@mtbachelor.com	Email: tlomax@mtbachelor.com

- Purpose.** The purpose of this Agreement is to expedite the processing of the Claim of Beneficial Use. (Application Number: ~~G-13943~~)
- Authority.** ORS 536.055 authorizes the OWRD to enter into a voluntary agreement with any applicant, permittee or regulated entity (collectively Applicant) for expediting or enhancing a regulatory process. In making this agreement, OWRD shall require the applicant to pay the full cost of expedited process.
- Restrictions.** Mt. Bachelor Inc. and OWRD agree that this Agreement shall not be construed to restrict in any way the decisions and actions by OWRD. OWRD shall be free to exercise independent judgment consistent with existing laws and regulations.
- Effective Date and Duration.** Unless otherwise terminated by non-deposit of funds by the Applicant, this Agreement shall become effective on the date on which both parties have signed the Agreement and the full deposit of the estimated cost of the proposed service has been received by OWRD.
- Consideration.** Mt. Bachelor Inc. shall pay OWRD in advance for actual costs incurred by OWRD. Mt. Bachelor Inc. agrees to pay the full amount of \$800 to OWRD prior to commencement of any work stated in this Agreement. This payment will be placed in an account administered by OWRD and drawn upon as costs are actually incurred. If the actual cost of performing the work is less than payments received, OWRD will refund the unspent balance. If the actual cost of processing exceeds the estimate, the Applicant can either elect to terminate this Agreement or amend the Agreement to reflect the increase in cost. The costs stated in this Agreement do not include the statutory application processing and filing fees.
- Confidentiality.** Mt. Bachelor Inc. agrees that any information provided to or acquired by OWRD under this Agreement will be subject to the Oregon Public Records Law and shall be considered public records.
- Indemnity.** Applicant shall defend, save, hold harmless, and indemnify the State of Oregon, OWRD, and their officers, employees, and agents from and against all claims, suits, actions, losses, damages, liabilities, costs and expenses of any nature resulting from or arising out of, or relating to the activities of Applicant or its representatives, officers, employees, contractors, or agents under this Agreement or with respect to the expedited service. The Applicant acknowledges that the Oregon Water Resources Department cannot and does not guarantee a favorable review under the subject regulatory process.

8. **Termination.** Applicant may request to terminate this agreement only in writing at anytime during the process. The Applicant agrees to pay for the work done by the Reimbursement Authority personnel up until the time of the written termination request. OWRD, upon receiving such written termination request from the Applicant, will refund any unspent balance after paying the Reimbursement Authority personnel for the work done.
9. **Funds Authorized and Available.** By its execution of this Agreement, Applicants certifies that sufficient funds are authorized and available to cover the expenditures contemplated by this Agreement.
10. **Duration of Estimate.** The Estimate of Time to complete the work is no later than one hundred and twenty days (120) days once this Agreement has been fully executed and payment of the estimated cost deposited. However, this estimate is contingent on the Applicant's expeditious resolution of any deficiency and may be affected by the Department's work load. This Estimate of Time may become null and void after thirty (30) days from the date the Applicant's Agreement is mailed. If the Applicant's Agreement is not received by the Department within thirty (30) days of mailing the Agreement, the Applicant may need to re-apply for a new estimate.
11. **Completion Date.** OWRD, by the execution of this Agreement does not guarantee the completion date indicated in this Agreement. Completion date is only an estimate and may be affected by the Department's workload, issues arising from the processing of the requested services and Applicant's timely response to requests for additional information.
12. **Captions.** The captions or headings in this Agreement are for the convenience only and in no way define limit or describe the scope or intent of any provision of this Agreement.
13. **Amendment and Merger.** The terms of this Agreement shall not be waived, altered, modified, supplemented or amended in any manner whatsoever, except by written instrument signed by both parties. Such waiver, consent, modification or change, if made, shall be effective only in the specific instance and for the specific purpose given. There are no understandings, agreements or representations, oral or written, not specified herein regarding this Agreement.
14. **Signatures.** All parties, by the authorized representative's signature below, hereby acknowledge that they have read this Agreement, understand it and agree to be bound by its terms and conditions.

Applicant: Tom Lomax
 Name: Tom Lomax
 Title: Director Mountain Operations
 Company: Mt. Bachelor Inc.
 Date: 11/29/12

For OWRD: R. Craig Kohanek
 Name: R. Craig Kohanek
 Water Rights and Adjudication Division
 Date: 12-18-2012

Mail signed Agreement to:

Craig Kohanek
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1271

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **107586**

INVOICE # _____

RECEIVED FROM: Mt. Bachelor

APPLICATION	G-13943
PERMIT	
TRANSFER	

BY: _____

CASH: CHECK:# 30336932 OTHER: (IDENTIFY) _____

TOTAL REC'D \$ 800.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES 4726 R12008-11 \$ _____
0408 OTHER: (IDENTIFY) Reimbursement Authority \$ 800.00
 0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS

0407 COPY & TAPE FEES	\$
0410 RESEARCH FEES	\$
0408 MISC REVENUE: (IDENTIFY) _____	\$
TC162 DEPOSIT LIAB. (IDENTIFY) _____	\$
0240 EXTENSION OF TIME	\$

WATER RIGHTS:

0201 SURFACE WATER	EXAM FEE	0202	RECORD FEE
0203 GROUND WATER	\$	0204	\$
0205 TRANSFER	\$		

WELL CONSTRUCTION

0218 WELL DRILL CONSTRUCTOR	EXAM FEE	0219	LICENSE FEE
LANDOWNER'S PERMIT	\$	0220	\$
OTHER (IDENTIFY) _____			

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE	\$	CARD #
0210 MONITORING WELLS	\$	CARD #
OTHER (IDENTIFY) _____		

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FW/WRD)	\$
0231 HYDRO LICENSE FEE (FW/WRD)	\$
HYDRO APPLICATION	\$

TREASURY OTHER / RDX

FUND _____ TITLE _____
 OBJ. CODE _____ VENDOR # _____
 DESCRIPTION _____ \$ _____

RECEIPT: **107586**

DATED 12-17-12 BY: ABell

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

RECEIPT # **107506**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

INVOICE # _____

RECEIVED FROM: Mt. Bachelor
BY: _____

APPLICATION	6-13943
PERMIT	
TRANSFER	

CASH: CHECK:# 30336132 OTHER: (IDENTIFY) _____

TOTAL REC'D \$ 800.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES	4726	R12008-11	\$
0408 OTHER:	(IDENTIFY)	Reimbursement Authority	\$ 800.00
0243 I/S Lease	0244 Muni Water Mgmt. Plan	0245 Cons. Water	

4270 WRD OPERATING ACCT

MISCELLANEOUS			
0407	COPY & TAPE FEES		\$
0410	RESEARCH FEES		\$
0408	MISC REVENUE: (IDENTIFY)	_____	\$
TC162	DEPOSIT LIAB. (IDENTIFY)	_____	\$
0240	EXTENSION OF TIME		\$
WATER RIGHTS:			
0201	SURFACE WATER	EXAM FEE	RECORD FEE
0203	GROUND WATER	\$	0202 \$
0205	TRANSFER	\$	0204 \$
WELL CONSTRUCTION			
0218	WELL DRILL CONSTRUCTOR	EXAM FEE	LICENSE FEE
	LANDOWNER'S PERMIT	\$	0219 \$
	OTHER (IDENTIFY)		0220 \$

0536 TREASURY 0437 WELL CONST. START FEE

0211	WELL CONST START FEE	\$	CARD #
0210	MONITORING WELLS	\$	CARD #
	OTHER (IDENTIFY)		

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233	POWER LICENSE FEE (FW/WRD)		\$
0231	HYDRO LICENSE FEE (FW/WRD)		\$
	HYDRO APPLICATION		\$

TREASURY OTHER / RDX

FUND _____ TITLE _____
OBJ. CODE _____ VENDOR # _____
DESCRIPTION _____ \$ _____

RECEIPT: **107586**

DATED: 12-17-12 BY: ABell

MT BACHELOR

Check Number: 30336932

OREGON WATER RESOURCES I OREG154

Date: 12/12/2012

Invoice Number	Date	Description	Amount	Discount	Paid Amount
CLAIMOF BEN/USE .12	11/18/2012		\$800.00	\$0.00	\$800.00

RECEIVED BY OWRD

DEC 17 2012

SALEM, OR

TOTALS: \$800.00 \$0.00 \$800.00

Craig Kohanek

From: Craig Kohanek
Sent: Monday, November 19, 2012 2:59 PM
To: tlomax@mtbachelor.com
Subject: RA Certificate Estimate for Mt. Bachelor Inc. R12008-11 involving application G-13943
Attachments: RA Certificate Contract.pdf

Tom,

Please find the attached estimate and agreement to process your permit into a certificate. If the proposed agreement is acceptable to you, please return a signed copy to our office along with the payment of the estimated cost to process it.

If you have any questions, please call me.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us



**OREGON WATER RESOURCES DEPARTMENT
 CERTIFICATE REIMBURSEMENT AUTHORITY
 ESTIMATE APPLICATION**

ORS 536.055 authorizes the Oregon Water Resources Department to expedite or enhance regulatory processes voluntarily requested under the agreement.

The purpose of this application is to obtain estimates of the cost and time required to process a Certificate Request. A separate estimate application is required for each application and/or transfer number. There is a non-refundable application fee of \$125.00 per request.

<u>REQUEST</u>	<u>TYPE</u>	<u>FILE NUMBER</u>
<input checked="" type="checkbox"/>	Certificate Request	Application Number <u>G-13943</u> Permit Number <u>G-12885</u> Transfer Number/Permit Amendment (if applicable) <u>NA</u>

	<u>Applicant Information</u>	<u>Applicant's Representative/Contact</u>
Name:	Mt. Bachelor Inc.	Tom Lomax
Address:	P.O. Box 1000	P.O. Box 1000
	Bend, OR. 97709	Bend, OR. 97709
Phone:	541-382-2442	541-693-0920
Fax:		
E-Mail Address:	tlomax@mtbachelor.com	tlomax@mtbachelor.com

I certify that I (check one):

- have previously filed a Claim of Beneficial Use
 am attaching the Claim of Beneficial Use with this request and have included the appropriate claim fee.

I understand the following:

- That upon receipt of my non-refundable application fee in the amount of **\$ 125.00**, OWRD will, within fourteen (14) days, notify me in writing of the estimates of cost and time frame for the expedited service.
- That this fee covers the reimbursement authority staff to evaluate and provide the estimate for processing of the request.
- That upon receiving the estimate I may agree or decline to enter into a formal contract to pay the estimated cost in advance to initiate the expedited service.
- An incomplete or inaccurate Claim of Beneficial Use may delay the process and increase the cost to process my request.
- Expedited processing does not guarantee a favorable review of my request.
- Send completed Application and payment to:
**Oregon Water Resources Department
 Certificate Reimbursement Authority Program
 725 Summer St. NE, Suite A
 Salem, OR 97301-1271**

RECEIVED BY OWRD

 NOV 15 2012

 SALEM, OR

I certify that I am the (check one):

- Applicant Applicant's Representative Other (Please specify) _____

Name: Tom Lomax

Signature: _____

Tom Lomax

OWRD USE ONLY: Reimbursement Authority Number: R12,008 11



**OREGON WATER RESOURCES DEPARTMENT
CERTIFICATE REIMBURSEMENT AUTHORITY
ESTIMATE APPLICATION**

ORS 536.055 authorizes the Oregon Water Resources Department to expedite or enhance regulatory processes voluntarily requested under the agreement.

The purpose of this application is to obtain estimates of the cost and time required to process a Certificate Request. A separate estimate application is required for each application and/or transfer number. There is a non-refundable application fee of \$125.00 per request.

<u>REQUEST</u>	<u>TYPE</u>	<u>FILE NUMBER</u>
<input checked="" type="checkbox"/>	Certificate Request	Application Number <u>G-13943</u> Permit Number <u>G-12885</u> Transfer Number/Permit Amendment (if applicable) <u>NA</u>

	<u>Applicant Information</u>	<u>Applicant's Representative/Contact</u>
Name:	Mt. Bachelor Inc.	Tom Lomax
Address:	P.O. Box 1000	P.O. Box 1000
	Bend, OR. 97709	Bend, OR. 97709
Phone:	541-382-2442	541-693-0920
Fax:		
E-Mail Address:	tlomax@mtbachelor.com	tlomax@mtbachelor.com

I certify that I (*check one*):

- have previously filed a Claim of Beneficial Use
 am attaching the Claim of Beneficial Use with this request and have included the appropriate claim fee.

I understand the following:

- That upon receipt of my non-refundable application fee in the amount of **\$ 125.00**, OWRD will, within fourteen (14) days, notify me in writing of the estimates of cost and time frame for the expedited service.
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- That upon receiving the estimate I may agree or decline to enter into a formal contract to pay the estimated cost in advance to initiate the expedited service.
- An incomplete or inaccurate Claim of Beneficial Use may delay the process and increase the cost to process my request.
- Expedited processing does not guarantee a favorable review of my request.
- Send completed Application and payment to:

**Oregon Water Resources Department
Certificate Reimbursement Authority Program
725 Summer St. NE, Suite A
Salem, OR 97301-1271**

I certify that I am the (*check one*):

- Applicant Applicant's Representative Other (*Please specify*) _____

Name: Tom Lomax

Signature:

OWRD USE ONLY: Reimbursement Authority Number: R11,008 11

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172

(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **10.351**

INVOICE # _____

RECEIVED FROM: Mt. Bachelor
BY: _____

APPLICATION	G13943
PERMIT	
TRANSFER	

CASH: CHECK: # 30336599 OTHER: (IDENTIFY) _____

TOTAL REC'D \$ 12500

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES 47126R 12-008-11 \$
0408 OTHER: (IDENTIFY) Reimbursement \$ 12500
Authority
0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4370 WRD OPERATING ACCT

MISCELLANEOUS

0407	COPY & TAPE FEES	\$
0410	RESEARCH FEES	\$
0408	MISC REVENUE: (IDENTIFY)	\$
TC162	DEPOSIT LIAB. (IDENTIFY)	\$
0240	EXTENSION OF TIME	\$

WATER RIGHTS:

0201	SURFACE WATER	EXAM FEE	\$	0202	RECORD FEE	\$
0203	GROUND WATER	\$		0204	\$	
0205	TRANSFER	\$				

WELL CONSTRUCTION

0218	WELL DRILL CONSTRUCTOR	EXAM FEE	\$	0219	LICENSE FEE	\$
	LANDOWNER'S PERMIT	\$		0220	\$	
	OTHER (IDENTIFY)					

0536 TREASURY 0437 WELL CONST. START FEE

0211	WELL CONST START FEE	\$	CARD #	
0210	MONITORING WELLS	\$	CARD #	
	OTHER (IDENTIFY)			

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233	POWER LICENSE FEE (FW/WRD)		\$
0231	HYDRO LICENSE FEE (FW/WRD)		\$
	HYDRO APPLICATION		\$

TREASURY OTHER / RDX

FUND _____ TITLE _____
OBJ. CODE _____ VENDOR # _____
DESCRIPTION _____ \$ _____

RECEIPT: **107351**

DATED: 12-15-12 BY: [Signature]

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172

(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **10.351**

INVOICE # _____

RECEIVED FROM: Mt. Bachelor

APPLICATION 613943

BY: _____

PERMIT _____

TRANSFER _____

CASH: _____ CHECK:# _____ OTHER: (IDENTIFY) _____

_____ 30336599

TOTAL REC'D \$ 12500

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES 47126R 12-008-11 \$ _____

0408 OTHER: (IDENTIFY) Reimbursement Authority \$ 12500

0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS

0407 COPY & TAPE FEES \$ _____

0410 RESEARCH FEES \$ _____

0408 MISC REVENUE: (IDENTIFY) _____ \$ _____

TC162 DEPOSIT LIAB. (IDENTIFY) _____ \$ _____

0240 EXTENSION OF TIME \$ _____

WATER RIGHTS:

0201 SURFACE WATER

EXAM FEE
\$ _____

 0202 \$ _____

0203 GROUND WATER

EXAM FEE
\$ _____

 0204 \$ _____

0205 TRANSFER

EXAM FEE
\$ _____

WELL CONSTRUCTION

0218 WELL DRILL CONSTRUCTOR

EXAM FEE
\$ _____

 0219 \$ _____

LANDOWNER'S PERMIT 0220 \$ _____

OTHER (IDENTIFY) _____

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE \$ _____ CARD # _____

0210 MONITORING WELLS \$ _____ CARD # _____

OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FW/WRD) _____ \$ _____

0231 HYDRO LICENSE FEE (FW/WRD) _____ \$ _____

HYDRO APPLICATION _____ \$ _____

TREASURY OTHER / RDX

FUND _____ TITLE _____

OBJ. CODE _____ VENDOR # _____

DESCRIPTION _____ \$ _____

RECEIPT: **107351**

DATED: 12-15-12 BY: [Signature]

Craig Kohanek

From: Sandra Todd
Sent: Thursday, November 15, 2012 2:54 PM
To: Lorraine Ramsey
Cc: Craig Kohanek; Dave Nelson; Salem Opeifa
Subject: RE: CERTIFICATE RA REQUEST

R12008 11 PCA 47126

Thank you.

Sandy

From: Lorraine Ramsey
Sent: Thursday, November 15, 2012 2:29 PM
To: Sandra Todd
Cc: Craig Kohanek; Dave Nelson; Salem Opeifa
Subject: CERTIFICATE RA REQUEST

Hello,

Applicant: Mt. Bachelor, Inc.

Related to Application G-13943

Receipt # 107351

Thanks,

Lorraine Ramsey
Office Specialist 1
Oregon Water Resources Department
725 Summer St. NE Ste A
Salem, OR 97301

Tel: 503-986-0800

Craig Kohanek

From: Lorraine Ramsey
Sent: Thursday, November 15, 2012 2:29 PM
To: Sandra Todd
Cc: Craig Kohanek; Dave Nelson; Salem Opeifa
Subject: CERTIFICATE RA REQUEST

Hello,

Applicant: Mt. Bachelor, Inc.

Related to Application G-13943

Receipt # 107351

Thanks,

Lorraine Ramsey
Office Specialist 1
Oregon Water Resources Department
725 Summer St. NE Ste A
Salem, OR 97301

Tel: 503-986-0800

MT BACHELOR

OREGON WATER RESOURCES I OREG154

Check Number: 30336599
Date: 11/09/2012

Invoice Number	Date	Description	Amount	Discount	Paid Amount
CERTIFICATE REQUEST	11/09/2012	G-13943	\$125.00	\$0.00	\$125.00

RECEIVED BY OWRD

NOV 15 2012

SALEM, OR

TOTALS: \$125.00 \$0.00 \$125.00

Mt. Bachelor Claim of Beneficial Use Duration Test

Application Number: G-13943

Permit Number: G-12885

Test Date: November 5, 2012

Test Began at: 11:50 AM

Test Ended at: 3:53 PM

Test Data

Time of Measurement	Domestic Meter Reading (GPM)	Snow Making System Meter Reading (GPM)	Total GPM
11:50	180	871	1051
12:07	270	775	1045
12:23	280	776	1056
12:38	280	777	1057
12:53	280	782	1062
1:08	270	779	1049
1:23	280	775	1055
1:38	280	775	1055
1:53	280	777	1057
2:08	270	777	1047
2:23	290	778	1068
2:38	280	776	1056
2:53	280	777	1057
3:08	270	776	1046
3:23	280	776	1056
3:38	270	779	1049
3:53	280	769	1049

RECEIVED BY OWRD
NOV 15 2012
SALEM, OR

Notes: Sean Comstock, CWRE, of WHPacific was on hand to witness the duration test, and to record meter readings. Tom Lomax and Gary Camp of Mt. Bachelor Inc. conducted the test. Water was pumped from the MTB-02 well. As noted in the COBU application, the well pump has two discharge lines. One line supplies water to the West Village water storage tank, while the other supplies water to the suction side of two booster pumps used to supply water to the snow making system. During the duration test, water was used to fill the West Village storage tank, to test snow making hydrants which were used to provide irrigation water to vegetation on ski slopes for erosion protection, and to test West Village fire hydrants. There are two meters - one that measures flow to the storage tank, and another that measures flow supplied to the snow making system. Readings from the meters were summed to determine the total output of water beneficially used.

WORK COPY

STATE OF OREGON

COUNTY OF DESCHUTES

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

UNITED STATES FOREST SERVICE C/O MT BACHELOR INC.
PO BOX 1031
BEND, OREGON 97709

(541)382-2442

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-13943

SOURCE OF WATER: ONE WELL IN TODD CREEK BASIN

PURPOSE OR USE: QUASI-MUNICIPAL

MAXIMUM RATE: 3.34 CUBIC FEET PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: JANUARY 13, 1995

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, SECTION 20, T18S, R9E, W.M.;
1128 FEET SOUTH AND 2038 FEET EAST FROM THE NW CORNER SECTION 20

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SE 1/4
SW 1/4
SECTION 13
NE 1/4
SE 1/4
SECTION 24
ALL
SECTION 25
ALL
SECTION 36
TOWNSHIP 18 SOUTH, RANGE 8 EAST, W.M.
SW 1/4
SW 1/4 SE 1/4
SECTION 17
SW 1/4 NE 1/4
SE 1/4 NE 1/4
SW 1/4
SE 1/4
SECTION 18
ALL
SECTION 19
ALL
SECTION 20

Application G-13943 Water Resources Department

PERMIT G-12885

WORK COPY

NW 1/4 SW 1/4
SW 1/4 SW 1/4
SE 1/4 SW 1/4
SECTION 21
NW 1/4 NE 1/4
SW 1/4 NE 1/4
SE 1/4 NE 1/4
NW 1/4
SW 1/4
SE 1/4

SECTION 28

ALL

SECTION 29

ALL

SECTION 30

ALL

SECTION 31

ALL

SECTION 32

ALL

SECTION 33

NW 1/4

SW 1/4

SECTION 34

TOWNSHIP 18 SOUTH, RANGE 9 EAST, W.M.

NE 1/4 NE 1/4

NW 1/4 NE 1/4

SECTION 1

TOWNSHIP 19 SOUTH, RANGE 8 EAST, W.M.

NE 1/4 NW 1/4

NW 1/4 NW 1/4

SECTION 4

NE 1/4 NE 1/4

NW 1/4 NE 1/4

NE 1/4 NW 1/4

NW 1/4 NW 1/4

SECTION 5

NE 1/4

NW 1/4

SECTION 6

TOWNSHIP 19 SOUTH, RANGE 9 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director.

Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

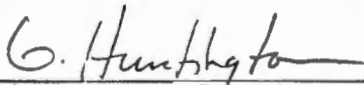
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

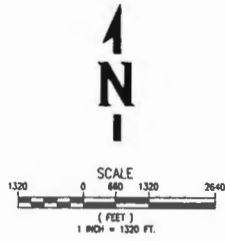
Actual construction of the well shall begin within one year from permit issuance, and shall be completed on or before October 1, 1998. Complete application of the water to the use shall be made on or before October 1, 1999.

Issued October 25, 1996



Martha O. Pagel, Director
Water Resources Department

B08
C09



UNITED STATES FOREST SERVICE C/O MT. BACHELOR INC.
 CLAIM OF BENEFICIAL USE MAP
 APPLICATION G-13843, PERMIT G-12885
 SEPTEMBER, 2010
 LOCATED WITHIN TOWNSHIP 18 SOUTH, RANGE 9 EAST, W.M.
 TOWNSHIP 18 SOUTH, RANGE 8 EAST, W.M.,
 TOWNSHIP 19 SOUTH, RANGE 9 EAST, W.M.

LEGEND

- EXISTING WELL LOCATION
- SECTION LINE
- - - QUARTER SECTION LINE
- - - SIXTEENTH SECTION LINE
- - - AREA OF USE FOR GRASS-HAY/PASTURE, WATER RIGHT (PERMIT G-12885)

POINT OF APPROPRIATION (MTR-02):
 TOWNSHIP 18 SOUTH, RANGE 9 EAST, W.M., SECTION 20,
 SE 1/4, NW 1/4.
 LOCATION: 1447' SOUTH AND 2256' EAST FROM THE
 NORTHWEST CORNER OF SECTION 20.

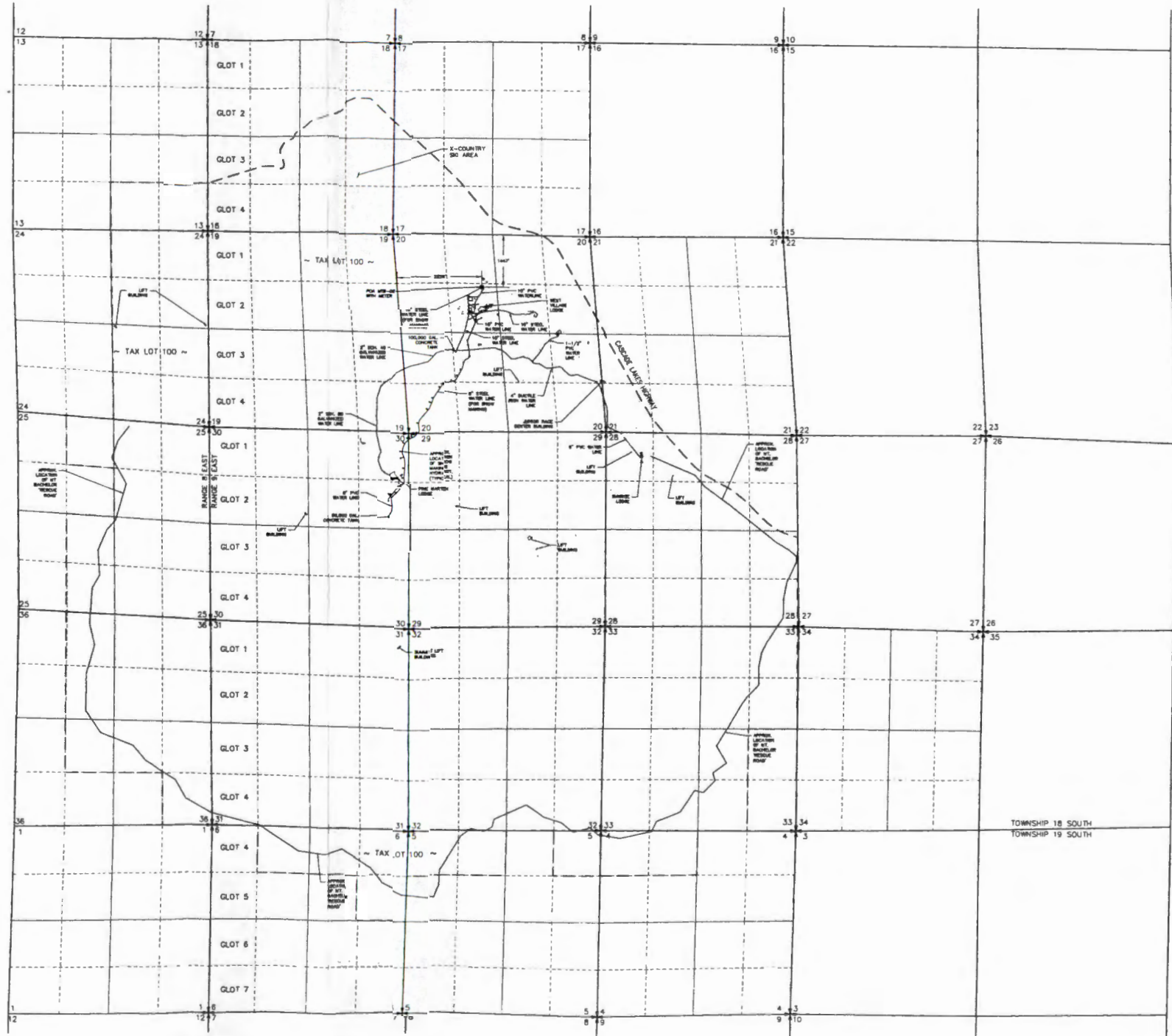
COBU MAP #0538



NOTE: THIS MAP WAS PREPARED FOR THE PURPOSE
 OF IDENTIFYING THE LOCATION OF WATER RIGHTS.
 THIS MAP IS NOT INTENDED TO PROVIDE LEGAL DIMENSIONS
 OR LOCATIONS OF PROPERTY OWNERSHIP LINES.

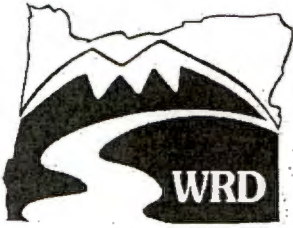
NOTE: THE LOCATIONS OF FEATURES SHOWN ON THIS MAP
 WERE OBTAINED FROM WHPACIFIC AS-BUILT CONSTRUCTION
 DRAWINGS, WHPACIFIC SURVEY TOPOGRAPHIC DATA,
 DESCHUTES COUNTY GIS, FIELD MAPPING USING A
 GEODEXPLORER MODEL NUMBER 79000-00 HAND HELD GPS
 RECEIVER, AERIAL AUTOCAD INFORMATION AND FROM
 INTERVIEWING MT. BACHELOR INC. STAFF.

WHPacific
 123 SW Columbia Street
 Bend, OR 97702
 541-388-4258 Fax 541-388-4228
 www.whpacific.com



Completion Checklist for CWRE Claims of Beneficial Use

Application # G-13743



Date Received 12-30-2010
CWRE Name Sean Comstock Claim Logged _____
File Marked _____
Oversized Map # _____
Read the file and attach a copy of the permit or transfer final order. _____

"C" = Oct 1, 2009 (Ext)

Map Review:

DEF Map on polyester film (OAR 690-014-0100(1) & 310-0050(1)(b))
1 Application # _____ (OAR 690-014-0100(1))

Need to write a thorough deficiency letter - email - what's needed to proceed - map on polyester film

Submitted copy of App map. Need a "COBU" map meeting these standards. Map needs to identify Q&Q's where water has been used.

- 4 & 310-0050)
- the original full-size scale of the county assessor map) (014 & 310)
- ers (OAR 690-310-0050(4)
- 0-014-0170(3)
- rated) (OAR 690-014(4) & 690-310-0050)
- inates)(OAR 690-014(4) & 690-310-0050)
- elines, ditches, etc.) (OAR 690-310-0050)
- point of diversion or appropriation, of any fish screens, by-pass devices,
- 014(4)
- s within DLCs, or Gov Lots; if irrigation, # of acres in each subdivision;
- on of dwelling or spigot) (OAR 690-310-0050, 690-014, 690-380-

- (OAR 690-014-0100(1))
- (OAR 690-014)
- (OAR 690-014)
- Date of survey (OAR 690-014)
- Person interviewed (OAR 690-014)
- County (OAR 690-014)
- Description of conveyances system (from POD to POU) (OAR 690-014-0100)
- Source(s) of water (OAR 690-014-0100)
- Use, period of use, and rate for use (OAR 690-014-0100)
- Place of use location (OAR 690-014-0100)
- Type of use (OAR 690-014-0100) *Quasi-mud i.*
- Extent of use (OAR 690-014-0100)
- Rate and Duty (OAR 690-014-0100)
- Diversion rate for each use (OAR 690-014-0100)
- Diversion works description (pump make, serial model, capacity, and description) (OAR 690-014-0100)
- System capacity (OAR 690-014-0100)
 - Calculated capacity of system (required)
 - Measured amount of use (optional)
- Permit/Transfer Final Order Conditions (OAR 690-014-0100)
 - Time limits
 - N/A* Initial water level measurements
 - N/A* Annual static water level measurements
 - Measurement, recording, and reporting
 - Meter/measuring device
 - Water use reporting
 - N/A* Fish screening and/or by-pass
 - Pump test (ground water) *Approved By K. Brite*
 - Other conditions

3,341 ac-ft in 4 1/8

- CWRE stamp and signature (OAR 690-014-0100)
- Signature(s) of permittee of transfer holder (OAR 690-014-0100)

Floor - 4 1/8 - Acceptable - m.p.

DEF = deficient
N/A = Not Applicable

Completion Checklist for CWRE Claims of Beneficial Use

Application # G-13743

Date Received 9-30-2010

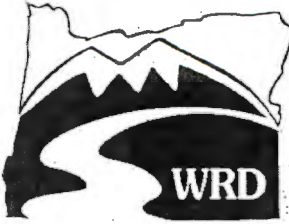
CWRE Name Sean Comstock

Claim Logged _____

File Marked _____

Oversized Map # _____

Read the file and attach a copy of the permit or transfer final order. _____



"C" = Oct 1, 2009 (EX)

Map Review:

- DEF Map on polyester film (OAR 690-014-0170(1) & 310-0050(1)(b))
- Application & permit #; or transfer # (OAR 690-014-0100(1))
- Disclaimer (OAR 690-014-0170(5))
- North arrow (OAR 690-310-0050(2)(c))
- CWRE stamp and signature (OAR 690-014 & 310-0050)
- Appropriate scale (1" = 1320', 1" = 400', or the original full-size scale of the county assessor map) (014 & 310)
- Township, range, section, and tax lot numbers (OAR 690-310-0050(4))
- Source illustrated if surface water (OAR 690-014-0170(3))
- Point(s) of diversion or appropriation (illustrated) (OAR 690-014(4) & 690-310-0050)
- Point(s) of diversion or appropriation (coordinates) (OAR 690-014(4) & 690-310-0050)
- Conveyance structures illustrated (pump, pipelines, ditches, etc.) (OAR 690-310-0050)
- Description of the location, in relation to the point of diversion or appropriation, of any fish screens, by-pass devices, and measuring devices required (OAR 690-014(4))
- Place of use (1/4 1/4, or projected 1/4 1/4 lines within DLCs, or Gov Lots; if irrigation, # of acres in each subdivision; if for domestic or human consumption, location of dwelling or spigot) (OAR 690-310-0050, 690-014, 690-380-6010)

*Submitted copy of App map.
* Need a "COBU" map meet these standards
Map needs to ident Q&S where water has been used.*

Report Review:

- On form or format provided by the Department (OAR 690-014-0100(1))
- Application & permit #; or transfer # (OAR 690-014)
- Ownership information (OAR 690-014)
- Date of survey (OAR 690-014)
- Person interviewed (OAR 690-014)
- County (OAR 690-014)
- Description of conveyances system (from POD to POU) (OAR 690-014-0100)
- Source(s) of water (OAR 690-014-0100)
- Use, period of use, and rate for use (OAR 690-014-0100)
- Place of use location (OAR 690-014-0100)
- Type of use (OAR 690-014-0100) *Quasi-mud.*
- Extent of use (OAR 690-014-0100)
- Rate and Duty (OAR 690-014-0100)
- Diversion rate for each use (OAR 690-014-0100)
- Diversion works description (pump make, serial model, capacity, and description) (OAR 690-014-0100)
- System capacity (OAR 690-014-0100)
 - Calculated capacity of system (required)
 - Measured amount of use (optional)
- Permit/Transfer Final Order Conditions (OAR 690-014-0100)
 - Time limits
 - N/A* Initial water level measurements
 - N/A* Annual static water level measurements
 - Measurement, recording, and reporting
 - Meter/measuring device
 - Water use reporting
 - N/A* Fish screening and/or by-pass
 - Pump test (ground water) *Approved By K. bite*
 - Other conditions

3.32 acres in 4 1/8

- CWRE stamp and signature (OAR 690-014-0100)
- Signature(s) of permittee or transfer holder (OAR 690-014-0100)

Flow - 4 1/8 - Acceptable - m.p.

DEF = deficient
N/A = Not Applicable

Certificate Issuance Processing Checklist

- Map and COBU reviewed
- Conflict check (include copy of plat card printout) Any Conflicts? _____
- Check for ownership

- Extensive -

Staff Recommendations:

- _____ Proof to the Satisfaction has been established to the full extent as described in the permit or transfer order.
- _____ Proof to the Satisfaction has been not been established to the full extent as described in the permit or transfer order and the right should be limited as follows: _____
- _____ Proof to the Satisfaction has not been established for the following reasons: _____
Proposed Actions:
Send letter requesting the following items/information: _____
Send letter recommending extension to cure deficiencies: _____

Can certificate be processed further?
_____ Yes

If "Yes":
_____ Proposed
_____ Final Certificate # _____

Mailing list:

Proposed:

Final:

September 28, 2010

Oregon Water Resources Department
725 Summer St. NE, Suite A
Salem, OR. 97301-1266

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SEP 30 2010

WATER RESOURCES DEPT
SALEM, OREGON

**RE: US Forest Service C/O Mt. Bachelor, Inc.
Deschutes County, Oregon
Claim of Beneficial Use Application
Application No. G-13943
Permit No. G-12885**

WHP File #037198

Gentleman/Ladies:

I have enclosed a Claim of Beneficial Use Application for Permit No. G-12885, Claim of Beneficial Use Application Map, and Final Order and Department cover letter for Permit No. G-12885. Your review, processing, and approval are respectfully requested.

The Claim of Beneficial Use survey was compiled with the assistance of Mt. Bachelor Inc. and the US Forest Service. The following comments are intended to provide a short history of the water rights to assist with your review of the application and map.

The United States Forest Service, (care of Mt. Bachelor Inc.), submitted an application for a groundwater permit on January 13, 1995. This application was submitted because Mt. Bachelor Inc. required a new well to supply water under a quasi-municipal purpose to proceed with ski resort facility expansions and upgrades. The application was approved by the Oregon Water Resources Department (OWRD) on October 25, 1996 per Permit No. G-12885.

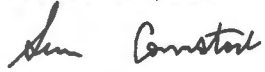
Permit G-12885 required that actual well construction begin within one year of permit issuance and construction was to be completed on or before October 1, 1998. Complete application of the water to the full beneficial use was to be accomplished by October 1, 1999. Form 'A' was submitted to the OWRD on August 26, 1997 to document the beginning date of well construction. On February 5, 1999, the United States Forest Service (care of Mt. Bachelor Inc.) submitted an application to the OWRD for an extension of time. The Final Order for the Extension of Time for Permit Number G-12885 was approved on January 26, 2000. The final order extended the time to complete construction to October 1, 2008 and extended the date to apply water to the full beneficial use to October 1, 2009. The permit also required the permittee to submit a written progress report to the OWRD by October 1, 2004. This report was submitted on September 20, 2004, and described work completed to comply with the new time limits.

Please review the attached materials and contact me with any questions or needs for additional information. The water user has elected to submit an application to obtain an

estimate of the cost and time required to process a Certificate Request. Please find the attached form and check. We appreciate your review and look forward to your response.

Sincerely,

WHPacific, Inc.



Sean C. Comstock, P.E., C.W.R.E.
Project Engineer

CC: Mr. Tom Lomax – Mt. Bachelor Inc.
Mr. Gary Camp – Mt. Bachelor Inc.
Mr. Rick Wesler – US Forest Service
Mr. Ron Hand – WHPacific, Inc.

TRANSMITTAL

Date: September 29, 2010

RE: Claim of Beneficial Use for G-12885

To: Gerry Clark

From: Sean Comstock, PE, CWRE *SC*

Company: Oregon Water Resources Department

Title: Project Engineer

Phone: 503-986-0811

Phone: 541-312-2737

Fax: _____

Fax: 541-388-4299

Address: 725 Summer St. NE, Suite A

Salem, Oregon 97301-1266

Project #: 037198.1100

Project Name: Mt. Bachelor Claim of Beneficial Use

For: Per Your Request Your Review / Comment Your Approval / Signature Your Use / Files
 Other _____

We Are Transmitting: Herewith Under Separate Cover

The Following:

QUANTITY	DESCRIPTION
1	Claim of Beneficial Use Application for G-12885, (Application No. G-13943) (and check in the amount of \$150 from Mt. Bachelor Inc.)
1	Claim of Beneficial Use Map for G-12885, (Application No. G-12885)
1	Attachments for Claim of Beneficial Use
1	Cover Letter
1	Certiciate Reimbursement Authority Estimate Application (and Check in the amount of \$125 from Mt. Bachelor, Inc.)

Comments:

Gerry,
Please find the materials listed in the above table. Don't hesitate to contact me with any questions or concerns. We look forward to your review and response.

Thank You.

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WATER RESOURCES DEPT
SALEM, OREGON

CLAIM OF BENEFICIAL USE for Permits claiming more than 0.1 cfs and All Transfers



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

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WATER RESOURCES DEPT
SALEM, OREGON

A fee of \$150 must accompany this form to be accepted for permits with a priority date of July 9, 1987, or later. (ORS 536.050(1))

A separate form shall be completed for each permit.

In cases where a permit has been amended through the permit amendment process, a separate claim for the permit amendment is not required. Incorporate the permit amendment into the claim for the permit.

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at: http://www.wrd.state.or.us/OWRD/WR/cwre_info.shtml#.

The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. **Every item must have a response.** If any requested information does not apply to the claim, insert "NA." **Do not delete or alter any section of this form unless directed by the form.** The Department may require the submittal of additional information from any water user or authorized agent.

If you have questions regarding the completion of this form, please call 503-986-0900 and ask for the Certificate Section.

The Department has a program that allows it to enter into a voluntary agreement with an applicant for expedited services. Under such an agreement, the applicant pays the cost to hire additional staff that would not otherwise be available. This program means a certificate may be issued in about a month. For more information on this program see http://www.wrd.state.or.us/OWRD/mgmt_reimbursement_authority.shtml.

SECTION 1

GENERAL INFORMATION

1. File Information

APPLICATION # (G, R, S OR T) G-13943	PERMIT # (IF APPLICABLE) G-12885	PERMIT AMENDMENT # (IF APPLICABLE) NA
--	--	---

2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME U.S. Forest Service C/O Mt. Bachelor Inc.	PHONE NO. 541-383-5300	ADDITIONAL CONTACT NO. 541-419-6243
ADDRESS 1230 NE 3rd Street, Suite A-262		
CITY Bend	STATE OR.	ZIP 97701
E-MAIL		

If the current property owner is not the permit or transfer holder of record, it is recommended that an assignment be filed with the Department. **The COBU must be signed by the permit or transfer holder of record.**

3. Is the Property Owner the permit or transfer holder of record?

YES

If "YES" the remainder of this item may be deleted.

4. Date of Site Inspection: **September 8th, 2010**

5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
Gary Camp	9/08/10	Mt. Bachelor Ski Resort Base Area Superintendent – Oversees facilities maintenance, transportation, housekeeping, etc., at the ski resort.
Tom Lomax	9/08/10	Mt. Bachelor Ski Resort Manager

6. County: **Deschutes**

7. If any property described in the place of use of the permit or transfer final order is excluded from this report, identify the owner of record for that property (ORS 537.230(4)):

**Mark "NA" if there are no owners of property not included in this claim

OWNER OF RECORD NA		
ADDRESS		
CITY	STATE	ZIP

Are there additional Owners of Record?

NO

SECTION 2

SYSTEM DESCRIPTION

A. Points of Diversion/Appropriation

1. Point of diversion/appropriation name or number:

POINT OF DIVERSION/APPROPRIATION (POD/POA) NAME OR NUMBER (CORRESPOND TO MAP)	WELL LOG ID # FOR ALL WORK PERFORMED ON THE WELL (IF APPLICABLE)	WELL TAG # (IF APPLICABLE)
MTB-02	DESC 9563	NA

Attach each well log available for the well (include the log for the original well and any subsequent alterations, reconstructions, or deepenings).

2. Point of diversion/appropriation source and, if from surface water, the tributary:

POD/POA NAME OR NUMBER	SOURCE	TRIBUTARY
MTB-02	One Well in Todd Creek Basin	NA

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WATER RESOURCES DEPT
SALEM, OREGON

3. Developed use(s), period of use, and rate for each use:

POD/POA NAME OR NUMBER	USES	IF IRRIGATION, LIST CROP TYPE	SEASON OR MONTHS WHEN WATER WAS USED	RATE OR VOLUME FOR USE (CFS, GPM, OR AF)
MTB-02	Quasi-Municipal	NA	Year Round	3.34 CFS
Total Quantity of Water Used				Not to exceed 3.34 CFS

4. Provide a general narrative description of the distribution works. This description must trace the water system from each point of diversion or appropriation to the place of use:

Water for the Quasi-Municipal use is supplied to the Mt. Bachelor Ski Resort by the MTB-02 well, (see attached map for location). Overall, this well is approximately 1038 feet deep. A 15 stage deep turbine pump delivers water to the surface from the well, and is set at a depth of approximately 860 feet. The pump has two 10" discharge water lines.

One 10" discharge water line from the well pump is used to supply water to the West Village area and to fill a 100,000 gallon buried concrete tank.

The second 10" discharge line from the well pump delivers water to the suction side of two 300 HP booster pumps. These pumps are used to supply water to the snowmaking system. One pump can be run at a time, or both can be run together depending on demand. These pumps supply water via a 10" discharge pipe to an 8" main that is connected to snowmaking hydrants. The hydrants and snow guns create snow as needed in the vicinity of the Pine Marten ski run.

There are two 10 HP submersible pumps located at the 100,000 gallon tank. A 2" discharge line from these pumps supplies water to a 50,000 gallon buried concrete tank located near the Pine Marten Lodge. At the Pine Marten Lodge, the 2" line connects to an 8" line which is used to both fill the reservoir and supply domestic and fire protection water to the lodge.

There is also a 4" gravity water line that exits the 100,000 gallon tank. This 4" gravity line provides water service for domestic and fire protection purposes to the maintenance, Junior Race Center and Sunrise Lodge buildings. At the Junior Race Center building, the 4" pipe connects to a 6" gravity line which supplies water to the Sunrise Lodge.

As needed during the summer and fall, irrigation hand lines are connected to the snow hydrants. This water is used to re-establish native vegetation necessary to stabilize slopes in areas subject to erosion within ski trails and lift corridors.

The resort has also built and utilizes a 'rescue road' (see COBU map) for a variety of purposes. This road is used by ski patrols to rescue lost skiers, for snow mobile tours and for fire patrol in the summer. A loaded water truck utilizes the road for fire patrol efforts.

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**WATER RESOURCES DEPT
SALEM, OREGON**

SECTION 2

SYSTEM DESCRIPTION (B through H)

Are there multiple PODs or POAs?

NO

If "YES" you will need to copy and complete Sections 2B through 2H for each POD/POA.

POD/POA Name or Number this section describes (only needed if there is more than one):

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SALEM, OREGON

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SEP 30 2010

WATER RESOURCES DEPT
SALEM, OREGON

NO

B. Place of Use

1. Is the right for municipal use?

If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	Q-Q	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
18 S	8 E	W.M.	13	SE-SE					
18 S	8 E	W.M.	13	SW-SE					
18S	8E	W.M.	24	NW-NE					
18S	8E	W.M.	24	SE-NE					
18S	8E	W.M.	24	SW-NE					
18S	8E	W.M.	24	NE-NE					
18S	8E	W.M.	24	NW-SE					
18S	8E	W.M.	24	SW-SE					
18S	8E	W.M.	24	NE-SE					
18S	8E	W.M.	24	SE-SE					
18S	8E	W.M.	25	NW-NE					
18S	8E	W.M.	25	SW-NE					
18S	8E	W.M.	25	NE-NE					
18S	8E	W.M.	25	SE-NE					
18S	8E	W.M.	25	NW-SE					
18S	8E	W.M.	25	NE-SE					
18S	8E	W.M.	25	SW-SE					
18S	8E	W.M.	25	SE-SE		NA	Quasi- Municipal	NA	NA
18S	8E	W.M.	25	NE-SW					
18S	8E	W.M.	25	SE-SW					
18S	8E	W.M.	25	NE-NW					
18S	8E	W.M.	36	NE-NW					
18S	8E	W.M.	36	SE-NW					
18S	8E	W.M.	36	NE-SW					
18S	8E	W.M.	36	NW-NE					
18S	8E	W.M.	36	SW-NE					
18S	8E	W.M.	36	NE-NE					
18S	8E	W.M.	36	SE-NE					
18S	8E	W.M.	36	NW-SE					
18S	8E	W.M.	36	NE-SE					
18S	8E	W.M.	36	SE-SE					
18S	9E	W.M.	17	NW-SW					
18S	9E	W.M.	17	SW-SW					
18S	9E	W.M.	17	SE-SW					
18S	9E	W.M.	17	NE-SW					
18S	9E	W.M.	17	SW-NW					
18S	9E	W.M.	18	SE-NE					
18S	9E	W.M.	18	SW-NE					
18S	9E	W.M.	18	NW-SE					

TWP	RNG	MER	SEC	Q-Q	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
18S	9E	W.M.	18	SW-SE					
18S	9E	W.M.	18	NE-SE					
18S	9E	W.M.	18	SE-SE					
18S	9E	W.M.	18	NW-SW	3				
18S	9E	W.M.	18	SW-SW	4				
18S	9E	W.M.	18	NE-SW					
18S	9E	W.M.	18	SE-SW					
18S	9E	W.M.	21	SW-NW		NA	Quasi-Municipal	NA	NA
18S	9E	W.M.	21	NW-SW					
18S	9E	W.M.	21	SW-SW					
18S	9E	W.M.	21	SE-SW					
18S	9E	W.M.	20	NW-NW					
18S	9E	W.M.	20	NE-NW					
18S	9E	W.M.	20	SW-NW					
18S	9E	W.M.	20	SE-NW					
18S	9E	W.M.	20	NW-NE					
18S	9E	W.M.	20	NE-NE					
18S	9E	W.M.	20	SW-NE					
18S	9E	W.M.	20	SE-NE					
18S	9E	W.M.	20	NW-SW					
18S	9E	W.M.	20	NE-SW					
18S	9E	W.M.	20	SW-SW					
18S	9E	W.M.	20	SE-SW					
18S	9E	W.M.	20	NW-SE					
18S	9E	W.M.	20	NE-SE					
18S	9E	W.M.	20	SW-SE		NA	Quasi-Municipal	NA	NA
18S	9E	W.M.	20	SE-SE					
18S	9E	W.M.	19	NW-NW	1				
18S	9E	W.M.	19	NE-NW					
18S	9E	W.M.	19	SW-NW	2				
18S	9E	W.M.	19	SE-NW					
18S	9E	W.M.	19	NW-NE					
18S	9E	W.M.	19	NE-NE					
18S	9E	W.M.	19	SW-NE					
18S	9E	W.M.	19	SE-NE					
18S	9E	W.M.	19	NW-SW	3				
18S	9E	W.M.	19	NE-SW					
18S	9E	W.M.	19	SW-SW	4				
18S	9E	W.M.	19	SE-SW					
18S	9E	W.M.	19	NW-SE					
18S	9E	W.M.	19	NE-SE					
18S	9E	W.M.	19	SW-SE					
18S	9E	W.M.	19	SE-SE					
18S	9E	W.M.	28	NW-NW					
18S	9E	W.M.	28	NE-NW					

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TWP	RNG	MER	SEC	Q-Q	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
18S	9E	W.M.	28	SW-NW					
18S	9E	W.M.	28	SE-NW					
18S	9E	W.M.	28	NW-NE					
18S	9E	W.M.	28	SW-NE					
18S	9E	W.M.	28	SE-NE					
18S	9E	W.M.	28	NW-SW					
18S	9E	W.M.	28	NE-SW					
18S	9E	W.M.	28	SW-SW					
18S	9E	W.M.	28	SE-SW					
18S	9E	W.M.	28	NW-SE					
18S	9E	W.M.	28	NE-SE					
18S	9E	W.M.	28	SW-SE					
18S	9E	W.M.	28	SE-SE					
18S	9E	W.M.	29	NW-NW					
18S	9E	W.M.	29	NE-NW					
18S	9E	W.M.	29	SW-NW					
18S	9E	W.M.	29	SE-NW					
18S	9E	W.M.	29	NW-NE					
18S	9E	W.M.	29	NE-NE					
18S	9E	W.M.	29	SW-NE					
18S	9E	W.M.	29	SE-NE		NA	Quasi-Municipal	NA	NA
18S	9E	W.M.	29	NW-SW					
18S	9E	W.M.	29	NE-SW					
18S	9E	W.M.	29	SW-SW					
18S	9E	W.M.	29	SE-SW					
18S	9E	W.M.	29	NW-SE					
18S	9E	W.M.	29	NE-SE					
18S	9E	W.M.	29	SW-SE					
18S	9E	W.M.	29	SE-SE					
18S	9E	W.M.	30	NW-NW	1				
18S	9E	W.M.	30	NE-NW					
18S	9E	W.M.	30	SW-NW	2				
18S	9E	W.M.	30	SE-NW					
18S	9E	W.M.	30	NW-NE					
18S	9E	W.M.	30	NE-NE					
18S	9E	W.M.	30	SW-NE					
18S	9E	W.M.	30	SE-NE					
18S	9E	W.M.	30	NW-SW	3				
18S	9E	W.M.	30	NE-SW					
18S	9E	W.M.	30	SW-SW	4				
18S	9E	W.M.	30	SE-SW					
18S	9E	W.M.	30	NW-SE					
18S	9E	W.M.	30	NE-SE					
18S	9E	W.M.	30	SW-SE					

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TWP	RNG	MER	SEC	Q-Q	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
18S	9E	W.M.	30	SE-SE					
18S	9E	W.M.	31	NW-NE					
18S	9E	W.M.	31	NE-NE					
18S	9E	W.M.	31	SW-NE					
18S	9E	W.M.	31	SE-NE					
18S	9E	W.M.	31	NW-NW	1				
18S	9E	W.M.	31	NE-NW					
18S	9E	W.M.	31	SW-NW	2				
18S	9E	W.M.	31	SE-NW					
18S	9E	W.M.	31	NW-SW	3				
18S	9E	W.M.	31	NE-SW					
18S	9E	W.M.	31	SW-SW	4				
18S	9E	W.M.	31	SE-SW					
18S	9E	W.M.	31	NW-SE					
18S	9E	W.M.	31	NE-SE					
18S	9E	W.M.	31	SW-SE					
18S	9E	W.M.	31	SE-SE					
18S	9E	W.M.	32	NW-NW					
18S	9E	W.M.	32	NE-NW					
18S	9E	W.M.	32	SW-NW					
18S	9E	W.M.	32	SE-NW					
18S	9E	W.M.	32	NW-NE					
18S	9E	W.M.	32	NE-NE					
18S	9E	W.M.	32	SW-NE					
18S	9E	W.M.	32	SE-NE					
18S	9E	W.M.	32	NW-SW					
18S	9E	W.M.	32	NE-SW					
18S	9E	W.M.	32	SW-SW					
18S	9E	W.M.	32	SE-SW					
18S	9E	W.M.	32	NW-SE					
18S	9E	W.M.	32	NE-SE					
18S	9E	W.M.	32	SW-SE					
18S	9E	W.M.	32	SE-SE					
18S	9E	W.M.	33	NW-NW					
18S	9E	W.M.	33	NE-NW					
18S	9E	W.M.	33	SW-NW					
18S	9E	W.M.	33	SE-NW					
18S	9E	W.M.	33	NW-NE					
18S	9E	W.M.	33	NE-NE					
18S	9E	W.M.	33	SW-NE					
18S	9E	W.M.	33	SE-NE					
18S	9E	W.M.	33	NW-SW					
18S	9E	W.M.	33	NE-SW					
18S	9E	W.M.	33	SW-SW					
18S	9E	W.M.	33	SE-SW					

NA

Quasi-Municipal

NA

NA

NA

Quasi-Municipal

NA

NA

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TWP	RNG	MBR	SEC	Q-Q	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
18S	9E	W.M.	33	NW-SE					
18S	9E	W.M.	33	SW-SE					
19S	9E	W.M.	6	NE-NW					
19S	9E	W.M.	6	NW-NE					
19S	9E	W.M.	6	NE-NE					
19S	9E	W.M.	6	SE-NE	NA	NA	Quasi-Municipal	NA	NA
19S	9E	W.M.	5	NW-NW					
19S	9E	W.M.	5	NE-NW					
19S	9E	W.M.	5	NE-NE					
19S	9E	W.M.	4	NW-NW					
19S	9E	W.M.	4	NE-NW					
Total Acres Irrigated								NA	NA

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (Gov Lot), Quarter-Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, Gov Lot, and QQ.

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C. Diversion and Delivery System Information

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Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and apply the water from the point of diversion/appropriation to the place of use.

1. Is a pump used?

YES

If "NO" items 2 through item 6 may be deleted.

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Robbco Pumps	12CHE (15 Stage)	NA	Turbine	8"	10"
Flowserve	10ELL-9	0210MS0023 98-1	Centrifugal	10"	10"
Flowserve	10ELL-9	0210MS0023 98-2	Centrifugal	10"	10"
Grundfos	D10310075- D10311US1 076	NA	Submersible (TWO PUMPS AT THE 100,000 GAL. TANK).	2"	2"

NOTE:

The Robbco pump is the well pump used to transport and apply water from POA MTB-02. The Flowserve pumps are the booster pumps used for the snow making system. The Grundfos pumps are located within the 100,000 gallon tank and provide water to the Pine Marten Lodge and 50,000 gallon concrete tank. I was unable to obtain the serial numbers for the Robbco Pump and Grundfos pumps because these pumps are submerged.

3. Motor Information

MANUFACTURER	HORSEPOWER
Titan Inc.	450
General Electric	300
Franklin	10

NOTE:

The Titan Inc. motor is for the well pump (MTB-02). The General Electric motor is the motor used for each booster pump for the snowmaking system. The Franklin motor is used for the submersible pumps located at the 100,000 gallon concrete tank.

4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
450	NA	795 feet	0 feet	3.45
300	100	0	50 feet	6.52
10	600	0	1340 feet	0.053

5. Provide pump calculations:

Well Pump:

$Q_{pump} = [(450 \text{ HP} \times (550 \text{ ft lb/sec/HP}) \times (0.80))] / [(62.4 \text{ lb/cf}) \times (921 \text{ ft})] = \underline{3.45 \text{ cfs}}$ (Pump for POA MTB-02)

Note: An operating pressure was not measured in the field for the well pump. Please see the attached head loss calculations for the well pump for POA MTB-02.

Booster Pumps:

$[(100 \text{ psi}/0.433) \times (1.1)] = 254 \text{ feet}$

$Q_{pump} = [(300 \text{ HP} \times 550 \text{ ft lb./sec/HP}) \times (0.75)] / [(62.4 \text{ lb/cf}) \times (50 \text{ ft} + 254 \text{ ft})] = \underline{6.52 \text{ cfs}}$ (One booster pump).

Note: An operating pressure for the booster pumps was not measured in the field. Mt. Bachelor Inc. staff reported that 100 psi is a typical operating pressure for these pumps. (50 feet is the approximate vertical lift to the first snow making hydrant).

Submersible Tank Pumps:

$[(600 \text{ psi}/0.433) \times (1.1)] = 1524 \text{ feet}$

$Q_{pump} = [(10 \text{ HP}) \times (550 \text{ ft lb/sec/HP}) \times (0.80)] / [(62.4 \text{ lb/cf}) \times (1340 \text{ feet})] = \underline{0.053 \text{ cfs}}$ (One submersible pump at the 100,000 gallon tank).

Note: An operating pressure for the submersible pumps at the 100,000 gallon tank was not measured in the field. Mt. Bachelor Inc. staff reported that 600 psi is a typical operating pressure for these pumps. This high operating pressure is necessary due to the approximate 1340' of elevation difference between the two tanks.

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6. Measured Pump Capacity (using meter if meter was present and system was operating)

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
29,369,000 gal.	29,406,000 gal.	75 minutes	1.10 CFS (Approx. 500 GPM) Well Pump for POA MTB-02.
Not Measured	Not Measured	Not Observed	From my interview with Mt. Bachelor staff, the booster pumps for the snow making system have been operated at a pump output of up to 2.23 CFS, (approximately 1000 GPM).
Not Measured	Not Measured	Not Observed	From my interview with Mt. Bachelor staff, the pump output from the submersible pumps located at the 100,000 gallon tank is typically between 0.033 and 0.036 CFS, (approximately 15 to 16 GPM).

NOTE:

The well pump motor at point of appropriation MTB-02 runs on a Variable Frequency Drive (VFD) and so the pump output flow can be varied. The total pump output given in the above table does not represent the maximum well pump output. This information was obtained from the Sensus meter, which is used to monitor water usage on the 10" discharge line used for domestic purposes and to fill the 100,000 gallon tank. During my observation, the pump was being used to supply water to the tank. Mt. Bachelor Inc. staff told me that in late fall and winter, both discharge lines have been utilized in the past simultaneously to fill the tank and to provide water to the booster pumps used to make snow. Typically, 500 GPM is supplied to the tank while up to 1,000 GPM has been supplied to the booster pumps at the same time.

Reminder: For pump calculations use the reference information at the end of this document.

7. Is the distribution system piped?

YES

If "NO" items 8 through item 11 may be deleted.

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
10"	930 feet +/-	PVC	Buried
10"	2375 feet +/-	Steel	Buried
8"	5900 feet +/-	Steel	Buried
8"	1180 feet +/-	PVC	Buried
2"	1070 feet +/-	Galvanized Iron	Buried
2"	4170 feet +/-	PVC	Buried

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9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
10"	1975 feet +/-	Steel	Buried
10"	370 feet +/-	PVC	Buried
8"	270 feet +/-	PVC	Buried
6"	255 feet +/-	PVC	Buried
2"	75 feet +/-	PVC	Buried

10. Sprinkler Information

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
NA					

Reminder: For sprinkler output determination use the reference information at the end of this document.

11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
NA				

12. Additional notes or comments related to the system:

The water distribution system also includes lateral piping, snow hydrants and snow guns to generate snow within ski runs and surrounding areas. 2" lateral piping from an 8" main provides water to hydrants. The ski resort uses 27 Hydro-Tech Manufacturing Inc. HTM-H series snow hydrants. Snow guns are connected to the hydrants and operate at anywhere from 12 to 150 GPM depending on the ambient air temperature. The resort operates 4 fixed tower guns and 9 portable guns. Both Polecat and Super Polecat snow guns manufactured by Snow Machines, Inc. (SMI Snowmakers) are used to make snow.

D. Groundwater Source Information (Well and Sump)

1. Is the appropriation from ground water (well or sump)? YES

If "NO", items 2 through 8 relating to this section may be deleted.

2. Describe the access port (type and location) or other means to measure the water level in the well:

A 1/4" galvanized steel airline has been installed near the pump motor, above the well casing. The airline is connected to a direct reading water level depth air gauge.

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3. If well logs are not available, provide as much of the following information as possible:

CASING DIAMETER	CASING DEPTH	TOTAL DEPTH	COMPLETION DATE OF ORIGINAL WELL	COMPLETION DATES OF ALTERATIONS	WHO THE WELL WAS DRILLED FOR	WELL DRILLED BY
14"	890'	1038'	7-15-94	NA	Mt. Bachelor Inc.	Staco Well Services

4. In addition to the information requested in item "3" above, provide any other information which may help the Department locate any well logs associated with this appropriation.

Please see attached Well Log, (DESC 9563).

5. Is the appropriation from a dug well (sump)? NO

E. Storage

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1. Does the distribution system include in-system storage (i.e. storage tank, bulge in system / reservoir) SEP 30 2010 YES

If "NO", item 2 and 3 relating to this section may be deleted.

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If "YES" is it a: YES

Storage Tank

Bulge in System / Reservoir NO

Complete appropriate table(s) below, unused table may be deleted.

2. Storage Tank:

MATERIAL (CONCRETE, FIBERGLASS, METAL, ETC.)	CAPACITY (IN GALLONS)	ABOVE GROUND OR BURIED
Concrete	100,000	Buried
Concrete	50,000	Buried

3. Bulge in System / Reservoir:

RESERVOIR NAME OR NUMBER (CORRESPOND TO MAP)	APPROXIMATE DAM HEIGHT	APPROXIMATE CAPACITY (IN ACRE FEET)
NA		

F. Gravity Flow Pipe

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM'S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the system involve a gravity flow pipe? YES

If "NO", items 2 through 4 relating to this section may be deleted.

2. Complete the table:

PIPE SIZE	PIPE TYPE	"C" FACTOR	AMOUNT OF FALL	LENGTH OF PIPE	SLOPE	COMPUTED RATE OF WATER FLOW (IN CFS)
6"	PVC	150	50 feet +/-	2530 feet +/-	0.02 ft/ft	1.26 CFS
4"	Steel	130	85 feet +/-	2205 feet +/-	0.04 ft/ft	0.537 CFS
4"	Ductile Iron	140	59 feet +/-	1,945 feet +/-	0.03 ft/ft	0.495 CFS
1-1/2"	PVC	150	140 feet +/-	1,045 feet +/-	0.13 ft/ft	0.089 CFS

3. Provide calculations:

For 6" PVC Pipe: $v = 1.31 \times (150) \times [(0.5'/4)^{0.63}] \times (0.02^{0.54}) = 6.41 \text{ ft./sec.}$, $Q = vA$,
 $Q = (6.41 \text{ ft./sec.}) \times (\pi \times 0.5^2/4) = 1.26 \text{ CFS}$

For 4" Steel Pipe: $v = 1.31 \times (130) \times [(0.33'/4)^{0.63}] \times (0.04^{0.54}) = 6.24 \text{ ft./sec.}$, $Q = vA$,
 $Q = (6.24 \text{ ft./sec.}) \times (\pi \times 0.33^2/4) = 0.537 \text{ CFS}$

For 4" PVC Pipe: $v = 1.31 \times (140) \times [(0.33'/4)^{0.63}] \times (0.03^{0.54}) = 5.76 \text{ ft./sec.}$, $Q = vA$,
 $Q = (5.76 \text{ ft./sec.}) \times (\pi \times 0.33^2/4) = 0.495 \text{ CFS}$

For 1-1/2" PVC Pipe: $v = 1.31 \times (150) \times [(0.125'/4)^{0.63}] \times (0.13^{0.54}) = 7.44 \text{ ft./sec.}$, $Q = vA$,
 $Q = (7.44 \text{ ft./sec.}) \times (\pi \times 0.125^2/4) = 0.089 \text{ CFS}$

4. If an actual measurement was taken, provide the following:

DATE OF MEASUREMENT	WHO MADE THE MEASUREMENT	MEASUREMENT METHOD	MEASURED QUANTITY OF WATER (IN CFS)
NA – No Measurement Taken			

Attach measurement notes.

NOTE:

I was not able to collect any actual flow measurements on these buried gravity water pipes.

G. Gravity Flow Canal or Ditch

(THE DEPARTMENT TYPICALLY USES MANNING'S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? **NO**

H. Reservoir

1. Does the claim involve a reservoir modified through a transfer? **NO**

Reminder: This section should only be completed if the reservoir right has been modified through the transfer process. If the claim is for a permitted reservoir use the Claim of Beneficial Use form for reservoirs.

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SECTION 3 CONDITIONS

Please pay special attention to this section. All conditions contained in the permit, permit amendment, transfer final order, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. Time Limits:

Permits, transfer final orders, and any extension final orders contain any or all of the following dates; the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed use is to be completed by. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit, extension or transfer final order:

	DATE FROM PERMIT OR TRANSFER	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	October 25, 1996		
BEGIN CONSTRUCTION (A)	October 25, 1997	Form A was submitted to the Department on 8/26/97. Construction of well actually began on 6/15/94, per Form A.	Began the construction of the well.
COMPLETE CONSTRUCTION (B)	October 1, 2008	Summer of 2002	Completed the construction of the well, and performed a pump test. Installed a 450 HP deep turbine pump in the well. Constructed water mains to new buildings. In addition, the user installed booster pumps, additional main and piping for the snow making system.
COMPLETE APPLICATION OF WATER (C)	October 1, 2009	Fall of 2002	The user has utilized the water for various uses such as for domestic purposes in ski lodges and other buildings, fire protection, to make snow, construction, restoration of ski runs and other disturbed areas, dust control, provide drinking water for skiers and staff and other uses typical of a municipality.

* MUST BE WITHIN PERIOD BETWEEN PERMIT, TRANSFER FINAL ORDER, OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETELY APPLY WATER

2. Is there an extension final order(s)?

YES

The Final Order for the extension of time for Permit Number G 12885 was issued on January 26, 2000, and established the 'B' and 'C' dates give in the above table.

If "NO", you may delete item 3 in this section.

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3. If for a transfer extension order, provide the following information:

NA – Not a transfer.

4. Initial Water Level Measurements:

a. Was the water user required to submit an initial static water level measurement? **NO**

5. Annual Static Water Level Measurements:

a. Was the water user required to submit annual static water level measurements? **NO**

6. Pump Test (Required for most ground water permits prior to issuance of a certificate)

a. Did the permit require the submittal of a pump test? **YES**

If "NO", items 6b through 6d relating to this section may be deleted.

b. Has the pump test been previously submitted to the Department? **YES**

c. Is the pump test attached to this claim? **YES**

d. Has the pump test been approved by the Department? **NO**

The pump test was submitted to the Department on 9/2/2010, (via e-mail sent to Mr. Ken Lite). The user is currently waiting for a decision from the Department on whether or not the test is acceptable.

7. Measurement Conditions:

a. Does the permit, permit amendment, transfer final order, or any extension final order require the installation of a meter or approved measuring device? **YES**

If "NO", items 7b through 7f relating to this section may be deleted.

Reminder: If a meter or approved measuring device was required, the COBU map must indicate the location of the device in relation to the point of diversion or appropriation.

b. Has a meter been installed? **YES**

c. Meter Information

POD/POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
MTB-02	Sensus	51255	Working	29,369,000 gal.	Late Fall, 1998
MTB-02	Allen-Bradley	2711- B5A5	Working	Yearly: 0.817 MGal	Summer of 2002

Two meters have been installed, one on each 10" discharge line from the well pump. The Sensus meter has been installed on the discharge pipe used for domestic, fire protection and to fill the 100,000 gallon tank. The Allen-Bradley meter has been installed on the discharge pipe used for snow making purposes. I was unable to record a current meter reading on the display screen of this meter, but was able to record the year to date reading. Both meters are located within the building housing the well.

d. If a meter has not been installed, has a suitable measuring device been installed and approved by the Department? **NA**

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8. Recording and reporting conditions

a. Is the water user required to report the water use to the Department? **YES**

If "NO", item 8b relating to this section may be deleted.

b. Have the reports been submitted? **YES**

METHOD OF SUBMITTING REPORT (PAPER OR ELECTRONIC)	WATER USER REPORTING ID
Paper	4026

NOTE: Mt. Bachelor Inc. staff reported that annual water use reports have likely been submitted up until 2003 or 2004. I've attached the annual water use reports from 2001 to 2010 to this report.

If the reports have not been submitted, attach a copy of the reports if available.

9. Fish Screening

a. Are any points of diversion required to be screened to prevent fish from entering the point of diversion? **NO**

10. By-pass Devices

a. Are any points of diversion required to have a by-pass device to prevent fish from entering the point of diversion? **NO**

11. Other conditions required by permit, permit amendment final order, extension final order, or transfer final order

- a. Were there special well construction standards? **NO**
- b. Was submittal of a ground water monitoring plan required? **NO**
- c. Was the water user required to restore the riparian area if it was disturbed? **NO**
- d. Was a fishway required? **NO**
- e. Was submittal of a letter from an engineer required prior to storage of water? **NO**
- f. Was submittal of a water management and conservation plan required? **NO**
- g. Other conditions? **YES**

If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s):

The Final Order for the Extension of Time for Permit Number G 12885, required the permittee to submit a written progress report to the Department by October 1, 2004. The permittee submitted the required progress report to the Department on September 20, 2004.

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**SECTION 4
VARIATIONS**

Include a description of variations from the permit, permit amendment final order, extension final order, or transfer final order. (i.e. *“The permit allowed three points of diversion. The water user only developed one of the points.”* or *“The permit allowed 40.0 acres of irrigation. The water user only developed 10.0 acres.”*)

The area of use shown on the COBU map differs from the area shown on the original permit map. The water user did not need to beneficially use water in the entire area shown on the permit for normal resort operations.

**SECTION 5
ATTACHMENTS**

If you are attaching any documents to this report, provide a list:

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ATTACHMENT NAME	DESCRIPTION
Well Log – DESC 9563	State of Oregon Water Well Report for POA MTB-02
Well Pump TDH Calculations	Hand calculations to determine the approximate total head for the well pump at POA MTB-02.
Column Friction Loss Table	Provides column friction loss in feet per 100 feet of column of various diameters and flows.
Annual Water Use Forms	OWRD Monthly Quantities Forms for: 2001 – 2010
Pump Test	Prepared by Kleinfelder Inc., October 10, 1994
Final Order for Permit G-12885, (Application G-13943)	
Map for Application No. G-13943	Mt. Bachelor Ski Area Application Map for Groundwater Appropriation
Final Order – Extension of Time for Permit Number G - 12885	

**SECTION 6
CLAIM SUMMARY**

POD / POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
MTB-02	3.34 CFS	3.45 CFS	1.10 CFS	Quasi- Municipal	NA	NA

NOTE: As previously noted in this application, the amount of water measured from the well does not represent the maximum output of the well pump. The pump motor is run on a Variable Frequency Drive, and so pump output can be varied. Mt. Bachelor Inc. staff told me that the pump has been run

at up to 1500 GPM to supply water to the 100,000 gallon tank and snow making system at the same time, (500 GPM to the reservoir, 1000 GPM to the snow making system booster pumps).

SECTION 7

CLAIM OF BENEFICIAL USE MAP

The Claim of Beneficial Use Map must be submitted with this claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on poly film at a scale of 1" = 1320 feet, 1" = 400 feet, or the original full-size scale of the county assessor map for the location.

Provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

The locations of features shown on this map were obtained from WHPacific as-built construction drawings, WHPacific survey topographic data, Deschutes County GIS data, aerial AutoCAD topographic information and field mapping I completed during my site visit on September 8th, 2010. The aerial AutoCAD information was compiled from photogrammetry provided by Cascade Mapping, Inc. The horizontal and vertical control for the mapping was provided by Jeff Kern and Associates, Inc. I used a Geoexplorer Model Number 79000-00 hand held GPS receiver to complete mapping during my site visit. The data from this GPS unit was post-processed in the office to provide sub-meter accuracy.



Map Checklist

Please be sure that the map you submit includes ALL the items listed below.
(Reminder: Incomplete maps and/or claims may be returned.)

- Map on polyester film.
- Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- Township, Range, Section, Donation Land Claims, and Government Lots
- NA If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- Locations of fish screens, fish by-pass devices, meters and measuring devices in relationship to point of diversion or appropriation.
- Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
- Point(s) of diversion or appropriation (illustrated and coordinates)
- Tax lot boundaries and numbers
- NA Source illustrated if surface water
- Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownership lines")
- Application and permit number or transfer number
- North arrow



- Legend
- CWRE stamp and signature

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SECTION 8 SIGNATURES

CWRE Statement, Seal and Signature

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.



CWRE NAME Sean Comstock	PHONE NO. 541-388-4255	ADDITIONAL CONTACT NO. 541-312-2737
ADDRESS 123 SW Columbia Street		
CITY Bend	STATE OR.	ZIP 97701
E-MAIL scomstock@whpacific.com		

Permit or Transfer Holder's of Record Signature or Acknowledgement

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

SIGNATURE	PRINT OR TYPE NAME	DATE
	DAVID RATHBUN, President MT. BACHELOR, INC.	9/28/10
	A. Shane Jeffries DISTRICT RANGER BEND/FT ROCK RANGER DISTRICT	9/29/10

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SECTION 9
REFERENCE INFORMATION FOR CWRE USE
(Please DO NOT submit these pages.)

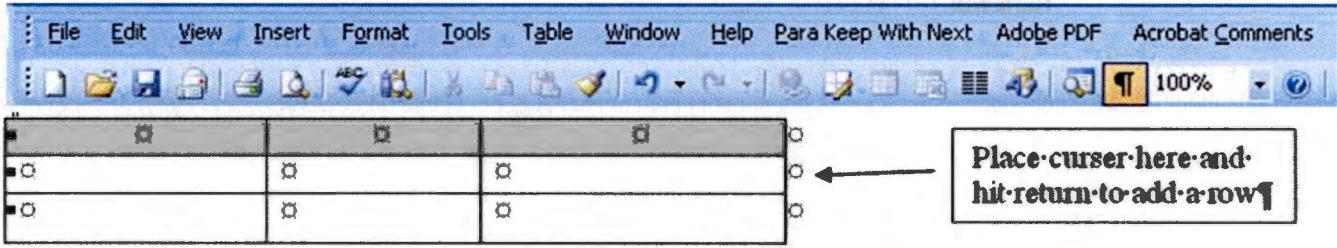
Additional information is available at: http://www.wrd.state.or.us/OWRD/WR/cwre_info.shtml

MS Word Hints

To add rows to a table, click outside the table on the far right and hit enter.

Place cursor here and hit return to add a row

If you are having difficulty placing the cursor outside the table, click on the Show/Hide (Paragraph) icon ¶. This is found on the Standard toolbar (View => Toolbars => Standard) of some versions of Word.



To resolve page numbering issues, go to print preview. Page through the entire document (while in print preview), then print from print preview.

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Common Calculations

The Department typically uses the following calculations to determine system capacities; many of which are available to download from the Department's Web Site:

Pumps:

$$Q \text{ Pump} = \frac{(\text{horsepower})(\text{pump efficiency})}{(\text{total head in feet})} = Q \text{ in cfs}$$

Efficiency factors:

NOTE: Pump efficiency factor for centrifugal pump (75%) = 6.61
 Pump efficiency factor for turbine pump (80%) = 7.04

$$\text{Centrifugal Pump, 75\% eff. } \frac{(550 \text{ ft lb/sec/Hp})(.75)}{(62.4 \text{ lb/cu ft})} = 6.61 \text{ ft}^4/\text{sec/Hp}$$

$$\text{Turbine \& Submersible Pumps, 80\% eff. } \frac{(550 \text{ ft lb/sec/Hp})(.80)}{(62.4 \text{ lb/cu ft})} = 7.04 \text{ ft}^4/\text{sec/Hp}$$

Total head is the sum of suction lift, pressure head, and discharge lift.

If the operating pressure is not measured, varying the assumed operational pressure in the above formulas until the calculated outputs are equal, or nearly so, will generally give the most correct theoretical capacity of the system.

Efficiencies have been assumed to be 75% for centrifugal pump installations and 80% for turbine or submersible pumps. See the list below of converted psi's to feet of head. These figures account for minor friction losses. If the system involves unusually long pipelines friction losses should be accounted for by using standard charts and formulas.

Refer to the conversion table below to compute PSI to head for pump pressure in feet.

$$[(\text{psi}/.433)(1.1)] = \text{head (in feet/psi)} = 2.54 \text{ feet head/psi}$$

PSI	HEAD	PSI	HEAD
25	63.5	55	139.7
30	76.2	60	152.4
35	88.9	65	165.1
40	101.6	70	177.8
45	114.3	75	190.5
50	127.0	80	203.2

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Ditches/Canals:

Manning's Formula:

$$v = \frac{1.486}{n} r^{2/3} s^{1/2}$$

v = mean velocity of flow in feet per second
r = hydraulic radius in feet
s = slope of the energy gradient
n = coefficient of roughness

Type of Conduit and Description Pipe	Coefficient of Roughness	
	Minimum	Maximum
Cast Iron, Coated	0.01	0.014
Cast Iron, Uncoated	0.011	0.015
Wrought Iron, Galvanized	0.013	0.017
Wrought Iron, Black	0.012	0.015
Steel, Riveted and Spiral	0.013	0.017
Corrugated	0.021	0.0255
Wood Stave	0.01	0.014
Neat Cement Surface	0.01	0.013
Concrete	0.01	0.017
Vitrified Sewer Pipe	0.01	0.017
Clay, Common Drainage Tile	0.011	0.017
Lined Channels		
Metal, Smooth Semicircular	0.011	0.015
Metal, Corrugated	0.0228	0.0244
Wood, Planed	0.01	0.015
Wood, Unplaned	0.011	0.015
Neat Cement-Lined	0.01	0.013
Concrete	0.012	0.018
Cement Rubble	0.017	0.03
Vegetated, Small Channels, Shallow Depths		
Bermuda Grass; Long - 13", Green	0.042	
Bermuda Grass; Long - 13", Dormant	0.035	
Bermuda Grass; Short - 3", Green	0.034	
Bermuda Grass; Short - 3", Dormant	0.034	
Unlined Channels		
Earth; Straight and Uniform	0.017	0.025
Dredged	0.025	0.033
Winding and Sluggish	0.0225	0.03
Stoney Bed, Weeds on Bank	0.025	0.04
Earth Bottom, Rubble Sides	0.028	0.035
Rock Cuts; Smooth and Uniform	0.025	0.035
Rock Cuts; Jagged and Irregular	0.035	0.045

Gravity flow pipe systems

Hazen-William's Formula:

$$v = 1.31(c)(r^{0.63})(s^{0.54})$$

v = mean velocity of flow in feet per second

c = coefficient of roughness

r = hydraulic radius in feet

s = slope of energy gradient

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Material	Coefficient of Roughness
Asbestos Cement	140
Brass	135
Brick sewer	100
Cast-Iron - new unlined (CIP)	130
Cast-Iron 10 years old	110
Cast-Iron 20 years old	95
Cast-Iron 30 years old	82
Cast-Iron 40 years old	74
Concrete	130
Copper	135
Ductile Iron Pipe (DIP)	140
Galvanized iron	120
Glass	140
Lead	135
Plastic	145
PVC, CPVC	150
Smooth Pipes	140
Steel new unlined	145
Steel	130
Steel riveted	110
Tin	130
Wood Stave	120

SPRINKLER CAPACITIES BY NOZZLE SIZE IN GALLONS PER MINUTE

This chart is comprised of information gathered from a number of sources and may differ slightly from the manufacturer's specifications.

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$$Q \text{ Sprinklers} = \frac{\text{(number of heads)(rate in gallons per minute)}}{448.8 \text{ gpm per cfs}} = Q \text{ in cfs}$$

		P.S.I. ("*" designates computed capacity)																	
		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
NOZZLE SIZE	3/32				1.1	1.3	1.4	1.5	1.6	1.7	1.8								
	7/64				1.5	1.7	1.9	2	2.2										
	1/8				1.9	2.2	2.4	2.7	2.9	3	3.2								
	9/64				2.3	2.6	2.9	3.1	3.4	3.7	4								
	5/32				3	3.4	3.8	4.1	4.4	4.7	5								
	11/64	1.9	2.7	3.3	3.7	4.2	4.6	5	5.4	5.7	6	6.3	6.6						
	3/16	2.2	3.2	3.9	4.3	5	5.5	6	6.4	6.8	7.2	7.5	7.8						
	13/64	2.9	3.6	4.5	5.1	5.9	6.5	7.1	7.6	8.1	8.5	8.9	9.2						
	7/32		4.1	5.1	5.8	6.8	7.6	8.3	8.9	9.4	9.9	10.3	10.6						
	15/64							8.8		10		11.2		12.4					
	1/4		5.2	6.4	7.4	8.9	9.8	10.6	11.4	12.1	12.8	13.4	13.9	14.8*	15.3*	15.9*	16.4*	16.9*	17.4*
	17/64								12.5		14		15.6		17.1				
	9/32					11.2	12.3	13.3	14.3	15.2	16	16.8	17.5	18.1	18.9	19.7	20.7*	21.4*	22*
	19/64									16.6		18.3		19.9		21.4			
	5/16					13.1	15.2	16.5	17.7	18.9	20	21	22	23	23.9	24.8	25.7	26.4*	27.1*
	21/64										20.8		22.7		24.6		26.4		
	11/32					16.5	18	19.7	21.1	22.5	23.8	25	26.2	27.4	28.5	29.6	30.6	31.9*	32.8*
	23/64										24.5		26.8		29.1		31.4		
	3/8					19	21	22.8	24.4	26	27.5	29.1	30.6	32	33.2	34.5	35.7	38*	39*
	13/32									29*	30.9*	32.7*	34.5*	36.2*	37.4*	38.9*	40.4*	41.9*	43.3*
7/16									33.5*	35.6*	37.7*	39.7*	41.7*	43.6*	45.3*	46.9*	48.4*	50.1*	51.6*
1/2									42.5*	45.2*	47.7*	50.2*	52.5*	54.7*	56.8*	58.6*	60.6*	63.6*	66.7*

NOTE: Use the maximum number heads operating at any one time.

Rate per head in gpm comes from either manufacturer's specifications using orifice size and operating pressure or from OWRD chart.

STATE OF OREGON
COUNTY OF DESCHUTES

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

UNITED STATES FOREST SERVICE C/O MT BACHELOR INC.
PO BOX 1031
BEND, OREGON 97709

(541) 382-2442

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-13943

SOURCE OF WATER: ONE WELL IN TODD CREEK BASIN

PURPOSE OR USE: QUASI-MUNICIPAL

MAXIMUM RATE: 3.34 CUBIC FEET PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: JANUARY 13, 1995

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, SECTION 20, T18S, R9E, W.M.;
1128 FEET SOUTH AND 2038 FEET EAST FROM THE NW CORNER SECTION 20

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SE 1/4
SW 1/4
SECTION 13
NE 1/4
SE 1/4
SECTION 24
ALL
SECTION 25
ALL
SECTION 36
TOWNSHIP 18 SOUTH, RANGE 8 EAST, W.M.
SW 1/4
SW 1/4 SE 1/4
SECTION 17
SW 1/4 NE 1/4
SE 1/4 NE 1/4
SW 1/4
SE 1/4
SECTION 18
ALL
SECTION 19
ALL
SECTION 20

Application G-13943 Water Resources Department

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PERMIT G-12885

NW 1/4 SW 1/4
SW 1/4 SW 1/4
SE 1/4 SW 1/4
SECTION 21
NW 1/4 NE 1/4
SW 1/4 NE 1/4
SE 1/4 NE 1/4
NW 1/4
SW 1/4
SE 1/4

SECTION 28
ALL

SECTION 29
ALL

SECTION 30
ALL

SECTION 31
ALL

SECTION 32
ALL

SECTION 33
NW 1/4
SW 1/4

SECTION 34

TOWNSHIP 18 SOUTH, RANGE 9 EAST, W.M.

NE 1/4 NE 1/4
NW 1/4 NE 1/4

SECTION 1

TOWNSHIP 19 SOUTH, RANGE 8 EAST, W.M.

NE 1/4 NW 1/4
NW 1/4 NW 1/4

SECTION 4

NE 1/4 NE 1/4
NW 1/4 NE 1/4

NE 1/4 NW 1/4
NW 1/4 NW 1/4

SECTION 5

NE 1/4
NW 1/4

SECTION 6

TOWNSHIP 19 SOUTH, RANGE 9 EAST, W.M.

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Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director.

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SALEM, OREGON PAGE 3

Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Actual construction of the well shall begin within one year from permit issuance, and shall be completed on or before October 1, 1998. Complete application of the water to the use shall be made on or before October 1, 1999.

Issued October 25, 1996

G. Huntington

Martha O. Page, Director
Water Resources Department

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Application G-13943
Basin 05

Water Resources Department
Volume 1 DESCHUTES RIVER & MISC
MGMT.CODE 7BG, 7BR, 7JG, 7JR

PERMIT G-12885
District 11

Mt. Bachelor Claim of Beneficial Use Duration Test

Application Number: G-13943

Permit Number: G-12885

Test Date: November 5, 2012

Test Began at: 11:50 AM

Test Ended at: 3:53 PM

Test Data

Time of Measurement	Domestic Meter Reading (GPM)	Snow Making System Meter Reading (GPM)	Total GPM
11:50	180	871	1051
12:07	270	775	1045
12:23	280	776	1056
12:38	280	777	1057
12:53	280	782	1062
1:08	270	779	1049
1:23	280	775	1055
1:38	280	775	1055
1:53	280	777	1057
2:08	270	777	1047
2:23	290	778	1068
2:38	280	776	1056
2:53	280	777	1057
3:08	270	776	1046
3:23	280	776	1056
3:38	270	779	1049
3:53	280	769	1049

Low 2.33

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SALEM, OR

Average 2.35

Notes: Sean Comstock, CWRE, of WHPacific was on hand to witness the duration test, and to record meter readings. Tom Lomax and Gary Camp of Mt. Bachelor Inc. conducted the test. Water was pumped from the MTB-02 well. As noted in the COBU application, the well pump has two discharge lines. One line supplies water to the West Village water storage tank, while the other supplies water to the suction side of two booster pumps used to supply water to the snow making system. During the duration test, water was used to fill the West Village storage tank, to test snow making hydrants which were used to provide irrigation water to vegetation on ski slopes for erosion protection, and to test West Village fire hydrants. There are two meters - one that measures flow to the storage tank, and another that measures flow supplied to the snow making system. Readings from the meters were summed to determine the total output of water beneficially used.

GPM from Demonstration

1051

1045 2.33 cfs

1056

1057

1062

1049

1055

1055

1057

1047

1068

1056

1057

1046

1056

1049

1049

Average 1054 gpm (2.35 cfs)

Constant for 4 hours 2.33 cfs



KLEINFELDER INC.

TRANSMITTAL

Date: October 10, 1994
File: 60-5108-01

To:

Mr. Thomas A. Walker, P.E.
W&H Pacific
155 N.E. Revere
Bend, Oregon 97701

Subject:

Mt. Bachelor Ski and Summer Resort

We are sending: Enclosed Under Separate Cover

The following:

Pump test, well log and laboratory analyses for production well at Mt. Bachelor.

Remarks:

Contact this office at (503) 644-9447 if additional information is needed. Thank you.

By:

R. Scott Wallace, RG
Project Manager

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WATER RESOURCES DEPT
SALEM, OREGON

STEP-DRAWDOWN TEST CALCULATIONS

PROJECT NO: 60-5108-01-A01 DATE OF TEST: 8/22 - 8/23, 1994
 JOB NAME: Mt. Bachelor Replacement Well
 TEST LOCATION: West Village Parking Lot
 WELL NO: MTB-02 STATIC WATER LEVEL: 1100 hrs 8/22 TIME
 703 below TOC TOC
 CALCULATED BY: RSW/WCG _____ SURFACE

EXPLANATION OF SYMBOLS

Q = well discharge (gpm)
 s = total cumulative drawdown (ft)
 Δs = step drawdown (ft)
 s_c = calculated drawdown (ft)
 B = Formation loss (s/Q) (from graph)
 C = Well loss (s/Q^2) (from graph)

EQUATIONS:

Specific drawdown: s/Q (ft/gpm)
 Specific capacity: Q/s (gpm/ft)
 Calculated drawdown: $s_c = BQ + CQ^2$ (ft)

Step	Duration	Pump Rate Q (gpm)	Step Drawdown Δs (ft)	Total Drawdown s (ft)	Specific Drawdown s/Q (ft/gpm)	Specific Capacity Q/s (gpm/ft)
1	2 hrs	250	7.7	7.7	0.031	32.47
2	2 hrs	500	12.5	20.2	0.040	24.75
3	2 hrs	750	15.0	35.2	0.047	21.31
4	2 hrs	1000	15.0	50.2	0.050	19.92
5	13.33 hrs	1250	22.3	72.5	0.058	17.24
6	2.33 hrs	1550	15.6	88.1	0.057	17.59

CALCULATED DRAWDOWN AND SPECIFIC CAPACITY

Pump Rate Q (gpm)	Formation Loss BQ(ft)	Well Loss CQ ² (ft)	Calculated Drawdown s_c (ft)	Calculated Specific Capacity Q/ s_c (gpm/ft)	Remarks
100	2.9	0.206	3.1	32.19	
500	14.5	5.151	19.65	25.44	
1000	29.0	20.604	49.604	20.16	
1500	43.5	46.359	89.859	16.69	
2000	58.0	82.41	140.41	14.24	

From graph: $B = 0.029$ s/Q
 $C = 2.0604 \times 10^{-5}$ s/Q^2

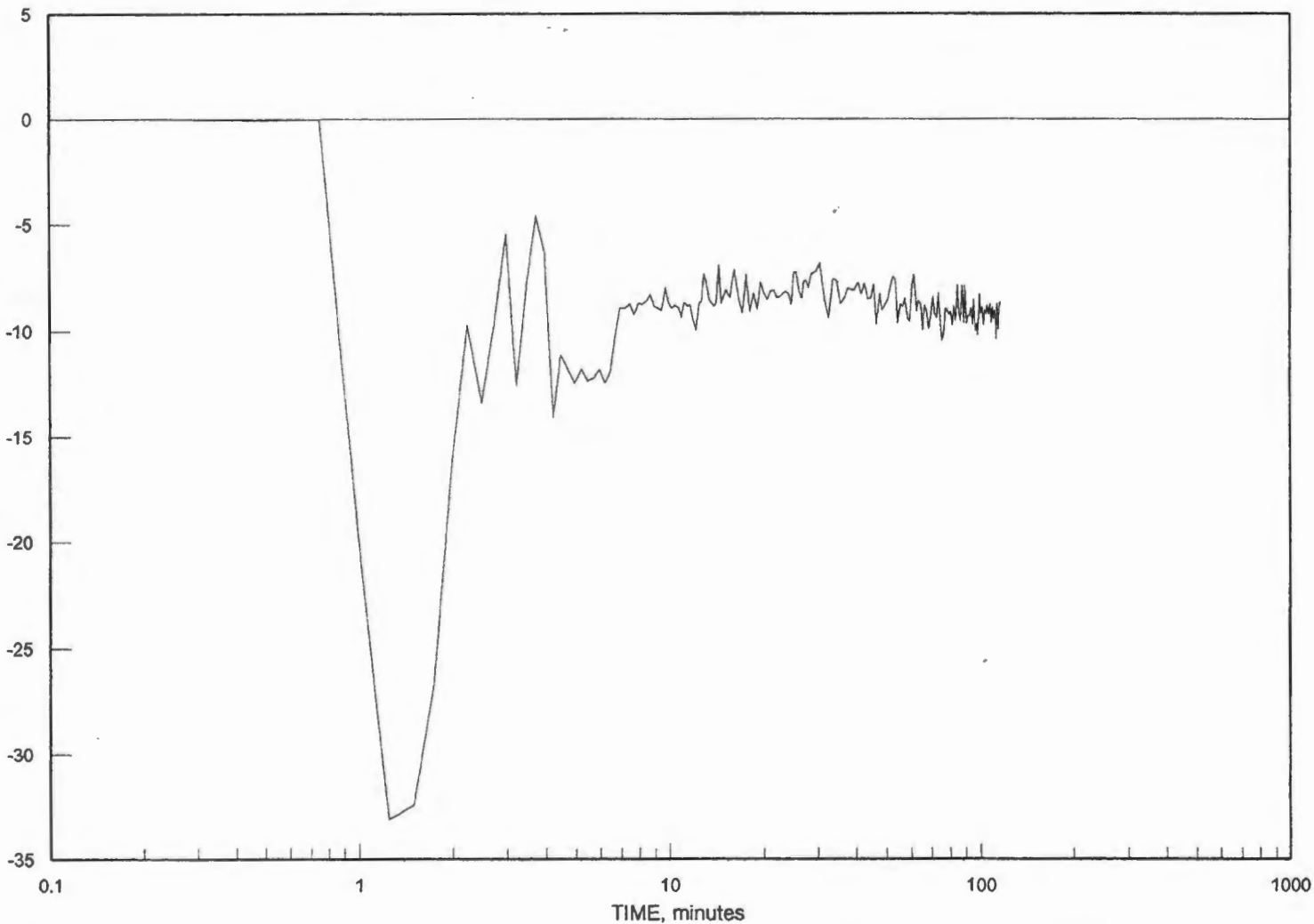
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 WATER RESOURCES DEPT
 SALEM, OREGON

STEP-DRAWDOWN TEST 250 gpm

MTB-02 MT. BACHELOR

DRAWDOWN, s. feet below static ground water level



— Water Level

WATER RESOURCES DEPT
SALEM, OREGON

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T=264 Q/Δs where Q=250 gpm and Δs=1.5 ft.
T=44,000 gpd/ft.

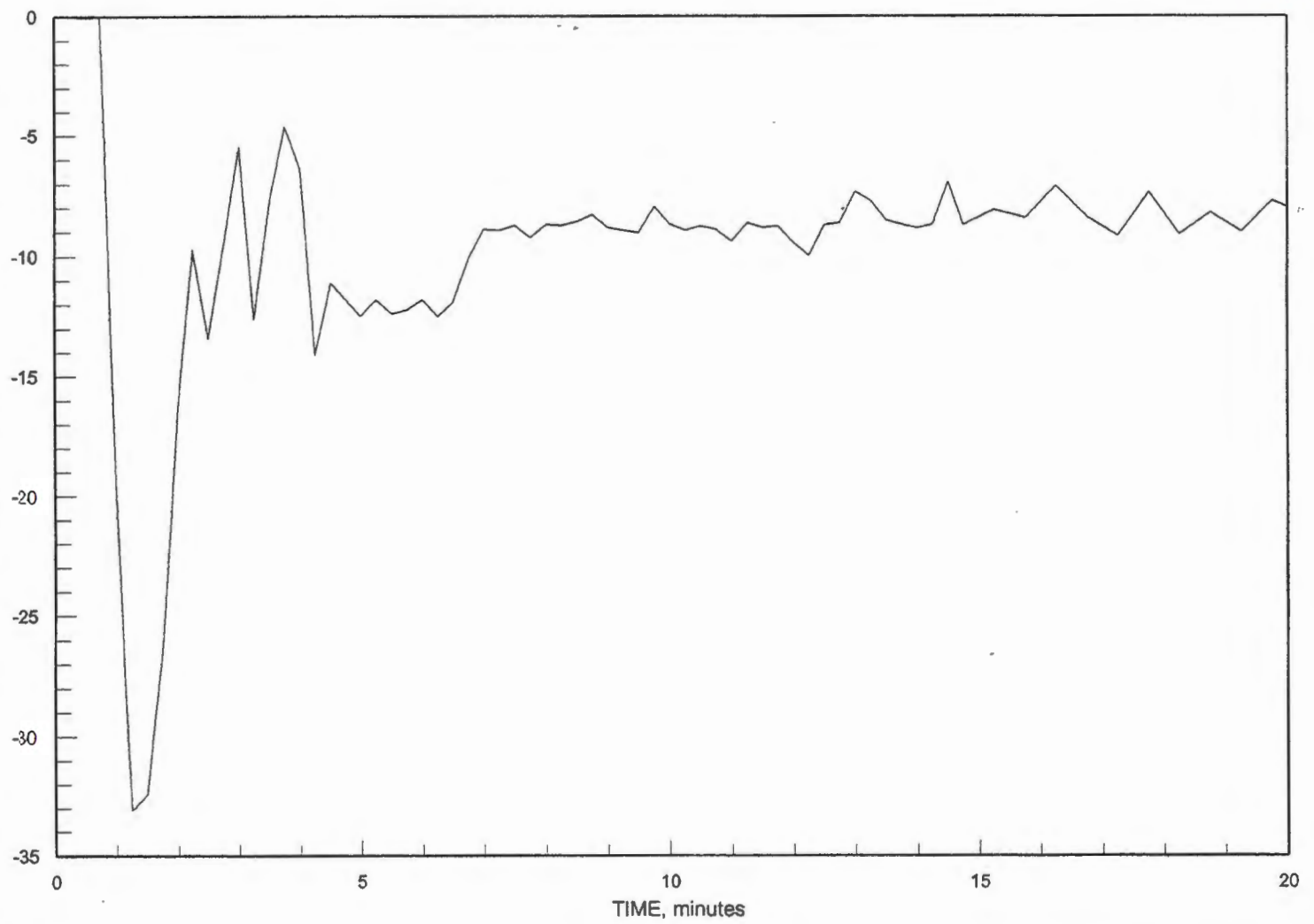
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WATER RESOURCES DEPT
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STEP-DRAWDOWN TEST 250 gpm MTB-02 MT. BACHELOR
DRAWDOWN (TIME INTERVAL: 0-20 MINUTES)

DRAWDOWN, s, feet below static ground water level

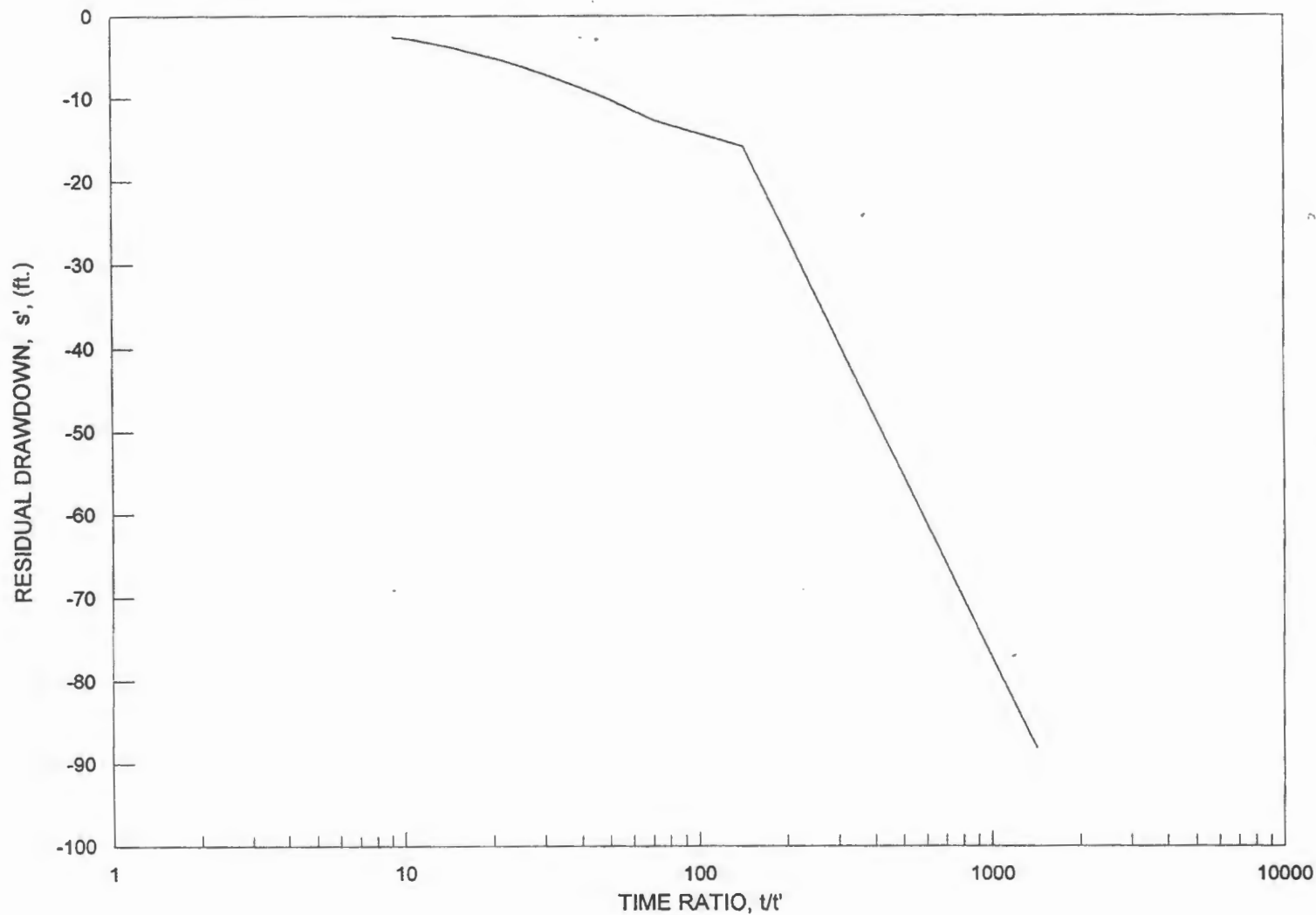


— Water Level

T=264 Q/s where Q=250 gpm and s=1.5 ft.
T=44,000 gpd/ft.

STEP-DRAWDOWN RECOVERY TEST 1550 gpm

MTB-02 MT. BACHELOR



— Water Level

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SALEM, OREGON

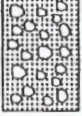




$T=264 Q / \Delta s'$ where $Q=1550$ gpm and $\Delta s'=9.0$ ft.
 $T=45,467$ gpd/ft.









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WELL LOG LEGEND

WATER RESOURCES DEPT
SALEM, OREGON

LITHOLOGIC SYMBOLS	
	CINDER WITH SAND
	CINDER
	PUMICE AND MIXED VOLCANIC ROCKS
	ANDESITIC BASALT
	BASALT

WELL CONSTRUCTION	
	Blank casing
	Screened casing
	Cement grout
	Bentonite
	Sand pack or gravel pack
	Native materials
	Native backfill or cavings
	Bentonite-cement grout

Note: The line separating strata on the logs represents approximate boundaries only. The actual transition may be gradual. No warranty is provided as to the continuity of the strata between borings. Logs represent the soil section observed at the boring location on the date of drilling only.

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SALEM, OREGON
SOIL DESCRIPTION

DEPTH (feet)	WELL CONSTRUCTION	CHEMICAL ANALYSES		BLOWS/6 inches	SAMPLE		LITHOLOGIC SYMBOL	SOIL DESCRIPTION
		LABORATORY	PID (ppmv)		INTERVAL	NUMBER		
0								FILL, Cinder, black, fresh, medium hard.
								CINDER with some sand, buff-tan, fresh, medium hard.
								CINDER, black-tan, fresh, medium hard.
50								ANDESITIC BASALT, black-gray, aphanitic, fresh, hard.
								CINDER with some basalt, red-black, some visicles, fresh medium hard.
								CINDER, pumice, and basalt, red-white-black, fresh, variable hardness.
150								PUMICE, CINDER, and VESICULAR BASALT, white-red-black, fresh, variable hardness.
								BASALT, black, scoriaceous, fresh, medium hard.
200								BASALT, black-gray, aphanitic, fresh, hard.
								CINDER, trace basalt, red-brownish-black, some visicles, fresh, medium hard.
250								

LOGGED BY: RSW SURFACE ELEVATION (feet): Approximately 6000' M.S.L. DRILLING METHOD: Air Rotary
 DATE DRILLED: 6-15-94 thru 7-19-94 TOTAL DEPTH (feet): 1038 SCREEN SIZE: 1/4" x 4" Perforations (881'-1034')
 CASING TYPE: Steel DIAMETER OF BORING: 18"; 0'-890' 13"; 891'-1038' CASING SIZE: 13 1/4" I.D.: 0'-890' 10" I.D.: 881'-1034'
 Comments: Static water level 705'. Sustained yield for well = 1850 gpm.



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LOG OF GROUNDWATER WELL, MTB-02
MOUNT BACHELOR WINTER AND SUMMER RESORT
BEND, OREGON

Project # 60-5108-01

PLATE B-2a

NOTE: Logs are to be used only for the designated purposes and in context with the attached report.

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DEPTH (feet)	WELL CONSTRUCTION	CHEMICAL ANALYSES		BLOWS/6 inches	SAMPLE		LITHOLOGIC SYMBOL	SOIL DESCRIPTION
		LABORATORY	PID (ppmv)		INTERVAL	NUMBER		
250								CINDER, trace basalt, red-brownish-black, some vesicles, fresh, medium hard.
300								
350								ANDESITIC BASALT; gray-black, aphanitic, fresh, hard.
350								CINDER, black, some vesicles, fresh, medium hard.
400								CINDER, gray, highly vesicular, slightly weathered, very soft.
400								CINDER, red, highly vesicular, fresh, very soft.
450								
450								BASALT and CINDER, gray-red, fresh, medium hard.
500								CINDER with trace andesitic basalt, red-gray, fresh, well indurated, medium hard.

LOGGED BY: RSW

SURFACE ELEVATION (feet): Approximately 6000' M.S.L.

DRILLING METHOD: Air Rotary

DATE DRILLED: 6-15-94 thru 7-19-94

TOTAL DEPTH (feet): 1038

SCREEN SIZE: 1/4" x 4" Perforations (881'-1034')

CASING TYPE: Steel

DIAMETER OF BORING: 18": 0'-890'
13": 891'-1038'

CASING SIZE: 13 1/4" I.D.: 0'-890'
10" I.D.: 881'-1034'

Comments: Static water level 705'. Sustained yield for well = 1850 gpm.



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LOG OF GROUNDWATER WELL, MTB-02
MOUNT BACHELOR WINTER AND SUMMER RESORT
BEND, OREGON

Project # 60-5108-01

PLATE B-2b

NOTE: Logs are to be used only for the designated purposes and in context with the attached report.

Page 2 of 5

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WATER RESOURCES DEPT
SALEM, OREGON

DEPTH (feet)	WELL CONSTRUCTION	CHEMICAL ANALYSES		BLOWS/6 inches	SAMPLE		LITHOLOGIC SYMBOL	SOIL DESCRIPTION
		LABORATORY	PID (ppmv)		INTERVAL	NUMBER		
500							(Cinder symbol)	CINDER with trace andesitic basalt, red-gray, fresh, well indurated, medium hard.
550							(Cinder symbol)	
600							(Cinder symbol)	
650							(Cinder symbol)	
700							(Cinder symbol)	
725							(Cinder symbol)	Ground water encountered at approximately 725'.
750							(Basalt symbol)	ANDESITIC BASALT with trace cinder, gray-red, fractured, fresh, some visicles, phaneritic, hard.

LOGGED BY: **RSW** SURFACE ELEVATION (feet): **Approximately 6000' M.S.L.** DRILLING METHOD: **Air Rotary**
 DATE DRILLED: **6-15-94 thru 7-19-94** TOTAL DEPTH (feet): **1038** SCREEN SIZE: **1/4" x 4" Perforations (881'-1034')**
 CASING TYPE: **Steel** DIAMETER OF BORING: **18": 0'-890'** CASING SIZE: **13 1/4" I.D.: 0'-890'**
13": 891'-1038' **10" I.D.: 881'-1034'**
 Comments: **Static water level 705'. Sustained yield for well = 1850 gpm.**



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LOG OF GROUNDWATER WELL, MTB-02
MOUNT BACHELOR WINTER AND SUMMER RESORT
BEND, OREGON

Project # 60-5108-01

PLATE B-2c

NOTE: Logs are to be used only for the designated purposes and in context with the attached report.

DEPTH (feet)	WELL CONSTRUCTION	CHEMICAL ANALYSES		BLOWS/6 inches	SAMPLE		LITHOLOGIC SYMBOL	SOIL DESCRIPTION
		LABORATORY	PID (ppmv)		INTERVAL	NUMBER		
750								ANDESITIC BASALT with trace cinder, gray-red, fractured, fresh, some vesicles, phaneritic, hard.
800								With pumice and scoria from 805' to 840.
850								ANDESITIC BASALT, gray, fresh, phaneritic, hard.
900								
950								
1000								PUMICE and SCORIACEOUS BASALT, white-gray, some vesicular red cinder, fresh, extremely soft-medium hard.

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 SALEM, OREGON

LOGGED BY: RSW SURFACE ELEVATION (feet): Approximately 6000' M.S.L. DRILLING METHOD: Air Rotary
 DATE DRILLED: 6-15-94 thru 7-19-94 TOTAL DEPTH (feet): 1038 SCREEN SIZE: 1/4" x 4" Perforations (881'-1034')
 CASING TYPE: Steel DIAMETER OF BORING: 18": 0'-890'
 13": 891'-1038' CASING SIZE: 13 1/4" I.D.: 0'-890'
 10" I.D.: 881'-1034'
 Comments: Static water level 705'. Sustained yield for well = 1850 gpm.



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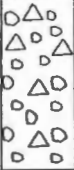
LOG OF GROUNDWATER WELL, MTB-02
 MOUNT BACHELOR WINTER AND SUMMER RESORT
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Project # 60-5108-01

PLATE B-2d

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WATER RESOURCES DEPT
SALEM, OREGON

DEPTH (feet)	WELL CONSTRUCTION	CHEMICAL ANALYSES		BLOWS/6 inches	SAMPLE		LITHOLOGIC SYMBOL	SOIL DESCRIPTION
		LABO- RATORY	PID (ppmv)		INTERVAL	NUMBER		
1000								PUMICE and SCORIACEOUS BASALT, white-gray, some vesicular red cinder, fresh, extremely soft-medium hard.
1050								
1100								
1150								
1200								
1250								

LOGGED BY: RSW SURFACE ELEVATION (feet): Approximately 6000' M.S.L. DRILLING METHOD: Air Rotary
 DATE DRILLED: 6-15-94 thru 7-19-94 TOTAL DEPTH (feet): 1038 SCREEN SIZE: 1/4" x 4" Perforations (881'-1034')
 CASING TYPE: Steel DIAMETER OF BORING: 18": 0'-890' CASING SIZE: 13 1/4" I.D.: 0'-890'
 13": 891'-1038' 10" I.D.: 881'-1034'
 Comments: Static water level 705'. Sustained yield for well = 1850 gpm.



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**LOG OF GROUNDWATER WELL, MTB-02
MOUNT BACHELOR WINTER AND SUMMER RESORT
BEND, OREGON**

Project # 60-5108-01

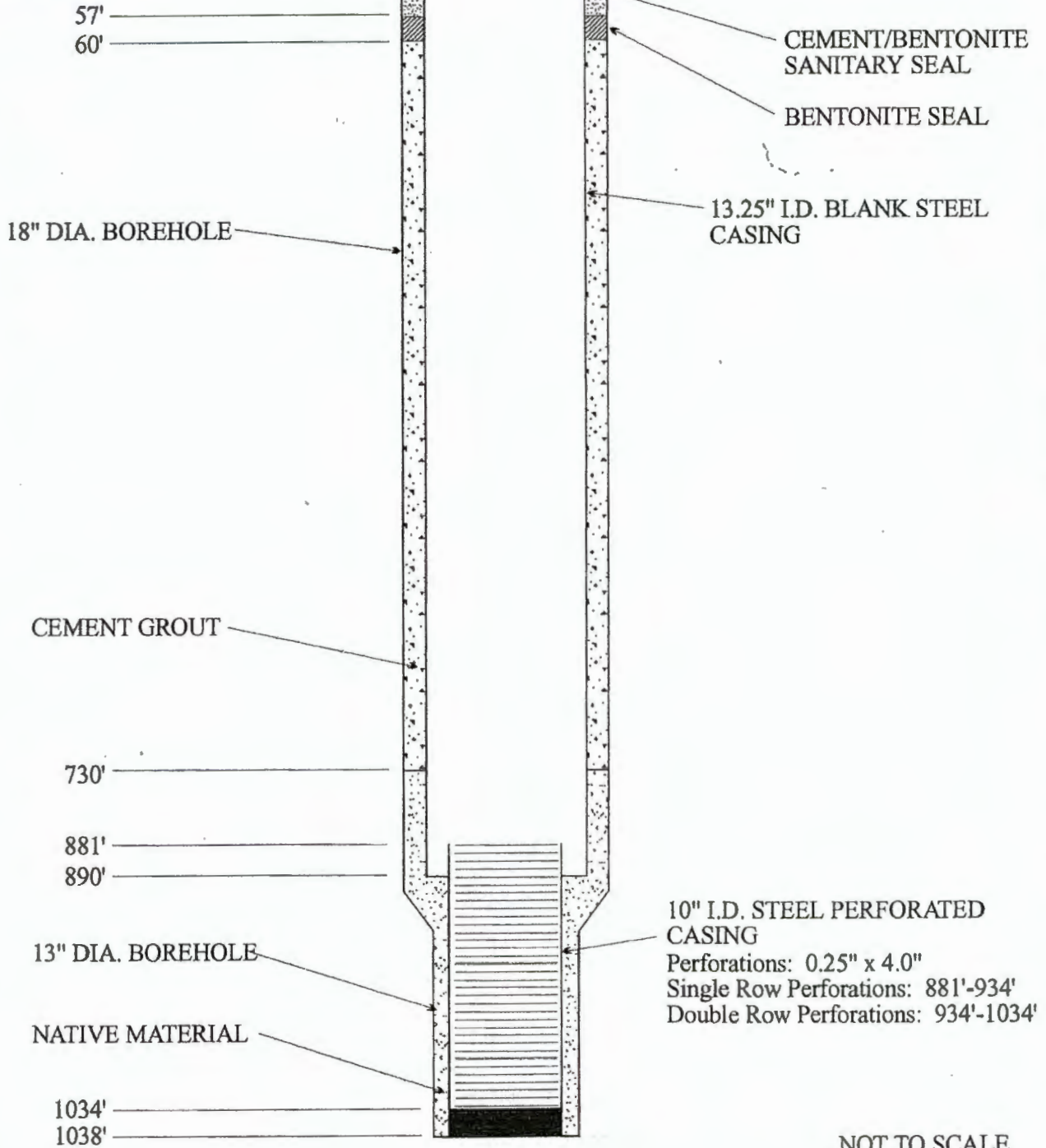
PLATE B-2e

NOTE: Logs are to be used only for the designated purposes and in context with the attached report.

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WELL SCHEMATIC
MOUNT BACHELOR WELL MTB-02
MOUNT BACHELOR, OREGON

Project # 60-5108-01

FIGURE D-1

WELL CONSTRUCTION SUMMARY

STATUS: _____

LOCATION OF COORDS: MT. BACHELOR
WEST VILLAGE PARKING LOT
CENTURY DRIVE, OREGON NE 1/4, NW 1/4, Section 2, T18S., R9E., W.M.

ELEVATION: GROUND LEVEL 6000' m.s.l.
TOP OF CASING 6002' m.s.l.

DRILLING SUMMARY

TOTAL DEPTH 1038 ft.
BOREHOLE DIAMETER 18" to 890 ft.;
13" to 1038 ft.
DRILLER Robert Stadel
STACO WELL SERVICES
RIG IR AIR ROTARY
BIT(S) HAMMER; TRI-CONE
DRILLING FLUID CEMENT (D-730')
SURFACE CASING 1 3/4" I.D. BLANK STEEL

CONSTRUCTION TIME LOG:

TASK	START		FINISH	
	DATE	TIME	DATE	TIME
DRILLING:				
<u>18" (to 890')</u>	<u>6-15-94</u>		<u>7-5-94</u>	
<u>13" (890'-1038')</u>	<u>7-13-94</u>		<u>7-19-94</u>	
GEOPHYS LOGGING:				
CASING:				
FILTER PLACEMENT:				
CEMENTING:	<u>7/21/94</u>		<u>7/22/94</u>	
DEVELOPMENT:	<u>7/22/94</u>	<u>2 hrs.</u>	<u>7/25/94</u>	<u>5 hrs.</u>
PERFORATE:				
OTHER:				

WELL DESIGN:

BASIS: GEOLOGIC LOG GEOPHYSICAL LOG _____
CASING STRING(S): C= CASING S= SCREEN
D - 890 C 14 inch -
BB1 - 1034 S 10 inch -

CASING: C1 _____
C2 _____
C3 _____
C4 _____
SCREEN: S1 _____
S2 _____
S3 _____
S4 _____
CENTRALIZERS _____

FILTER MATERIAL NATURAL MATERIAL
CEMENT _____
SAND BRIDGE: _____
OTHER: _____

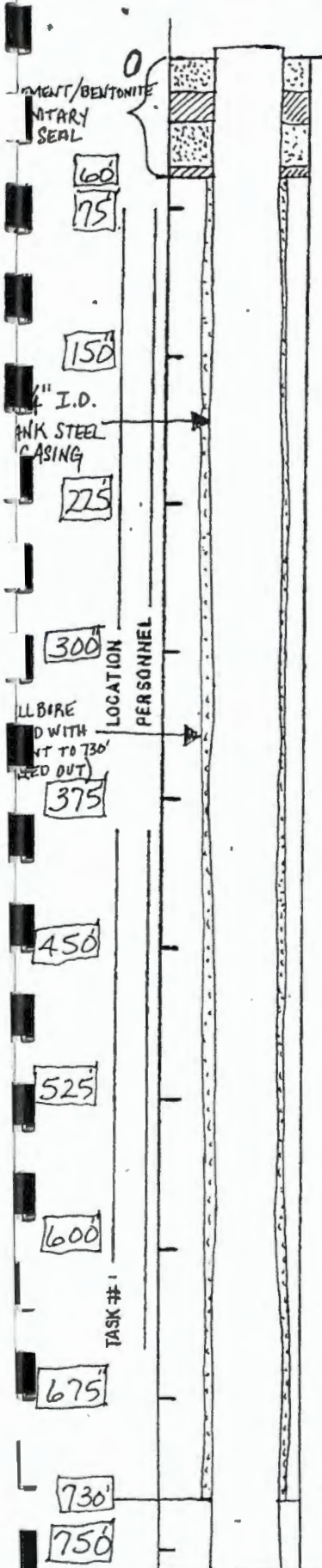
WELL DEVELOPMENT

DEPTH OF DISCHARGE LINE: _____
ESTIMATED RATE OF DISCHARGE: 500 gpm

PERFORATED INTERVAL OF 6" Ø CASING:

TOTAL DEPTH OF DIAMETER OR 6" Ø CASING AFTER DEVELOPMENT: _____

SITE GEOLOGIST SCOTT WALLACE
CONTRACTOR _____
SR. GEOL. INITIAL _____



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WELL MTB-02

Pg. 2

STATUS: _____

WELL CONSTRUCTION SUMMARY

LOCATION or COORDS: _____

ELEVATION: GROUND LEVEL _____

TOP OF CASING _____

DRILLING SUMMARY

TOTAL DEPTH 1038 ft.

BOREHOLE DIAMETER _____

DRILLER _____

RIG _____

BIT(S) _____

DRILLING FLUID _____

'SURFACE' CASING _____

CONSTRUCTION TIME LOG:

TASK	START		FINISH	
	DATE	TIME	DATE	TIME
DRILLING:				
GEOPHYS LOGGING:				
CASING:				
FILTER PLACEMENT:				
CEMENTING:				
DEVELOPMENT:				
PERFORATE:				
OTHER:				

WELL DESIGN:

BASIS: GEOLOGIC LOG _____ GEOPHYSICAL LOG _____

CASING STRING(S): C= CASING S= SCREEN

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

CASING: C1 _____

C2 _____

C3 _____

C4 _____

SCREEN: S1 _____

S2 _____

S3 _____

S4 _____

CENTRALIZERS _____

FILTER MATERIAL _____

CEMENT _____

SAND BRIDGE _____

OTHER: _____

WELL DEVELOPMENT

DEPTH OF DISCHARGE LINE: _____

ESTIMATED RATE OF DISCHARGE: _____

PERFORATED INTERVAL OF 6" Ø CASING:

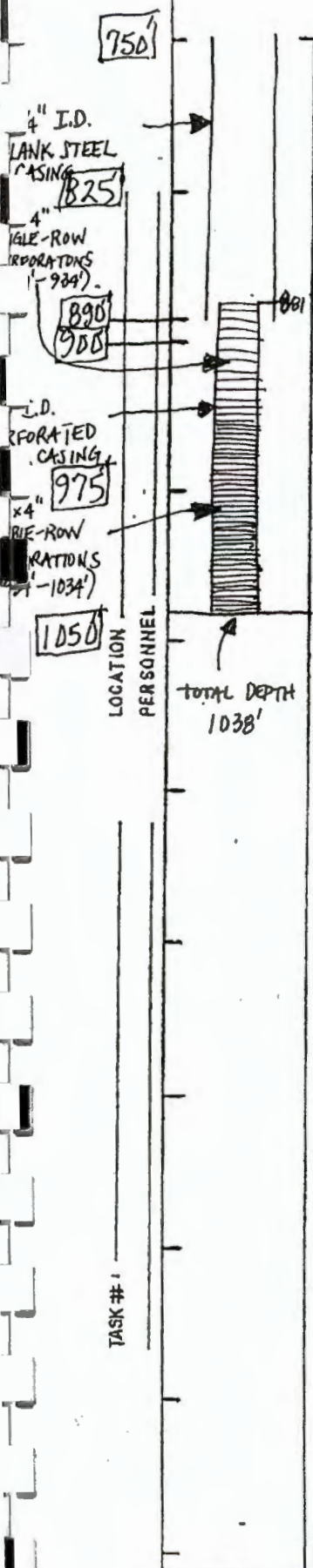
TOTAL DEPTH OF DIAMETER OR 6" Ø

CASING AFTER DEVELOPMENT: _____

SITE GEOLOGIST _____

CONTRACTOR _____

SR. GEOL. INITIAL _____



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SALEM, OREGON

SCOTT WALLACE

Craig Kohanek

From: Craig Kohanek
Sent: Tuesday, January 18, 2011 9:37 AM
To: 'Comstock, Sean'
Cc: Lomax, Tom; Gerry Clark
Subject: RE: R11702-11, G-13943 Claim of Beneficial Use review and deficiency identification

Sean,

My apologies on the COBU map. It seems that when we originally received it, back in September, it was not checked into our system properly. Regardless, with your input I was able to find it, review it, and determine it to be complete. Again, my apologies for the map error and I look forward to receiving the requested beneficial use information.

R. Craig Kohanek

From: Comstock, Sean [<mailto:SComstock@whpacific.com>]
Sent: Friday, January 14, 2011 2:36 PM
To: Craig Kohanek
Cc: Lomax, Tom
Subject: R11702-11, G-13943 Claim of Beneficial Use review and deficiency identification

Good Afternoon Craig,

I prepared the COBU for Application G-13943, and was just reading through the review comments provided in your e-mail to Mr. Tom Lomax with Mt. Bachelor Inc. earlier today. One of the items in the review letter stated that the COBU map was needed to proceed. This signed map on polyester film was submitted along with the COBU application on 9/29/10. I was able to retrieve a copy of this map from the OWRD website using the Water Rights Information Query system. I've attached the map that was received at the Department to this e-mail (please see 30663 image[1].pdf). This scanned map lost some of the detail provided on the original. I've also attached a copy of the original map that shows the additional detail, (COBU Map (9-29-10)). Is this map acceptable for use with the COBU application?

We are currently working to address the other review item pertaining to demonstration of beneficial use, and will respond as soon as possible.

Thanks for your timely review. Please don't hesitate to contact me with any questions or concerns.

Sean Comstock PE, CWRE
Project Engineer

WHPacific

123 SW Columbia Street | Bend, OR 97702
D 541.312.2737 | O 541.388.4255 | F 541.388.4229

Enhancing communities through creative, exceptional service

Connie Vance

From: Mike Zwart
Sent: Thursday, October 07, 2010 11:53 AM
To: Connie Vance
Subject: FW: Mt. Bachelor Pump Test
Attachments: Pump Test and Well Log Mt. Bachelor.pdf

Connie,

Ken Lite has approved the pump test for Permit G-12885.

Mike Zwart

From: Ken Lite
Sent: Thursday, October 07, 2010 10:57 AM
To: Frost, Jim
Cc: Mike Zwart
Subject: RE: Mt. Bachelor Pump Test

Jim,

I have reviewed the information you submitted for the pump test for permit G-12885. Although the test does not comply with our pump test rules, the information derived from the test meets the intent of the rules. Therefore, no additional pump tests are required for the claim of beneficial for permit G-12885. Thank you for submitting a thorough description of the well (Desc 9663) and test analysis. I have copied Mike Zwart on this e-mail so he can add this pump test approval and test information to our records for permit G-12885.

Ken

From: Frost, Jim [mailto:JFrost@whpacific.com]
Sent: Tuesday, September 07, 2010 10:57 AM
To: Ken Lite
Cc: Comstock, Sean
Subject: RE: Mt. Bachelor Pump Test

Ken,

It is Permit G12885, please let me know if any additional info is needed.

Thanks,

Jim Frost

Senior Project Manager, WHPacific, Inc.

From: Ken Lite [mailto:liteke@wrdd.state.or.us]
Sent: Tuesday, September 07, 2010 10:16 AM
To: Frost, Jim
Subject: RE: Mt. Bachelor Pump Test

Jim,

10/7/2010

Would you please provide the permit number for this Mt. Bachelor water right. Thanks.

Ken

From: Frost, Jim [mailto:JFrost@whpacific.com]
Sent: Thursday, September 02, 2010 3:43 PM
To: Ken Lite
Subject: FW: Mt. Bachelor Pump Test

Ken,

We are completing a Claim of Beneficial Use Report for the Mt Bachelor water right. I attached the existing pump test data, which does not match the current Pump Test requirements. Please let me know if a new Pump Test following current guidelines is needed for the COBU. Please reply or call with any questions or comments.

Thanks,

Jim Frost

Senior Project Manager, WHPacific, Inc.

From: Comstock, Sean
Sent: Thursday, September 02, 2010 2:51 PM
To: Frost, Jim
Subject: Mt. Bachelor Pump Test

Jim,

Here is a scan of the pump test and well log report that Kleinfelder, Inc. prepared back in 1994 for Mt. Bachelor. Thanks for your help.

Sean

Oregon Water Resources Department
Water Rights Division

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SEP 30 2010
WATER RESOURCES DEPT
SALEM, OREGON
Water Rights Application
Number G 13943

Final Order
Extension of Time for Permit Number G 12885

Appeal Rights

This is a final order in other than contested case. Pursuant to ORS 536.075 and OAR 137-004-080 and OAR 690-01-005, you may either petition the Director for reconsideration of this order or petition for judicial review of this order. As provided in ORS 536.075, this order is subject to judicial review under ORS 183.484. Any petition for judicial review of the order must be filed within the 60 day time period specified by ORS 183.484(2).

Application History

On February 5, 1999, United States Forest Service, Mt. Bachelor, Inc. submitted an application to the Department for an extension of time for permit number G 12885. The Department issued Permit number G 12885 on October 25, 1996. The permit called for completion of construction of the water development project by October 1, 1998 and complete application of water to the full beneficial use by October 1, 1999. In accordance with OAR 690-320-0010(8), on May 11, 1999, the Department issued a Proposed Final Order proposing to extend the time to complete development of the water development project to October 1, 2008, and/or the time to fully apply water to beneficial use to October 1, 2009. The protest period closed June 25, 1999. No protest was filed.

The permittee must submit a written progress report to the Department by October 1, 2004. The report must be received by the Department not sooner than 90 days prior to the due date. The permittee's report must describe in detail the work done each year since the last extension was granted or the last progress report submitted. The report shall include:

- a) The amount of construction completed;
- b) The amount of beneficial use of water being made, including the total volume of water used, water used relative to the specific authorizations (types of use, acres irrigated, etc.) contained in the permit, and the percent of the total allowable water use that this represents;
- c) A review of the permittee's compliance with terms and

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JAN 27 2000

SEP 30 2010

WATER RESOURCES DEPT
SALEM, OREGON

- conditions of the permit and/or previous extension; and
- d) Financial investments made toward developing the beneficial water use.

The Department will review the progress report to determine whether the permittee is exercising diligence towards completion of the project and complying with the terms and conditions of the permit and extension.

Failure to submit a progress report by the due date above will result in cancellation of the undeveloped portion of the permit by the Department pursuant to ORS 537.260 or 537.410 to 537.450. Within one year after cancellation, the permittee must submit a final proof survey pursuant to ORS 537.230 and 537.250.

If the Department finds that diligence is questionable, the Department may:

- a) request the permittee to submit additional information with which to evaluate diligence;
- b) apply additional conditions and performance criteria for perfection of the right; or
- c) cancel the undeveloped portion of the permit pursuant to ORS 537.260 or 537.410 to 537.450. The Department will grant the permittee a hearing on the cancellation, if one is requested.

In determining whether the permittee has been diligent, the Department will consider information submitted to the Department by the permittee and any information submitted during the 30-day public comment period following public notice of submittal of the progress report.

If information is received through the public notice process indicating that the applicant has not been diligent toward completing the project, and if the director determines there are significant disputes related to the use of water, the Department will conduct a hearing.

The applicant has demonstrated good cause for the permit extension pursuant to ORS 537.230, 537.248, 537.630 and 539.010(5) (as appropriate).

Order

The extension of time for Application G 13943, Permit Number G 12885, therefore, is approved. The deadline for completing construction is extended to October 1, 2008. The deadline for

applying water to full beneficial use is extended to October 1, 2009.

DATED January 26, 2000

Martha O. Pagel
Martha O. Pagel, Director

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WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

11
DESC
9563

OCT 21 1994
WATER RESOURCES DEPT.
SALEM, OREGON

185/9E/2ba

Page 1 of 2

(START CARD)# 65248

(1) OWNER: Well Number _____
Name Mt. Bachelor
Address 335 SW Century Drive
City Bend State OR Zip 97702

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable
 Other _____

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Other _____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 1038 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
17"	0	890	Cement	0	60	210
13"	890	1038				

How was seal placed: Method A B C D E
 Other _____

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft.

(6) CASING/LINER:
Casing: Diameter 14" From +105 To 890 Gauge .375
Liner: 10" 880 1034 .025

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:
 Perforations Method Fac
 Screens Type _____

From	To	Slot size	Number	Diam
890	1034	3/16 x 4	6480	10"

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem at	Time
1850	80'		1 hr. 24 hr.

Temperature of Water 51° Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Deschutes Latitude _____ Longitude _____
Township 18 S N or S. Range 9 E E or W. WM.
Section 2 NE 1/4 NW 1/4
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address)
Mt. Bachelor Ski Lodge

(10) STATIC WATER LEVEL:
705 ft. below land surface. Date 7-15-94
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 725

From	To	Estimated Flow Rate	SWL
725	1038	1000 +	705

(12) WELL LOG:

Material	From	To	SWL
Fill cinders black	0	30	
Cinders black-tan med	30	40	
t gray hard	40	125	
basalt red/black	125	135	
and basalt red/wh	135	155	
and vesicular bas	155	175	
red hard	175	208	
rd	208	220	
own black	220	250	
basalt red/br/blk	250	330	
t gray/black hard	330	345	
k med hard	345	395	
ghly vesicular	395		
z soft		415	
ghly vesicular	415		
t		455	
gray red fresh	455		
		475	
face adestic basalt	475	730	
t fract. hard	730	940	
riaceous basalt	940		
gray red trace brown weathered		960	

Date started 6-15-94 Completed cont. on pg. 2
(unbonded) Water Well Constructor Certification: 7-15-94

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
Signed [Signature] WWC Number 1523
Date 10-17-94

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
Signed [Signature] WWC Number 1358
Date 10-17-94

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

11
DESC
9563

OCT 21 1994

WATER RESOURCES DEPT.

SALEM, OREGON

(START CARD)# 65248

185/9E/2ba

Page 1 of 2

(1) OWNER: Well Number _____

Name Mt. Bachelor
Address 335 SW Century Drive
City Bend State OR Zip 97702

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well 1038 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
17"	0	890	Cement	0	60	210
13"	890	1038				

How was seal placed: Method A B C D E
 Other

Backfill placed from _____ ft. to _____ ft. Material _____

Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Casing:	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	14"	+105	890	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:	10"	880	1034	.0250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method Factory
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
890	1034	3/16x4	6480	10"		<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
			1 hr.
1850	80'		24 hr.

Temperature of Water 51° Depth Artesian Flow Found _____

Was a water analysis done? Yes By whom _____

Did any strata contain water not suitable for intended use? Too little

Salty Muddy Odor Colored Other

Depth of strata: _____

(9) LOCATION OF WELL by legal description:

County Deschutes Latitude _____ Longitude _____
Township 18 S N or S. Range 9 E E or W. WM.
Section 2 NE 4 NW 4
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Mt. Bachelor Ski Lodge

(10) STATIC WATER LEVEL:

705 ft. below land surface. Date 7-15-94
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 725

From	To	Estimated Flow Rate	SWL
725	1038	1000 +	705

(12) WELL LOG:

Material	From	To	SWL
Fill cinders black	0	30	
Cinders black-tan med	30	40	
Andestic basalt gray hard	40	125	
Cinders with basalt red/black	125	135	
Cinders pumice and basalt red/wt	135	155	
Pumice cinder and vesicular basalt	155	175	
Basalt black med hard	175	208	
Basalt gray hard	208	220	
Cinders red brown black	220	250	
Cinders trace basalt red/br/blk	250	330	
Andestic basalt gray/black hard	330	345	
Cinder gray/blk med hard	345	395	
Cinder gray highly vesicular	395		
weathered very soft		415	
Cinder red highly vesicular	415		
fresh very soft		455	
Basalt cinder gray red fresh	455		
med hard		475	
Cinder with trace andestic basalt	475	730	
Andestic basalt fract. hard	730	940	
Cinder and scoriaceous basalt	940		
gray red trace brown weathered		960	

Date started 6-15-94 Completed cont. on pg. 2

(unbonded) Water Well Constructor Certification: 7-15-94

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

Signed [Signature] WWC Number 1523
Date 10-17-94

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

Signed [Signature] WWC Number 1358
Date 10-17-94

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

Page 2 Of 2

(START CARD) # 65248

DESC
9563

18s/9e/2ka

(1) OWNER: Well Number _____
Name Mt. Bachelor
Address 335 SW Century Drive
City Bend State OR Zip 97702

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable
 Other _____

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Other _____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well _____ ft.
Explosives used Yes No Type _____ Amount _____

HOLE		SEAL		Amount		
Diameter	From	To	Material	From	To	sacks or pounds

How was seal placed: Method A B C D E
 Other _____

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
Casing:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:
 Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Flowing Artesian
Yield gal/min _____ Drawdown _____ Drill stem at _____ Time _____
_____ 1 hr.

Temperature of Water _____ Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Deschutes Latitude _____ Longitude _____

Township 18 S N or S. Range 9 E E or W. WM.
Section 2 NE 1/4 NW 1/4
Tax Lot _____ Lot _____ Block _____ Subdivision _____

Street Address of Well (or nearest address)
Mt. Bachelor Ski Lodge

(10) STATIC WATER LEVEL:
705 ft. below land surface. Date 7-15-94
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 725

From	To	Estimated Flow Rate	SWL
<u>725</u>	<u>1038</u>	<u>1000 +</u>	<u>705</u>

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
<u>Basalt gray highly vesicular</u>	<u>960</u>		
<u>aphanitic slightly weathered</u>		<u>975</u>	
<u>Pumice and scoriaceous basalt</u>	<u>975</u>		
<u>white gray some vesicular cinder</u>			
<u>red</u>		<u>1038</u>	

Date started 6-15-94 Completed 7-15-94

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
Signed [Signature] WWC Number 1523
Date 10-17-94

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
Signed [Signature] WWC Number 1358
Date 10-17-94

Will guess 1500 gpm = Q for first iterations:

Pump Horsepower = 450

Pump Efficiency = 80% (Turbine Pump)

From THE WELL Log - Static Water Level = 705'

From THE PUMP TEST - Pumping Water Level = 795' (at 1500 gpm) } 90' Drawdown

Vertical Lift (Well Head to Fire Hydrant) = 6320' - 6320' = 0'

NOTE: THE Fire hydrant and well head are at the approximate same elevation, thus there is no vertical lift between the two. This hydrant would be used in the event of a fire, and water could be delivered directly to the hydrant from the well through underground piping. It could also be used to fill water trucks.

Total Static Head = 795' (Pumping Water Level at 1500 gpm).

Dynamic Head:

Piping: 90' +/- OF 10" ϕ (FROM WELL HEAD TO TEE FOR FIRE HYDRANT)

40' +/- OF 6" ϕ (LATERAL PIPE TO THE HYDRANT)

Head Loss THROUGH 10" ϕ PIPE AND 6" ϕ PIPE:

Using the Hazen-Williams Formula:

C = 150 (AFC)

$$h_f, \text{ feet} = \frac{10.44 (90') (1500)^{1.85}}{(150)^{1.85} (10')^{4.75}} = \underline{0.90'}$$

$$h_f, \text{ feet} = \frac{10.44 (40') (1500)^{1.85}}{(150)^{1.85} (6')^{4.75}} = \underline{4.8'}$$

The pump has 8" ϕ column, head loss through the column:

For 8" ϕ column, with 15/16 shaft size:

11.3' / 100' of column, (See attached Table)

The pump set at 860', (bottom of column)

$$\left(\frac{11.3'}{100'}\right) = \left(\frac{X}{860'}\right), \quad X = \text{Head Loss} \approx \underline{97' \text{ feet}}$$

Loss Through 2 GATE VALVES \approx 1 foot

Loss Through 5 - 90° Bends \approx 1 foot

* Misc. Losses - 10 feet, (Fire Hydrant, etc.)

Dynamic Head = 0.90' + 4.8' + 97' + 12' \approx 115'

Total Dynamic Head = 795' + 115' = 910'
(TDH)

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SALEM, OREGON

$$Q_{\text{pump}} = \frac{(\text{horsepower}) (\text{pump efficiency})}{\text{TOTAL HEAD IN FEET}}$$

$$Q_{\text{pump}} = [(450 \text{ HP}) \times (550 \text{ ft lb/sec/HP}) \times (0.80)] / [(62.4 \text{ lb/ft}^3) \times (910 \text{ ft.})]$$

$$\approx 3.49 \text{ cfs} \approx 1565 \text{ gpm} > 1500 \text{ gpm} \text{ higher flow rate. so, will try a slightly}$$

Try 1550 gpm, calculate head loss:

From Pump Test Data:

AT 1500 GPM, Drawdown = 90'

AT 2000 GPM, Drawdown = 140'

AT 1550 GPM, 50' OF DRAWDOWN FOR AN INCREASE OF 500 GPM,
 $\frac{50}{500} = \frac{x}{50}$, $x = 5'$, (Additional drawdown if rate were increased to 1550 GPM).

$$90' + 5' = 95'$$

So, AT 1550 GPM, the Pumping Water Level = 800'

Total Static Head = 800'

Dynamic losses through the column = 12.0' / 100' OF COLUMN,

$$(12.0' / 100') = \left(\frac{x}{800'}\right), x = \text{Head Loss} = \underline{103'}$$

Head Loss through the 150" ϕ pipe at 1550 gpm:

$$\frac{10.44 (90') (1550^{1.85})}{(150^{1.85}) (104.87)} = 0.95'$$

Through 6" ϕ pipe:

$$\frac{10.44 (40') (1550^{1.85})}{(150^{1.85}) (64.87)} = 5.1'$$

* Assume an additional 12' loss through bends, valves, fire hydrant, etc.

$$\text{TDH @ 1550 GPM} = 800' + 103' + 0.95' + 5.1' + 12' \approx \underline{921'}$$

$$Q_{\text{pump}} = [(450 \text{ HP}) \times (550 \text{ ft lb/sec/HP}) \times (0.80)] / [(62.4 \text{ lb/ft}^3) \times (921 \text{ ft.})]$$

$$\approx 3.45 \text{ cfs} \approx \underline{1548 \text{ gpm} \approx 1550 \text{ GPM}} \text{ (FOR WELL PUMP FOR POA: MTB-02)}$$

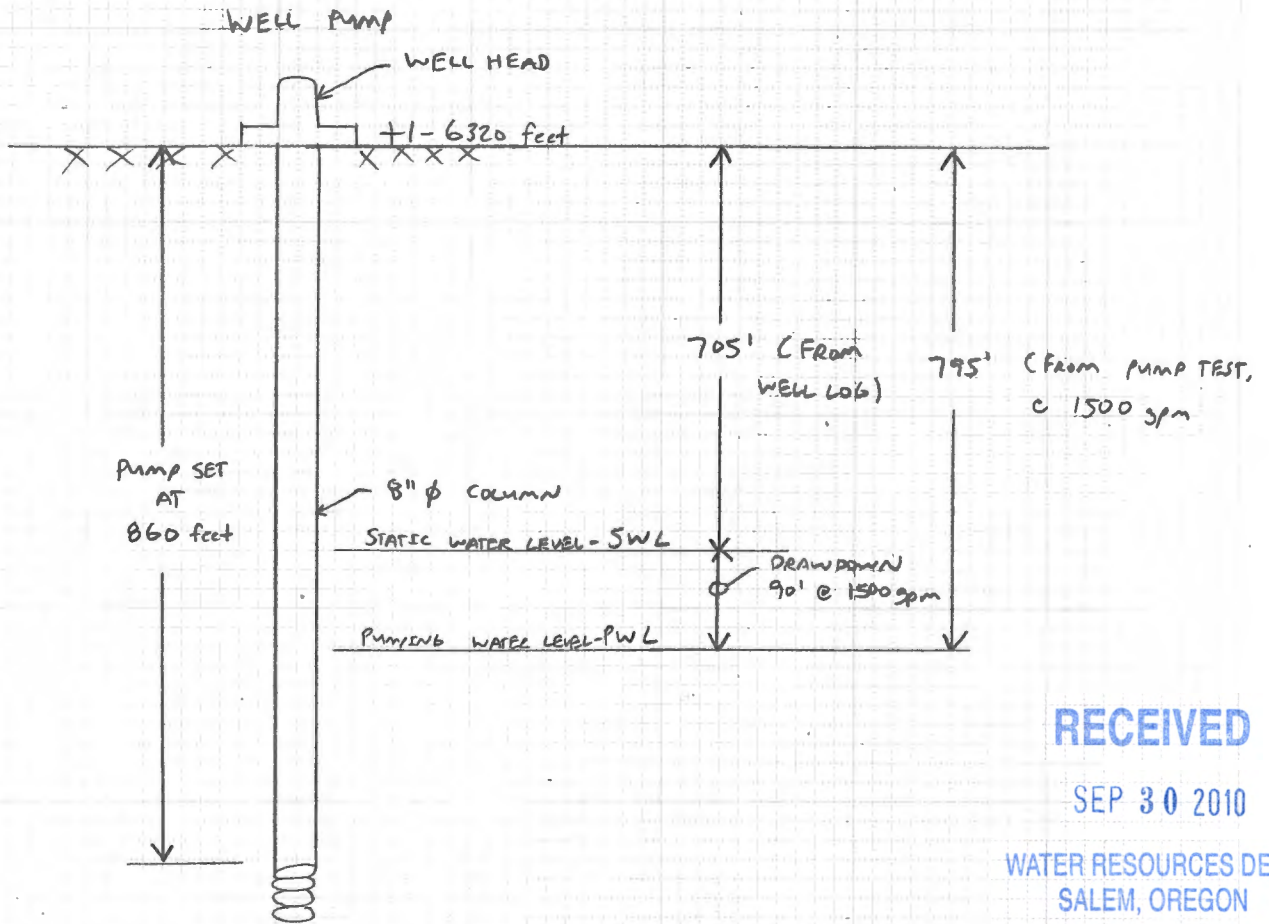
According to these calculations, the pump theoretically could supply approx. 1,550 gpm to the place of use.

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WATER RESOURCES DEPT
SALEM, OREGON

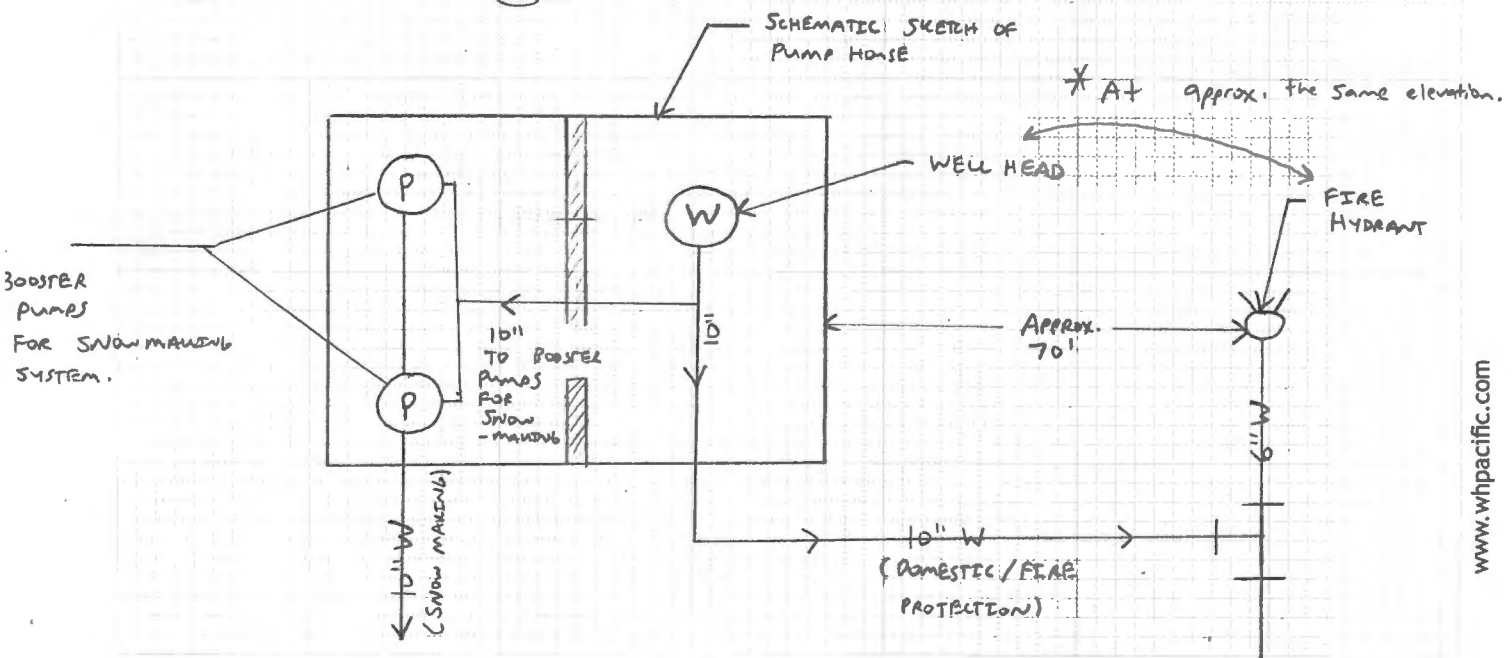
Schematic Sketch



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www.whpacific.com

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WATER RESOURCES DEPT
SALEM, OREGON

2001

Oregon Water Resources Department
October through September
Water Use Recording and Reporting Form

2002

Consult the water right (permit, certificate, order) to determine applicable reporting conditions; the measurement, recording, and reporting conditions identified in a permitted or certified water right typically follow the place of use description. Use the columns below to document measurements for each authorized point of diversion/appropriation or reservoir. We ask that zeros be reported for any given month when water is not being used. Keep a copy of all measurement reports for your records. We encourage you to submit your water use data via our online utility when available, and to use the Monthly Water Use Forms for record keeping purposes. To lookup water rights, access the water use reporting webpage/online utility, or to obtain additional forms visit our web site: <http://www.wrd.state.or.us>

US Forest Service (40 Mt. Bachelor Inc.)
Water Right Holder's Name

Water Right Holder's Business Name or Entity Name

4026

USER ID#

gcamp@mtbachelor.com
Water Right Holder's Email

1230 NE 3rd St. Bend, OR 97701
Water Right Holder's Complete Mailing Address

541-419-6243
Phone Number

Facility Report ID →	Application: 6 - 13943 Permit: 6 - 12885 Other:	Application: - Permit: - Other:	Application: - Permit: - Other:	Application: - Permit: - Other:
Describe the units of measurement as AF (acre-feet), G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), or MCF (million cubic feet)				
October - 2001	55,835			
November - 2001	72,915			
December - 2001	438,270			
January - 2002	487,220			
February - 2002	658,690			
March - 2002	651,675			
April - 2002	432,312			
May - 2002	203,607			
June - 2002	19,802			
July - 2002	132,366			
August - 2002	156,271			
September - 2002	90,790			
TOTAL *	0.0 3,399,753	0.0	0.0	0.0
Unit of Measurement	<input checked="" type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF

Describe the method of measurement used: Meter. If used for irrigation, total number of acres irrigated: _____

I certify this information is true and accurate to the best of my knowledge.

BASE AREA SUPERINTENDENT

9-27-10
Date

[Signature]
Signature

GARY CAMP
Name and Title (print)

MT BACHELOR INC
Company

541 419-6243
Phone Number

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program; 725 Summer Street NE, Suite A. Salem, OR 97301.

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WATER RESOURCES DEPT
SALEM, OREGON

2002

Oregon Water Resources Department
October through September
Water Use Recording and Reporting Form

2003

Consult the water right (permit, certificate, order) to determine applicable reporting conditions; the measurement, recording, and reporting conditions identified in a permitted or certified water right typically follow the place of use description. Use the columns below to document measurements for each authorized point of diversion/appropriation or reservoir. We ask that zeros be reported for any given month when water is not being used. Keep a copy of all measurement reports for your records. We encourage you to submit your water use data via our online utility when available, and to use the Monthly Water Use Forms for record keeping purposes. To lookup water rights, access the water use reporting webpage/online utility, or to obtain additional forms visit our web site: <http://www.wrd.state.or.us>

US Forest Service, (C/O Mt. Bachelor Inc.)

Water Right Holder's Name

Water Right Holder's Business Name or Entity Name

4026

USER ID#

gcamp@mtbachelor.com

Water Right Holder's Email

1230 NE 3rd St. Bend, OR. 97701

Water Right Holder's Complete Mailing Address

541-419-6243

Phone Number

Facility Report ID	Application: 6 - 13943 Permit: 6 - 12885 Other:	Application: - Permit: - Other:	Application: - Permit: - Other:	Application: - Permit: - Other:
Describe the units of measurement as AF (acre-feet), G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), or MCF (million cubic feet)				
October - 2002	80,260			
November - 2002	500,000			
December - 2002	890,000			
January - 2003	530,482			
February - 2003	826,000			
March - 2003	544,000			
April - 2003	390,000			
May - 2003	291,000			
June - 2003	3,000			
July - 2003	288,000			
August - 2003	256,000			
September - 2003	140,000			
TOTAL *	0.0 4739,182	0.0	0.0	0.0
Unit of Measurement	<input checked="" type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF

Describe the method of measurement used: Meter. If used for irrigation, total number of acres irrigated: _____

I certify this information is true and accurate to the best of my knowledge.

9-27-10
Date

[Signature]
Signature

GARY CAMP
Name and Title (print)

BASE AREA SUPER.

MT. BACHELOR INC.
Company

(541) 419 6243
Phone Number

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program; 725 Summer Street NE, Suite A; Salem, OR 97301.

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SEP 30 2010

WATER RESOURCES DEPT
SALEM, OREGON

2003

Oregon Water Resources Department
October through September
Water Use Recording and Reporting Form

2004

Consult the water right (permit, certificate, order) to determine applicable reporting conditions; the measurement, recording, and reporting conditions identified in a permitted or certified water right typically follow the place of use description. Use the columns below to document measurements for each authorized point of diversion/appropriation or reservoir. We ask that zeros be reported for any given month when water is not being used. Keep a copy of all measurement reports for your records. We encourage you to submit your water use data via our online utility when available, and to use the Monthly Water Use Forms for record keeping purposes. To lookup water rights, access the water use reporting webpage/online utility, or to obtain additional forms visit our web site: <http://www.wrd.state.or.us>

US Forest Service (Cp Mt. Bachelor Inc.)
Water Right Holder's Name

Water Right Holder's Business Name or Entity Name

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USER ID#

gcamp@mtbachelor.com
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1230 NE 3rd St. Bend OR 97701
Water Right Holder's Complete Mailing Address

541-419-6243
Phone Number

Facility Report ID →	Application: 6 - 13943 Permit: 6 - 12885 Other:	Application: - Permit: - Other:	Application: - Permit: - Other:	Application: - Permit: - Other:
Describe the units of measurement as AF (acre-feet), G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), or MCF (million cubic feet)				
October - 2003	32,440			
November - 2003	129,540			
December - 2003	525,480			
January - 2004	418,085			
February - 2004	378,990			
March - 2004	438,000			
April - 2004	381,000			
May - 2004	175,000			
June - 2004	75,000			
July - 2004		PLEASE NOTE: WELL LOG IS MISSING		
August - 2004	77,133	-BLUIDINGS ONLY ENTRIES FROM 2-JUL-04		
September - 2004		TO 18 OCT 04 USE FOR		
TOTAL *	0.0 3,289,668	0.0	0.0 THAT PERIOD	0.0 659,000
Unit of Measurement	<input checked="" type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF

Describe the method of measurement used: meter. If used for irrigation, total number of acres irrigated: _____

I certify this information is true and accurate to the best of my knowledge.

9-27-10 Date
Joseph Camp Signature
GAOS CAMP Name and Title (print)
CASE AREA SUPER. Company
MT BACHELOR INC Phone Number
(541) 419-6243

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program; 725 Summer Street NE, Suite A; Salem, OR 97301.

RECEIVED

SEP 30 2010

WATER RESOURCES DEPT
SALEM, OREGON

2004

Oregon Water Resources Department
October through September
Water Use Recording and Reporting Form

2005

Consult the water right (permit, certificate, order) to determine applicable reporting conditions; the measurement, recording, and reporting conditions identified in a permitted or certified water right typically follow the place of use description. Use the columns below to document measurements for each authorized point of diversion/appropriation or reservoir. We ask that zeros be reported for any given month when water is not being used. Keep a copy of all measurement reports for your records. We encourage you to submit your water use data via our online utility when available, and to use the Monthly Water Use Forms for record keeping purposes. To lookup water rights, access the water use reporting webpage/online utility, or to obtain additional forms visit our web site: <http://www.wrd.state.or.us>

US Forest Service (c/o Mt. Bachelor Inc.) 4026
 Water Right Holder's Name USER ID#
 Water Right Holder's Business Name or Entity Name 541-419-6243
 Water Right Holder's Email Phone Number
 Water Right Holder's Complete Mailing Address

Facility Report ID	Application: Permit: Other:	Application: Permit: Other:	Application: Permit: Other:	Application: Permit: Other:
	6 - 15943 6 - 12685	- - -	- - SNOW MAKING	- - -
Describe the units of measurement as AF (acre-feet), G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), or MCF (million cubic feet)				
October - 2004	90,000	ESTIMATE	806,943	
November - 2004	94,000		3,100,100	
December - 2004	1,522,790	METER FAILED		
January - 2005	1,306,000	AND READ		
February - 2005	853,000	HIGH		
March - 2005	385,000	REPLACED MID		
April - 2005	384,000	FEB		
May - 2005	385,000	AVERAGE		
June - 2005	57,000	FOR THESE		
July - 2005	143,000	MONTHS	IRRIGATION	
August - 2005	422,000	MISSING	104,859	
September - 2005	47,000	LOGS		
TOTAL *	0.0 5,668,830	0.0	0.0	0.0
Unit of Measurement	<input checked="" type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF

Describe the method of measurement used: meter . If used for irrigation, total number of acres irrigated: _____

I certify this information is true and accurate to the best of my knowledge.

9-27-10 [Signature] GARY CAMP BASE AREA SUPERINTENDT MT. BACHELOR INC (541) 419-6243
 Date Signature Name and Title (print) Company Phone Number

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program; 725 Summer Street NE, Suite A; Salem, OR 97301.

RECEIVED

SEP 30 2010

WATER RESOURCES DEPT
OR, OREGON

2005

Oregon Water Resources Department October through September Water Use Recording and Reporting Form

2006

Consult the water right (permit, certificate, order) to determine applicable reporting conditions; the measurement, recording, and reporting conditions identified in a permitted or certified water right typically follow the place of use description. Use the columns below to document measurements for each authorized point of diversion/appropriation or reservoir. We ask that zeros be reported for any given month when water is not being used. Keep a copy of all measurement reports for your records. We encourage you to submit your water use data via our online utility when available, and to use the Monthly Water Use Forms for record keeping purposes. To lookup water rights, access the water use reporting webpage/online utility, or to obtain additional forms visit our web site: <http://www.wrd.state.or.us>

US Forest Service (C/O Mt. Bachelor Inc) 4026
 Water Right Holder's Name USER ID#

gsamp@mtbachelor.com 1230 NE 3rd St. Bend, OR. 97701 541-419-6243
 Water Right Holder's Email Water Right Holder's Complete Mailing Address Phone Number

Facility Report ID	Application: Permit: Other:	Application: Permit: Other:	Application: Permit: Other:	Application: Permit: Other:
	Application: 6 - 13943 Permit: 6 - 12885 Other:	Application: - Permit: - Other: SAW MAKING	Application: - Permit: - Other:	Application: - Permit: - Other:
Describe the units of measurement as AF (acre-feet), G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), or MCF (million cubic feet)				
October - 2005	209,000	31,577		
November - 2005	520,000	748,109		
December - 2005	794,000	385,575		
January - 2006	767,000			
February - 2006	648,000			
March - 2006	733,000			
April - 2006	434,000			
May - 2006	217,000			
June - 2006	76,000			
July - 2006	124,000			
August - 2006	127,000			
September - 2006	122,000			
TOTAL *	0.0 4,771,000	0.0 1,833,370	0.0	0.0
Unit of Measurement	<input checked="" type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF

Describe the method of measurement used: meter . If used for irrigation, total number of acres irrigated: _____

I certify this information is true and accurate to the best of my knowledge.

9-27-10 Greg Camp BASE AREA SUPERINTENDENT MT BACHELOR INC (541) 419-6243
 Date Signature Name and Title (print) Company Phone Number

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program; 725 Summer Street NE, Suite A; Salem, OR 97301.

RECEIVED

SEP 30 2010

WATER RESOURCES DEPT
SALEM, OREGON

2006

Oregon Water Resources Department
October through September
Water Use Recording and Reporting Form

2007

Consult the water right (permit, certificate, order) to determine applicable reporting conditions; the measurement, recording, and reporting conditions identified in a permitted or certified water right typically follow the place of use description. Use the columns below to document measurements for each authorized point of diversion/appropriation or reservoir. We ask that zeros be reported for any given month when water is not being used. Keep a copy of all measurement reports for your records. We encourage you to submit your water use data via our online utility when available, and to use the Monthly Water Use Forms for record keeping purposes. To lookup water rights, access the water use reporting webpage/online utility, or to obtain additional forms visit our web site: <http://www.wrd.state.or.us>

US Forest Service (C/O Mt. Bachelor Inc) 4026
Water Right Holder's Name Water Right Holder's Business Name or Entity Name USER ID#
scamp@mtbachelor.com 1230 NE 3rd St. Bend, OR. 97701 541-419-6243
Water Right Holder's Email Water Right Holder's Complete Mailing Address Phone Number

Facility Report ID →	Application: 6 - 13943 Permit: 6 - 12885 Other:	Application: - Permit: - Other: SNOW MAKING	Application: - Permit: - Other:	Application: - Permit: - Other:
Describe the units of measurement as AF (acre-feet), G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), or MCF (million cubic feet)				
October - 2006	168,000	372,812		
November - 2006	439,000	1,793,194		
December - 2006	850,000	650,554		
January - 2007	794,000			
February - 2007	817,000			
March - 2007	840,000			
April - 2007	504,000			
May - 2007	224,000			
June - 2007	223,000			
July - 2007	726,000			
August - 2007	1,487,000			
September - 2007	1,316,000			
TOTAL *	0.0 8,388,000	0.0 3,467,114	0.0	0.0
Unit of Measurement	<input checked="" type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF

Describe the method of measurement used: meter . If used for irrigation, total number of acres irrigated: _____

I certify this information is true and accurate to the best of my knowledge.

9-27-10 Date [Signature] Signature GARY CAMP Name and Title (print) BASE AREA SUPERINTENDENT Company MT BACHELOR INC Phone Number (541) 419-6243

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program; 725 Summer Street NE, Suite A; Salem, OR 97301.

RECEIVED

SEP 30 2010

WATER RESOURCES DEPT
SALEM, OREGON

2007

Oregon Water Resources Department
October through September
Water Use Recording and Reporting Form

2008

Consult the water right (permit, certificate, order) to determine applicable reporting conditions; the measurement, recording, and reporting conditions identified in a permitted or certified water right typically follow the place of use description. Use the columns below to document measurements for each authorized point of diversion/appropriation or reservoir. We ask that zeros be reported for any given month when water is not being used. Keep a copy of all measurement reports for your records. We encourage you to submit your water use data via our online utility when available, and to use the Monthly Water Use Forms for record keeping purposes. To lookup water rights, access the water use reporting webpage/online utility, or to obtain additional forms visit our web site: <http://www.wrd.state.or.us>

US Forest Service (c/o Mt. Bachelor Inc.)

4026

Water Right Holder's Name

Water Right Holder's Business Name or Entity Name

USER ID#

scamp@mtbachelor.com

1230 NE 3rd St. Bend, OR 97701

541-419-6243

Water Right Holder's Email

Water Right Holder's Complete Mailing Address

Phone Number

Facility Report ID	Application: 6 - 13943 Permit: 6 - 12885 Other:	Application: - Permit: - Other: SNOW MAKING	Application: - Permit: - Other:	Application: - Permit: - Other:
Describe the units of measurement as AF (acre-feet), G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), or MCF (million cubic feet)				
October - 2007	363,000			
November - 2007	355,000	6,803,403		
December - 2007	702,000	4,185,765		
January - 2008	1,228,000			
February - 2008	808,000			
March - 2008	836,000			
April - 2008	506,000			
May - 2008	250,000			
June - 2008	216,000			
July - 2008	375,000			
August - 2008	215,000			
September - 2008	200,000			
TOTAL *	0.0	0.0	0.0	0.0
Unit of Measurement	<input checked="" type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF

Describe the method of measurement used: meter. If used for irrigation, total number of acres irrigated: _____

I certify this information is true and accurate to the best of my knowledge.

9-27-10 Date
 Signature: [Signature]
 Name and Title (print): GARY CAMP BASE AREA SUPERINTENDENT
 Company: MT BACHELOR INC.
 Phone Number: (541) 419-6243

Please complete and mail to: Oregon Water Resources Department, Water Use Reporting Program, 725 Summer Street NE, Suite A, Salem, OR 97301.

RECEIVED

SEP 30 2010

WATER RESOURCES DEPT
SALEM, OREGON

2008

Oregon Water Resources Department
October through September
Water Use Recording and Reporting Form

2009

Consult the water right (permit, certificate, order) to determine applicable reporting conditions; the measurement, recording, and reporting conditions identified in a permitted or certified water right typically follow the place of use description. Use the columns below to document measurements for each authorized point of diversion/appropriation or reservoir. We ask that zeros be reported for any given month when water is not being used. Keep a copy of all measurement reports for your records. We encourage you to submit your water use data via our online utility when available, and to use the Monthly Water Use Forms for record keeping purposes. To lookup water rights, access the water use reporting webpage/online utility, or to obtain additional forms visit our web site: <http://www.wrd.state.or.us>

US Forest Service (C/O Mt. Bachelor Inc.)
Water Right Holder's Name

4026
Water Right Holder's Business Name or Entity Name

4026
USER ID#

gcamp@mtbachelor.com
Water Right Holder's Email

1230 NE 3rd St. Bend, OR 97701
Water Right Holder's Complete Mailing Address

541-419-6243
Phone Number

Facility Report ID →	Application: 6-13943 Permit: 6-12885 Other:	Application: - Permit: - Other: SNOW MAKING	Application: - Permit: - Other:	Application: - Permit: - Other:
Describe the units of measurement as AF (acre-feet), G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), or MCF (million cubic feet)				
October - 2008	218,000			
November - 2008	153,000	1,099,118		
December - 2008	398,000	5,451,790		
January - 2009	683,000			
February - 2009	604,000			
March - 2009	741,000			
April - 2009	415,000			
May - 2009	233,000			
June - 2009	122,000			
July - 2009	349,000			
August - 2009	232,000			
September - 2009	148,000			
TOTAL *	0.0 4,269,000	0.0 6,550,908	0.0	0.0
Unit of Measurement	<input checked="" type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF

Describe the method of measurement used: meter If used for irrigation, total number of acres irrigated: _____

I certify this information is true and accurate to the best of my knowledge.

9-27-10 Date
 Signature: [Signature]
 Name and Title (print): GARY CAMP
 Company: BASE AREA SUPERINTENDENT
MT. BACHELOR INC.
 Phone Number: (541) 419-6243

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program; 725 Summer Street NE, Suite A; Salem, OR 97301.

RECEIVED

SEP 30 2010

WATER RESOURCES DEPT
SALEM, OREGON

2009

Oregon Water Resources Department October through September Water Use Recording and Reporting Form

2010

Consult the water right (permit, certificate, order) to determine applicable reporting conditions; the measurement, recording, and reporting conditions identified in a permitted or certified water right typically follow the place of use description. Use the columns below to document measurements for each authorized point of diversion/appropriation or reservoir. We ask that zeros be reported for any given month when water is not being used. Keep a copy of all measurement reports for your records. We encourage you to submit your water use data via our online utility when available, and to use the Monthly Water Use Forms for record keeping purposes. To lookup water rights, access the water use reporting webpage/online utility, or to obtain additional forms visit our web site: <http://www.wrd.state.or.us>

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gcamp@mtbachelor.com 1230 NE 3rd St. Bend, OR 97701 541-419-6243
 Water Right Holder's Email Water Right Holder's Complete Mailing Address Phone Number

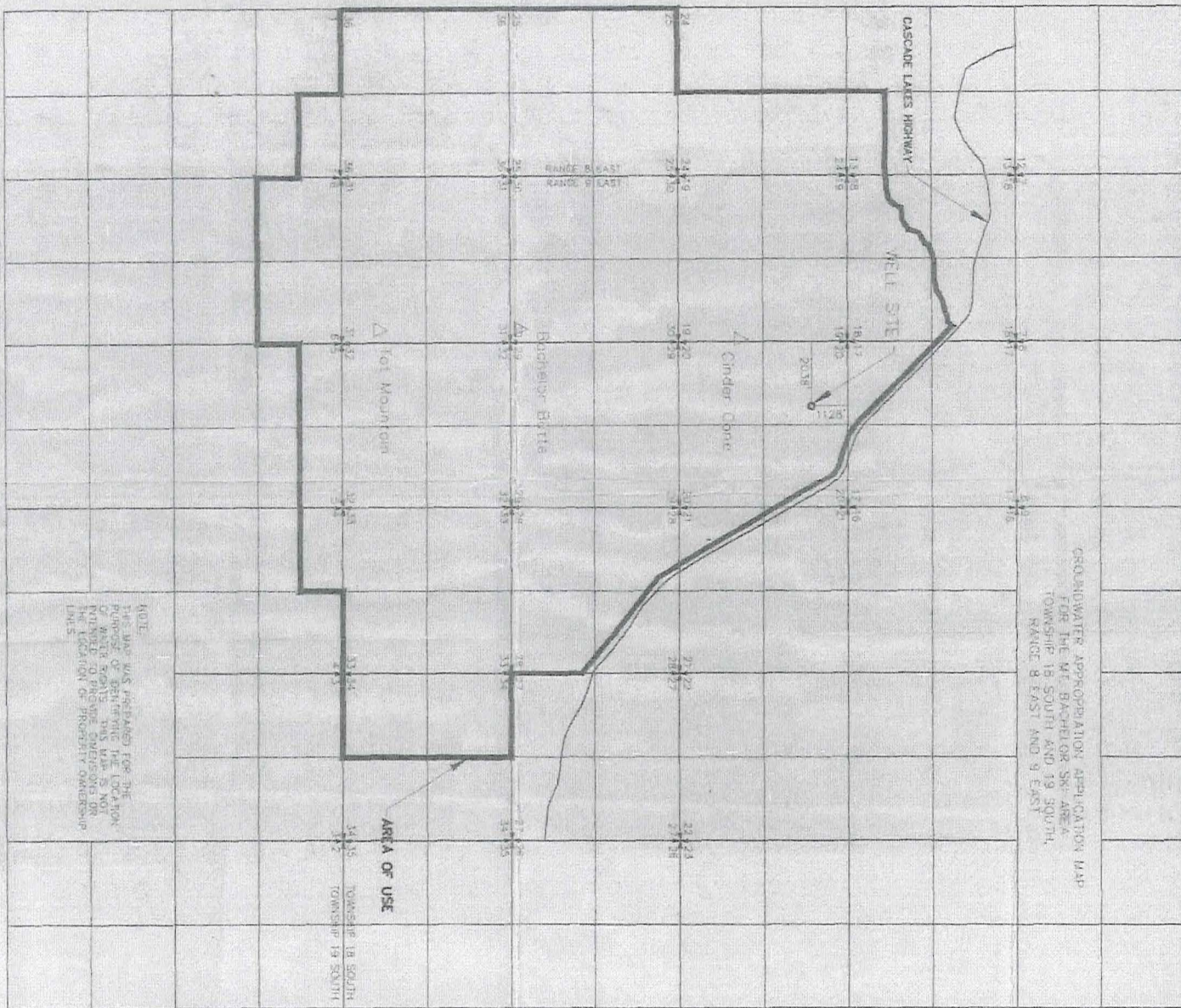
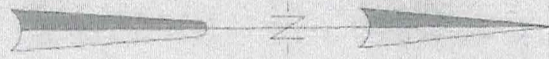
Facility Report ID	Application: Permit: Other:	Application: Permit: Other:	Application: Permit: Other:	Application: Permit: Other:
	Application: 6 - 13943 Permit: 6 - 12005 Other:	Application: - Permit: - Other:	Application: - Permit: - Other:	Application: - Permit: - Other:
Describe the units of measurement as AF (acre-feet), G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), or MCF (million cubic feet)				
October - 2009	69,000			
November - 2009	245,000	1,982,051		
December - 2009	507,000	4,304,164		
January - 2010	566,000	481,407		
February - 2010	592,000			
March - 2010	653,000			
April - 2010	364,000			
May - 2010	275,000			
June - 2010	77,000			
July - 2010	123,000			
August - 2010	231,000			
September - 2010				
TOTAL *	0.0	0.0 6,767,672	0.0	0.0
Unit of Measurement	<input checked="" type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input checked="" type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF	<input type="checkbox"/> G <input type="checkbox"/> KG <input type="checkbox"/> MG <input type="checkbox"/> AF <input type="checkbox"/> CF <input type="checkbox"/> MCF

Describe the method of measurement used: _____ If used for irrigation, total number of acres irrigated: _____

I certify this information is true and accurate to the best of my knowledge.

9-27-10 Ray C Camp Grey Camp MT BACHELOR INC BASE AREA SUPER (541) 419-6243
 Date Signature Name and Title (print) Company Phone Number

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program; 725 Summer Street NE, Suite A; Salem, OR 97301.



NOTE:
THIS MAP WAS PREPARED FOR THE
PURPOSE OF DETERMINING THE LOCATION
OF WATER RIGHTS AND DOES NOT
WARRANT TO PRESERVE OR PROTECT OR
THE LOCATION OF PROPERTY OWNERSHIP
LINES.

RECEIVED
SEP 30 2010
WATER RESOURCES DEPT
SALEM, OREGON

Application No. 6-13943
Permit No.

NLM	CHECKED BY:	10/11/94
NLM	PLOT DATE:	
REVISION	CK'D	APPR.



© W&H PACIFIC, 1993

**MT. BACHELOR SKI AREA
APPLICATION MAP FOR
GROUNDWATER APPROPRIATION**

Deschutes County
SCALE: 1"=2640'

PROJECT NO. 2956-0303

DRAWING FILE NAME: GROUNDWA.DWG

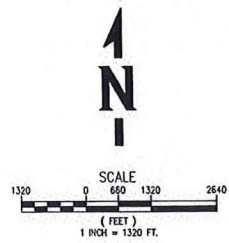
Oregon

JAN 11 1995

W&H PACIFIC
WATER RESOURCES
SALEM, OREGON

155 N.E. Bevere
Bend, OR 97701

Phone: (503) 388-4255 Fax: (503) 388-4229
Planning • Engineering • Surveying
Landscape Architecture • Environmental Services



UNITED STATES FOREST SERVICE C/O MT. BACHELOR INC.
 CLAIM OF BENEFICIAL USE MAP
 APPLICATION G-13943, PERMIT G-12885
 SEPTEMBER, 2010
 LOCATED WITHIN TOWNSHIP 18 SOUTH, RANGE 9 EAST, W.M.,
 TOWNSHIP 19 SOUTH, RANGE 9 EAST, W.M.

- LEGEND**
- ⊙ EXISTING WELL LOCATION
 - SECTION LINE
 - QUARTER SECTION LINE
 - - - SIXTEENTH SECTION LINE
 - ▭ AREA OF USE FOR QUAS-MUNICIPAL WATER RIGHT (PERMIT G-12885)

POINT OF APPROPRIATION (MTB-02):
 TOWNSHIP 18 SOUTH, RANGE 9 EAST, W.M., SECTION 20,
 SE 1/4, NW 1/4.
 LOCATION: 1447' SOUTH AND 2255' EAST FROM THE
 NORTHWEST CORNER OF SECTION 20.

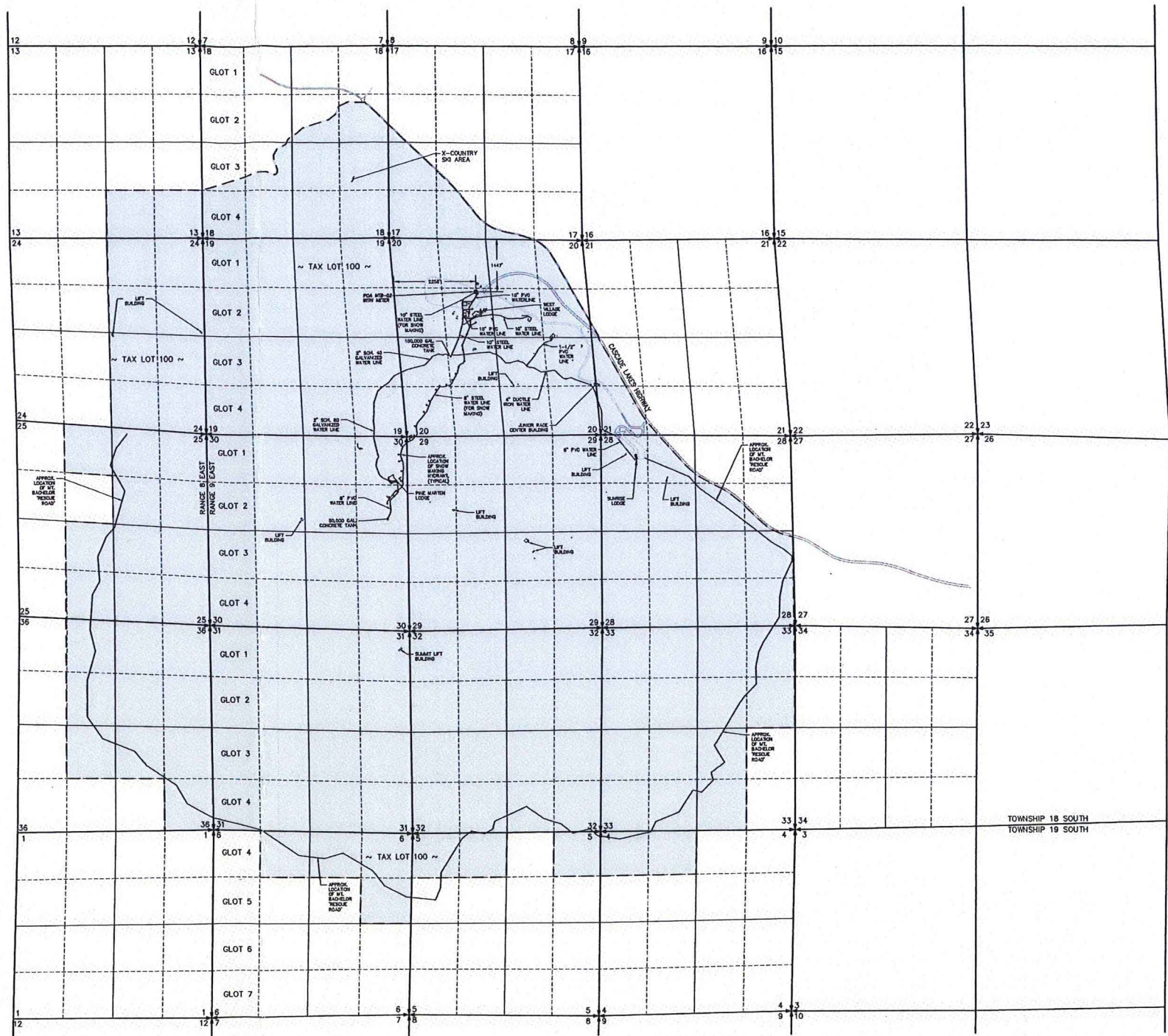
COBU MAP # 0538



NOTE: THIS MAP WAS PREPARED FOR THE PURPOSE
 OF IDENTIFYING THE LOCATION OF WATER RIGHTS.
 THIS MAP IS NOT INTENDED TO PROVIDE LEGAL DIMENSIONS
 OR LOCATIONS OF PROPERTY OWNERSHIP LINES.

NOTE: THE LOCATIONS OF FEATURES SHOWN ON THIS MAP
 WERE OBTAINED FROM WHPACIFIC AS-BUILT CONSTRUCTION
 DRAWINGS, WHPACIFIC SURVEY TOPOGRAPHIC DATA,
 DESCHUTES COUNTY GIS, FIELD MAPPING USING A
 GEODEXPLORER MODEL NUMBER 79000-00 HAND HELD GPS
 RECEIVER, AERIAL AUTOCAD INFORMATION AND FROM
 INTERVIEWING MT. BACHELOR INC. STAFF.

WHPacific
 123 SW Columbia Street
 Bend, OR 97702
 541-388-4256 Fax 541-388-4229
 www.whpacific.com



STATE OF OREGON REMITTANCE ADVICE

TO SIGN UP FOR DIRECT POSIT PAYMENT SERVICE AND RECEIVE CONVENIENT,
ELECTRONIC PAYMENTS, LOG-ON TO <http://egov.oregon.gov/www/SCD/SFMS/ach.shtml>
ON THE INTERNET. CLICK ON: FORMS AND BROCHURES THEN SELECT DIRECT
DEPOSIT (ACH) AUTHORIZATION FORM.

WARRANT NO.
122107515

WATER RESOURCES DEPARTMENT

(503) 986-0926 EXT.

INVOICE NO.	INVOICE DATE	INVOICE DESCRIPTION	AGY	DOCUMENT	AMOUNT
		G-13943/101670 REVENUE REFUND	690	VP032710	1,356.00

Records have been redacted or withheld pursuant to the exemption for financial transfer records specified in ORS 192.345(27).

VENDOR NAME: MT. BACHELOR INC

ISSUE DATE: 02/15/11

WARRANT AMOUNT: 1,356.00

FOLD ON PERFORATION LINE TO OPEN. BE CAREFUL NOT TO TEAR.

DO NOT ACCEPT THIS CHECK UNLESS YOU CAN SEE A TRUE WATERMARK OF CHAIN-LINKED SHAPES WHEN HELD TO THE LIGHT.

STATE OF OREGON

Dept of Administrative Services
To the State Treasurer, Salem, OR 97301-3896

WATER RESOURCES DEPARTMENT
(503) 986-0926 EXT.

PAYABLE THROUGH US BANK

96-10
1232

CHECK DATE

02/15/11



BANK WARRANT NO.

12 2107515

PAY THIS AMOUNT

\$1,356.00

DOCUMENT NO.

VP032710

*****ONE THOUSAND THREE HUNDRED FIFTY SIX AND 00/100 DOLLARS

PAY TO THE ORDER OF:

MT. BACHELOR INC
PO BOX 1000
BEND

OR 97709-1524

VOID AFTER 2 YEARS FROM DATE OF ISSUE

John J. Fozard

AUTHORIZED SIGNATURE

THE FACE OF THIS CHECK HAS A COLORED BACKGROUND. EXPLANATION OF ADDITIONAL SECURITY FEATURES INDICATED ON REVERSE SIDE.

WATER RESOURCES DEPARTMENT
REQUEST FOR DISTRIBUTION OF FUNDS

TO: Fiscal Services Section

DATE: February 10, 2011

FROM: R. Craig Kohanek

RE: Request for Refund

APPLICATION: G-13943

RECEIPT #: 101670

Please prepare a refund in the amount of \$ 1,356.00 made payable to:

Name: Mt. Bachelor Inc.

Address: P.O. Box 1000

City: Bend, OR 97709-1524

These funds are being paid or refunded as a result of (check one):

- Request for file to be Withdrawn
- Rejected
- Excess fees were collected for application
- Protest filing fees
- Standing fees
- Permit recording fees
- Other: Contract Cancelled – See attached.

I have reviewed this distribution request and have determined the request to be justified as to the purpose indicated above. Fiscal Services is hereby authorized to process the requested distribution.

Authorized Signature: R. Craig Kohanek

Date: 2-10-2011

OK Dwight Ford 2/14/11

Craig Kohanek

From: Craig Kohanek
Sent: Monday, February 07, 2011 11:42 AM
To: 'Lomax, Tom'
Subject: RE: Written response to your 1/28/11 letter

Tom,

Thanks for the email, as it provides a paper trail. We'll be refunding the remaining funds under contract R-11702-11.

Craig

From: Lomax, Tom [mailto:tlomax@mtbachelor.com]
Sent: Monday, February 07, 2011 11:09 AM
To: Craig Kohanek
Subject: RE: Written response to your 1/28/11 letter

Craig, Thank you for the information. We would like to proceed with closing out the contract until we can provide the test results. We are working though our options on the best way and time for us to conduct the test. Please advise on how we proceeded from here.

Thank You

Tom Lomax
Dir. Mt Operations
Mt Bachelor Ski Resort
511-410-0122
tlomax@mtbachelor.com

From: Craig Kohanek [mailto:kohanerc@wrd.state.or.us]
Sent: Monday, February 07, 2011 9:05 AM
To: SComstock@whpacific.com
Cc: Lomax, Tom
Subject: Written response to your 1/28/11 letter

Sean,

I left you a voice message last Friday, February 4th in response to your request that the Department provide an extension or administrative hold on the processing of the COBU for R11702-11, application G-13943, Mt. Bachelor Inc. As I said on the voice message, given that the four hour duration test to demonstrate beneficial use of the water cannot be conducted till summer and perhaps even early winter, the agency thinks it best to close-out the current contract and refund the remaining funds. Once the test has been conducted, Mt. Bachelor Inc. would seek a new estimate and contract. The intent of the Reimbursement Authority Program is to expedite the issuance of extensions, certificates, and transfers. An extension or administrative hold is inconsistent with that purpose.

R. Craig Kohanek
Interim Senior Water Rights Specialist
Reimbursement Authority

2/8/2011

WATER RESOURCES DEPARTMENT
REQUEST FOR DISTRIBUTION OF FUNDS

TO: Fiscal Services Section

11/22/2010
Time = 1 hr Progi.
Mgmt.

: February 10, 2011

FROM: R. Craig Kohanek

RE: Request for Refund

APPLICATION: G-13943

EIPT #: 101670

Please prepare a refund in the

payable to:

Name: Mt. Bachelor Inc.

Taxet,

Address: P.O. Box 1000

City: Bend, OR 97709-152.

These funds are being paid or refunded as a result of (c)

Original Receipts
are in the Green Files.
Any Questions call me.

- Request for file to be Withdrawn
- Rejected
- Excess fees were collected for application
- Protest filing fees
- Standing fees
- Permit recording fees
- Other: Contract Cancelled – See attached.

B. Craig

90823

I have reviewed this distribution request and have determined the request to be justified as to the purpose indicated above. Fiscal Services is hereby authorized to process the requested distribution.

Authorized Signature: R. Craig Kohanek

Date: 2-10-2011

WATER RESOURCES DEPARTMENT
REQUEST FOR DISTRIBUTION OF FUNDS

TO: Fiscal Services Section

DATE: February 10, 2011

FROM: R. Craig Kohanek

RE: Request for Refund

APPLICATION: G-13943

RECEIPT #: 101670

Please prepare a refund in the amount of \$ 1,356.00 made payable to:

Name: Mt. Bachelor Inc.

Address: P.O. Box 1000

City: Bend, OR 97709-1524

These funds are being paid or refunded as a result of (check one):

- Request for file to be Withdrawn
- Rejected
- Excess fees were collected for application
- Protest filing fees
- Standing fees
- Permit recording fees
- Other: Contract Cancelled – See attached.

I have reviewed this distribution request and have determined the request to be justified as to the purpose indicated above. Fiscal Services is hereby authorized to process the requested distribution.

Authorized Signature: R. Craig Kohanek

Date: 2-10-2011

Craig Kohanek

From: Craig Kohanek
Sent: Monday, February 07, 2011 11:42 AM
To: 'Lomax, Tom'
Subject: RE: Written response to your 1/28/11 letter

Tom,

Thanks for the email, as it provides a paper trail. We'll be refunding the remaining funds under contract R-11702-11.

Craig

From: Lomax, Tom [mailto:tlomax@mtbachelor.com]
Sent: Monday, February 07, 2011 11:09 AM
To: Craig Kohanek
Subject: RE: Written response to your 1/28/11 letter

Craig, Thank you for the information. We would like to proceed with closing out the contract until we can provide the test results. We are working though our options on the best way and time for us to conduct the test. Please advise on how we proceeded from here.

Thank You

Tom Lomax
Dir. Mt Operations
Mt Bachelor Ski Resort
511-410-0122
tlomax@mtbachelor.com

From: Craig Kohanek [mailto:kohanerc@wrd.state.or.us]
Sent: Monday, February 07, 2011 9:05 AM
To: SComstock@whpacific.com
Cc: Lomax, Tom
Subject: Written response to your 1/28/11 letter

Sean,

I left you a voice message last Friday, February 4th in response to your request that the Department provide an extension or administrative hold on the processing of the COBU for R11702-11, application G-13943, Mt. Bachelor Inc. As I said on the voice message, given that the four hour duration test to demonstrate beneficial use of the water cannot be conducted till summer and perhaps even early winter, the agency thinks it best to close-out the current contract and refund the remaining funds. Once the test has been conducted, Mt. Bachelor Inc. would seek a new estimate and contract. The intent of the Reimbursement Authority Program is to expedite the issuance of extensions, certificates, and transfers. An extension or administrative hold is inconsistent with that purpose.

R. Craig Kohanek
Interim Senior Water Rights Specialist
Reimbursement Authority

Transfer #

Application # G-13943 Permit # G-12885

Name of RA Applicant: RA#

Mt. Bachelor R11702-11

Reimbursement Authority Process

Itemized Estimate Sheet

for

Certificates

	Est. Time (hr)	Individual	Est. Cost	Date	Act. Time (hr)
1. Review Claim of Beneficial Use report and map	2.00	Bob	\$180		
2. Conflict Check	0.50	Bob	\$45		
3. Preparation of deficiency letter	2.00	Bob	\$180	3 1-14-11 Email	
4. Preparation of proposed certificate	1.50	Bob	\$135		
5a. Peer review	1.00	Gerry	\$85		
5b. Peer review	0.20	Dwight	\$22		
5c. Peer review		Jerry G.	\$0		
6. Project Management	3.50	Bob	\$315	11-22-10 1 hr POU	0.2 3/2 0.17/10 \$117 ⁰⁰
7a. Water right data record update	0.20	Connie	\$11		
7b. Water right data record update	2.50	Data Tech	\$150		
8. Pump test (if applicable)	4.00	Mike Z	\$380		
Total	17.40		\$1,503		

\$27

\$144 charges

Notes: 11/09/10

QM

Meter before use and record water use

Need pump test ✓ 10-7-2010 Email from Ken Wite.

Need 4 in 8 to determine max use

Need revised map showing where water was actually used

Proposed certificate expected to do reduced POU (expected) and possibly reduced rate, depending on 4 in 8

Revised \$1,356⁰⁰

1500



**OREGON WATER RESOURCES DEPARTMENT
CERTIFICATE REIMBURSEMENT AUTHORITY
APPLICANT'S AGREEMENT**



Contract Number: R11702 11

This Agreement is between the Oregon Water Resources Department, hereafter OWRD, and Mt. Bachelor Inc. hereafter Applicants, hereafter known together as the parties.

OWRD Information	Applicant's Information	Applicant's Representative
Project Contact: Bob Rice	Name: Tom Lomax	Name:
Reimbursement Authority	Title: Director Mountain Operations	Title:
Oregon Water Resources Department	Company: Mt. Bachelor Inc.	Company:
725 Summer Street, NE	Address: P.O. Box 1000	Address:
Salem, OR 97301-1271	Bend, OR 97709-1524	
Phone: 503-986-0927	Phone: 541-410-0122	Phone:
Email: Robert.D.Rice@wrds.state.or.us	Email: tlomax@mtbachelor.com	Email:

- Purpose.** The purpose of this Agreement is to expedite the processing of the Claim of Beneficial Use. (Application Number: G-13943)
- Authority.** ORS 536.055 authorizes the OWRD to enter into a voluntary agreement with any applicant, permittee or regulated entity (collectively Applicant) for expediting or enhancing a regulatory process. In making this agreement, OWRD shall require the applicant to pay the full cost of expedited process.
- Restrictions.** Mt. Bachelor Inc. and OWRD agree that this Agreement shall not be construed to restrict in any way the decisions and actions by OWRD. OWRD shall be free to exercise independent judgment consistent with existing laws and regulations.
- Effective Date and Duration.** Unless otherwise terminated by non-deposit of funds by the Applicant, this Agreement shall become effective on the date on which both parties have signed the Agreement and the full deposit of the estimated cost of the proposed service has been received by OWRD.
- Consideration.** Mt. Bachelor Inc. shall pay OWRD in advance for actual costs incurred by OWRD. Mt. Bachelor Inc. agrees to pay the full amount of **\$1500** to OWRD prior to commencement of any work stated in this Agreement. This payment will be placed in an account administered by OWRD and drawn upon as costs are actually incurred. If the actual cost of performing the work is less than payments received, OWRD will refund the unspent balance. If the actual cost of processing exceeds the estimate, the Applicant can either elect to terminate this Agreement or amend the Agreement to reflect the increase in cost. The costs stated in this Agreement do not include the statutory application processing and filing fees.
- Confidentiality.** Mt. Bachelor Inc. agrees that any information provided to or acquired by OWRD under this Agreement will be subject to the Oregon Public Records Law and shall be considered public records.
- Indemnity.** Applicant shall defend, save, hold harmless, and indemnify the State of Oregon, OWRD, and their officers, employees, and agents from and against all claims, suits, actions, losses, damages, liabilities, costs and expenses of any nature resulting from or arising out of, or relating to the activities of Applicant or its representatives, officers, employees, contractors, or agents under this Agreement or with respect to the expedited service. The Applicant acknowledges that the Oregon Water Resources Department cannot and does not guarantee a favorable review under the subject regulatory process.

8. **Termination.** Applicant may request to terminate this agreement only in writing at anytime during the process. The Applicant agrees to pay for the work done by the Reimbursement Authority personnel up until the time of the written termination request. OWRD, upon receiving such written termination request from the Applicant, will refund any unspent balance after paying the Reimbursement Authority personnel for the work done.
9. **Funds Authorized and Available.** By its execution of this Agreement, Applicants certifies that sufficient funds are authorized and available to cover the expenditures contemplated by this Agreement.
10. **Duration of Estimate.** The Estimate of Time to complete the work is no later than thirty (30) days once this Agreement has been fully executed and payment of the estimated cost deposited. However, this estimate is contingent on the Applicant's expeditious resolution of any deficiency and may be affected by the Department's work load. This Estimate of Time may become null and void after thirty (30) days from the date the Applicant's Agreement is mailed. If the Applicant's Agreement is not received by the Department within thirty (30) days of mailing the Agreement, the Applicant may need to re-apply for a new estimate.
11. **Completion Date.** OWRD, by the execution of this Agreement does not guarantee the completion date indicated in this Agreement. Completion date is only an estimate and may be affected by the Department's workload, issues arising from the processing of the requested services and Applicant's timely response to requests for additional information.
12. **Captions.** The captions or headings in this Agreement are for the convenience only and in no way define limit or describe the scope or intent of any provision of this Agreement.
13. **Amendment and Merger.** The terms of this Agreement shall not be waived, altered, modified, supplemented or amended in any manner whatsoever, except by written instrument signed by both parties. Such waiver, consent, modification or change, if made, shall be effective only in the specific instance and for the specific purpose given. There are no understandings, agreements or representations, oral or written, not specified herein regarding this Agreement.
14. **Signatures.** All parties, by the authorized representative's signature below, hereby acknowledge that they have read this Agreement, understand it and agree to be bound by its terms and conditions.

Applicant: Tom Lomax
 Name: Tom Lomax
 Title: Director Mountain Operations
 Company: Mt. Bachelor Inc.
 Date: 11/9/2010

For OWRD: B. Craig Kowalek
 Name: Bob Rice B. CRAIG KOWALEK
 Water Rights and Adjudication Division
 Date: 11-22-2010

Mail signed Agreement to:

Bob Rice
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1271

MT BACHELOR

To: OREGON WATER RESOURCE DEPT (64910)

Invoice No.	Date	Description
G-13943	11/9/2010	

TOTALS:

Check Number: 30329599

Date: November 12, 2010

Amount	Discount	Paid Amount
\$1,500.00	\$.00	\$1,500.00
\$1,500.00	\$.00	\$1,500.00

RECEIVED

NOV 18 2010

WATER RESOURCES DEPT
SALEM, OREGON

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172

(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **101279**

INVOICE # _____

RECEIVED FROM: Mt. Bachelor
BY: _____

APPLICATION	G-13943
PERMIT	
TRANSFER	

CASH: CHECK:# 101279 OTHER: (IDENTIFY) _____

TOTAL REC'D \$ 125.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES 47126 R 1170211 \$
0408 OTHER: (IDENTIFY) Reimbursement Authority \$ 125.00
0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS

0407 COPY & TAPE FEES \$
0410 RESEARCH FEES \$
0408 MISC REVENUE: (IDENTIFY) \$
TC162 DEPOSIT LIAB. (IDENTIFY) \$
0240 EXTENSION OF TIME \$

WATER RIGHTS:

0201 SURFACE WATER	EXAM FEE	0202	RECORD FEE
0203 GROUND WATER	\$	0204	\$
0205 TRANSFER	\$		

WELL CONSTRUCTION

0218 WELL DRILL CONSTRUCTOR	EXAM FEE	0219	LICENSE FEE
LANDOWNER'S PERMIT	\$	0220	\$

OTHER (IDENTIFY) _____

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE \$ CARD # _____
0210 MONITORING WELLS \$ CARD # _____
OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FW/WRD) \$
0231 HYDRO LICENSE FEE (FW/WRD) \$
HYDRO APPLICATION \$

TREASURY OTHER / RDX

FUND _____ TITLE _____
OBJ. CODE _____ VENDOR # _____
DESCRIPTION _____ \$

RECEIPT: **101279**

DATED: 9-30-10 BY: [Signature]

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172

(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **101279**

INVOICE # _____

RECEIVED FROM: Mr. Bachelor
BY: _____

APPLICATION	G-13943
PERMIT	
TRANSFER	

CASH: CHECK:# 101279 OTHER: (IDENTIFY) _____

TOTAL REC'D \$ 125.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES 47126 R 1170211 \$
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MISCELLANEOUS

0407 COPY & TAPE FEES \$
0410 RESEARCH FEES \$
0408 MISC REVENUE: (IDENTIFY) \$
TC162 DEPOSIT LIAB. (IDENTIFY) \$
0240 EXTENSION OF TIME \$

WATER RIGHTS:

0201 SURFACE WATER EXAM FEE 0202 \$ \$
0203 GROUND WATER EXAM FEE 0204 \$ \$
0205 TRANSFER \$

WELL CONSTRUCTION

0218 WELL DRILL CONSTRUCTOR EXAM FEE 0219 \$ \$
LANDOWNER'S PERMIT 0220 \$ \$
OTHER (IDENTIFY) _____

**RECEIVED
OVER THE COUNTER**

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE \$ CARD # _____
0210 MONITORING WELLS \$ CARD # _____
OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FW/WRD) \$
0231 HYDRO LICENSE FEE (FW/WRD) \$
HYDRO APPLICATION \$

TREASURY OTHER / RDX

FUND _____ TITLE _____
OBJ. CODE _____ VENDOR # _____
DESCRIPTION _____ \$ _____

RECEIPT: **101279**

DATED: 9-30-10 BY: [Signature]



OREGON WATER RESOURCES DEPARTMENT
 CERTIFICATE REIMBURSEMENT AUTHORITY
 ESTIMATE APPLICATION



ORS 536.055 authorizes the Oregon Water Resources Department to expedite or enhance regulatory processes voluntarily requested under the agreement.

The purpose of this application is to obtain estimates of the cost and time required to process a Certificate Request. **There is a non-refundable application fee of \$125.00 per request.**

REQUEST	TYPE	FILE NUMBER
<input checked="" type="checkbox"/>	Certificate Request	Application Number <u>6-13943</u> Permit Number <u>6-12885</u> Transfer Number (if applicable) <u>NA</u>

	Applicant Information	Applicant's Representative/Contact
Name:	<u>MT Bachelor Inc.</u>	<u>Tom Lomax</u>
Title (optional):		<u>Dir Mountain Operations</u>
Address:	<u>P.O. Box 1000</u> <u>Bend, OR 97709</u>	<u>P.O. Box 1000</u> <u>Bend, OR, 97709</u>
Phone:	<u>541-382-2442</u>	<u>541-410-0122</u>
E-Mail Address:	<u>Tlomax@mtbachelor.com</u>	<u>Tlomax@mtbachelor.com</u>

I certify that I (check one):

- have previously filed a Claim of Beneficial Use.
 am attaching the Claim of Beneficial Use with this request and have included the appropriate claim fee.

I understand the following:

- That upon receipt of my non-refundable application fee in the amount of **\$ 125.00**, OWRD will, within fourteen (14) days, notify me in writing of the estimates of cost and time frame for the expedited service.
- That this fee covers the reimbursement authority staff to evaluate and provide the estimate for processing of the request.
- That upon receiving the estimate I may agree or decline to enter into a formal contract to pay the estimated cost in advance to initiate the expedited service.
- An incomplete or inaccurate Claim of Beneficial Use may delay the process and increase the cost to process my request.
- Expedited processing does not guarantee a favorable review of my request.

You may request a one-hour conference with OWRD staff. The conference would only occur after you have signed the contract and paid the estimated cost of processing your application. Please indicate your preference (check one):

- I do not want to schedule a one-hour conference with OWRD staff.
 I want to schedule a one-hour conference with OWRD staff to discuss my project. I understand that I will be billed for this time, and that it may affect my total costs.

Send completed Application and payment to:
 Oregon Water Resources Department
 Certificate Reimbursement Authority Program
 725 Summer St. NE, Suite A
 Salem, OR 97301-1271

**RECEIVED
 OVER THE COUNTER
 RECEIVED**

SEP 30 2010

WATER RESOURCES DEPT
 SALEM, OREGON

I certify that I am the (check one):

- Applicant Applicant's Representative Other (Please specify) _____

Name: Tom Lomax

Signature: Tom Lomax

OWRD USE ONLY: Reimbursement Authority Number: R11 702 11

MT BACHELOR

To: OREGON WATER RESOURCE DEPT (64910)

Invoice No.	Date	Descript
EXPEDITED REVIEW	9/28/2010	

TOTALS:

Check Number: 30329283

Date: September 28, 2010

unt	Discount	Paid Amount
\$125.00	\$.00	\$125.00
\$125.00	\$.00	\$125.00

RECEIVED
OVER THE COUNTER

RECEIVED

SEP 30 2010

WATER RESOURCES DEPT
SALEM, OREGON

I subsequently spoke w/ Sean Comstock @ 9:00am to confirm that Mt. Bachelor wasn't on a dead end. Rather, they need only provide the info/data, until then can't move forward.

Craig Kohanek *R. Craig Kohanek* - 1-10-12

From: Craig Kohanek <ron.c.kohanek@state.or.us>
Sent: Tuesday, January 10, 2012 8:50 AM
To: Craig Kohanek; Comstock, Sean
Cc: Lomax, Tom; Camp, Gary
Subject: RE: Mt. Bachelor COBU: G-12885

Sean,

There is no need for another extension of time to complete the 4-hour duration test. See my February 7th email. Rather, once the test is performed, all the elements of the Claim of Beneficial Use will be completed and your client will be ready to submit it along with a new Certificate Reimbursement Authority Estimate Application.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrđ.state.or.us

From: Comstock, Sean [<mailto:Scomstock@whpacific.com>]
Sent: Monday, January 09, 2012 8:34 AM
To: Craig Kohanek
Cc: Lomax, Tom; Camp, Gary
Subject: Mt. Bachelor COBU: G-12885

Good Morning Craig,

I am writing you concerning the Claim of Beneficial Use for Permit No. G-12885. This Claim was submitted in September 2010, we received review comments through the expedited review process on January 14th, and have addressed all of the comments other than the one concerning the need to complete the required 4-hour duration test. I've attached a letter we'd sent to you last January asking for an extension of time to complete this test until January 18th, 2012.

The duration test has not yet been completed at this time. The plan is to utilize Mt. Bachelor's snow making system when temperatures permit, to complete the test and utilize water beneficially. Very cold temperatures are required, (10 degrees Fahrenheit), to generate snow at the test flow. Unfortunately, we have not yet had these cold temperatures this winter.

For this reason, Mt. Bachelor has contacted me to request an extension of time, through the end of March this year, to complete the test when cold temperatures permit. Please let us know if this is acceptable.

Thank you, and please contact me with any questions or concerns.

Sean Comstock PE, CWRE
Project Engineer

WHPacific

123 SW Columbia Street | Bend, OR 97702
D 541.312.2737 | O 541.388.4255 | F 541.388.4229

Enhancing communities through creative, exceptional service

Craig Kohanek

From: Comstock, Sean <Scomstock@whpacific.com>
Sent: Monday, January 09, 2012 8:34 AM
To: Craig Kohanek
Cc: Lomax, Tom; Camp, Gary
Subject: Mt. Bachelor COBU: G-12885 App#: G-13943
Attachments: Response to COBU Review for G-12885 (1-28-11).pdf

Good Morning Craig,

I am writing you concerning the Claim of Beneficial Use for Permit No. G-12885. This Claim was submitted in September 2010, we received review comments through the expedited review process on January 14th, and have addressed all of the comments other than the one concerning the need to complete the required 4-hour duration test. I've attached a letter we'd sent to you last January asking for an extension of time to complete this test until January 18th, 2012.

The duration test has not yet been completed at this time. The plan is to utilize Mt. Bachelor's snow making system when temperatures permit, to complete the test and utilize water beneficially. Very cold temperatures are required, (10 degrees Fahrenheit), to generate snow at the test flow. Unfortunately, we have not yet had these cold temperatures this winter.

For this reason, Mt. Bachelor has contacted me to request an extension of time, through the end of March this year, to complete the test when cold temperatures permit. Please let us know if this is acceptable.

Thank you, and please contact me with any questions or concerns.

Sean Comstock PE, CWRE
Project Engineer

WHPacific

123 SW Columbia Street | Bend, OR 97702
D 541.312.2737 | O 541.388.4255 | F 541.388.4229

Enhancing communities through creative, exceptional service

January 28, 2011

Mr. Craig Kohanek
Oregon Water Resources Department
725 Summer Street, NE, Suite A
Salem, Oregon 97301-1266

**Re: Mt. Bachelor, Inc.
Claim of Beneficial Use
Application No. G-13943, Permit No. G-12885
Response to OWRD Review Comments of COBU**

Dear Craig:

We have reviewed your letter e-mailed on January 14 concerning additional information that is needed to process the Claim of Beneficial Use (COBU) application for the Mt. Bachelor Inc. groundwater permit, (G-12885). We greatly appreciate the timely review of the application, and would like to respond to the requests in your letter.

Two items were identified in the letter to be addressed in order to complete the COBU. The first was the need to complete a minimum four hour duration test in which water is applied beneficially at the maximum rate allowed in the groundwater permit. During the current winter season, ground water is pumped to fill the concrete storage tanks as needed, and is used for domestic and fire protection purposes only. Snow making equipment is off-line. It is not necessary for Mt. Bachelor Inc. to pump water at the maximum rate for these uses. Mt. Bachelor would not be able to apply all of the water used in a duration test to beneficial use during the current winter season.

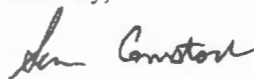
There are two times of year when Mt. Bachelor could beneficially use the maximum rate allowed: during the summer and early winter. During the summer, the maximum pump rate could be used to irrigate slopes within ski runs to establish native vegetation for erosion protection, for dust control on parking lots and roads and for other accepted quasi-municipal uses. In early winter, prior to the opening of ski season and if weather conditions permit, snow making hydrants and guns are used to generate snow in the vicinity of the Pine Marten lift. If the duration test is conducted in the winter, water would be pumped from the well at or near the maximum allowable rate and used beneficially to make snow while concurrently providing domestic supply to the storage tank.

We respectfully request an informal time extension or Department hold on review and processing of the COBU until one of these seasons so the system can be tested when the maximum pump rate can be fully beneficially used. We propose to complete and submit the results of the duration test to the OWRD by January 18, 2012. Please let us know if this is acceptable.

The second item identified in your letter was in regards to the lack of the required map that is to be submitted with the COBU. We received an e-mail from you on January 18th stating that the map had been located at your offices, reviewed and found to be complete.

Please consider the request in this letter, and don't hesitate to contact me if you have any questions or concerns. The ground water is of critical importance to Mt. Bachelor operations. Thank you for your assistance.

Sincerely,



Sean Comstock, P.E., C.W.R.E.
Project Engineer – WHPacific

CC: Tom Lomax – Mt. Bachelor Inc.
Gary Camp – Mt. Bachelor Inc.

January 28, 2011

Mr. Craig Kohanek
Oregon Water Resources Department
725 Summer Street, NE, Suite A
Salem, Oregon 97301-1266

**Re: Mt. Bachelor, Inc.
Claim of Beneficial Use
Application No. G-13943, Permit No. G-12885
Response to OWRD Review Comments of COBU**

Dear Craig:

We have reviewed your letter e-mailed on January 14 concerning additional information that is needed to process the Claim of Beneficial Use (COBU) application for the Mt. Bachelor Inc. groundwater permit, (G-12885). We greatly appreciate the timely review of the application, and would like to respond to the requests in your letter.

Two items were identified in the letter to be addressed in order to complete the COBU. The first was the need to complete a minimum four hour duration test in which water is applied beneficially at the maximum rate allowed in the groundwater permit. During the current winter season, ground water is pumped to fill the concrete storage tanks as needed, and is used for domestic and fire protection purposes only. Snow making equipment is off-line. It is not necessary for Mt. Bachelor Inc. to pump water at the maximum rate for these uses. Mt. Bachelor would not be able to apply all of the water used in a duration test to beneficial use during the current winter season.

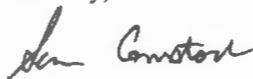
There are two times of year when Mt. Bachelor could beneficially use the maximum rate allowed: during the summer and early winter. During the summer, the maximum pump rate could be used to irrigate slopes within ski runs to establish native vegetation for erosion protection, for dust control on parking lots and roads and for other accepted quasi-municipal uses. In early winter, prior to the opening of ski season and if weather conditions permit, snow making hydrants and guns are used to generate snow in the vicinity of the Pine Marten lift. If the duration test is conducted in the winter, water would be pumped from the well at or near the maximum allowable rate and used beneficially to make snow while concurrently providing domestic supply to the storage tank.

We respectfully request an informal time extension or Department hold on review and processing of the COBU until one of these seasons so the system can be tested when the maximum pump rate can be fully beneficially used. We propose to complete and submit the results of the duration test to the OWRD by January 18, 2012. Please let us know if this is acceptable.

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Please consider the request in this letter, and don't hesitate to contact me if you have any questions or concerns. The ground water is of critical importance to Mt. Bachelor operations. Thank you for your assistance.

Sincerely,



Sean Comstock, P.E., C.W.R.E.
Project Engineer – WHPacific

CC: Tom Lomax – Mt. Bachelor Inc.
Gary Camp – Mt. Bachelor Inc.

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

725 Summer St. N.E. Ste. A

SALEM, OR 97301-4172

(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **101670**

INVOICE # _____

RECEIVED FROM: Mt. Bachelor

APPLICATION 613943

BY: _____

PERMIT _____

TRANSFER _____

CASH: CHECK.# 30329599 OTHER: (IDENTIFY) _____

TOTAL REC'D \$ 1500.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES 47126 R 1170211 \$ _____
0408 OTHER: (IDENTIFY) Reimbursement Authority \$ 1500.00

0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS

0407 COPY & TAPE FEES \$ _____
 0410 RESEARCH FEES \$ _____
 0408 MISC REVENUE: (IDENTIFY) _____ \$ _____
 TC162 DEPOSIT LIAB. (IDENTIFY) _____ \$ _____
 0240 EXTENSION OF TIME \$ _____

WATER RIGHTS:

0201 SURFACE WATER	EXAM FEE	0202	RECORD FEE
\$ _____		\$ _____	\$ _____
0203 GROUND WATER	EXAM FEE	0204	\$ _____
\$ _____			

WELL CONSTRUCTION

0218 WELL DRILL CONSTRUCTOR	EXAM FEE	0219	LICENSE FEE
\$ _____		\$ _____	\$ _____
LANDOWNER'S PERMIT		0220	\$ _____
			\$ _____

OTHER (IDENTIFY) _____

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE \$ _____ CARD # _____
 0210 MONITORING WELLS \$ _____ CARD # _____

OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FW/WRD) \$ _____
 0231 HYDRO LICENSE FEE (FW/WRD) \$ _____
 HYDRO APPLICATION \$ _____

TREASURY OTHER / RDX

FUND _____ TITLE _____
 OBJ. CODE _____ VENDOR # _____
 DESCRIPTION \$ _____

RECEIPT: **101670**

DATED: 11-18-10 BY: DR

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

725 Summer St. N.E. Ste. A

SALEM, OR 97301-4172

(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **101670**

INVOICE # _____

RECEIVED FROM: Mt. Bachelor

APPLICATION 613943

BY: _____

PERMIT _____

TRANSFER _____

CASH: CHECK: # 30327599 OTHER: (IDENTIFY) _____

TOTAL REC'D \$ 1500.00

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 DESCRIPTION _____ \$ _____

RECEIPT: **101670**

DATED: 11-18-10 BY: DR

Craig Kohanek

From: Craig Kohanek
Sent: Monday, February 07, 2011 11:42 AM
To: 'Lomax, Tom'
Subject: RE: Written response to your 1/28/11 letter

Tom,

Thanks for the email, as it provides a paper trail. We'll be refunding the remaining funds under contract R-11702-11.

Craig

From: Lomax, Tom [mailto:tlomax@mtbachelor.com]
Sent: Monday, February 07, 2011 11:09 AM
To: Craig Kohanek
Subject: RE: Written response to your 1/28/11 letter

Craig, Thank you for the information. We would like to proceed with closing out the contract until we can provide the test results. We are working though our options on the best way and time for us to conduct the test. Please advise on how we proceeded from here.

Thank You

Tom Lomax
Dir. Mt Operations
Mt Bachelor Ski Resort
511-410-0122
tlomax@mtbachelor.com

From: Craig Kohanek [mailto:kohanerc@wrd.state.or.us]
Sent: Monday, February 07, 2011 9:05 AM
To: SComstock@whpacific.com
Cc: Lomax, Tom
Subject: Written response to your 1/28/11 letter

Sean,

I left you a voice message last Friday, February 4th in response to your request that the Department provide an extension or administrative hold on the processing of the COBU for R-11702-11, application G-13943, Mt. Bachelor Inc. As I said on the voice message, given that the four hour duration test to demonstrate beneficial use of the water cannot be conducted till summer and perhaps even early winter, the agency thinks it best to close-out the current contract and refund the remaining funds. Once the test has been conducted, Mt. Bachelor Inc. would seek a new estimate and contract. The intent of the Reimbursement Authority Program is to expedite the issuance of extensions, certificates, and transfers. An extension or administrative hold is inconsistent with that purpose.

R. Craig Kohanek
Interim Senior Water Rights Specialist
Reimbursement Authority

2/8/2011

Oregon Water Resources Department

Phone: 503-986-0823

Fax: 503-986-0901

Ron.C.Kohanek@wrd.state.or.us

www.wrd.state.or.us

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Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.C.Kohanek@wrд.state.or.us
www.wrd.state.or.us

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Phone: 503-986-0823
Fax: 503-986-0901
Ron.C.Kohanek@wrд.state.or.us
www.wrd.state.or.us

Craig Kohanek

From: Comstock, Sean [SComstock@whpacific.com]
Sent: Friday, January 28, 2011 3:17 PM
To: Craig Kohanek
Cc: Lomax, Tom; Camp, Gary
Subject: R11702-11, G-13943 Claim of Beneficial Use review and deficiency identification
Attachments: Response to COBU Review for G-12885 (1-28-11).pdf

Good Afternoon Craig,

I've attached a letter for your review and consideration regarding the review of the Claim of Beneficial Use for Permit No. G-12885.

Thank You,

Sean Comstock PE, CWRE
 Project Engineer

WHPacific

123 SW Columbia Street | Bend, OR 97702

D 541.312.2737 | O 541.388.4255 | F 541.388.4229

Enhancing communities through creative, exceptional service

From: Craig Kohanek [mailto:kohanerc@wrd.state.or.us]
Sent: Friday, January 14, 2011 8:15 AM
To: Lomax, Tom
Subject: R11702-11, G-13943 Claim of Beneficial Use review and deficiency identification

Tom,

In reviewing your Claim of Beneficial Use (COBU) everything appears to check-out with the exception of two items. The first item that we are lacking is information demonstrating the amount of water beneficially used, at the rate identified in the COBU, consistent with the information below.

RATE AND BENEFICIAL USE

1. Minimum diversion point demonstration time is four hours. Alternatively, a municipal or quasi-municipal permit holder could establish its maximum rate by pumping at that rate (or greater) for not less than four hours during a maximum of an eight hour period. Example: During an eight hour period there are four hours where the minimum pumping rate was 10 CFS. Conclusion: Regarding the "rate" element of proof, the permittee has established a 10 CFS rate.
2. All of the water diverted during the demonstration period needs to be used beneficially (not wasted). The water does not need to be used during the rate

demonstration period. Water providers divert water into in-system storage tanks and then consume the water over a longer period of time.

3. If there are multiple diversion points on the permit, the proposed or final certificate shall be limited to the rate that has been demonstrated for each diversion point. It is not necessary that each diversion point on a multiple diversion point permit have its demonstration period tested at the same time.

The second item that we must have in order to proceed is a map. The COBU indicates that a map was prepared as part of the work the CWRE performed. However, the only map we received is a copy of the original application map. The COBU map must be on polyester film and identify only those quarter quarters in which water has been used for quasi municipal use.

Additional mapping requirements are identified in the Oregon Administrative Rules (OAR). See links below:

Specifically, I refer you to OAR 690-014-0170 and OAR 690-310-0050 for identifying the elements that must be included in the COBU map. Please provide a map consistent with these rules so that we may process your certificate for permit G-12885.

http://arcweb.sos.state.or.us/rules/OARS_600/OAR_690/690_014.html

http://arcweb.sos.state.or.us/rules/OARS_600/OAR_690/690_310.html

If you have any questions about this situation please give me a call.

R. Craig Kohanek
Interim Senior Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.C.Kohanek@wrdd.state.or.us
www.wrd.state.or.us

Craig Kohanek

From: Craig Kohanek
Sent: Tuesday, January 18, 2011 9:37 AM
To: 'Comstock, Sean'
Cc: Lomax, Tom; Gerry Clark
Subject: RE: R11702-11, G-13943 Claim of Beneficial Use review and deficiency identification
Sean,

My apologies on the COBU map. It seems that when we originally received it, back in September, it was not checked into our system properly. Regardless, with your input I was able to find it, review it, and determine it to be complete. Again, my apologies for the map error and I look forward to receiving the requested beneficial use information.

R. Craig Kohanek

From: Comstock, Sean [mailto:SComstock@whpacific.com]
Sent: Friday, January 14, 2011 2:36 PM
To: Craig Kohanek
Cc: Lomax, Tom
Subject: R11702-11, G-13943 Claim of Beneficial Use review and deficiency identification

Good Afternoon Craig,

I prepared the COBU for Application G-13943, and was just reading through the review comments provided in your e-mail to Mr. Tom Lomax with Mt. Bachelor Inc. earlier today. One of the items in the review letter stated that the COBU map was needed to proceed. This signed map on polyester film was submitted along with the COBU application on 9/29/10. I was able to retrieve a copy of this map from the OWRD website using the Water Rights Information Query system. I've attached the map that was received at the Department to this e-mail (please see 30663 image[1].pdf). This scanned map lost some of the detail provided on the original. I've also attached a copy of the original map that shows the additional detail, (COBU Map (9-29-10)). Is this map acceptable for use with the COBU application?

We are currently working to address the other review item pertaining to demonstration of beneficial use, and will respond as soon as possible.

Thanks for your timely review. Please don't hesitate to contact me with any questions or concerns.

Sean Comstock PE, CWRE
Project Engineer

WHPacific

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D 541.312.2737 | O 541.388.4255 | F 541.388.4229

Enhancing communities through creative, exceptional service

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Ron.C.Kohanek@wrđ.state.or.us
www.wrđ.state.or.us

Craig Kohanek

From: Lomax, Tom [tlomax@mtbachelor.com]
Sent: Monday, November 22, 2010 3:54 PM
To: Craig Kohanek
Subject: RE: Copy of signed applicant's agreement

Great, please let me know if there is anything else we need to do on this.

Thanks

Tom

From: Craig Kohanek [mailto:kohanerc@wrd.state.or.us]
Sent: Monday, November 22, 2010 1:45 PM
To: Lomax, Tom
Subject: Copy of signed applicant's agreement

Tom.

I am Bob Rice's replacement in the Reimbursement Authority program. Bob has left the agency to pursue a job with the Bureau of Reclamation in Boulder, CO.

Attached is a signed copy of the Applicant's Agreement for your records.

Craig Kohanek
Hydroelectric Project Analyst
Water Resources Department
503-986-0823

January 28, 2011

Mr. Craig Kohanek
Oregon Water Resources Department
725 Summer Street, NE, Suite A
Salem, Oregon 97301-1266

**Re: Mt. Bachelor, Inc.
Claim of Beneficial Use
Application No. G-13943, Permit No. G-12885
Response to OWRD Review Comments of COBU**

Dear Craig:

We have reviewed your letter e-mailed on January 14 concerning additional information that is needed to process the Claim of Beneficial Use (COBU) application for the Mt. Bachelor Inc. groundwater permit, (G-12885). We greatly appreciate the timely review of the application, and would like to respond to the requests in your letter.

Two items were identified in the letter to be addressed in order to complete the COBU. The first was the need to complete a minimum four hour duration test in which water is applied beneficially at the maximum rate allowed in the groundwater permit. During the current winter season, ground water is pumped to fill the concrete storage tanks as needed, and is used for domestic and fire protection purposes only. Snow making equipment is off-line. It is not necessary for Mt. Bachelor Inc. to pump water at the maximum rate for these uses. Mt. Bachelor would not be able to apply all of the water used in a duration test to beneficial use during the current winter season.

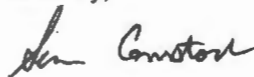
There are two times of year when Mt. Bachelor could beneficially use the maximum rate allowed: during the summer and early winter. During the summer, the maximum pump rate could be used to irrigate slopes within ski runs to establish native vegetation for erosion protection, for dust control on parking lots and roads and for other accepted quasi-municipal uses. In early winter, prior to the opening of ski season and if weather conditions permit, snow making hydrants and guns are used to generate snow in the vicinity of the Pine Marten lift. If the duration test is conducted in the winter, water would be pumped from the well at or near the maximum allowable rate and used beneficially to make snow while concurrently providing domestic supply to the storage tank.

We respectfully request an informal time extension or Department hold on review and processing of the COBU until one of these seasons so the system can be tested when the maximum pump rate can be fully beneficially used. We propose to complete and submit the results of the duration test to the OWRD by January 18, 2012. Please let us know if this is acceptable.

The second item identified in your letter was in regards to the lack of the required map that is to be submitted with the COBU. We received an e-mail from you on January 18th stating that the map had been located at your offices, reviewed and found to be complete.

Please consider the request in this letter, and don't hesitate to contact me if you have any questions or concerns. The ground water is of critical importance to Mt. Bachelor operations. Thank you for your assistance.

Sincerely,



Sean Comstock, P.E., C.W.R.E.
Project Engineer – WHPacific

CC: Tom Lomax – Mt. Bachelor Inc.
Gary Camp – Mt. Bachelor Inc.

January 28, 2011

Mr. Craig Kohanek
Oregon Water Resources Department
725 Summer Street, NE, Suite A
Salem, Oregon 97301-1266

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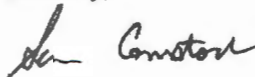
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To: Craig Kohanek

Cc: Lomax, Tom

Subject: RE: R11702-11, G-13943 Claim of Beneficial Use review and deficiency identification

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1/18/2011

Sean Comstock PE, CWRE
Project Engineer

WHPacific

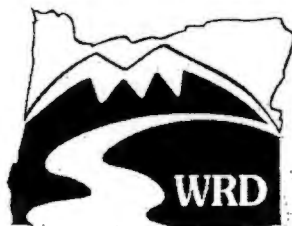
123 SW Columbia Street | Bend, OR 97702

D 541.312.2737 | O 541.388.4255 | F 541.388.4229

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Completion Checklist for CWRE Claims of Beneficial Use

Application # _____



Date Received _____
CWRE Name _____ Claim Logged _____
File Marked _____
Oversized Map # _____
Read the file and attach a copy of the permit or transfer final order. _____

Map Review:

- Map on polyester film (OAR 690-014-0170(1) & 310-0050(1)(b))
- Application & permit #; or transfer # (OAR 690-014-0100(1))
- Disclaimer (OAR 690-014-0170(5))
- North arrow (OAR 690-310-0050(2)(c))
- CWRE stamp and signature (OAR 690-014 & 310-0050)
- Appropriate scale (1" = 1320', 1" = 400', or the original full-size scale of the county assessor map) (014 & 310)
- Township, range, section, and tax lot numbers (OAR 690-310-0050(4))
- Source illustrated if surface water (OAR 690-014-0170(3))
- Point(s) of diversion or appropriation (illustrated) (OAR 690-014(4) & 690-310-0050)
- Point(s) of diversion or appropriation (coordinates)(OAR 690-014(4) & 690-310-0050)
- Conveyance structures illustrated (pump, pipelines, ditches, etc.) (OAR 690-310-0050)
- Description of the location, in relation to the point of diversion or appropriation, of any fish screens, by-pass devices, and measuring devices required (OAR 690-014(4))
- Place of use (1/4 1/4, or projected 1/4 1/4 lines within DLCs, or Gov Lots; if irrigation, # of acres in each subdivision; if for domestic or human consumption, location of dwelling or spigot) (OAR 690-310-0050, 690-014, 690-380-6010) - *Seems erosional -*

Report Review:

- _____ On form or format provided by the Department (OAR 690-014-0100(1))
- _____ Application & permit #; or transfer # (OAR 690-014)
- _____ Ownership information (OAR 690-014)
- _____ Date of survey (OAR 690-014)
- _____ Person interviewed (OAR 690-014)
- _____ County (OAR 690-014)
- _____ Description of conveyances system (from POD to POU) (OAR 690-014-0100)
- _____ Source(s) of water (OAR 690-014-0100)
- _____ Use, period of use, and rate for use (OAR 690-014-0100)
- _____ Place of use location (OAR 690-014-0100)
- _____ Type of use (OAR 690-014-0100)
- _____ Extent of use (OAR 690-014-0100)
- _____ Rate and Duty (OAR 690-014-0100)
- _____ Diversion rate for each use (OAR 690-014-0100)
- _____ Diversion works description (pump make, serial model, capacity, and description) (OAR 690-014-0100)
- _____ System capacity (OAR 690-014-0100)
 - _____ Calculated capacity of system (required)
 - _____ Measured amount of use (optional)
- _____ Permit/Transfer Final Order Conditions (OAR 690-014-0100)
 - _____ Time limits
 - _____ Initial water level measurements
 - _____ Annual static water level measurements
 - _____ Measurement, recording, and reporting
 - _____ Meter/measuring device
 - _____ Water use reporting
 - _____ Fish screening and/or by-pass
 - _____ Pump test (ground water)
 - _____ Other conditions
- _____ CWRE stamp and signature (OAR 690-014-0100)
- _____ Signature(s) of permittee or transfer holder (OAR 690-014-0100)

DEF = deficient
N/A = Not Applicable

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172

(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **101278**

INVOICE # _____

RECEIVED FROM: Mt Bachelor

APPLICATION	<u>613943</u>
PERMIT	
TRANSFER	

BY: _____

CASH: CHECK: # 30329284 OTHER: (IDENTIFY) _____

TOTAL REC'D \$ 15000

1003 TREASURY 4170 WRD MISC CASH ACCT

**RECEIVED
OVER THE COUNTER**

0407 COPIES \$ _____
OTHER: (IDENTIFY) \$ _____

0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS

0407 COPY & TAPE FEES 46111 \$ _____
0410 RESEARCH FEES \$ _____
0408 MISC REVENUE: (IDENTIFY) _____ \$ _____
TC162 DEPOSIT LIAB. (IDENTIFY) _____ \$ _____
0240 EXTENSION OF TIME \$ _____

WATER RIGHTS:

0201 SURFACE WATER	EXAM FEE	0202	RECORD FEE
0203 GROUND WATER	\$ _____	0204	\$ _____
0205 TRANSFER	\$ _____		

WELL CONSTRUCTION

0218 WELL DRILL CONSTRUCTOR	EXAM FEE	0219	LICENSE FEE
LANDOWNER'S PERMIT	\$ _____	0220	\$ _____

0200 OTHER (IDENTIFY) COBU \$ 15000

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE \$ _____ CARD # _____
0210 MONITORING WELLS \$ _____ CARD # _____
OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FW/WRD) \$ _____
0231 HYDRO LICENSE FEE (FW/WRD) \$ _____
HYDRO APPLICATION \$ _____

TREASURY OTHER / RDX

FUND _____ TITLE _____
OBJ. CODE _____ VENDOR # _____
DESCRIPTION \$ _____

RECEIPT: **101278**

DATED 9-30-10 BY: [Signature]

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

RECEIPT # **101278**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

INVOICE # _____

RECEIVED FROM: M. Bachelor
BY: _____

APPLICATION	613943
PERMIT	
TRANSFER	

CASH: CHECK:# 30329184 OTHER: (IDENTIFY) _____

TOTAL REC'D \$ 15000

1083 TREASURY 4170 WRD MISC CASH ACCT

0407	COPIES		\$
_____	OTHER: (IDENTIFY)	_____	\$
0243 I/S Lease	_____	0244 Muni Water Mgmt. Plan	_____
		0245 Cons. Water	_____

4270 WRD OPERATING ACCT

MISCELLANEOUS			
0407	COPY & TAPE FEES		\$
0410	RESEARCH FEES		\$
0408	MISC REVENUE: (IDENTIFY)	_____	\$
TC162	DEPOSIT LIAB. (IDENTIFY)	_____	\$
0240	EXTENSION OF TIME		\$
WATER RIGHTS:			
0201	SURFACE WATER	EXAM FEE	0202
0203	GROUND WATER	\$	0204
0205	TRANSFER	\$	
WELL CONSTRUCTION			
0218	WELL DRILL CONSTRUCTOR	EXAM FEE	0219
	LANDOWNER'S PERMIT	\$	0220
0200	OTHER (IDENTIFY) <u>COBU</u>		\$ 15000

0536 TREASURY 0437 WELL CONST. START FEE

0211	WELL CONST START FEE	\$	CARD #	_____
0210	MONITORING WELLS	\$	CARD #	_____
_____	OTHER (IDENTIFY)	_____		

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233	POWER LICENSE FEE (FW/WRD)		\$
0231	HYDRO LICENSE FEE (FW/WRD)		\$
_____	HYDRO APPLICATION		\$

TREASURY OTHER / RDX

FUND	_____	TITLE	_____
OBJ. CODE	_____	VENDOR #	_____
DESCRIPTION	_____		\$

RECEIPT: **101278**

DATED: 9-30-10 BY: [Signature]

MT BACHELOR

To: OREGON WATER RESOURCE DEPT (64910)

Invoice No.	Date	Description
CLAIM OF BENEFICIAL	9/28/2010	

TOTALS:

Check Number: 30329284

Date: September 28, 2010

Amount	Discount	Paid Amount
\$150.00	\$.00	\$150.00
\$150.00	\$.00	\$150.00

**RECEIVED
OVER THE COUNTER**

RECEIVED

SEP 30 2010

WATER RESOURCES DEPT
SALEM, OREGON



P.O. BOX ~~1000~~ 1000
BEND, OREGON 97709

RECEIVED
SEP 30 2010
WATER RESOURCES DEPT
SALEM, OREGON

OVER THE
MOUNTAIN
RECEIVED

**RECEIVED
OVER THE COUNTER**

RECEIVED

SEP 30 2010

WATER RESOURCES DEPT
SALEM, OREGON

Mike Zwart

From: Ken Lite
Sent: Thursday, October 07, 2010 10:57 AM
To: Frost, Jim
Cc: Mike Zwart
Subject: RE: Mt. Bachelor Pump Test
Attachments: Pump Test and Well Log Mt. Bachelor.pdf

Jim,

I have reviewed the information you submitted for the pump test for permit G-12885. Although the test does not comply with our pump test rules, the information derived from the test meets the intent of the rules. Therefore, no additional pump tests are required for the claim of beneficial for permit G-12885. Thank you for submitting a thorough description of the well (Desc 9663) and test analysis. I have copied Mike Zwart on this e-mail so he can add this pump test approval and test information to our records for permit G-12885.

Ken

From: Frost, Jim [mailto:JFrost@whpacific.com]
Sent: Tuesday, September 07, 2010 10:57 AM
To: Ken Lite
Cc: Comstock, Sean
Subject: RE: Mt. Bachelor Pump Test

Ken,

It is Permit G12885, please let me know if any additional info is needed.

Thanks,

Jim Frost

Senior Project Manager, WHPacific, Inc.

From: Ken Lite [mailto:liteke@wrd.state.or.us]
Sent: Tuesday, September 07, 2010 10:16 AM
To: Frost, Jim
Subject: RE: Mt. Bachelor Pump Test

Jim,

Would you please provide the permit number for this Mt. Bachelor water right. Thanks.

Ken

From: Frost, Jim [mailto:JFrost@whpacific.com]
Sent: Thursday, September 02, 2010 3:43 PM
To: Ken Lite
Subject: FW: Mt. Bachelor Pump Test

Ken,

We are completing a Claim of Beneficial Use Report for the Mt Bachelor water right. I attached the existing pump test data, which does not match the current Pump Test requirements. Please let me know if a new Pump Test following current guidelines is needed for the COBU. Please reply or call with any questions or comments.

Thanks,

Jim Frost

Senior Project Manager, WHPacific, Inc.

From: Comstock, Sean

Sent: Thursday, September 02, 2010 2:51 PM

To: Frost, Jim

Subject: Mt. Bachelor Pump Test

Jim,

Here is a scan of the pump test and well log report that Kleinfelder, Inc. prepared back in 1994 for Mt. Bachelor. Thanks for your help.

Sean

Extension of Time Checkpoint Progress Report

Published on the Department's Public Notice, dated: 3-22-05

PUBLIC NOTICE INFORMATION

Permit Holder: United States Forest Service c/o Bachelor Inc^{mt}

Mailing Address: PO Box 1031, Bend, OR 97709

Application #: G-13943 Permit #: G-12885

County: Deschutes

Quantity of Water: 3.34 CFS

Source of Water: One well in Todd Creek Basin

Permitted Use: Quasi-municipal

Current Authorized Extension Date: 10-1-2009



September 20, 2004

Ms. Lisa J. Juul
Water Right Specialist
Water Section
Oregon Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271

920 SW Emkay, Suite C100
Bend, Oregon 97702-1041
541.388.4255
Fax 541.388.4229

RECEIVED

SEP 22 2004

RESOURCES DEPT
EM, OREGON

Misc-13943

Look @ permit
9-12885
10-1-2009

RE: **United States Forest Service**
C/O Mt. Bachelor Inc.
Applic File No. G-13943 (Permit G-12885)
WHP]

Dear Lisa:

The Oregon Water Res
2000. The extension
granted. Mt. Bachel
demonstrated signific
confirmation of the fol

I need to locate
this file -
Utah went
on public Notice
3-22-05

FILE NOT IN
DRAWER

1 of time for Permit G-12885 in January of
done each year since the extension was
Unites States Forest Service (USFS) has
groundwater permit. Your review and
l.

Background and Property Description:

Permit G-12885 was issued in 1996 to support the Mt. Bachelor ski area. The Mt. Bachelor ski area has become a very successful and renowned alpine ski destination for guests from throughout the western United States.

Water uses at Mt. Bachelor include domestic, commercial, restoration of ski runs and other disturbed areas, snow making, construction, fire protection, dust control, and other uses typical of a municipality.

Permit G-12885 allows the construction and development of a groundwater well. The large diameter groundwater well was constructed to a depth of over 1,000 feet and equipped with a 450 horsepower vertical turbine pump.

Significant improvements to the water supply system have been underway since the groundwater permit was issued in 1996. For example, since January of 2000 when the extension was granted, Mt. Bachelor Inc. has invested nearly \$1 million dollars in snow making equipment at the ski area.

Amount of Construction Completed and Financial Investments:

Since January of 2000, Mt. Bachelor, Inc. has installed pipe lines on multiple ski runs, purchased and installed booster pumps, and invested in snow guns. The snow making equipment is considered critically important to Mt.



920 SW Emkay, Suite C100
Bend, Oregon 97702-1041
541.388.4255
Fax 541.388.4229

September 20, 2004

MISSING
9-13943

RECEIVED

SEP 22 2004

Ms. Lisa J. Juul
Water Right Specialist
Water Section
Oregon Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271

Look @ permit

9-12885

10-1-2009

RESOURCES DEPT
EM. OREGON

**RE: United States Forest Service
C/O Mt. Bachelor Inc.
Application File No. G-13043 (Permit G-12885)
WHP]**

Dear Lisa:

The Oregon Water Res
2000. The extension
granted. Mt. Bachel
demonstrated signific
confirmation of the fol

*I need to locate
this file -
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on public notice
3-22-05*

*FILE NOT IN
DRAWER*

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whpacific.com

planners

surveyors

engineers

landscape architects



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Fax 541.388.4229

September 20, 2004

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SEP 22 2004

**WATER RESOURCES DEPT
SALEM, OREGON**

Ms. Lisa J. Juul
Water Right Specialist
Water Section
Oregon Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271

**RE: United States Forest Service
C/O Mt. Bachelor Inc.
Application File No. G-13943 (Permit G-12885)
WHP File No. 30038**

Dear Lisa:

The Oregon Water Resources Department (OWRD) issued an extension of time for Permit G-12885 in January of 2000. The extension requires a written progress report on the work done each year since the extension was granted. Mt. Bachelor Inc., working under the jurisdiction of the United States Forest Service (USFS) has demonstrated significant progress in perfection of the referenced groundwater permit. Your review and confirmation of the following progress report are respectfully requested.

Background and Property Description:

Permit G-12885 was issued in 1996 to support the Mt. Bachelor ski area. The Mt. Bachelor ski area has become a very successful and renowned alpine ski destination for guests from throughout the western United States.

Water uses at Mt. Bachelor include domestic, commercial, restoration of ski runs and other disturbed areas, snow making, construction, fire protection, dust control, and other uses typical of a municipality.

Permit G-12885 allows the construction and development of a groundwater well. The large diameter groundwater well was constructed to a depth of over 1,000 feet and equipped with a 450 horsepower vertical turbine pump.

Significant improvements to the water supply system have been underway since the groundwater permit was issued in 1996. For example, since January of 2000 when the extension was granted, Mt. Bachelor Inc. has invested nearly \$1 million dollars in snow making equipment at the ski area.

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Since January of 2000, Mt. Bachelor, Inc. has installed pipe lines on multiple ski runs, purchased and installed booster pumps, and invested in snow guns. The snow making equipment is considered critically important to Mt.

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[planners](#)

[surveyors](#)

[engineers](#)

[landscape architects](#)

Bachelor ski area operations to support shoulder season use and assure opening by the Thanksgiving Holiday. As noted, Mt. Bachelor Inc. invested \$830,845 in snow making equipment alone.

Beneficial Use of Water:

The vertical turbine pump at the Mt. Bachelor ski area was designed to pump the full authorized allocation of 3.34 cubic feet per second (cfs). Current snow making equipment, together with winter time domestic use or summer time irrigation needs will consume water at the rate of approximately 2.3 cfs. The purchase of additional snow making equipment is anticipated by the summer of 2009, which will fully consume the maximum rate of 3.34 cfs. Although the existing well pump could contribute to the system at the full allocated rate of use, additional expansion of the snow making system is planned, which will fully perfect Permit G-12885.

Permittee's Compliance with Permit Terms and Conditions:

The Permittee is obligated to install a meter and monitor water use each month. The meter has been installed at the existing well, water records are routinely charted at the ski area, and annual reports are submitted to OWRD.

The Mt. Bachelor ski area well was constructed by STACO Well Services, Inc., a certified Oregon well contractor. To the best of our knowledge, the well was constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The improvements include an access port and an airline to allow determination of the water level in the well at all times.

The permit stipulates the beneficial use of water without waste. Mt. Bachelor Inc. and their utility system operators are fully aware of their obligation for beneficial use of water without waste, and believe they are fully compliant. To the best of our knowledge, all uses of water at the Mt. Bachelor ski area conform to current land use standards.

Permit G-12885 stipulates actual construction of the well begin prior to October 25, 1997 and be completed by October 1, 1998. Mt. Bachelor ski area submitted a notice of beginning of construction (Form "A") on August 26, 1997, documenting compliance with the schedule requirements.

In summary, Mt. Bachelor Inc. (under the jurisdiction of the USFS) has made significant investments toward perfection of water right Permit G-12885. Development of the Mt. Bachelor ski area is ongoing and additional snow making and other development is contemplated. Although substantial work has been made toward perfection of the water right permit, additional time is necessary to complete full beneficial use of water.

This letter is intended to meet the requirements of the time extension for the referenced permit. Please consider my comments and never hesitate to contact me if you have questions, comments, or require additional information. Thank you very much for your assistance.

Sincerely,

W&H Pacific, Inc.



**Thomas A. Walker, P.E., C.W.R.E.
Vice President**

Cc: Ric Brooks
Gary Camp
Walt Schloer

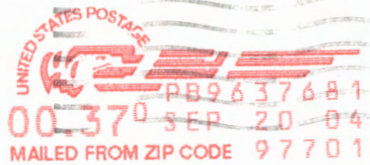
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SEP 22 2004

**WATER RESOURCES DEPT
SALEM, OREGON**



920 SW Emkay, Suite C100
Bend, Oregon 97702-1041



*Oregon Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271*



STATE OF OREGON

COUNTY OF DESCHUTES

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

UNITED STATES FOREST SERVICE C/O MT BACHELOR INC.
PO BOX 1031
BEND, OREGON 97709

(541)382-2442

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-13943

SOURCE OF WATER: ONE WELL IN TODD CREEK BASIN

PURPOSE OR USE: QUASI-MUNICIPAL

MAXIMUM RATE: 3.34 CUBIC FEET PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: JANUARY 13, 1995

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, SECTION 20, T18S, R9E, W.M.;
1128 FEET SOUTH AND 2038 FEET EAST FROM THE NW CORNER SECTION 20

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SE 1/4
SW 1/4
SECTION 13
NE 1/4
SE 1/4
SECTION 24
ALL
SECTION 25
ALL
SECTION 36
TOWNSHIP 18 SOUTH, RANGE 8 EAST, W.M.
SW 1/4
SW 1/4 SE 1/4
SECTION 17
SW 1/4 NE 1/4
SE 1/4 NE 1/4
SW 1/4
SE 1/4
SECTION 18
ALL
SECTION 19
ALL
SECTION 20

NW 1/4 SW 1/4
SW 1/4 SW 1/4
SE 1/4 SW 1/4
SECTION 21
NW 1/4 NE 1/4
SW 1/4 NE 1/4
SE 1/4 NE 1/4
NW 1/4
SW 1/4
SE 1/4

SECTION 28

ALL

SECTION 29

ALL

SECTION 30

ALL

SECTION 31

ALL

SECTION 32

ALL

SECTION 33

NW 1/4

SW 1/4

SECTION 34

TOWNSHIP 18 SOUTH, RANGE 9 EAST, W.M.

NE 1/4 NE 1/4

NW 1/4 NE 1/4

SECTION 1

TOWNSHIP 19 SOUTH, RANGE 8 EAST, W.M.

NE 1/4 NW 1/4

NW 1/4 NW 1/4

SECTION 4

NE 1/4 NE 1/4

NW 1/4 NE 1/4

NE 1/4 NW 1/4

NW 1/4 NW 1/4

SECTION 5

NE 1/4

NW 1/4

SECTION 6

TOWNSHIP 19 SOUTH, RANGE 9 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director.

Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Actual construction of the well shall begin within one year from permit issuance, and shall be completed on or before October 1, 1998. Complete application of the water to the use shall be made on or before October 1, 1999.

Issued October , 1996

Martha O. Pagel, Director
Water Resources Department

TO: Water Rights Section

April 11, 1996

FROM: Groundwater/Hydrology Section K. Lite

Reviewer's Name

SUBJECT: Application G- 13943

GROUNDWATER/SURFACE WATER CONSIDERATIONS

1. PER THE Basin rules, one or more of the proposed POA's is/is not within feet/mile of a surface water source () and taps a groundwater source hydraulically connected to the surface water.

2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
 - a. will, or have the potential for substantial interference with the nearest
 - b. will not surface water source, namely ; or
 - c. will if properly conditioned, adequately protect the surface water from interference:
 - i. The permit should contain condition #(s) 7B;
 - ii. The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. The permit should be conditioned as indicated in item 4 below; or
 - d. will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that groundwater for the proposed use
 - a. will, or likely be available in the amounts requested without injury to prior rights
 - b. will not and/or within the capacity of the resource; or
 - c. will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
 - i. The permit should contain condition #(s) 7B;
 - ii. The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. The permit should be conditioned as indicated in item 4 below; or

4.
 - a. THE PERMIT should allow groundwater production from no deeper than ft. below land surface;
 - b. The permit should allow groundwater production from no shallower than ft. below land surface;
 - c. The permit should allow groundwater production only from the groundwater reservoir between approximately ft. and ft. below land surface;
 - d. Well reconstruction is necessary to accomplish one or more of the above conditions.
 - e. One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: _____

(Well Construction Considerations on Reverse Side)

13943

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

5. THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:
- a. ___ review of the well log;
 - b. ___ field inspection by _____;
 - c. ___ report of CWRE _____;
 - d. ___ other: (specify) _____
6. THE WELL construction deficiency:
- a. ___ constitutes a health threat under Division 200 rules;
 - b. ___ commingles water from more than one groundwater reservoir;
 - c. ___ permits the loss of artesian head;
 - d. ___ permits the de-watering of one or more groundwater reservoirs;
 - e. ___ other: (specify) _____
7. THE WELL construction deficiency is described as follows: _____
8. THE WELL
- a. ___ was, or constructed according to the standards in effect at the time of
 - b. ___ was not original construction or most recent modification.
 - c. ___ I don't know if it met standards at the time of construction.

RECOMMENDATION:

- A. ___ I recommend including the following condition in the permit:
"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."
- B. ___ I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.
- C. ___ REFER this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit
_____, 199__.
(Signature)

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons: _____

_____, 199__.
(Signature)

WATER RESOURCES DEPARTMENT MEMORANDUM

TO: Groundwater/Hydrology Files

Date April 11, 1996

FROM: Ken Lite

SUBJECT: Groundwater Application G- 13943

Applicant(s) seek 1500 gpm (3.34 cfs) from 1 wells in the Deschutes basin
 _____ sub basin
 _____ sub basin.

Pertinent 7 1/2 - minute quads Broken Top 7 1/2 min

Well 1 WRD# Desc 9563 T 18S R 9E S 20 QQ bad County Deschutes
 Legal Description 1128' south and 2038' east of the NW 1/4 corner of section 20
 Well is ~14,100 ft from Middle Fork Tumalo Creek (river/stream)
 Well is _____ ft from _____ (river/stream)
 Well elevation ~6360 ft. River/stream elevation ~6480 ft.
 Well elevation - river/stream elevation + 120'
 Well depth 1038 SWL 705 on 7-15-94
 Sealed to 60 Depth first water found 725
 Cased to 890 Perforations/screens 890-1034
 Lined to 1034 Perforations/screens _____
 Well tests and types Pump 1850 gpm w/ 80' dd after 24 hrs
 Confined or unconfined? unconfined Direct hydraulic connection? not at nearby reaches
 Potential to cause substantial interference? NO

Well _____ WRD# _____ T _____ R _____ S _____ QQ _____ County _____
 Legal Description _____
 Well is _____ ft from _____ (river/stream)
 Well is _____ ft from _____ (river/stream)
 Well elevation _____ ft. River/stream elevation _____ ft.
 Well elevation - river/stream elevation _____
 Well depth _____ SWL _____ on _____
 Sealed to _____ Depth first water found _____
 Cased to _____ Perforations/screens _____
 Lined to _____ Perforations/screens _____
 Well tests and types _____
 Confined or unconfined? _____ Direct hydraulic connection? _____
 Potential to cause substantial interference? _____

Conditioned water rights in area: G-11341

Other nearby water rights of record: none

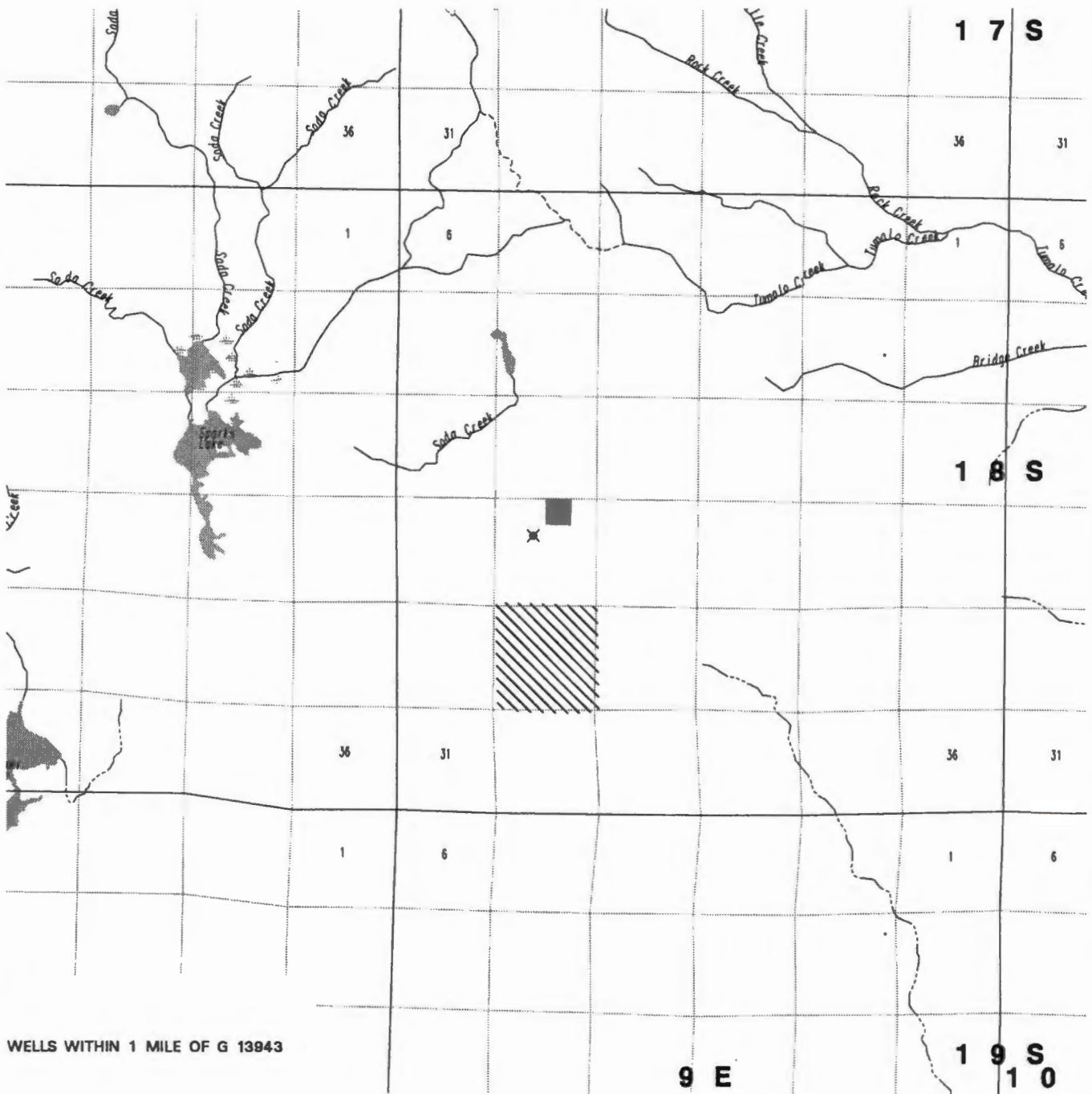
Density of nearby wells: only the two wells mentioned

Comments Well is constructed into water bearing zones within Cascade lava flows. Groundwater flow is probably towards the east-northeast. The nearest potential discharge points are at springs that are tributary to Tumalo Creek approximately 5-6 miles distance. Water level in well is below surface water elevation at nearby reaches. Recommend condition 7B.

References used: Geol. Map of MT. Bachelor area., USGS MAP I-1967 (Scott & Gardner, 1992); USGS/WRD data; well report # Desc 9563, topo maps.

Wells in the vicinity of application G 13943

- Application well(s) in this 1/4-1/4 section
- ◻ Well(s) identified in this section from OWRD's well log database within 1 mi. radius of application well(s)
- Well(s) identified in this 1/4-1/4 section from OWRD's well log database within 1 mi. radius of application well(s)
- ✕ Permitted well(s) in this 1/4-1/4 section within 1 mi. radius of application well(s)
- ▲ OWRD Observation well and well-id within 5 mi. radius of application well(s)
- Critical GW Area
- Regulated GW Area



WELLS WITHIN 1 MILE OF G 13943

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

G-13943 LJ
 U.S. FOREST SERVICE
 PO BOX 1031
 BEND OR 97709

2. Article Number

(Transfer from service label)

7004 0750 0001 4171 5651

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x *Martha Jeffers* Agent Addressee

B. Received by (Printed Name)

Martha Jeffers

C. Date of Delivery

9/2/04

D. Is delivery address different from item 1? Yes

If YES, enter delivery address below:

 No

3. Service Type

 Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee)

 Yes

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

RECEIVED

SEP 07 2004

**WATER RESOURCES DEPT
SALEM, OREGON**

WATER RESOURCES DEPARTMENT
725 SUMMER STREET NE SUITE A
SALEM OR 97301-1271





Oregon

Theodore R. Kulongoski, Governor

CERTIFIED LETTER
Return Receipt Requested

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

August 31, 2004

U.S. FOREST SERVICE
PO BOX 1031
BEND OR 97709

REFERENCE: Application File #G-13943 (Permit #G-12885)
Reminder of Progress Report Due

Dear Permit Holder:

On January 26, 2000, the Department issued a Final Order approving an Extension of Time for Permit #G-12885. The Final Order extended the time in which to complete construction of the water system from October 1, 1998, to October 1, 2008, and the time in which to accomplish beneficial use of water to the full extent under the terms of Permit #G-12885 from October 1, 1999, to October 1, 2009.

The Final Order approving the Extension of Time also included the following condition in accordance with OAR 690-315-0050(6)(a) that requires:

The permittee must submit a written progress report to the Department by October 1, 2004. The report must be received by the Department not sooner than 90 days prior to the due date. The permittee's report must describe in detail the work done each year since the last extension was granted or the last progress report submitted. The report shall include:

- a) The amount of construction completed;
- b) The amount of beneficial use of water being made, including the total volume of water used, water used relative to the specific authorizations (types of use, acres irrigated, etc.) contained in the permit, and the percent of the total allowable water use that this represents;
- c) A review of the permittee's compliance with terms and conditions of the permit and/or previous extension; and
- d) Financial investments made toward developing the beneficial water use.

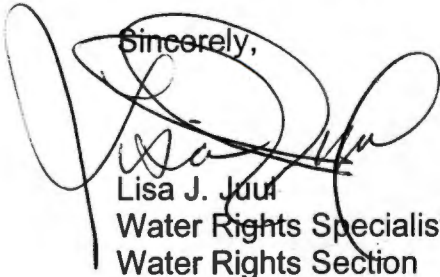
Failure to submit a progress report by the due date above will result in cancellation of the undeveloped portion of the permit by the Department pursuant to ORS 537.260 or ORS 537.410 to 537.450. Within one year after cancellation, the permittee must submit a Claim of Beneficial Use and Final Proof Survey, pursuant to ORS 537.230 and 537.250, for the portion of the permit developed as of October 1, 2004.

Page two of two
August 31, 2004

In order to maintain the ability to continue developing water under this permit, you must submit this progress report to the Department by the October 1, 2004, deadline. For your reference, I have enclosed a copy of the Extension of Time Final Order containing this condition.

If you have any questions concerning this matter, please feel free to contact me by telephone at (503) 986-0808.

Sincerely,

A handwritten signature in black ink, appearing to read 'Lisa J. Juul', is written over the word 'Sincerely,'. The signature is stylized and somewhat cursive.

Lisa J. Juul
Water Rights Specialist
Water Rights Section

Enclosure

cc: Application File #G-13943 (Permit #G-12885)
Watermaster District 11

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G 13943

Final Order
Extension of Time for Permit Number G 12885

Appeal Rights

This is a final order in other than contested case. Pursuant to ORS 536.075 and OAR 137-004-080 and OAR 690-01-005, you may either petition the Director for reconsideration of this order or petition for judicial review of this order. As provided in ORS 536.075, this order is subject to judicial review under ORS 183.484. Any petition for judicial review of the order must be filed within the 60 day time period specified by ORS 183.484(2).

Application History

On February 5, 1999, United States Forest Service, Mt. Bachelor, Inc. submitted an application to the Department for an extension of time for permit number G 12885. The Department issued Permit number G 12885 on October 25, 1996. The permit called for completion of construction of the water development project by October 1, 1998 and complete application of water to the full beneficial use by October 1, 1999. In accordance with OAR 690-320-0010(8), on May 11, 1999, the Department issued a Proposed Final Order proposing to extend the time to complete development of the water development project to October 1, 2008, and/or the time to fully apply water to beneficial use to October 1, 2009. The protest period closed June 25, 1999. No protest was filed.

The permittee must submit a written progress report to the Department by October 1, 2004. The report must be received by the Department not sooner than 90 days prior to the due date. The permittee's report must describe in detail the work done each year since the last extension was granted or the last progress report submitted. The report shall include:

- a) The amount of construction completed;
- b) The amount of beneficial use of water being made, including the total volume of water used, water used relative to the specific authorizations (types of use, acres irrigated, etc.) contained in the permit, and the percent of the total allowable water use that this represents;
- c) A review of the permittee's compliance with terms and

PLACED IN U.S. MAIL

JAN 27 2000

- d) conditions of the permit and/or previous extension; and Financial investments made toward developing the beneficial water use.

The Department will review the progress report to determine whether the permittee is exercising diligence towards completion of the project and complying with the terms and conditions of the permit and extension.

Failure to submit a progress report by the due date above will result in cancellation of the undeveloped portion of the permit by the Department pursuant to ORS 537.260 or 537.410 to 537.450. Within one year after cancellation, the permittee must submit a final proof survey pursuant to ORS 537.230 and 537.250.

If the Department finds that diligence is questionable, the Department may:

- a) request the permittee to submit additional information with which to evaluate diligence;
- b) apply additional conditions and performance criteria for perfection of the right; or
- c) cancel the undeveloped portion of the permit pursuant to ORS 537.260 or 537.410 to 537.450. The Department will grant the permittee a hearing on the cancellation, if one is requested.

In determining whether the permittee has been diligent, the Department will consider information submitted to the Department by the permittee and any information submitted during the 30-day public comment period following public notice of submittal of the progress report.

If information is received through the public notice process indicating that the applicant has not been diligent toward completing the project, and if the director determines there are significant disputes related to the use of water, the Department will conduct a hearing.

The applicant has demonstrated good cause for the permit extension pursuant to ORS 537.230, 537.248, 537.630 and 539.010(5) (as appropriate).

Order

The extension of time for Application G 13943, Permit Number G 12885, therefore, is approved. The deadline for completing construction is extended to October 1, 2008. The deadline for

applying water to full beneficial use is extended to October 1, 2009.

DATED January 26, 2000


Martha O. Pagel, Director



Oregon

Theodore R. Kulongoski, Governor

ESU

APP# G-13943

Water Resources Department

Commerce Building
158 12th Street NE
Salem, OR 97301-4172
503-378-3739
FAX 503-378-8130

February 7, 2003

G 12885
Bend-Ft. Rock Ranger District
1230 3rd St., Suite A-262
Bend, OR 97701

RE: Deschutes Ground Water Mitigation Rules, Division 505
Deschutes Basin Mitigation Bank and Mitigation Credit Rules, Division 521

Dear Water Right Permit Holder:

Our records indicate that you are the holder of a ground water permit issued by the Department after July 17, 1995, in the Deschutes Basin Ground Water Study Area (Study Area). Your permit (or subsequent certificate) was issued with a condition allowing for regulation of use if it was later determined that the use would "measurably reduce" scenic waterway flows in the Deschutes River.

As you may be aware, the Department has been working over the last several years to develop administrative rules that address the impact of ground water use in the Study Area upon surface water flows—specifically those flows designated for the Deschutes Scenic Waterway and Instream Water Rights. Recently, the Department finalized the Deschutes Ground Water Mitigation Rules and Deschutes Basin Mitigation Bank and Mitigation Credit Rules. The rules were adopted by the Water Resources Commission (WRC) on September 13, 2002, and were effective on September 27, 2002. Copies of the rules can be obtained from the Department's web page at:

<http://www.wrd.state.or.us/law/oar1999.shtml>

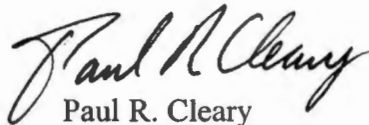
The primary purpose of the rules is to provide a mechanism for those with pending ground water use applications in the Study Area to mitigate for the impact of their proposed ground water use on surface water flows. The rules do not require those with existing conditioned ground water permits (or subsequent certificates) in the Study Area to mitigate for their ground water uses.

While **only** those requesting new ground water uses from the Department are required to provide mitigation, the rules provide an opportunity for holders of existing conditioned permits to provide mitigation. Holders of existing conditioned permits that provide mitigation will no longer be subject to future regulation for scenic waterway flows.

Department staff are presently working internally to develop the processes and structure to implement the new rules. While you are not required to mitigate for your ground water use, we will be sending you a letter, sometime within the next several months, letting you know what you would need to do if you choose to mitigate for your ground water use. You may also receive additional information updates from the Department in our effort to keep you informed.

If you have any questions about the new administrative rules for the Deschutes Basin and the mitigation opportunity described in the rules; or would like to request a copy of the new rules, please contact Laura Snedaker at (503) 378-8455, extension 331, or by e-mail at Laura.K.Snedaker@wrд.state.or.us.

Sincerely,



Paul R. Cleary
Director

c: Kyle Gorman, South Central Region Manager
Jeremy Giffin, District 11 Watermaster
Deschutes Steering Committee Members



ESU App# G-13943
Oregon

Theodore R. Kulongoski, Governor

Water Resources Department

Commerce Building
158 12th Street NE
Salem, OR 97301-4172
503-378-3739
FAX 503-378-8130

February 7, 2003

G 12885
U.S. FOREST SERVICE
PO BOX 1031
BEND, OR 97701

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Deschutes Basin Mitigation Bank and Mitigation Credit Rules, Division 521

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Sincerely,



Paul R. Cleary
Director

c: Kyle Gorman, South Central Region Manager
Jeremy Giffin, District 11 Watermaster
Deschutes Steering Committee Members

STATE OF OREGON
COUNTY OF DESCHUTES

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

UNITED STATES FOREST SERVICE C/O MT BACHELOR INC.
PO BOX 1031
BEND, OREGON 97709

(541) 382-2442

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-13943

SOURCE OF WATER: ONE WELL IN TODD CREEK BASIN

PURPOSE OR USE: QUASI-MUNICIPAL

MAXIMUM RATE: 3.34 CUBIC FEET PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: JANUARY 13, 1995

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, SECTION 20, T18S, R9E, W.M.;
1128 FEET SOUTH AND 2038 FEET EAST FROM THE NW CORNER SECTION 20

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SE 1/4
SW 1/4
SECTION 13
NE 1/4
SE 1/4
SECTION 24
ALL
SECTION 25
ALL
SECTION 36
TOWNSHIP 18 SOUTH, RANGE 8 EAST, W.M.
SW 1/4
SW 1/4 SE 1/4
SECTION 17
SW 1/4 NE 1/4
SE 1/4 NE 1/4
SW 1/4
SE 1/4
SECTION 18
ALL
SECTION 19
ALL
SECTION 20

Application G-13943 Water Resources Department

PERMIT G-12885

NW 1/4 SW 1/4
SW 1/4 SW 1/4
SE 1/4 SW 1/4

SECTION 21

NW 1/4 NE 1/4
SW 1/4 NE 1/4
SE 1/4 NE 1/4

NW 1/4
SW 1/4
SE 1/4

SECTION 28

ALL

SECTION 29

ALL

SECTION 30

ALL

SECTION 31

ALL

SECTION 32

ALL

SECTION 33

NW 1/4
SW 1/4

SECTION 34

TOWNSHIP 18 SOUTH, RANGE 9 EAST, W.M.

NE 1/4 NE 1/4
NW 1/4 NE 1/4

SECTION 1

TOWNSHIP 19 SOUTH, RANGE 8 EAST, W.M.

NE 1/4 NW 1/4
NW 1/4 NW 1/4

SECTION 4

NE 1/4 NE 1/4
NW 1/4 NE 1/4

NE 1/4 NW 1/4
NW 1/4 NW 1/4

SECTION 5

NE 1/4
NW 1/4

SECTION 6

TOWNSHIP 19 SOUTH, RANGE 9 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director.

Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

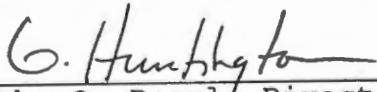
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

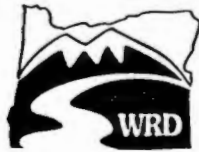
Actual construction of the well shall begin within one year from permit issuance, and shall be completed on or before October 1, 1998. Complete application of the water to the use shall be made on or before October 1, 1999.

Issued October 25, 1996



Martha O. Pagek, Director
Water Resources Department

Oregon Water Resources Department



State of Oregon
Water Resources Department
158 12th Street NE, Salem, OR 97310
1 (800)624-3199 • (503)378-8455
www.wrd.state.or.us

Fax Transmittal

TO: TOM WALKER

FAX: 541-388-4229 DATE: Wed 2-28-2001 PAGES: 4

FROM: HOLTS @ RESEARCH EXT 201

COMMENTS: _____

COPY of EXTENSION
FINAL ORDER.

Director's Office

- Water Resources Commission
- Legislation and Rules
- Public Information

Field & Technical Services

- Dam Safety
- Hydrographics
- Ground Water
- Information Services
- GIS/Mapping

FAX: 503-378-2496

Administrative Services

- Accounting/Fiscal
- Personnel
- Water Development Loan Fund

Resource Management

- Regional Liaisons

Field & Technical Services

- Enforcement

FAX: 503-378-8130

Water Rights & Adjudications

- Water Rights Information
- Adjudications
- Hydroelectric
- Certificates/Final Proofs
- Hearings/Contested Cases

Northwest Region

- District 16 Watermaster
- Transfers

FAX: 503-378-6203

Pa. ①



920 S.W. Emkay Dr., Suite C-100
Bend, Oregon 97702

RECEIVED

FEB 05 1999

WATER RESOURCES DEPT.
SALEM, OREGON

February 2, 1999

Mr. Dallas Miller
Oregon Water Resources Department
158 12th Street NE
Salem, OR 97310-0210

RE: United States Forest Service c/o Mt. Bachelor, Inc.
Permit G-12885
OWRD Application No. G-13943
Permit Extension Application
WHP File No. 2956-0303

Dear Dallas:

The referenced quasimunicipal permit for the Mt. Bachelor Ski Area was issued on October 25, 1996. Construction was initiated to perfect the permit and the standard Form A was submitted on August 26, 1997. We have been advised by representatives of the Oregon Water Resources Department (OWRD) that the deadline for completion of construction is no longer monitored by the Department. We recognize however, that an extension will be required for complete application of water to beneficial use. We have therefore prepared the attached extension application for your review and approval. A check in the amount of \$100.00 is enclosed for the extension application fee.

The Mt. Bachelor Ski Area has made significant progress in perfecting the quasimunicipal permit. One large diameter groundwater well has been constructed to a depth of over 1000 feet. The well has been in service since 1996. Recently a 450 horsepower vertical turbine pump was installed and put into service. Since 1996, the pump has delivered water to the domestic reservoir for commercial, fire protection, maintenance, recreation, snow making, irrigation, re-vegetation and other uses.

The Mt. Bachelor Ski Area has incurred expenses, well in excess of \$500,000 in perfecting this quasimunicipal water right.

Although significant progress has been made in perfecting the permit, additional time is required to complete the phased development for this large scale ski area project. In particular, the phased expansion of a snow making system requires a tremendous capital investment and can only be completed in phases over an extended period of time. The applicant respectfully requests a 10 year extension to complete the construction of works and/or purchase and installation of the equipment necessary to beneficially put the water to use. This 10 year time period will allow the Mt. Bachelor, Inc. to continue the construction of infrastructure to serve snow making equipment, invest in additional snow guns, expand landscape irrigation and re-vegetation systems, develop additional commercial and recreational amenities and facilities and generally continue the phased development and improvement of the ski area.

The schedule for phased improvement of the ski area is fully dependent upon market demand and winter time snow conditions, both of which are impossible to predict or control. Our request for a 10 year extension is based upon our understanding of the maximum allowable extension. If additional time is possible, we would certainly appreciate your review and advice.



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FEB 05 1999

**WATER RESOURCES DEPT.
SALEM, OREGON**

December 18, 1998
Page 2

Please consider my request and attachments. Please never hesitate to contact me if you have questions or needs for additional information. This water right permit is critical to the Mt. Bachelor Ski Area and we do not want to jeopardize this permit right in any way. Thank you for your assistance.

Very Truly Yours,

W&H PACIFIC, INC.



Thomas A. Walker, P.E., C.W.R.E.
Vice President

Cc: Dan Rutherford
Walt Schloer

tw121898.doc.DOC

RECEIVED

MAR 19 1999

WATER RESOURCES DEPT.
SALEM, OREGON

MT. BACHELOR WATER USAGE

	19,171,972		
Nov-96	20,093,730	921,758	
Dec-96	21,443,155	1,349,425	
Jan-97	22,912,041	1,468,886	
Feb-97	24,414,547	1,502,506	
Mar-97	25,980,657	1,566,110	
Apr-97	27,259,445	1,278,788	
May-97	28,432,034	1,172,589	
Jun-97	29,281,767	849,733	
Jul-97	30,057,802	776,035	
Aug-97		0	
Sep-97	30,058,074		
Sep-97	30,184,628	126,554	
Oct-97	30,549,082	364,454	
Nov-97	30,935,792	386,710	
Dec-97	31,978,190	1,042,398	
Jan-98	33,527,113	1,548,923	
Feb-98	34,518,365	991,252	
Mar-98	36,082,725	1,564,360	
Apr-98	37,076,450	993,725	
May-98	37,675,964	599,514	
Jun-98	38,146,436	470,472	
Jul-98	39,133,324	986,888	
Aug-98	40,288,903	1,155,579	
Sep-98		0	WELL OFFLINE
Oct-98		0	WELL OFFLINE
Nov-98		0	WELL OFFLINE
Dec-98		0	WELL OFFLINE
Jan-99	1,357,000	1,357,000	
Feb-99	2,923,000	1,566,000	

RECEIVED

MAR 19 1999

WATER RESOURCES DEPT.
SALEM, OREGON

MT. BACHELOR WATER USAGE

	19,171,972		
Nov-96	20,093,730	921,758	
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Aug-97		0	
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Nov-97	30,935,792	386,710	
Dec-97	31,978,190	1,042,398	
Jan-98	33,527,113	1,548,923	
Feb-98	34,518,365	991,252	
Mar-98	36,082,725	1,564,360	
Apr-98	37,076,450	993,725	
May-98	37,675,964	599,514	
Jun-98	38,146,436	470,472	
Jul-98	39,133,324	986,888	
Aug-98	40,288,903	1,155,579	
Sep-98		0	WELL OFFLINE
Oct-98		0	WELL OFFLINE
Nov-98		0	WELL OFFLINE
Dec-98		0	WELL OFFLINE
Jan-99	1,357,000	1,357,000	
Feb-99	2,923,000	1,566,000	

READING

↑
VOLUME
PUMPED

RECEIVED

APR - 3 2000

WATER RESOURCES DEPT.
SALEM, OREGON

WATER USAGE REPORT

MONTH	YEAR	TOTAL GALLONS
OCTOBER	1998	69,283

MARCH	1999	3,201,000
APRIL	1999	2,349,000
MAY	1999	1,252,000
JUNE	1999	1,769,000
JULY	1999	599,000
AUGUST	1999	947,000
SEPTEMBER	1999	479,000
OCTOBER	1999	846,000
NOVEMBER	1999	460,000
DECEMBER	1999	1,489,000

Note for Dec 1999 Well #2 went down on 12-13-99 and totalizer readings for well #1 were not obtained due to snow cover.

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G 13943

Final Order
Extension of Time for Permit Number G 12885

Appeal Rights

This is a final order in other than contested case. Pursuant to ORS 536.075 and OAR 137-004-080 and OAR 690-01-005, you may either petition the Director for reconsideration of this order or petition for judicial review of this order. As provided in ORS 536.075, this order is subject to judicial review under ORS 183.484. Any petition for judicial review of the order must be filed within the 60 day time period specified by ORS 183.484(2).

Application History

On February 5, 1999, United States Forest Service, Mt. Bachelor, Inc. submitted an application to the Department for an extension of time for permit number G 12885. The Department issued Permit number G 12885 on October 25, 1996. The permit called for completion of construction of the water development project by October 1, 1998 and complete application of water to the full beneficial use by October 1, 1999. In accordance with OAR 690-320-0010(8), on May 11, 1999, the Department issued a Proposed Final Order proposing to extend the time to complete development of the water development project to October 1, 2008, and/or the time to fully apply water to beneficial use to October 1, 2009. The protest period closed June 25, 1999. No protest was filed.

The permittee must submit a written progress report to the Department by October 1, 2004. The report must be received by the Department not sooner than 90 days prior to the due date. The permittee's report must describe in detail the work done each year since the last extension was granted or the last progress report submitted. The report shall include:

- a) The amount of construction completed;
- b) The amount of beneficial use of water being made, including the total volume of water used, water used relative to the specific authorizations (types of use, acres irrigated, etc.) contained in the permit, and the percent of the total allowable water use that this represents;
- c) A review of the permittee's compliance with terms and

PLACED IN U.S. MAIL

JAN 27 2000

- conditions of the permit and/or previous extension; and
- d) Financial investments made toward developing the beneficial water use.

The Department will review the progress report to determine whether the permittee is exercising diligence towards completion of the project and complying with the terms and conditions of the permit and extension.

Failure to submit a progress report by the due date above will result in cancellation of the undeveloped portion of the permit by the Department pursuant to ORS 537.260 or 537.410 to 537.450. Within one year after cancellation, the permittee must submit a final proof survey pursuant to ORS 537.230 and 537.250.

If the Department finds that diligence is questionable, the Department may:

- a) request the permittee to submit additional information with which to evaluate diligence;
- b) apply additional conditions and performance criteria for perfection of the right; or
- c) cancel the undeveloped portion of the permit pursuant to ORS 537.260 or 537.410 to 537.450. The Department will grant the permittee a hearing on the cancellation, if one is requested.

In determining whether the permittee has been diligent, the Department will consider information submitted to the Department by the permittee and any information submitted during the 30-day public comment period following public notice of submittal of the progress report.

If information is received through the public notice process indicating that the applicant has not been diligent toward completing the project, and if the director determines there are significant disputes related to the use of water, the Department will conduct a hearing.

The applicant has demonstrated good cause for the permit extension pursuant to ORS 537.230, 537.248, 537.630 and 539.010(5) (as appropriate).

Order

The extension of time for Application G 13943, Permit Number G 12885, therefore, is approved. The deadline for completing construction is extended to October 1, 2008. The deadline for

applying water to full beneficial use is extended to October 1,
2009.

DATED January 26, 2000

A handwritten signature in cursive script, appearing to read "Dwight Ford for". The signature is written over a horizontal line that separates it from the typed name below.

Martha O. Pagel, Director

FEB 05 1999

WATER RESOURCES DEPT.
SALEM, OREGON

APPLICATION FOR EXTENSION OF TIME

TO THE WATER RESOURCES DIRECTOR OF OREGON

I, United States Forest Service c/o Mt. Bachelor, Inc.

<u>P.O. Box 1031</u>	<u>Bend</u>	<u>OR</u>	<u>97709</u>	<u>541-382-2442</u>
ADDRESS	CITY	STATE	ZIP	PHONE

record owner of application No. G-13943 permit No. G-12885, do hereby request that the time in which to:

complete the construction of works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 1998, be extended to October 1, 2008, and/or the time in which to

accomplish beneficial use of water to the full extent under the terms of the permit, which time, now expires on October 1, 1999, be extended to October 1, 2009.

The extension of time requested should be long enough to finish the project. Should this request be approved, it will be the Department's expectation that you will complete your project within the new time period allowed. Future extensions may not be granted.

1-Did water system construction/well drilling begin within the time specified in the permit [yes/no]? yes

2-Have you put any water to use under this permit [yes/no]? yes
If yes, has that use been made consistent with the terms and conditions of the permit [yes/no]? yes If no, please explain.
Which terms and/or conditions have not been completely fulfilled at this time. _____

3-I have accomplished the following described works, purchases and installation of equipment necessary to the use of water under said permit.

(a) within past year Installed a 450 horse power vertical turbine pump, constructed a pump house, installed electrical controls, installed valves and manifolds, constructed a large diameter piped connection to distribution and storage facilities, purchased additional snow making equipment, and purchased/operated a re-pump station for snow making.

(b) prior to this past year Constructed a 13" to 17" well to a depth of 1038 feet, installed and operated an interim well pump, extended a power supply to the well head, purchased and operated snow making equipment, and completed revegetation of various ski runs.

RECEIVED

FEB 05 1999

WATER RESOURCES DEPT.
SALEM, OREGON

• and have accomplished beneficial use of water to the extent of
(amount of water used or acres irrigated) A well contribution of +910gpm
has been put to beneficial use.

4-Cost of project to date +\$500,000. Projected cost for
completion of project +\$3,000,000.

5-Have there been any unforeseen events which delayed development
of water system? Mt. Bachelor, Inc. anticipated phased development
and a relatively long timeframe for perfection of the permit.

6-Have there been any significant government requirements that
have delayed the completion of construction or application of
water? [please explain] No significant government requirement has
delayed the completion of construction or application of water to beneficia:
use.

7-What reasons was the project not completed within permit time
limits? The original permit time limits were not adequate to allow
completion of the phased development for a project of this magnitude. The
development must also comply with market demand and winter snow conditions,
which are beyond the control of Mt. Bachelor, Inc.

8-Has there been any change in the demand for water or power
since permit was issued? (please explain) Mt. Bachelor, Inc. does not
believe the demand for water or power has changed significantly since 1996
when the permit was issued.

9-Has there been any change in the market for water or power
since the permit was issued? (please explain) _____
Mt. Bachelor, Inc. does not believe the market for water or power has
changed significantly since 1996, when the permit was issued.

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FEB 05 1999

WATER RESOURCES DEPT.
SALEM, OREGON

10-Will the income or use from this project provide reasonable returns against the investment in this project? (please explain)
Yes - Skier income from an earlier fall ski area opening (made possible only through snow making) is critical to the continued success of the Mt. Bachelor Ski Area.

11-If the extension request is denied, is the current level of water use economically feasible? (please explain)

No - Continued expansion of the ski area and snow making system, as contemplated in approved master plans, is necessary to recover capital already invested in the perfection of this permit.

12-Is there an alternative source of water available [yes/no please explain]? No - No surface water is available and no municipal supplies are available.

13-Has the use of water under the permit caused an adverse impact on the surface/groundwater resource in the area ? (please explain)

No - Annual groundwater level measurements demonstrate no decline and OWRD findings at the time this permit was issued indicate no measurable impact on surface waters.

All items must be completed or the application will be returned. Please feel free to provide the Department with any additional information you might have that would aid us in making our decision. Please use an additional sheet of paper, if needed.

I am the permittee or have authorization from the permittee to apply for an extension of time under this permit. I understand that false or misleading statements in this extension application are grounds for the Department to suspend processing of the request and/or reason to deny the extension.

Signature

Walt Schloer, District Ranger 1/29/99

MAIL COMPLETED APPLICATION TO:

WATER RIGHT PERMIT EXTENSIONS
WATER RESOURCES
158 12TH ST NE
SALEM, OREGON 97310

X-Sender: kohanerc@mailhub.wrd.state.or.us
X-Mailer: QUALCOMM Windows Eudora Light Version 3.0.5 (32)
Date: Tue, 16 Feb 1999 13:20:28 -0800
To: Matthew Gerbrandt <Matthew.K.Gerbrandt@wrd.state.or.us>
From: Craig Kohanek <Ron.C.KOHANEK@wrd.state.or.us>
Subject: Re: Application# G-13943 (USFS)

Matt

I have no record of water use reporting information having been sent to me for the afore mentioned application number.

R. Craig Kohanek

At 10:06 AM 2/16/99 -0800, you wrote:

>Craig:

>Gary Ball suggested that I contact you in regards to this file. Gary's
>comments pretty well adress the situation... Could you please respond to
>me via email as to whether or not you have a record of water use reporting?

>-Matt

>

>

>>Matt -

>>

>>Deschutes National Forest has USER_ID of 4025 and the well in question has a
>>POD_ID of 37980. This user has failed to report the last 4 years. With a
>>priority date of 1995, therefore, the Water Use Reporting Program has no
>>record of a report for this water right.

>>

>>You might wish to check the Pump Test Program (Craig Kohanek). It is
>>possible their water use report was inadvertently attached to a pump test
>>report.

>>

>>- Gary

>>

>>Gary Ball, PE, PLS, WRE

>>Water Right Specialist

>>

>>

>>

>>At 08:43 AM 2/11/1999 -0800, you wrote:

>>>Gary,

>>>

>>>Related to extension requests and mandatory permittee information
>>>submittals:

>>>

>>>The permittee for permit G-12885, application file G-13943 (USFS) was,
>>>according to

>>>my review, to have submitted water usage reports. Please let me know by
>>>email whether

>>>you have evidence of any such information being submitted to the
Department.

>>>

>>>Thank you very much,

>>>

>>>Matt

>>>=====

>>>Matthew Gerbrandt

>>>Water Rights Information Group

>>>Oregon Water Resources Department

>>>158 12th ST NE, Salem Oregon 97310

>>>=====

>>>

>

>

>



920 S.W. Emkay Dr., Suite C-100
Bend, Oregon 97702

RECEIVED

MAR 19 1999

WATER RESOURCES DEPT.
SALEM, OREGON

March 17, 1999

Mr. Matthew Gerbrandt
Permit Extension Technician
Oregon Water Resources Department
158 12th Street NE
Salem, OR 97310-0210

RE: Permit No. G-12885
Application No. G-13943
WHP File No. 2956-0303

Dear Mr. Gerbrandt:

Thank you for your letter of February 17, 1999, following your review of the Mt. Bachelor Ski Area request for an extension on their groundwater permit. The water consumption records you requested are attached.

The attached summary lists the month and year, water meter reading at month end, and the water consumption in gallons. Mt. Bachelor, Inc. utilized their other source of water during the months that show no consumption.

Mt. Bachelor, Inc. has always maintained a water meter on the discharge of the groundwater well and has maintained consumption records since the well was constructed.

These records should have been submitted to your Department, but I have no documentation in my file of prior submittals. The appropriate meter was installed, records were kept and the Mt. Bachelor, Inc. maintenance staff is now fully aware of their annual obligation to submit the records to you.

Please consider my attachments and never hesitate to contact me if you have questions or need additional information. Our intent is to fully comply with the permit and not jeopardize the groundwater right in any way.

Sincerely,

W&H PACIFIC, INC.

Thomas A. Walker, P.E., C.W.R.E.
Vice President

Cc: Dan Rutherford
Gary Camp
Walt Schuer
Kyle Gorman

Mg030599.doc





Oregon

John A. Kitzhaber, M.D., Governor

Water Resources Department

Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

February 17, 1999

United States Forest Service
c/o Mt. Bachelor, Inc.
PO Box 1031
Bend, OR 97709

Permit Number: G-13943
Application Number: G-12885

Dear United States Forest Service:

The Department has received your request for an extension of time on the above referenced permit. In reviewing your file, we have found that there are one or more time sensitive requirements in your permit which have not been met.

The permit file lacks the following required information:

- ▶ The permit states that "The permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director." According to our records, no such reports have been submitted.

Without the above mandatory requirement, the permit is out of compliance with the terms under which it was issued. The Department cannot process your extension request without the above mentioned information. Please mail this information to the Department to my attention. Failure to respond to this letter may lead to rejection of the request for an extension of time.

If you have any questions, please give me a call at (503) 378-8455 extension 269 or toll free within Oregon at 1 (800) 624-3199, extension 269.

Sincerely,

Matthew Gerbrandt

Permit Extension Technician

Enclosure: Copy of your permit with subject matter highlighted
cc: Kyle Gorman, Watermaster #11

un group has

RECEIVED

AUG 28 1997

WATER RESOURCES DEPT.
SALEM, OREGON

Form A (630-9-77)

Application No. G-13943

NOTICE OF BEGINNING OF CONSTRUCTION

I, United States Forest Service c/o Mt. Bachelor, Inc. G-12885
the holder of Permit No. _____

to appropriate the public waters of the state of Oregon, began the actual construction of the works described therein on the 15th day of June, 1994

Remarks: A 17" bore was constructed to 890' and a 13" bore from 890' to 1038'. 14" casing was installed to 890' and a perforated 10" liner installed from 890' to 1034'. Pump testing has been completed.
The appropriator must state the manner of beginning of construction, the amount of work completed and the type of equipment required for the water system up to the date of this statement and any additional information which shows a substantial beginning of construction as authorized by your permit.

IN WITNESS WHEREOF, I have hereunto set my hand this 22 day of August, 1997
Walt Selber, District Manager 1230 NE 3rd St. Suite A202
(Signature of Applicant) Bend, Or 97702 (Address)

With one check and mail to the Water Resources Department, Salem, OR 97310, when construction work is begun.

TOTAL P.03

*OK
DSM*

RECEIVED

AUG 28 1997

WATER RESOURCES DEPT.
SALEM, OREGON



To: Oregon Water Resources Department
Water Rights Section
158 12th Street N.E.
Salem, OR 97310-0210

Dear Sirs:

August 26, 1997

Enclosed you will please find the form for Notice of Beginning
of Construction for the well at Mt. Bachelor.

Regards,

A handwritten signature in black ink, appearing to be "D. Rutherford", written over a horizontal line.

Dan Rutherford
Vice President of Operations

Copies to:

Tom Walker, P.E.
Vice President W. & H. Pacific

Walt Schloer
U.S. Forest Service

David Marsh
President Mt. Bachelor, Inc.

DR/gb

185	8E	185	9E	195	8E	195	9E	
13	SE	17	SW	1	NE NE	4	NE NW	
	SW		SU SE		NW NE		NW NW	
24	NE	18	SW NE			5	NE NE	
	SE		SE NE				NW NE	
25	ALL		SW				NE NW	
36	ALL		SE				NW NW	
		19	ALL			6	NE	
		20	ALL				NW	
		21	NW SW					
			SW SW					
			SE SW					
		28	NW NE					
			SW NE					
			SE NE					
			NW					
			SW					
			SE					
		29	ALL					
		30	}					
		31						
		32						
		33	ALL					
		34	NW					
			SW					

PFO MUNI & Q-MUNI CHECKLIST

Application #: C-13943 Vol 1 Subbasin DESCHUTES RIVER & Misc

Basin: 5

WAB: 0103462

Township 18S

Range 9E

Section 20

1/4 1/4 NE NW

1 Completeness checklist verified? Y/N
a. Form M Y/N Proj peak flow _____ Existing permitted cfs _____ Current pop _____
b. \$ for public notice Y/N Project pop _____

2 Indicators that the process should not continue (ie - protest, items missing, letter to file indicating hold, other) Y/N

3 Groundwater review A B C D _____
a. Is second groundwater review necessary? Y/N reason _____
b. Is the well located in a groundwater limited area? Y/N

4 SWW Y/N Triage Y/N conditions/restrictions Y/N DESCHUTES

5 Basin Program limitations? Y/N 690 505 002 (1) (a)

6 Withdrawn? Y/N season allowed _____

7 Basin Maps have been checked. Y/N The River Mile is _____

8 Water Availability (50% < July 17, 1992 OR 80% [50% storage] > July 17, 1992) NA
a. Notify Ken Stahr Y/N (Q, Duty, or Season) _____

9 Rate/Duty/Season 3.34

10 Use Q Muni Period of Allowed Use Yr Run

11 Priority Date(s) 1/11/95 TR Y/N mail date 4/23/96 (5/7; 6/6)

12 B.O.R. project Y/N contract # _____

13 TMDL Basin? Y/N (Tualatin, Yamhill, Pudding) DIVISION 33 Y/N (Abv Bonn > July 17,92 //// Blw Bonn > April 18,94 or June 3,94)

14 Objections? Y/N PFO different from IR/TR Y/N

15 Conditions (from IR/TR/ or Additional) Y/N (macro series 4 - 7) 7B, 7J
a. Conplan Y/N

16 Land use approval OK'd needs approval county notified NA

17 SIZE Small (<0.1cfs, <=9.2AF), Medium (>0.1 and <1.5cfs, >9.2 and <100AF) Large (>1.5 cfs, >=100 AF)?

18 Watermaster Dist: (1 2 16 18 - NWR) (3 4 5 - NCR) (6 8 9 10 - ER) 11 12 17 - SCR (14 15 19 - SWR)

limiting factors _____

1128 S & 2038 E

FROM NW CORNER SECTION 20

Application No. 6-13943

RECEIVED

JAN 11 1995

State of Oregon
WATER RESOURCES DEPARTMENT

WATER
SALEM, OREGON

Application for a Permit to Appropriate Ground Water

Applicant(s) United States Forest Service c/o Mt. Bachelor Inc.
(Please print or type - use dark ink)

Mailing Address: P.O. Box 1031
Bend OR 97709 (503) 382-2442
City State Zip Daytime Phone No.

I (We) make application for a permit to appropriate the following described ground waters of the State of Oregon:

1. **THE DEVELOPMENT** (number of wells, tile lines, infiltration galleries, etc.): _____
One Groundwater Well.

If development is less than one mile from a natural stream, give the following:
Distance from development to stream: Todd Creek is located + mile north of the existin
well, however, has no outlet and disappears to the
west. No known perennial tributaries of the Deschutes River are located within 1 mile.
Elevation difference between streambed and development: Todd Creek ranges in elevation
from +5,700 to +6,100 feet. The well head elevation is +6,300 feet.
NOTE: Wells must be constructed according to standards set by the department for the construction
and maintenance of water wells. If the well is already constructed, please enclose a copy of the well
driller's log with this application, and skip to Section 2 below.

Diameter of well: 18" to 890' and 13" to 1,038' Depth in feet: 1,038'
Type and size of well casing: 13.25 ID STL to 890' No. of feet: 1,034
10" ID PERF STL to 1,034'
Estimated depth to water: 703 feet (below top of casing)
Type of access port or measuring device: Air tube and PVC pipe for probe measurement.
Wells to be drilled by: Staco Well Services Inc.
Address: 220 Academy Street Mt. Angel, OR 97362

If the water well is flowing artesian, describe your water control and conservation works: _____
The well has been constructed and artesian flow was not encountered.

2. **TOTAL AMOUNT OF WATER** to be applied to beneficial use: 3.34 cubic feet per
second, OR 1,500 gallons per minute. If water is to be used from more than one
ground water source, give the quantity of water from each: _____

3. **INTENDED USE(s) OF WATER:** Quasi-Municipal

If for more than one use, give the quantity of water from each source for each use; _____

If for **DOMESTIC** use, state the number of households to be supplied; _____

If for **MUNICIPAL OR QUASI-MUNICIPAL** use, state the present population to be served, and an estimate of the future requirements; (List population projections, water needs, anticipated areas to be provided water.)

The Mt. Bachelor ski area currently serves up to approximately 14,000 visitors per day and growth is projected to 26,000 visitors per day.

If for **MINING** use, state the nature (gold, silver, etc.) of the mines to be served; _____

If for **IRRIGATION**, or other land area use, state the **TOTAL** number of acres to be developed under each use;

Irrigation _____
Other (describe) _____

4. **DESCRIPTION OF WATER DELIVERY SYSTEM:** Include dimensions and type of construction of diversion works, length and dimensions of supply ditches or pipelines, size and type of pump and motor. If for irrigation, describe the type of system (i.e., flood, wheel line, hand line, drip, other).

A 350 to 400 horsepower vertical line shaft turbine pump is anticipated together with additional in-line booster pump stations. Approximately 25,000 lineal feet of 2 to 12 inch distribution piping has been installed in the past and an additional 15,000 to 20,000 lineal feet of 10" and 12" piping is anticipated in the future.

*NOTE: The additional piping is needed to serve future lodges and mountain facilities, snow making equipment, and summer irrigation systems.

5. **PROJECT SCHEDULE:** (List month and year)

Proposed date construction work will begin October 1, 1995*

Proposed date construction work will be completed October 1, 2005

Proposed date water use will be completed October 1, 2006

NOTE: A map prepared by a Certified Water Right Examiner (CWRE) and a complete legal description of the subject property are required under ORS 537.140 and OAR 690 as a part of your application. The legal description may be copied from your deed, title insurance policy, or land sales contract.

6. a) In the event any deficiencies are noted involving the application map enclosed herein, please return the map with instructions for correction to (check one):

 Applicant X CWRE Other (Identify in REMARKS section)

b) In the event any deficiencies are noted involving the application, please return the application with instructions for correction to (check one):

 Applicant X CWRE Other (Identify in REMARKS section)

7. Are all lands involved (including the proposed diversion site, place of use, and access for conveying the water) under your ownership? yes . If not, list in the REMARKS section below, or on an attached sheet, the names and mailing addresses of the legal owners of all property involved in the proposed development.

NOTE: Prior to receiving a certificate of water right, the permit holder must submit to the Water Resources Department the results of a pump test meeting the department's standards. The Director will require water level or pump test results every ten years thereafter.

REMARKS: The Mt. Bachelor ski area operates on United States Forest Service
 land under a long term permit.
 Water right permit number G-10562 has been issued for the same well noted
 in this application. An expansion of right, as noted on this application, is
 requested

See Attached Sheet for Data

NOTE: The permit, when issued, is for the beneficial use of water without waste. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan. It is possible the land use you propose may not be allowed if it is not in keeping with the goals and acknowledged plan. Your city or county planning agency can advise you about the land-use plan in your area.

Walt Schloer, District Ranger
Signature of Applicant

December 23, 1994
Date

Signature of Co-Applicant, if any

Date

FOR WATER RESOURCES DEPARTMENT USE ONLY

Dear Applicant:

I certify that I have examined the foregoing application, together with the accompanying information, and am returning it to you for:

In order to retain its tentative priority, this application must be returned with the requested corrections or additions on or before:

_____, 19____.

WITNESS my hand this _____ day of _____, 19____.

Water Resources Director

By: _____

This instrument was first received in the office of the Water Resources Director at Salem, Oregon, on the 13 day of January, 19 95, at 8:00 o'clock, A M.

APPLICATION NO: G-13943

APRIL 23, 1996

U.S. FOREST SERVICE; MT BACHELOR INC
PO BOX 1031
BEND, OREGON 97709

Reference: File G-13943

Dear Applicant:

**THIS IS NOT A PERMIT AND IS
SUBJECT TO CHANGE AT NEXT PHASE OF PROCESS**

This letter is to inform you of the status of your application for water use. Based on the information you have supplied, the Water Resources Department has reached the following conclusions:

Initial Review Determinations:

1. Your application is complete and not defective.
2. The proposed use is not prohibited by law or rule.
3. The use of water for Quasi-Municipal use is allowed under OAR 505, the Deschutes Basin Program.
4. The use of 3.34 cubic feet per second from a Well for Quasi-Municipal use is available year round.

Summary of Initial Determinations

The use of 3.34 cfs from a Well for Quasi-Municipal use may be allowed year round.

Because of these favorable determinations to your application the Department can now move your application to the next phase of the water rights application review process. This phase is where public interest factors will be evaluated.



Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

G-13943
April 23, 1996
Page 2

Please reference the application number when sending any correspondence regarding the conclusions of this initial review. Comments received within the comment period, will be evaluated at the next phase of the process.

To Proceed With Your Application:

If you choose to proceed with your application, you do not have to notify the Department. Your application will automatically be placed on the Department's Public Notice to allow others the opportunity to comment. After the comment period the Department will complete a public interest review and issue a proposed final order.

Withdrawal Refunds:

If you choose not to proceed, you may withdraw your application and receive a refund (minus a \$50 processing charge per application.) To accomplish this you must notify the Department in writing by **MAY 7, 1996**. For your convenience you may use the enclosed "STOP PROCESSING" form.

If A Permit Is Issued It Will Likely Include The Following Conditions:

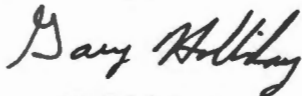
1. You may be required to measure the amount of water used and report that use annually.
2. If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.
3. Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.
4. The priority date for this application is January 11, 1995.

G-13943
April 23, 1996
Page 3

If you have any questions:

Feel free to call me at (503) 378-8455 ext. 454 or 1 (800) 624-3199 if you have any questions. Please have your application number available if you call.

Sincerely,



Gary Holliday
Initial Reviewer

cc: Regional Manager, Watermaster, Water Availability
Section
enclosures: Flow Chart of Water Right Process
Stop Processing Form

IR CHECKLIST

Application #: G 13943 Vol _____ Subbasin _____

Basin: 5 WAB: _____ POU-WAB: 010346200

Township 18 S Range 9 E Section 20 1/4 1/4 _____

- 1. Completeness checklist verified. Y / N or No Checklist
- 2. Indicators that the process should not continue (ie - protest, items missing, letter to file indicating hold, or other) Y / N
- 3. Groundwater review A B C D
 - a. Is the well located in a groundwater limited area? Y / N
 - b. SWW Y / N
- 4. SWW restrictions Y / N Sandy
- 5. TMDL Basin? Y / N Tualatin, Yamhill, Pudding
- 6. Basin Program limitations? Y / N
- 7. Withdrawal? Y / N _____ season allowed _____
- 8. Basin Maps have been checked. Y / N The River Mile is _____
- 9. Water Availability (50% < July 17, 1992 ** 80% [50% storage] > July 17, 1992) NA
- N/A 10. Rate _____ Duty _____ Season _____
- 11. Use Quasi-Municipal Period of Allowed Use _____
- 12. Priority Date(s) Jan 16, 1995
- 13. B.O.R. project Y / N contract # _____
- 14. Division 33 Y / N (Abv Bonn > July 17, 1992 & Blw Bonn > April 18, 1994 or June 3, 1994)
- 15. Conflicts Y / N
- 16. Land use approval OK'd needs approval county notified NA
- 17. Conditions? (BOR, GW, other) Y / N 7B, 7J
- 18. Watermaster District #: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
- 19. Regional Office (NWR, NCR, ER, SCR, or SWR)
- 20. IR has been saved to m:\t\ir\sent\app # _____ from m:\t\ir\work\app # _____

G-10562 permit already

Name: J. A Date: 4-22-96

OREGON WATER RESOURCES DEPARTMENT
ADMINISTRATIVE RULES
CHAPTER 690
DIVISION 505
DESCHUTES BASIN PROGRAM

Upper Deschutes Basin

690-505-001

(1) **Classifications**

(a) The maximum economic development of this state, the attainment of the highest and best use of the waters of the Upper Deschutes River Basin, and the attainment of an integrated and coordinated program for the benefit of the state as a whole will be furthered through utilization of the aforementioned waters only for domestic, livestock, municipal, irrigation, power development, industrial, mining, recreation, wildlife and fish life uses and the waters of the Upper Deschutes River Basin are hereby so classified with the following exception:

The maximum economic development of this state, the attainment of the highest and best use of the waters of the natural lakes of the Upper Deschutes River Basin, except for Crescent Lake, and the attainment of an integrated and coordinated program for the benefit of the state as a whole will be furthered through utilization of the aforementioned waters only for domestic, livestock, irrigation of lawn or noncommercial garden not to exceed one-half acre in area, power development not to exceed 7 1/2 theoretical horsepower, recreation, wildlife and fish life uses and the waters of the natural lakes, Upper Deschutes River Basin, except for Crescent Lake, are hereby so classified.

(b) Applications for the use of the waters of the Upper Deschutes River Basin shall not be accepted by any state agency for any other use and the granting of applications for such other uses is declared to be prejudicial to the public interest and the granting of applications for such other uses would be contrary to the integrated and coordinated program for the use and control of the water resources of the state.

(c) Structures or works for the utilization of the waters in accordance with the aforementioned classifications are also declared to be prejudicial to the public interest unless planned, constructed and operated in conformity with applicable provisions of ORS 536.310 and any such structures or works are further declared to be prejudicial to the public interest which do not give proper cognizance to the multiple-purpose concept.

(2) **Minimum Perennial Streamflows**

(a) To support aquatic life and minimize pollution, in accordance with Section 3, Chapter 796, Oregon Laws, 1983, no appropriation of water shall be made or granted by any state agency or public corporation of the state for waters of the Upper Deschutes River and tributaries when flows are below the levels specified in Table 1. This limitation shall not apply to:

(A) Human and livestock consumption.

TOWNSHIP 18S RANGE 9E W. M. SECTION 20

NE				NW				SW				SE				APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			
ACREAGE IN LOT OR LEGAL SUBDIVISION AS SHOWN ON GOVERNMENT PLAT, IF OTHER THAN 40 ACRES																		
																41859	31115	46658
																61590	46221	
																G-11341	G-10562	3
																G-11341	G-10562	
																G-13943		

SE: Lake
 SW: Lake
 NW: Lake
 SE: Lake
 SW: Lake
 NW: Lake
 SE: Lake
 SW: Lake
 NW: Lake
 SE: Lake

Coor:
 Cont:
 10 -

**Water Right Conditions
Tracking Slip**

Groundwater/Hydrology Section

FILE ## G-13943

ROUTED TO: Water Rights

TOWNSHIP/

RANGE-SECTION: 18s/9E-20

CONDITIONS ATTACHED? yes no

REMARKS OR FURTHER INSTRUCTIONS:

Permit should include GW
conditions 7B & 7J.

Reviewer: K. Lite

TO: Water Rights Section

April 11, 1996

FROM: Groundwater/Hydrology Section K. Lite

Reviewer's Name

SUBJECT: Application G- 13943

GROUNDWATER/SURFACE WATER CONSIDERATIONS

1. PER THE Basin rules, one or more of the proposed POA's is/is not within feet/mile of a surface water source () and taps a groundwater source hydraulically connected to the surface water.
2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
 - a. will, or have the potential for substantial interference with the nearest
 - b. will not surface water source, namely ; or
 - c. will if properly conditioned, adequately protect the surface water from interference:
 - i. The permit should contain condition #(s) 73;
 - ii. The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. The permit should be conditioned as indicated in item 4 below; or
 - d. will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that groundwater for the proposed use
 - a. will, or likely be available in the amounts requested without injury to prior rights
 - b. will not and/or within the capacity of the resource; or
 - c. will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
 - i. The permit should contain condition #(s) 73;
 - ii. The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. The permit should be conditioned as indicated in item 4 below; or
4.
 - a. THE PERMIT should allow groundwater production from no deeper than ft. below land surface;
 - b. The permit should allow groundwater production from no shallower than ft. below land surface;
 - c. The permit should allow groundwater production only from the groundwater reservoir between approximately ft. and ft. below land surface;
 - d. Well reconstruction is necessary to accomplish one or more of the above conditions.
 - e. One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: _____

(Well Construction Considerations on Reverse Side)

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

5. THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:
- a. ___ review of the well log;
 - b. ___ field inspection by _____;
 - c. ___ report of CWRE _____;
 - d. ___ other: (specify) _____
6. THE WELL construction deficiency:
- a. ___ constitutes a health threat under Division 200 rules;
 - b. ___ commingles water from more than one groundwater reservoir;
 - c. ___ permits the loss of artesian head;
 - d. ___ permits the de-watering of one or more groundwater reservoirs;
 - e. ___ other: (specify) _____
7. THE WELL construction deficiency is described as follows: _____
8. THE WELL
- a. ___ was, or constructed according to the standards in effect at the time of
 - b. ___ was not original construction or most recent modification.
 - c. ___ I don't know if it met standards at the time of construction.

RECOMMENDATION:

- A. ___ I recommend including the following condition in the permit:
"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."
- B. ___ I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.
- C. ___ REFER this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit
_____, 199__.
(Signature)

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons: _____

_____, 199__.
(Signature)

STATE OF OREGON WATER WELL REPORT (as required by ORS 537.765)

LEJC 9563

OCT 21 1994 WATER RESOURCES DEPT. SALEM, OREGON

100/7E/266 (START CARD) # 65248

(1) OWNER: Well Number _____ Name Mt. Bachelor Address 335 SW Century Drive City Bend State OR Zip 97702

(2) TYPE OF WORK: [X] New Well [] Deepen [] Recondition [] Abandon

(3) DRILL METHOD: [X] Rotary Air [] Rotary Mud [] Cable [] Other

(4) PROPOSED USE: [X] Domestic [] Community [] Industrial [] Irrigation [] Thermal [] Injection [] Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval [] Yes [X] No Depth of Completed Well 1038 ft. Explosives used [] Yes [] No Type _____ Amount _____

Table with columns: HOLE Diameter, From, To, Material, SEAL From, To, Amount sacks or pounds. Row 1: 17", 0, 890, Cement, 0, 60, 210. Row 2: 15", 890, 1038, , , ,

How was seal placed: Method [] A [] B [X] C [] D [] E [] Other

Backfill placed from _____ ft. to _____ ft. Material _____ Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Casing: 14", +105, 890, .375, [X], [], [X], []. Liner: 10", 880, 1034, .0250, [X], [], [X], [].

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS: [X] Perforations Method Factory [] Screens Type _____ Material _____

Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Row 1: 890, 1034, 3/16x4, 6480, 10", , [], [X].

(8) WELL TESTS: Minimum testing time is 1 hour: [X] Pump [] Bailor [] Air [] Flowing Artesian

Table with columns: Yield gal/min, Drawdown, Drill stem at, Time. Row 1: 1850, 80', , 1 hr. Row 2: , , , 24 hr.

Temperature of Water 51° Depth Artesian Flow Found _____ Was a water analysis done? [] Yes By whom _____ Did any strata contain water not suitable for intended use? [] Too little [] Salty [] Muddy [] Odor [] Colored [] Other _____ Depth of strata: _____

(9) LOCATION OF WELL by legal description: County Deschutes Latitude _____ Longitude _____

Township 18 S N or S. Range 9 E E or W. WM. Section 2 NE 1/4 NW 1/4 Tax Lot _____ Lot _____ Block _____ Subdivision _____ Street Address of Well (or nearest address) Mt. Bachelor Ski Lodge

(10) STATIC WATER LEVEL: 705 ft. below land surface. Date 7-15-94 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES: Depth at which water was first found 725

Table with columns: From, To, Estimated Flow Rate, SWL. Row 1: 725, 1038, 1000 +, 705.

(12) WELL LOG: Ground elevation _____

Table with columns: Material, From, To, SWL. Rows include: Fill cinders black (0-30), Cinders black-tan med (30-40), Andestic basalt gray hard (40-125), Cinders with basalt red/black (125-135), Cinders pumice and basalt red/vt (135-155), Pumice cinder and vesicular basalt (155-175), Basalt black med hard (175-208), Basalt gray hard (208-220), Cinders red brown black (220-250), Cinders trace basalt red/br/blk (250-330), Andestic basalt gray/black hard (330-345), Cinder gray/blk med hard (345-395), Cinder gray highly vesicular weathered very soft (395-415), Cinder red highly vesicular (415-455), fresh very soft (455-475), Basalt cinder gray red fresh med hard (475-730), Cinder with trace andestic basalt (475-730), Andestic basalt fract. hard (730-940), Cinder and scoriaceous basalt gray red trace brown weathered (940-960).

Date started 6-15-94 Completed cont. on pg. _____

(unbonded) Water Well Constructor Certification: 7-15-94 I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Material used and information reported above are true to my best knowledge and belief.

Signed [Signature] WWC Number 1523 Date 10-17-94

(bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

Signed [Signature] WWC Number 1358 Date 10-17-94

STATE OF OREGON WATER WELL REPORT (as required by ORS 537.765)

DW 9563

18S/7E/8W

(1) OWNER: Well Number Name Mt. Bachelor Address 335 SW Century Drive City Bend State OR Zip 97702

(2) TYPE OF WORK: New Well Deepen Recondition Abandon

(3) DRILL METHOD: Rotary Air Rotary Mud Cable Other

(4) PROPOSED USE: Domestic Community Industrial Irrigation Thermal Injection Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval Yes No Depth of Completed Well ft. Explosives used Yes No Type Amount

Table with columns: HOLE Diameter, From, To, SEAL Material, From, To, Amount sacks or pounds

How was seal placed: Method A B C D E Other

Backfill placed from ft. to ft. Material Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded

Final location of shoe(s)

(7) PERFORATIONS/SCREENS: Perforations Method Screens Type Material

Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner

(8) WELL TESTS: Minimum testing time is 1 hour

Table with columns: Yield gal/min, Drawdown, Drill stem at, Time

Temperature of Water Depth Artesian Flow Found Was a water analysis done? Did any strata contain water not suitable for intended use? Depth of strata:

(9) LOCATION OF WELL by legal description: County Deschutes Latitude Longitude Township 18 S N or S. Range 9 E E or W. WM. Section 2 NE 1/4 NW 1/4 Tax Lot Lot Block Subdivision

Street Address of Well (or nearest address) Mt. Bachelor Ski Lodge

(10) STATIC WATER LEVEL: 705 ft. below land surface. Date 7-15-94 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Depth at which water was first found 725

Table with columns: From, To, Estimated Flow Rate, SWL

(12) WELL LOG: Ground elevation

Table with columns: Material, From, To, SWL

Date started 6-15-94 Completed 7-15-94

(unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards.

Signed [Signature] WWC Number 1523 Date 10-17-94

(bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above.

Signed [Signature] WWC Number 1358 Date 10-17-94

RECEIVED

OCT 21 1994

WATER RESOURCES DEPT SALEM, OREGON

Application No. *6713943*
Permit No.

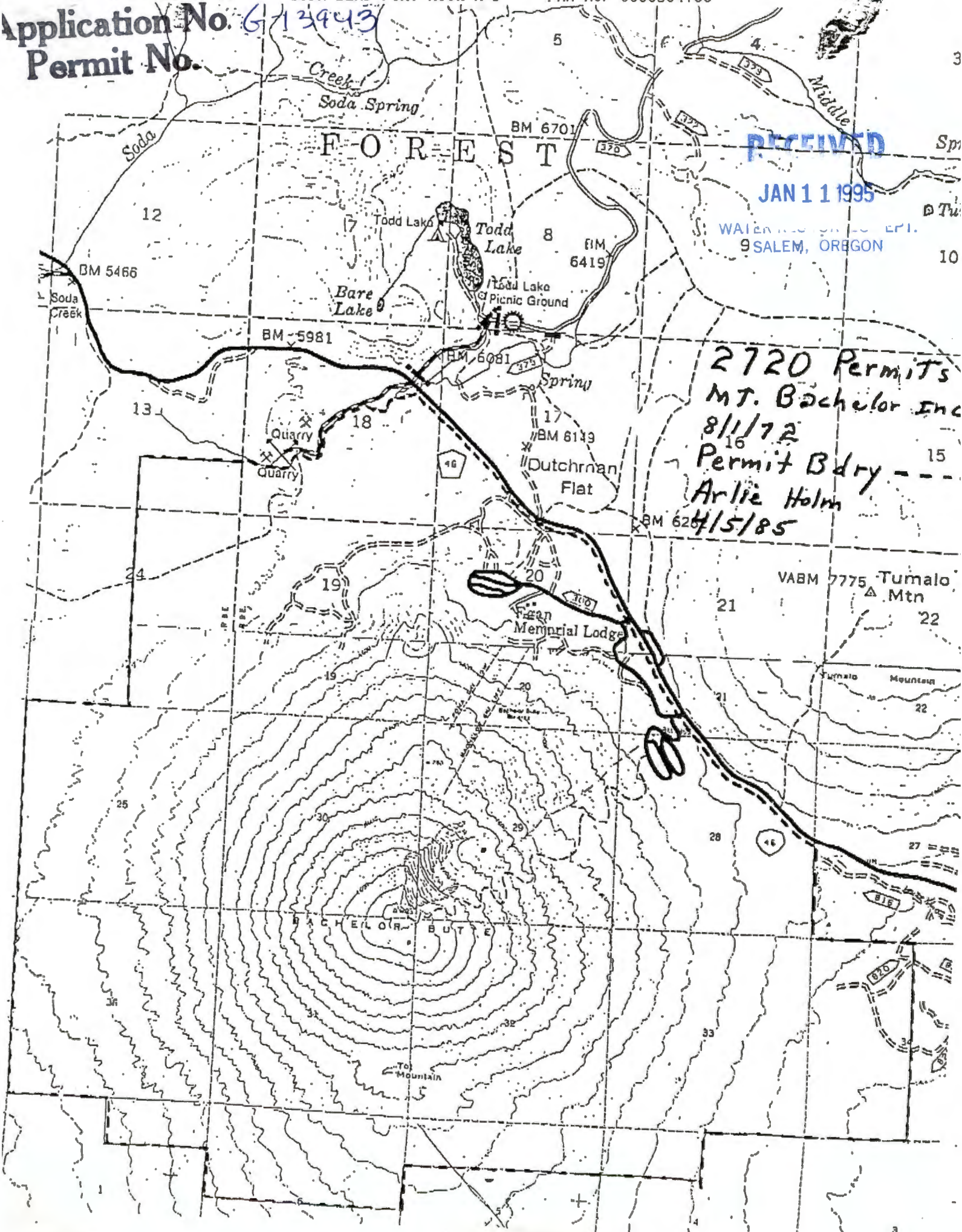
F O R E S T

RECEIVED

JAN 11 1995

WATER RESOURCES DIVISION
9 SALEM, OREGON

*2720 Permits
Mt. Bachelor Inc
8/1/72
Permit Bdry - - -
Arlie Holm
4/5/85*



Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-13943

Final Order

Application History

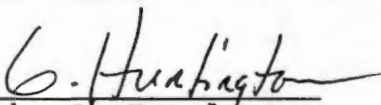
On January 13, 1995, U.S. FOREST SERVICE; MT BACHELOR INC submitted an application to the Department for a water use permit. The Department issued a Proposed Final Order on August 6, 1996. The protest period closed September 20, 1996, and no protest was filed.

The proposed use would not impair or be detrimental to the public interest.

Order

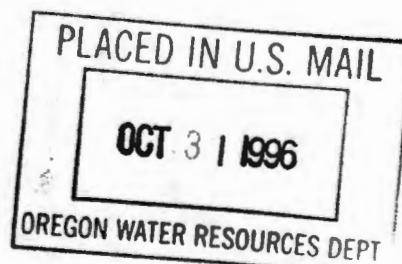
Application G-13943 therefore is approved as proposed by the Proposed Final Order, and Permit G-12885 is issued as limited by the conditions proposed by the Proposed Final Order.

DATED October 25, 1996


Martha O. Pagel
Director

Appeal Rights

Under the provisions of ORS 183.484, the applicant may appeal this order by filing a petition for review in the Circuit Court for Marion County or the circuit court for the county in which the applicant resides or has a principal business office. The petition for review must be filed within 60 days after the date this order is served.



STATE OF OREGON
COUNTY OF DESCHUTES

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

UNITED STATES FOREST SERVICE C/O MT BACHELOR INC.
PO BOX 1031
BEND, OREGON 97709

(541)382-2442

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-13943

SOURCE OF WATER: ONE WELL IN TODD CREEK BASIN

PURPOSE OR USE: QUASI-MUNICIPAL

MAXIMUM RATE: 3.34 CUBIC FEET PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: JANUARY 13, 1995

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, SECTION 20, T18S, R9E, W.M.;
1128 FEET SOUTH AND 2038 FEET EAST FROM THE NW CORNER SECTION 20

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SE 1/4
SW 1/4
SECTION 13
NE 1/4
SE 1/4
SECTION 24
ALL
SECTION 25
ALL
SECTION 36
TOWNSHIP 18 SOUTH, RANGE 8 EAST, W.M.
SW 1/4
SW 1/4 SE 1/4
SECTION 17
SW 1/4 NE 1/4
SE 1/4 NE 1/4
SW 1/4
SE 1/4
SECTION 18
ALL
SECTION 19
ALL
SECTION 20

Application G-13943 Water Resources Department

PERMIT G-12885

NW 1/4 SW 1/4
 SW 1/4 SW 1/4
 SE 1/4 SW 1/4

SECTION 21

NW 1/4 NE 1/4
 SW 1/4 NE 1/4
 SE 1/4 NE 1/4

NW 1/4

SW 1/4

SE 1/4

SECTION 28

ALL

SECTION 29

ALL

SECTION 30

ALL

SECTION 31

ALL

SECTION 32

ALL

SECTION 33

NW 1/4

SW 1/4

SECTION 34

TOWNSHIP 18 SOUTH, RANGE 9 EAST, W.M.

NE 1/4 NE 1/4

NW 1/4 NE 1/4

SECTION 1

TOWNSHIP 19 SOUTH, RANGE 8 EAST, W.M.

NE 1/4 NW 1/4

NW 1/4 NW 1/4

SECTION 4

NE 1/4 NE 1/4

NW 1/4 NE 1/4

NE 1/4 NW 1/4

NW 1/4 NW 1/4

SECTION 5

NE 1/4

NW 1/4

SECTION 6

TOWNSHIP 19 SOUTH, RANGE 9 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director.

Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

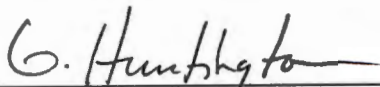
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Actual construction of the well shall begin within one year from permit issuance, and shall be completed on or before October 1, 1998. Complete application of the water to the use shall be made on or before October 1, 1999.

Issued October 25, 1996



Martha O. Pagel, Director
Water Resources Department

RECEIVED
JAN 19 1995
WATER RESOURCES DEPT.
SALEM, OREGON



January 17, 1995

Application No. G-13943
Permit No.

Mr. Joe Mullen
Oregon Water Resources Department
Commerce Building
1580 12th Street, N.E.
Salem, Oregon 97310-0210

Re: Mt. Bachelor Ski Area
Groundwater Appropriation Application

Dear Joe:

Thank you for your assistance on our groundwater appropriation for the Mt. Bachelor Ski Area in Deschutes County. As you noted, an oath is required in order to continue the processing of our application. This letter has been prepared, in conformance with your request.

I certify that the information provided in our referenced application is an accurate representation of the proposed water use and is true and correct to the best of my knowledge.

Thank you again for your assistance. Please never hesitate to contact Tom Walker (388-4255) or me with any questions.

Sincerely,

MT BACHELOR, INC.

A handwritten signature in dark ink, appearing to read "D. Rutherford", is written over the typed name.

Dan Rutherford
Vice-president, Operations

cc: David Marsh



Application No. G-13943
Permit No.

RECEIVED

JAN 11 1995

WA
SALEM, OREGON -PT.

Mr. Reed Marbut
December 30, 1994
Page 2

The Mt. Bachelor ski area is located within the Deschutes River basin. Todd Creek is located approximately one mile to the north, however Todd Creek has no outlet and disappears to the northwest. No known perennial streams exist within one mile of the well.

Please consider the enclosed information and initiate the appropriate processing for a groundwater permit. Please never hesitate to contact me with any questions or needs for additional information.

Very truly yours,
W&H PACIFIC, INC.

Thomas A. Walker, P.E., C.W.R.E.
Senior Associate

cc: Dave Marsh
Walt Schloer

TAW:tlc





155 N.E. Revere
Bend, Oregon 97701

Application No. G-13943
Permit No.

December 30, 1994

Mr. Reed Marbut
Oregon Water Resources Department
3850 Portland Road, N.E.
Salem, Oregon 97730

RECEIVED

JAN 11 1995

WATER RESOURCES DEPT.
SALEM, OREGON

Re: Mt. Bachelor Ski Area
Groundwater Appropriation Application
2956-0303

Dear Reed:

I have enclosed an application, an application map, and a check in the amount of \$450.00 for recording and examination fees. Our application is for the Mt. Bachelor Ski Area and has been executed by the governing agency, the U.S. Forest Service. A U.S. Forest Service permit description is also enclosed. Our application requests a permit to utilize groundwater for quasi-municipal uses. Our permit fee was calculated as noted below.

Examination Fee	\$200.00
First CFS	\$100.00
Additional 2.34 CFS	\$150.00
Total	\$450.00

Water will be utilized for snow making, summertime irrigation, revegetation, construction watering, commercial, fire protection, storage, maintenance, recreation, and other uses. We anticipate a common distribution system for most uses. The entire ski area permit tract is included in the application to accommodate anticipated future growth.

Mt. Bachelor Inc. holds several water rights for commercial uses at the existing ski area and minimal summertime irrigation. The total authorized diversion rate for the existing groundwater permit is 110 gpm. Our requested diversion rate for the new permit is 1,500 gpm, and is intended to authorize expansion of use for the existing deep well.

In the summer of 1994, Mt. Bachelor Inc. constructed a replacement well under permit G-10562. We believe the original well tapped only the top of the regional groundwater table and we found the water supply to be inconsistent and somewhat unreliable. The replacement well, located approximately 50 feet away, was drilled significantly deeper into the water bearing zone. The attached well log and pump test results demonstrate groundwater is available, far in excess of our permit application. Although a significantly greater volume of water is available in the existing well, Mt. Bachelor Inc. has limited the application based upon actual needs.



FILE # 6-13993

FO CHECKLIST

REVIEW DATE: 09/26/96

WEEK # 54

PFO TO FO CONVERSION

INITIALS : JTG

In preparing the FO, you should check the following:

1. Y / N Were comments or protests received in response to the PFO?
2. If #1 = "Y", from whom were the comments received and when?
3. Verify names and addresses on the PFO CC list. ALL commentors (regardless of comment date), affected landowners (were they notified?), and those who paid the \$10 fee should be listed.
4. Verify payment of recording fees (circle the appropriate option)
 - (1) Issue FO w/permit if fees are paid -- Prepare refund request for excess fees, including standing fees if no protest is filed and no modifications are being made to the PFO
 - (2) Issue FO w/o permit if fees are lacking
5. Y / N Is the file lacking a signed oath of accuracy for the application?
6. Y / N Has ODFW asked for self certification on screening condition?
7. Y / N Is water use prohibited for one or more months of the normal use period?
8. Y / N If # 7 = "Y", is short season letter on file? Note: If short season letter is lacking prepare FO with Draft permit giving applicant 60 days to submit letter.
9. Y / N Is further processing possible? If not state reason: _____
10. _____ Notify applicant of additional information or fees required prior to permit issuance (SEND CERTIFIED LETTER & use standard wording from M:\T\FO\TOOLS if possible)
11. _____ Assign permit numbers to files with oath, fees, and no protests or other issues

200
100
150

Route to: (circle one)

DENIAL	FO w/o PERMIT	FO & PERMIT	COMMENTS
LARRY	JERRY	JEREMY	DOUG

FB, FJ

Initials JTG

Modify FO as needed to:

12. Respond to significant comments, issues, or disputes related to the proposed use of water (see notes, if any, listed above)
13. Include or exclude permit conditions and management codes
14. Correct PFO errors (such as POD or POU location (verify from map), Permit format)

Once FO document is completed:

15. Save WordPerfect document in M:\T\FO\WEEK 54 & delete duplicates
16. Print final draft of document and submit to team leader for review
17. Y / N Team leader review completed

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-13943

Proposed Final Order

Summary of Recommendation: The Department recommends that the attached draft permit be issued with conditions.

Application History

On January 13, 1995, UNITED STATES FOREST SERVICE C/O MT BACHELOR INC. submitted an application to the Department for the following water use permit:

- Amount of Water: 3.34 CUBIC FEET PER SECOND
- Use of Water: QUASI-MUNICIPAL
- Source of Water: ONE WELL IN TODD CREEK BASIN
- Area of Proposed Use: Deschutes County within Township 18 & 19 South, Range 8 & 9 East, W.M.

On APRIL 23, 1996, the Department mailed the applicant notice of its Initial Review, determining that the use of 3.34 CFS of water from a WELL for QUASI-MUNICIPAL USE is allowed YEAR ROUND. The applicant did not notify the Department to stop processing the application within 14 days of that date.

On MAY 7, 1996, the Department gave public notice of the application in its weekly notice. The public notice included a request for comments, and information for interested persons about both obtaining future notices and a copy of the proposed final order.

No written comments were received within 30 days.

In reviewing applications, the Department may consider any relevant sources of information, including the following:

- comments by or consultation with another state agency
- any applicable basin program
- any applicable comprehensive plan or zoning ordinance
- the amount of water available
- the rate and duty for the proposed use
- pending senior applications and existing water rights of record
- designations of any critical groundwater areas
- the Scenic Waterway requirements of ORS 390.835
- applicable statutes, administrative rules, and case law

- any general basin-wide standard for flow rate and duty of water allowed
- the need for a flow rate and duty higher than the general standard
- any comments received

Findings of Fact

The Deschutes Basin Program allows the following uses: QUASI-MUNICIPAL Senior water rights exist on ONE WELL IN TODD CREEK BASIN or on downstream waters.

ONE WELL IN TODD CREEK BASIN is above a State Scenic Waterway.

Water is available for further appropriation (at 80 percent exceedance probability) YEAR ROUND.

The Department finds that no more than 3.34 CFS would be necessary for the proposed use. The amount of water requested, 3.34 CFS, is allowable.

The Department determined, based upon OAR 690-09, that the proposed groundwater use will, if properly conditioned, adequately protect the surface water from interference.

The Groundwater Section finds that there is NOT a preponderance of evidence that the proposed use of groundwater will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

Conclusions of Law

Under the provisions of ORS 537.621, the Department must presume that a proposed use will ensure the preservation of the public welfare, safety and health if the proposed use is allowed in the applicable basin program established pursuant to ORS 536.300 and 536.340 or given a preference under ORS 536.310(12), if water is available, if the proposed use will not injure other water rights and if the proposed use complies with rules of the Water Resources Commission.

The proposed use requested in this application is allowed in the an 80 Basin Plan.

No preference for this use is granted under the provisions of ORS 536.310(12).

Water is available for the proposed use.

The proposed use will not injure other water rights.

The proposed use complies with rules of the Water Resources Commission.

The proposed use complies with the State Agency Agreement for land use.

For these reasons, the required presumption has been established.

Under the provisions of ORS 537.621, once the presumption has been established, it may be overcome by a preponderance of evidence that either:

- (a) One or more of the criteria for establishing the presumption are not satisfied; or
- (b) The proposed use would not ensure the preservation of the public welfare, safety and health as demonstrated in comments, in a protest . . . or in a finding of the department that shows:
 - (A) The specific aspect of the public welfare, safety and health under ORS 537.525 that would be impaired or detrimentally affected; and
 - (B) Specifically how the identified aspect of the public welfare, safety and health under ORS 537.525 would be impaired or be adversely affected.

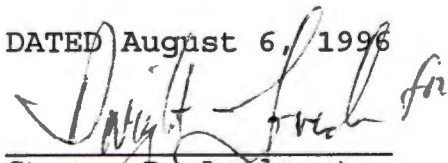
In this application, all criteria for establishing the presumption have been satisfied, as noted above. The presumption has not been overcome by a preponderance of evidence that the proposed use would impair or be detrimental to the public interest.

The Department therefore concludes that water is available in the amount necessary for the proposed use; the proposed use will not result in injury to existing water rights; and the proposed use would ensure the preservation of the public welfare, safety and health as described in ORS 537.525.

Recommendation

The Department recommends that the attached draft permit be issued with conditions.

DATED August 6, 1996



Steven P. Applegate
Administrator
Water Rights and Adjudications Division

Protest Rights

Under the provisions of ORS 537.621(7), you have the right to submit a protest against this proposed final order. Your protest must be in writing, and must include the following:

- Your name, address, and telephone number;
- A description of your interest in the proposed final order, and, if you claim to represent the public interest, a precise statement of the public interest represented;
- A detailed description of how the action proposed in this proposed final order would impair or be detrimental to your interest;
- A detailed description of how the proposed final order is in error or deficient, and how to correct the alleged error or deficiency;
- Any citation of legal authority to support your protest, if known; and
- If you are not the applicant, the \$200 protest fee required by ORS 536.050.
- If you are the applicant, a statement of whether or not you are requesting that a contested case hearing be held. If you do not request a hearing, the Department will presume that you do not wish for a hearing to be held.

Your protest must be received in the Water Resources Department no later than **September 20, 1996**.

After the protest period has ended, the Director will either issue a final order or schedule a contested case hearing. The contested case hearing will be scheduled only if a protest has been submitted and if

- upon review of the issues the director finds that there are significant disputes related to the proposed use of water, or
- the applicant requests a contested case hearing within 30 days after the close of the protest period.

RWK

DRAFT

This is not a permit!!!
STATE OF OREGON

DRAFT

COUNTY OF DESCHUTES

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

UNITED STATES FOREST SERVICE C/O MT BACHELOR INC.
PO BOX 1031
BEND, OREGON 97709

(541)382-2442

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-13943

SOURCE OF WATER: ONE WELL IN TODD CREEK BASIN within the Deschutes basin

PURPOSE OR USE: QUASI-MUNICIPAL

MAXIMUM RATE: 3.34 CFS

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: January 13, 1995

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, SECTION 20, T18S, R9E, W.M.;
1128 FEET SOUTH AND 2038 FEET EAST FROM THE NW CORNER SECTION 20

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SE 1/4
SW 1/4
SECTION 13

NE 1/4
SE 1/4
SECTION 24

ALL
SECTION 25

ALL
SECTION 36

TOWNSHIP 18 SOUTH, RANGE 8 EAST, W.M.

SW 1/4
SW 1/4 SE 1/4
SECTION 17

SW 1/4 NE 1/4
SE 1/4 NE 1/4
SW 1/4
SE 1/4
SECTION 18

ALL
SECTION 19

ALL
SECTION 20

NW 1/4 SW 1/4
SW 1/4 SW 1/4
SE 1/4 SW 1/4
SECTION 21

NW 1/4 NE 1/4
SW 1/4 NE 1/4
SE 1/4 NE 1/4
NW 1/4
SW 1/4
SE 1/4
SECTION 28

ALL
SECTION 29

ALL
SECTION 30

ALL
SECTION 31

ALL
SECTION 32

ALL
SECTION 33

NW 1/4
SW 1/4
SECTION 34

TOWNSHIP 18 SOUTH, RANGE 9 EAST, W.M.

NE 1/4 NE 1/4
NW 1/4 NE 1/4
SECTION 1
TOWNSHIP 19 SOUTH, RANGE 8 EAST, W.M.

NE 1/4 NW 1/4
NW 1/4 NW 1/4
SECTION 4

NE 1/4 NE 1/4
NW 1/4 NE 1/4
NE 1/4 NW 1/4
NW 1/4 NW 1/4
SECTION 5

NE 1/4
NW 1/4
SECTION 6
TOWNSHIP 19 SOUTH, RANGE 9 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Actual construction of the well shall begin within one year from permit issuance, and shall be completed on or before October 1, 1998. Complete application of the water to the use shall be made on or before October 1, 1999.

Issued _____, 199_

DRAFT - THIS IS NOT A PERMIT

Water Resources Department
Director

To: File 13943

From: Bill Fujii

August 21, 1996

Subject: Irrigation

Tom Walker of W&H Pacific called and told me that the maximum number of acres of irrigation needed for this application is 100 acres. I would recommend adding this irrigation limit because of a conversation I had with Steve Applegate, we thought this definition of the total number of irrigated acres would give the application a basis for "beneficial use without waste" and be a defensible limitation if the PFO was protested.

Oregon Water Resources Department

Form M

RECEIVED

AUG 12 1996

This form is to be used in conjunction with **WATER RESOURCES DEPT.**
applications for permits to use water for municipal purposes **SALEM, OREGON**

*Read instructions carefully. Answer all questions.
Type or print clearly in dark ink.*

1. POPULATION:

- a. What is the present population to be served? Approximately 14,000 visitors per day.
- b. Do you serve population beyond your city limits? No service beyond the city area boundary.
- c. According to your estimates, what will the population be 25 years from now? (Please cite source) Approximately 26,000 - Mt. Bachelor Development Plan 1986.

2. WATER NEEDS:

- a. What are your current water needs? 241 gpm
- b. What will your water needs be 25 years from now? 3.34 CFS (1500 gpm)
- c. List your current source(s) of water by water body, amount of use and water right permit (e.g., Crystal Creek, .01 cfs, Permit S-12345).
Groundwater Well - 110 gpm - Permit G-10562 (Application G-11341)
Todd Creek, a tributary of the Deschutes River -100 gpm - Permit 46221 (Application 61590), Unnamed Creek, a tributary of Todd Lake - 31 gpm - Certificate 46658 (Application 41859)
- d. Explain how your existing water use permits and water rights will assist in meeting your water use needs (i.e., Have you identified any of your water use permits or water rights that cannot or will not be used to meet future needs?). Please explain.
All existing water use permits and water rights will continue to be utilized. The current application for appropriation is an expansion of right for an existing well, utilized under permit G-10562.

3. CONSERVATION MEASURES: Please describe what you propose to do to prevent waste of water (e.g., metering, weekly measurements, etc.).

The permittee expects to install a meter and keep a complete record of water use, utilize low flow fixtures where possible, and educate employees and visitors on the importance of water conservation.

Please include a copy of your water facilities plan with your application.

Water Resources Department
Request for Distribution of Funds

To: Fiscal Services Section

Date: August 21, 1996

From: Bill Fujii

Subject: Refund

File: G-13943

Receipt: 5432

Please prepare payment in the amount of \$ 250, made payable to:

Name: Mt. Bachelor Ski and Summer Resort

Address: PO Box 1031

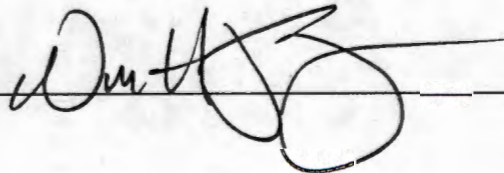
City/State/Zip: Bend, Oregon 97709

0207

Publication deposit for notice to affected land owners not required.

I have reviewed this distribution request and have determined the request to be justified as to the purposes indicated above. Fiscal Services is hereby authorized to process the requested distribution.

Authorized Signature: _____



Date: _____

8/21

AUG 22 1996

206808

WARRANT NO.
114247541

WATER RESOURCES DEPARTMENT

(503) 378-8455

INVOICE NO.	INVOICE DATE	INVOICE DESCRIPTION	AGY	DOCUMENT	AMOUNT
		REVENUE REFUND 5432	690	VP001529	250.00

Records have been redacted or withheld pursuant to the exemption for financial transfer records specified in ORS 192.345(27).

ISSUE DATE:
08/26/96

WARRANT AMOUNT
250.00

VENDOR NAME: MT BACHELOR SKI AND SUMMER RESORT
VENDOR NUMBER: 9690000001

REMOVE CHECK AT PERFORATION

STATE OF OREGON

Dept of Administrative Services
To the State Treasurer, Salem, OR 97310

DATE ISSUED
MO-DAY-YR
08/26/96

VOID AFTER
MO-DAY-YR
08/26/98



96-10
1232

BANK
11

WARRANT NO.
4247541

VENDOR NO.
9690000001

PAY THIS AMOUNT
\$250.00

*****TWO HUNDRED FIFTY AND 00/100 DOLLARS*****

PAY TO THE ORDER OF:

MT BACHELOR SKI AND SUMMER RESORT
P O BOX 1031
BEND OR 97709

John J. Ziefel



20/CCM

G13943

Application No.

G012885

Permit No.

U.S. FOREST SERVICE; MT BACHELOR INC.
PO BOX 1031
BEND, OR 97709

Address

Beginning construction OCT. 25, 1997

Completion of construction OCT. 1, 1998

Extended to

Complete application of water OCT. 1, 1999

Extended to

W&H PACIFIC

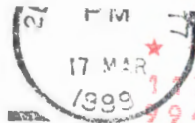
920 S.W. Emkay Dr., Suite C-100
Bend, Oregon 97702



Mr. Dallas Miller
Oregon Water Resources Department
158 12th Street NE
Salem, O 97310-0210

W&H PACIFIC

920 S.W. Emkay Dr., Suite C-100
Bend, Oregon 97702



Mr. Matthew Gerbrandt
Permit Extension Technician
Oregon Water Resources Dept.
158 12th Street NE
Salem, OR 97310-0210

VENDOR: 03895 OR - WATER RESOURCES DEPT

CHECK NO. 84844

OUR REF. NO.	YOUR INV. NO.	INVOICE DATE	INVOICE AMOUNT	AMOUNT PAID	DISCOUNT TAKEN	NET CHECK AMOUNT
	PERMIT	12/30/94	450.00	450.00		450.00

PO#95A0230

MT. BACHELOR
SKI AND SUMMER RESORT

RECEIVED
JAN 11 1995
WATER
SALEM, OREGON

VENDOR: 64910 OREGON WATER RESOURCE DEPARTMENT

CHECK NO. 99939

OUR REF. NO.	YOUR INV. NO.	INVOICE DATE	INVOICE AMOUNT	AMOUNT PAID	DISCOUNT TAKEN	NET CHECK AMOUNT
	FEE08099	08-09-96	250.00	250.00		250.00



RECEIVED
AUG 12 1996
WATER RESOURCES DEPT.
SALEM, OREGON

NUMBER 00208

Check 450 NO Cash

 Surface Application $\frac{200}{250}$

 Reservoir Application *Data*

 Ground Water Application *Center*

 Transfer Application

 Power Claim

 Hydroelectric Examination

 Hydroelectric License

 Copying

 Assignment

 Extension of Time

 Other

 P-6

 Quadrangle

 Basin

 Protest

 Constructors Examination

 Constructors License

 Adjudication

7492

NUMBER _____

Check 250⁰⁰ Mo _____ Cash _____

- _____ Surface Application
- _____ Reservoir Application
- _____ Ground Water Application
- _____ Transfer Application
- _____ PFO Request
- _____ Research
- _____ Hydroelectric Fees
- _____ Copying
- _____ Assignment
- _____ Extension of Time
- _____ Protest
- _____ Other

*Bill Fujie
Pub. dep notice*



P.O. Box 1031
Bend, OR 97709-1031



Oregon Water Resources Department

Water Rights Section

158 12th Street N.E.

Salem, OR 97310-0210

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

RECEIPT #

5432

158 12TH ST. N.E.

SALEM, OR 97310-0210

378-8455 / 378-8130 (FAX)

INVOICE # _____

RECEIVED FROM:

Wt Bachelor

APPLICATION

513943

BY: _____

PERMIT

TRANSFER

CASH:

CHECK: #

OTHER: (IDENTIFY)

TOTAL REC'D

\$ *2509*

0417 WRD MISC CASH ACCT

ADJUDICATIONS

\$

PUBLICATIONS / MAPS

\$

OTHER: (IDENTIFY)

\$

OTHER: (IDENTIFY)

\$

REDUCTION OF EXPENSE

CASH ACCT.

\$

PCA AND OBJECT CLASS

VOUCHER #

0427 WRD OPERATING ACCT

MISCELLANEOUS

0407

COPY & TAPE FEES

\$

0410

RESEARCH FEES

\$

0408

MISC REVENUE: (IDENTIFY)

\$

TC165

DEPOSIT LIAB. (IDENTIFY)

\$

WATER RIGHTS:

0201

SURFACE WATER

EXAM FEE

\$

0202

RECORD FEE

\$

0203

GROUND WATER

\$

0204

\$

0205

TRANSFER

\$

0206

\$

WELL CONSTRUCTION

EXAM FEE

0218

WELL DRILL CONSTRUCTOR

\$

0219

LICENSE FEE

\$

LANDOWNER'S PERMIT

0220

\$

0207 OTHER (IDENTIFY)

pub Dep

2509

0437 WELL CONST. START FEE

0211

WELL CONST START FEE

\$

CARD #

0210

MONITORING WELLS

\$

CARD #

OTHER (IDENTIFY)

0539 LOTTERY PROCEEDS

1302

LOTTERY PROCEEDS

\$

0467 HYDRO ACTIVITY

LIC NUMBER

0233

POWER LICENSE FEE (FW/WRD)

\$

0231

HYDRO LICENSE FEE (FW/WRD)

\$

HRDRO APPLICATION

\$

RECEIPT #

5432

DATED:

8-14-96

BY:

JLS

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

RECEIPT # **120957**

158 12TH ST. N.E.
SALEM, OR 97310-0210
378-8455 / 378-8130 (FAX)

INVOICE # _____

RECEIVED FROM: MT. BACHELOR SKI
BY: B SUMMER RESORT

APPLICATION	
PERMIT	
TRANSFER	

CASH: CHECK: # 24-12 OTHER: (IDENTIFY)

TOTAL REC'D \$ 450.00

01-00-0 WRD MISC CASH ACCT

842.010	ADJUDICATIONS	\$
831.087	PUBLICATIONS / MAPS	\$
830.650	PARKING FEES Name / month	\$
_____	OTHER: (IDENTIFY)	\$

REDUCTION OF EXPENSE

_____	CASH ACCT.	\$
_____	VOUCHER #	

03-00-0 WRD OPERATING ACCT

MISCELLANEOUS		
840.001	COPY FEES	\$
850.200	RESEARCH FEES	\$
880.109	MISC REVENUE: (IDENTIFY)	\$
520.000	OTHER (P-6) (IDENTIFY)	\$

WATER RIGHTS:		EXAM FEE		RECORD FEE
842.001	SURFACE WATER	\$	842.002	\$
842.003	GROUND WATER	\$ <u>200.00</u>	842.004	\$ <u>250.00</u>
842.005	TRANSFER	\$	842.006	\$
WELL CONSTRUCTION		EXAM FEE		LICENSE FEE
842.022	WELL DRILL CONSTRUCTOR	\$	842.023	\$
	LANDOWNER'S PERMIT		842.024	\$
_____	OTHER (IDENTIFY)			

06-00-0 WELL CONST. START FEE

842.013	WELL CONST START FEE	\$	CARD #	
_____	MONITORING WELLS	\$	CARD #	
_____	OTHER (IDENTIFY)			

45-00-0 LOTTERY PROCEEDS

864.000	LOTTERY PROCEEDS	\$
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07-00-0 HYDRO ACTIVITY

	LIC NUMBER	
842.011	POWER LICENSE FEE (FW/WRD)	\$
842.115	HYDRO LICENSE FEE (FW/WRD)	\$
_____	HYDRO APPLICATION	\$

RECEIPT # **120957**

DATED: 1-11-95 BY: [Signature]

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

RECEIPT # **27608**

158 12TH ST. N.E.
SALEM, OR 97310-0210
378-8455 / 378-8130 (FAX)

INVOICE # _____

RECEIVED FROM: W.H. Pacific
BY: _____

APPLICATION	G-13943
PERMIT	F-07888
TRANSFER	

CASH: CHECK: # 2422 OTHER: (IDENTIFY)

TOTAL REC'D \$ _____

0417 WRD MISC CASH ACCT

ADJUDICATIONS	\$
PUBLICATIONS / MAPS	\$
OTHER: (IDENTIFY)	\$
OTHER: (IDENTIFY)	\$

REDUCTION OF EXPENSE

CASH ACCT. \$ _____
VOUCHER # _____

0427 WRD OPERATING ACCT

MISCELLANEOUS

0407	COPY & TAPE FEES	\$
0410	RESEARCH FEES	\$
0408	MISC REVENUE: (IDENTIFY)	\$
TC165	DEPOSIT LIAB. (IDENTIFY)	\$

PCA#6611

WATER RIGHTS:

0201	SURFACE WATER	EXAM FEE	0202	RECORD FEE
0203	GROUND WATER	\$	0204	\$
0205	TRANSFER	\$	0206	\$
0218	WELL CONSTRUCTION	EXAM FEE	0219	LICENSE FEE
	WELL DRILL CONSTRUCTOR	\$	0220	\$
	LANDOWNER'S PERMIT			

0240 OTHER (IDENTIFY) *EVT. of Time \$100.00*

0437 WELL CONST. START FEE

0211	WELL CONST START FEE	\$	CARD #	
0210	MONITORING WELLS	\$	CARD #	
	OTHER (IDENTIFY)			

0539 LOTTERY PROCEEDS

1302	LOTTERY PROCEEDS	\$
------	------------------	----

0467 HYDRO ACTIVITY

0233	POWER LICENSE FEE (FW/WRD)	LIC NUMBER	\$
0231	HYDRO LICENSE FEE (FW/WRD)		\$
	HRDRO APPLICATION		\$

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

RECEIPT # **27608**

158 12TH ST. N.E.
SALEM, OR 97310-0210
378-8455 / 378-8130 (FAX)

INVOICE # _____

RECEIVED FROM: W&H Pacific
BY: _____

APPLICATION	G-13943
PERMIT	G-012885
TRANSFER	

CASH: CHECK: # 24-22 OTHER: (IDENTIFY)

TOTAL REC'D \$ _____

0417 WRD MISC CASH ACCT

ADJUDICATIONS	\$ _____
PUBLICATIONS / MAPS	\$ _____
OTHER: (IDENTIFY) _____	\$ _____
OTHER: (IDENTIFY) _____	\$ _____

REDUCTION OF EXPENSE

CASH ACCT. \$ _____
VOUCHER # _____

0427 WRD OPERATING ACCT

0407	MISCELLANEOUS COPY & TAPE FEES	\$ _____
0410	RESEARCH FEES	\$ _____
0408	MISC REVENUE: (IDENTIFY) _____	\$ _____
(new) TC165	DEPOSIT LIAB. (IDENTIFY) _____	\$ _____
(existing) TC168	WATER RIGHTS:	
0201	SURFACE WATER	\$ _____
0203	GROUND WATER	\$ _____
0205	TRANSFER	\$ _____
0218	WELL CONSTRUCTION	
	WELL DRILL CONSTRUCTOR	\$ _____
	LANDOWNER'S PERMIT	\$ _____
<u>0240</u>	OTHER (IDENTIFY) <u>EXT. OF TIME \$100.00</u>	\$ _____

PCA#66111

0437 WELL CONST. START FEE

0211	WELL CONST START FEE	\$ _____	CARD # _____
0210	MONITORING WELLS	\$ _____	CARD # _____
	OTHER (IDENTIFY) _____		

0539 LOTTERY PROCEEDS

1302	LOTTERY PROCEEDS	\$ _____
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0467 HYDRO ACTIVITY

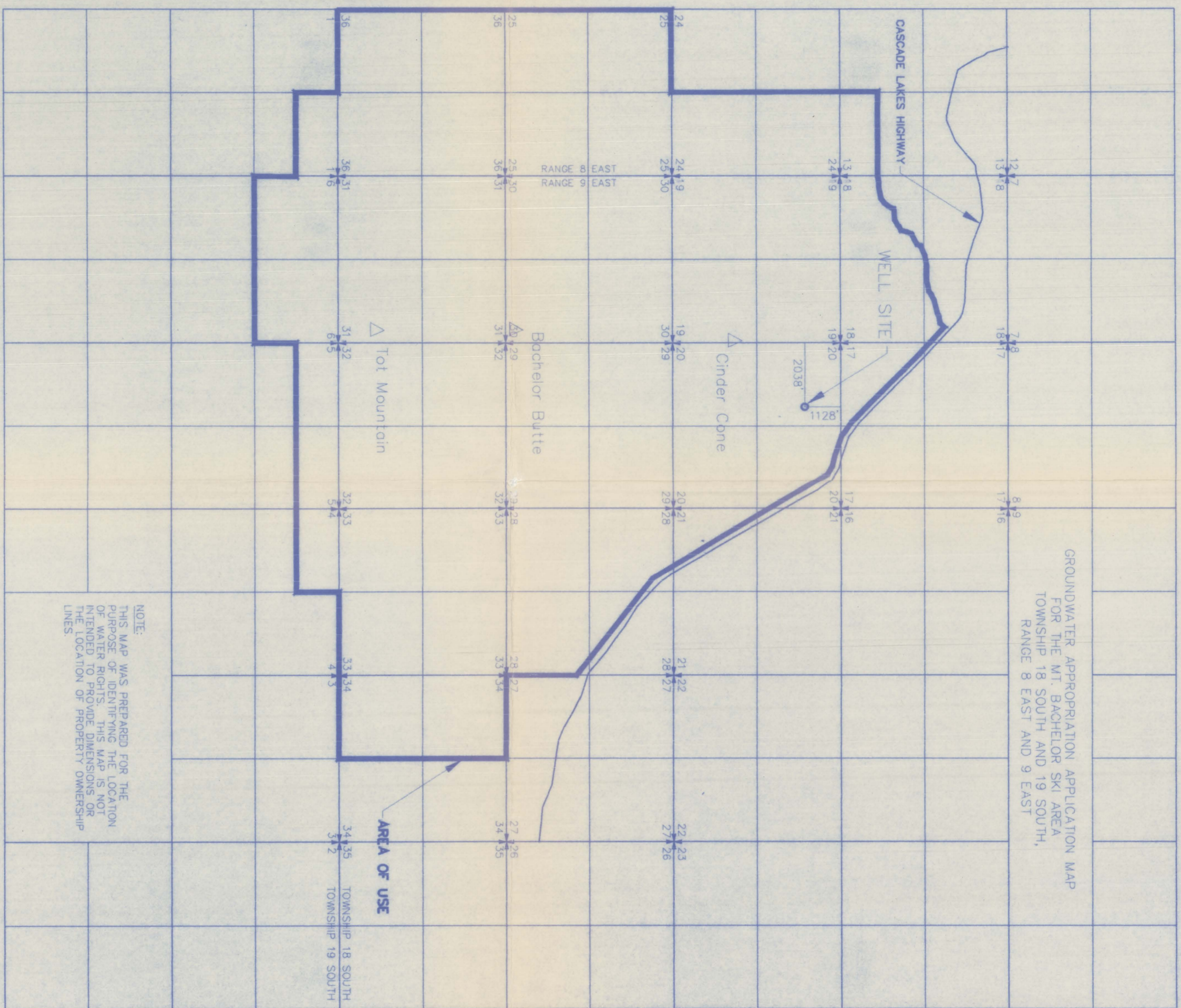
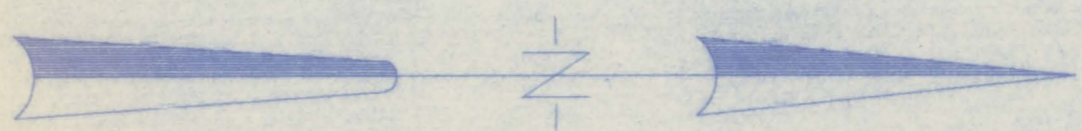
0233	POWER LICENSE FEE (FWWRD)	LIC NUMBER _____	\$ _____
0231	HYDRO LICENSE FEE (FWWRD)	_____	\$ _____
	HRDRO APPLICATION _____		\$ _____

RECEIPT # **27608**

DATED: 2-5-99

BY: Roger Wright

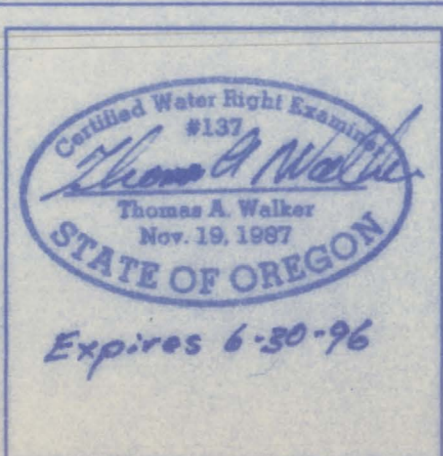
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NOTE:
THIS MAP WAS PREPARED FOR THE PURPOSE OF IDENTIFYING THE LOCATION OF WATER RIGHTS AND THIS MAP IS NOT TO BE USED AS A BASIS FOR DETERMINING THE LOCATION OF PROPERTY OWNERSHIP LINES.

Application No G-13943
Permit No.

DESIGNED BY: <i>NLM</i>	CHECKED BY:			
DRAWN BY: <i>NLM</i>	PLOT DATE: <i>10/11/94</i>			
DATE	BY	REVISION	CK'D	APPR.



**MT. BACHELOR SKI AREA
APPLICATION MAP FOR
GROUNDWATER APPROPRIATION**

Deschutes County
SCALE: 1"=2640'

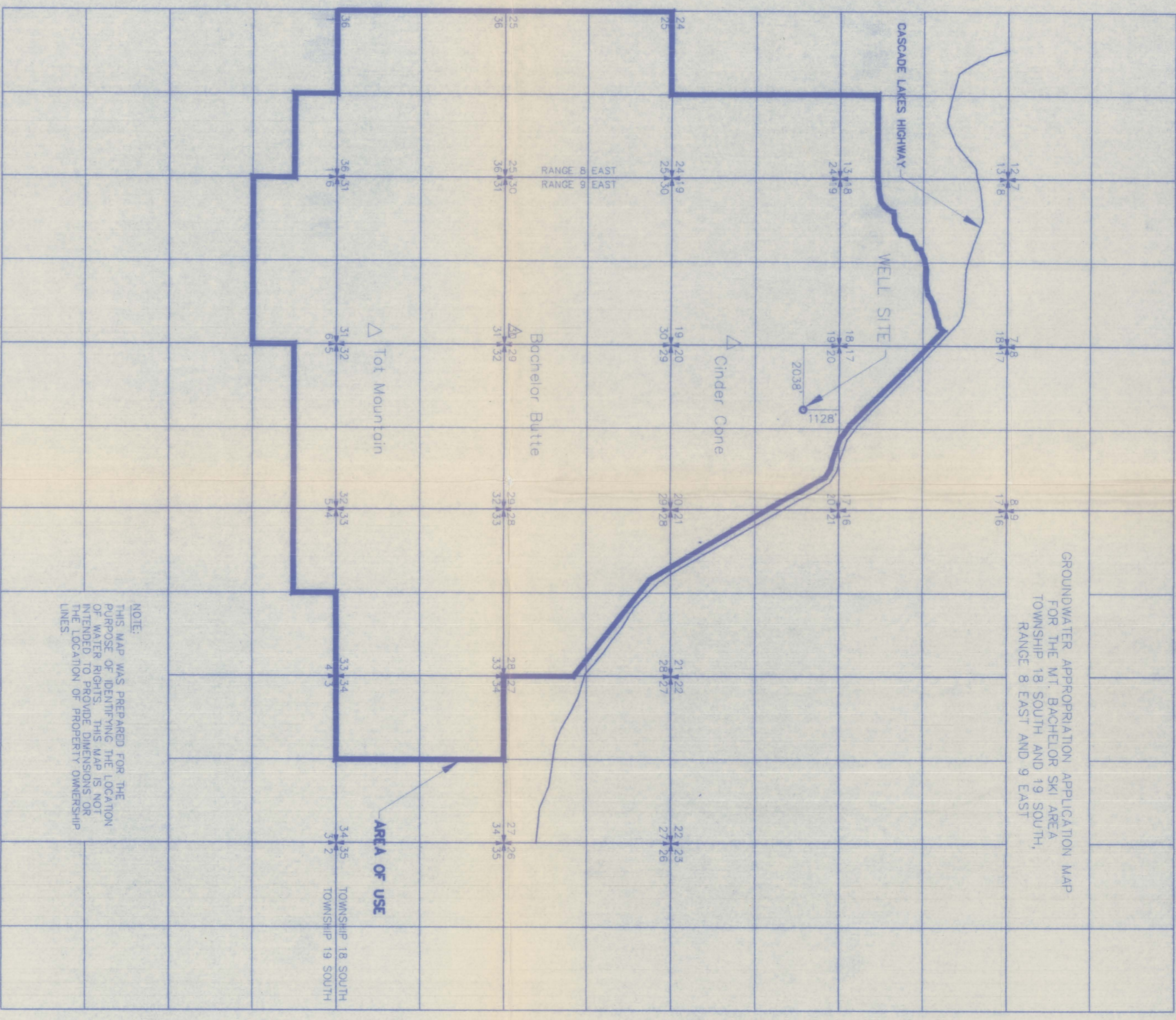
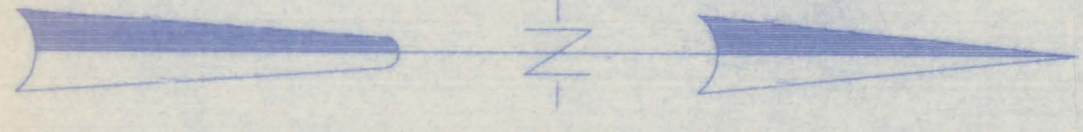
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Landscape Architecture • Environmental Services



NOTE:
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MT. BACHELOR SKI AREA
APPLICATION MAP FOR
GROUNDWATER APPROPRIATION

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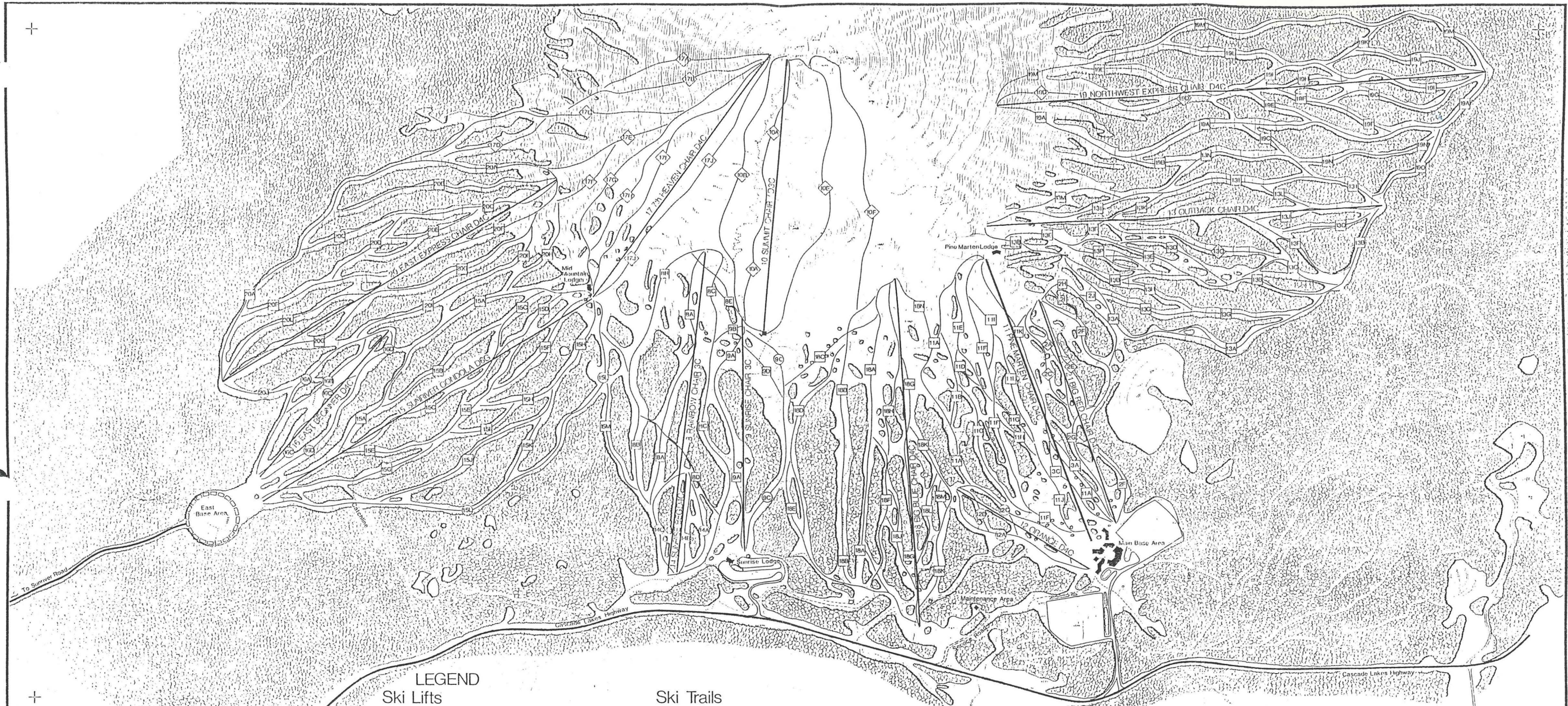
DESIGNED BY: NLM	CHECKED BY:			
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Deschutes County
SCALE: 1"=2640'

PROJECT NO. 2956-0303

DRAWING FILE NAME: GROUNDWA.DWG



LEGEND

Ski Lifts

Lift	Name	Lift Type	Vertical	Slope Length	Capacity/Hr.
8	Rainbow	Triple	1,215 ft.	5,515 ft.	1,800 Skiers
9	Sunrise	Triple	807	3,787	1,800
10	Summit	Det. Triple	1,725	4,880	2,160
11	Pine Marten	Det. Quad	1,360	4,950	2,800
12	Orange	Det. Quad	355	2,555	2,057
13	Outback	Det. Quad	1,754	6,761	2,800
14	Sunrise	Det. Quad	225	1,675	2,057
15	Sunrver	Gondola	5,950	6,528	2,400
16	East	Det. Quad	5,950	3,311	2,057
17	7th Heaven	Det. Quad	7,235	5,107	2,800
18	Big Blue	Det. Quad	6,334	5,918	2,800
19	Northwest Express	Det. Quad	2,290	7,517	2,800
20	East Express	Det. Quad	1,535	6,874	2,800
21	Big Red	Det. Quad	1,158	4,020	2,800

Ski Trails

Ski Trail Ability Levels

Skill Class Code

Easier ○

More Difficult □

Most Difficult ◇

See Text for Trail Details

Cross Country Trails.....

23,900 Alpine Skiers
 5.7 Skiers/Acre
 1,690 Nordic Skiers

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MT. BACHELOR DEVELOPMENT PLAN - STAGE III

Permit # G012885

