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

1/30/2015

BANDON DUNES LIMITED PARTNERSHIP
2130 LINCOLN PARK NORTH
CHICAGO, IL 60614

REFERENCE: Application G-13577 / Permit G-13498

Dear Permit Holder:

The Water Right Services Division received your written 2013 progress report for Permit G-13498. Receipt of the progress report was published on the Department's weekly Public Notice, dated December 16, 2014. The Department did not receive any public comment on the progress report.

After reviewing your Progress Report, the Department determined that diligence toward completion of the project and compliance with the terms and conditions of the permit and extension has been demonstrated.

Your next written progress report for Permit G-13498 is due no later than **October 1, 2018**. The report must be received by the Department no sooner than 30 days prior to the due date.

For your convenience, I have enclosed your next *Progress Report Form*. Please calendar this October 1, 2018 due date, as no further reminders will be sent.

As per your most recent extension, the date by which water must be applied to full beneficial use within the terms and conditions of your permit is October 1, 2022. ***Failure to submit a written progress report will most likely result in any future extensions being denied.***

If you have any questions, please feel free to contact me by telephone at (503) 986-0802.

Sincerely,

Machelle A Bamberger
Extensions
Water Right Services Division

Enclosure

cc: Application G-13577
Watermaster District 19 – Mitch Lewis

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

Extension of Time
Progress Report Form
For Checkpoints

TO THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT

Permit Holder: **BANDON DUNES LIMITED PARTNERSHIP** Application **G-13577**
Permit **G-13498**

Report Due no later than October 1, 2018
DO NOT SUBMIT PRIOR TO 30 DAYS BEFORE DUE DATE

Progress Report Form for 2018

As authorized in ORS 690-315-0050(6), this progress report is required in order to ensure diligence is exercised in the development and perfection of Permit G-13498. **FAILURE TO SUBMIT THIS REPORT WILL MOST LIKELY RESULT IN ANY FUTURE EXTENSION BEING DENIED.**

INSERT DATES	LIST ALL WORK ACCOMPLISHED and FINANCIAL INVESTMENTS For the period of time between October 1, 2013 and October 1, 2018	FINANCIAL INVESTMENT

2. Compliance with terms and conditions of the permit and/or previous extension.

3. Total number of acres irrigated to date= _____ *(if applicable)*

4. Provide the maximum rate, or duty if applicable, of water diverted for beneficial use under this permit, if any, made to date.

Maximum rate used to date = _____**cfs (cubic feet per second)**

Maximum rate used to date = _____**gpm (gallons per minute)**

Acre-feet stored to date = _____**AF**

Report the rate in the same units of measurement as specified in the permit, being cfs (cubic feet per second), gpm (gallons per minute) or AF (acre-feet). ***Do not provide daily, monthly or annual water volume totals.***

INCOMPLETE REORTS WILL BE RETURNED. AN ANSWER IS REQUIRED IN EACH ITEM. USE N/A FOR ITEM 3 IF THE USE IS NOT IRRIGATION.

Signature_____ **Date**_____

For OWRD use only

Diligence Shown ☐ Yes ☐ No Date Public Noticed: _____

Reviewed by: _____ Date: _____

Route Slip…..Extension of Time Progress Report

1. Extension Specialist: Progress Report Review

Date Report was Due: 10/1/2013 (= "Deadline Date" for the corresponding ECP work flow record in WRIS)

Date Report Received: 10/29/2013

Report Complete: ☒ YES

☐ NO – Send letter requesting missing information.
☐ letter mailed on: _____

2. Support Staff: Publish on the Department's Public Notice

☒**315** ☒ **320** OAR Division under which Progress Report was required

☒ Publish on Public Notice Date: 12/16/14

☒ Update workflow in WRIS

- (Fill in Extension Checkpoint 'Completed Date' in appropriate "ECP" work flow record and
- add record for Checkpoint Public Notice ("EPR" or "EP2")

☒ **Return file to** Machelle Bamberger.

3. Extension Specialist: Prepare Progress Report Confirmation Letter
See progress report procedures.doc (date / mail out after 30 day comment period)

Date Confirmation Letter Needed: 1/15/2015

☒ Update Progress Report Worksheet.xls

☐ Send to permit holder + anyone who made comments after 30 day public notice
CC: Watermaster _____

File _____

PUBLIC NOTICE INFORMATION

Permit Holder's Name: Bandon Dunes Limited Partnership Attn:

Application: G-13577

Permit: G-13498

County: Coos

Source: Fourteen wells in the Cut Creek Basin

Use: Commercial use, Domestic use serving 500 households, and irrigation and out of season irrigation of a total of 500 acres

TECHNICAL MEMORANDUM

Date:	October 18, 2013	**Project No.:**	133-92806
To:	Donald Stastny and Warren Felton Bandon Dunes Limited Partnership	**Company:**	Bandon Dunes Limited Partnership
From:	Ron Blegen, RG and David Banton, RG		
RE:	**2013 EXTENSION OF TIME PROGRESS REPORT** **BANDON DUNES LIMITED PARTNERSHIP WATER RIGHT PERMIT G-13498**		

This memorandum provides the 2013 5-year Progress Report (Report) required by the 2002 extension of time for Water Right Permit G-13498 held by the Bandon Dunes Limited Partnership (Bandon Dunes). A copy of the permit, permit extension, and associated transfer final orders is included in Appendix A. This Report is based on the report format provided by the Oregon Water Resources Department (OWRD) in 2008 in the absence of a permit-specific form for the 2013 reporting period, and is intended to be delivered to OWRD by the October 1, 2013 due date.

The information reported herein applies to work accomplished and finances invested between October 1, 2008 and October 1, 2013. The water use, pumping data, construction timeline, and financial commitment data is based on information provided to Golder Associates Inc. by Bandon Dunes. Additional water use information (e.g. annual reports) was obtained from OWRD.

1.0 WORK AND INVESTMENT SUMMARY

INSERT DATES	LIST ALL WORK ACCOMPLISHED and FINANCIAL INVESTMENTS for the period of time between October 1, 2008 and October 1, 2013	FINANCIAL INVESTMENT
10/1/2008 to 10/1/2009	Construction Activity: • Normal course and facility maintenance and small construction projects. Permit Activity: • Permit Amendment Application (T-10719) submitted to OWRD on October 28, 2008 requesting removal of two POA's and transfer of 206.35 acres of proposed irrigated acreage to locations further south.	(Information on financial investments in the water supply infrastructure is provided below in the table notes)
10/1/2009 to 10/1/2010	Construction Activity: • Normal course and facility maintenance and small construction projects.	

Golder Associates Inc.
1430 West Broadway Road, Suite 108
Tempe, AZ 85282 USA
Tel: 480-966-0153 Fax: 480-966-0193 www.golder.com

Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America

Golder, Golder Associates and the GA globe design are trademarks of Golder Associates Corporation

INSERT DATES	LIST ALL WORK ACCOMPLISHED and FINANCIAL INVESTMENTS for the period of time between October 1, 2008 and October 1, 2013	FINANCIAL INVESTMENT
	Permit Activity • Final Order for Permit Amendment T-10719 issued on January 22, 2010 (included in Appendix A). • 2008 Extension of Time Progress Report for Permit G-13498 submitted to OWRD. • Permit Amendment Application (T-11087) submitted to OWRD on June 8, 2010 requesting changes in POU to accommodate Preserve Course and to correct permit errors issued with T-10179. • Final Order for T-11087 issued by OWRD on August 13, 2010 (included in Appendix A).	
10/1/2010 to 10/1/2011	Construction Activity: • Construction of Preserve Course begins with simultaneous installation of the in-ground irrigation system.* • Normal course and facility maintenance and small construction projects. Permit Activity • None	
10/1/2011 to 10/1/2012	Construction Activity: • Bandon Preserve course opens May 1, 2012. • Normal course and facility maintenance and small construction projects. Permit Activity • None	
10/1/2012 to 10/1/2013	Construction Activity: • Construction of the Punchbowl putting course begins with simultaneous installation of the in-ground irrigation system. The Punchbowl course opened for public play on September 13, 2013. ** • Normal course and facility maintenance and small construction projects. Permit Activity • None	

Notes:

*The Preserve course irrigation system includes the following:
- 250 Rainbird® sprinklers
- 3,800 feet of 6-inch PVC
- 1,000 feet of 4-inch PVC
- 12,000 feet of 2-inch PVC

Approximate system cost = $300,000

** The Punchbowl putting course included the installation of the following:
- 32 Rainbird® sprinklers
- 800 feet of 4-inch PVC
- 3,000 feet of 2-inch PVC

Approximate irrigation system cost = $50,000

Current plans call for additional development between 2013 and 2020, but planning and scheduling for the full extent of the buildout has not been completed.

2.0 COMPLIANCE WITH TERMS AND CONDITIONS OF THE PERMIT

A copy of permit G13498, with numbered references to the key provisions of the permit, is attached as Appendix A. The following paragraphs provide a brief explanation of compliance activity by Bandon Dunes.

No. 1 – Source of Water:

The original permit allowed for appropriation of groundwater from six wells in the Cut Creek Basin. Amendment T-8661 (effective August 27, 2002) added six wells as authorized points of appropriation. Amendment T-9782 (effective October 9, 2006) added two more wells to bring the total number of authorized Points of Appropriation to 14 wells. During the 5-year reporting period ending October 1, 2013 Bandon Dunes drew water from 9 wells. One of these wells (L74686) has been designated for potable water use. Eight wells currently supply irrigation water to the golf courses, practice facilities, and resort landscaping. Table 1 provides a summary of the 9 wells currently in use under G-13498. Well locations 11 existing permitted wells are presented in Figure 1.

No. 2 – Purpose or Use:

The purpose or use for the appropriated water remains irrigation for up to 500 acres, commercial uses, and domestic use serving up to 500 households. Bandon Dunes has been progressing toward the total of 500 acres allowed for irrigation through the construction of new golf courses and practice facilities and irrigation of landscaped areas around resort structures. Construction of the Bandon Preserve course began in 2010 and opened for play in 2012. A putting course, known as the Punchbowl, was constructed in 2013. As of October 1, 2013 the total estimated irrigated acreage under permit G-13498 is approximately 310 acres. Bandon Dunes expects to continue building new facilities and the total irrigated acreage is expected to be between 480 and 500 acres by 2020.

The number of guest housing units is currently 186 units. It is estimated that the potable supply currently supports up to 430 guests and 350 full-time employees (increasing to 600 to 650 employees during the summer months). The number of guest and staff housing units is projected to grow steadily through 2020.

No. 3 – Maximum Rate:

The maximum rate of water usage does not exceed 3.09 cubic feet per second (cfs) (1,387 gallons per minute, gpm) for irrigation purposes, or 0.46 cfs (206 gpm) for domestic and commercial uses. Irrigation water use data between 2008 and 2013 is presented on Table 2 and Figure 2. In 2012, Bandon Dunes pumped 193 million gallons from its irrigation supply wells and distributed the water to up to 310 acres that includes three 18-hole courses, the Preserve 13-hole executive course, practice facilities, and landscaped areas near resort facilities. The maximum monthly average pumping rate for all the irritation wells during the 2012 and 2013 water years was 1,266 gpm (2.82 cfs) during August 2012 (Figure 3).

Potable water use has been growing since 2008, reaching a maximum of 20.2 million gallons in 2012 (Table 3, Figure 2). This translates to an average rate of use of 38 gpm, or 0.086 cfs. Wells designated for potable supply are pumped only long enough to fill water storage tanks.

Water use is monitored monthly at wellhead flow meters and reported annually to OWRD. Bandon Dunes will submit water use data for the 2013 water year to OWRD in late 2013. This report includes water use data provided by Bandon Dunes through May 2013.

No. 4 – Period of Use:

Water use for irrigation purposes takes place between March 1and October 31of each water year, with the majority of water pumped between May and September (Figure 3). Depending on weather conditions during the winter months some supplemental irrigation may take place between November and February as allowed under permit G-13498. Pumping from wells designated for commercial or domestic purposes is conducted on a year-round basis.

No. 5 – Amount of Use Allowed:

Water use for irrigation has not exceeded the limitations provided for under this section of Permit G-13498. By the end of the 2011-2012 irrigation season approximately 310 acres were under active irrigation. Under the terms of the permit, this translates to a maximum allowable application of 775 acre-ft, or approximately 253 million gallons, over the course of the irrigation season. Based on water use records collected by Bandon Dunes during the 2011-2012 water year, the total volume of groundwater appropriated for irrigation on lands permitted under G-13498 was 593 acre-ft (193 million gallons) (Table 2, Figure 2) and the maximum monthly average pumping rate was 1,266 gpm (2.82 cfs) (Figure 3).

No. 6 – Place of Use:

Since October 1, 2008, the place of use has been altered through permit amendments T-10719 (Final Order approved January 22, 2010) and T-11087 (Final Order approved August 13, 2010). The Final Order for each of these amendments is included in Appendix A. Amendment T-10719 shifted a substantial amount of irrigated acreage from the north end of the property to non-irrigated lands in the

southern half of the Bandon Dunes property. Amendment T-11087 resulted in smaller changes in the authorized place of use to accommodate construction of the Preserve golf course. Permit G-13498 allows for irrigation on up to 500 acres. At present the total acreage irrigated under G-13498 is estimated by Bandon Dunes to be 310 acres. Additional future facility upgrades are expected to increase the total irrigated acreage to near 500 acres.

No. 7 – Metering Requirements:

Meters have been installed at the wellhead of each irrigation and domestic well in active use at the property. Monthly meter readings are recorded and compiled by Bandon Dunes personnel and an annual water use report is submitted to OWRD at the end of each water year.

No. 8 – Watermaster Access:

The Watermaster has access to the wells and meters at any time.

No. 9 – Well Locations:

All irrigation and potable supply wells constructed since 2002 have been placed within the "Alternative Well Placement Areas" as demarcated in the EGR and Associates document of May 27, 1997, or placement has otherwise been approved by OWRD through permit amendment. A total of 14 wells are approved for use under permit G13498. The 9 wells that have been actively used as irrigation and potable supply wells during the 2008 to 2013 period are listed in Table 1. Well locations for 11 existing wells are depicted in Figure 1.

No. 10 – Well Construction Requirements:

All wells constructed by Bandon Dunes and in active use as irrigation or potable supply wells meet the minimum construction requirements established in the permit. There has been no new well construction associated with Permit G-13498 since October 1, 2008.

No. 11 – Substantial Interference with Other Rights:

There have been no known issues regarding interference with other water right holders in the vicinity.

No. 12 – Monitoring Plan:

Bandon Dunes submitted a monitoring plan to OWRD, which was accepted in 2001. Bandon Dunes has been monitoring groundwater levels and quality, and modifying water use in accordance with the plan since that time. Attached are examples of charts of groundwater level data compiled by Bandon Dunes staff on a monthly basis since 2002 (see Appendix B).

3.0 TOTAL NUMBER OF ACRES IRRIGATED TO DATE

Currently, there are 310 acres under irrigation as of the date of this report. This represents a reduction in the number of acres irrigated since 2008, primarily due to the changes in place of use authorized under permit amendments T-10719 and T-11087 (both approved in 2010).

4.0 PROVIDE THE MAXIMUM RATE, OR DUTY IF APPLICABLE, OF WATER DIVERTED FOR BENEFICIAL USE UNDER THIS PERMIT, IF ANY, TO DATE:

Maximum rate used to date = 3.25 cfs (cubic feet per second) in July 2010.

List of Tables

Table 1 Permit G-13498 Irrigation and Potable Supply Well Data
Table 2 Permit G-13498 Irrigation Water Use Summary
Table 3 Permit G-13498 Potable Water Use Summary

List of Figures

Figure 1 Bandon Dunes Water Right G-13498 2013 Extension of Time Progress Report
Figure 2 Permit G-13498 Annual Water Use, 2008 to 2013
Figure 3 Permit G-13498 Water Appropriated for Irrigation, Water Years 2012 and 2013

List of Appendices

Appendix A Permit G13498, Permit Extension, and Subsequent Amendment Final Orders
Appendix B Groundwater Level Data Compiled by Bandon Dunes Staff

TABLES

Table 1: Permit G-13498 Irrigation and Potable Supply Well Data

Well No.	Construction Date	Depth Drilled (feet)	Borehole Diameter (inches)	Screen Diameter (inches)	Screened Interval(s) (feet bgs)	Reported Production Rate (gpm)	Notes
L10847	7/17/1997	243	12.25	8	96 - 116	100	Bandon Dunes course irrigation well.
L10848	7/24/1997	185	12.25	8	148.5 - 168.5	170	Bandon Dunes course irrigation well.
L18620	6/29/1998	260	12.25	8	119 - 139	125	Bandon Dunes course irrigation well.
L34007	5/6/2000	200	12.25	8	111.25 - 129.25 134.6 - 141.6	160	Pacific Dunes course irrigation well.
L34008	5/16/2000	220	12.25	8	115.3 - 131.3	105	Pacific Dunes irrigation well.
L34018	11/12/2001	155	12.25	8	62.11 - 78.2	132	Pacific Dunes irrigation well.
L34030	6/27/2000	185	15	10	66.4 - 86.5	224	Pacific Dunes well.
L69436	9/15/2004	200	17.5	10	166 - 194.5	400	Trails course irrigation well
L75799	10/11/2005	125	17.5	10	109.5 - 119.5	100	Potable well. Rarely used.
L74686	7/16/2005	260	17.5	10	229.3 - 255.8	350	Primary potable well.

Notes:

bgs = below ground surface

gpm = gallons per minute

The table presents construction data for the irrigation and potable supply wells that are in active use at Bandon Dunes.

Irrigation well L91192 and potable supply well L44790, presented on Figure 1, are rarely used.

Table 2: Permit G-13498 Irrigation Water Use Summary

Water Year End	Total Appropriation	Total Appropriation for Irrigation			Acres Irrigated During Water Year	Volume of Water Applied per Acre of Land (Acre-Feet)
	Mgal	Gallons	Mgal	Acre-Feet		
2009	247	235,725,127	236	723.4	420	1.72
2010	153	144,953,626	145	444.8	302	1.47
2011	183	169,688,749	170	520.8	310	1.68
2012	213	193,177,477	193	592.8	310	1.91
2013	67	53,388,479	53	163.8	310	0.53
Permit G-13498 Allowance (full-build-out)					500	2.5

Notes:

Mgal = Million gallons

2013 data includes water use from October 2012 through May 2013.

Permit G13498 allows for the application of 2.5 acre-ft of water per irrigated acre in season.

2009 acreage matches acreage reported in 2008. T-10719, which shifted 206.35 acres to un-irrigated areas of the property, was approved in Jan-2010.

Irrigated acreage for water years 2010 is based on total 2013 acreage less the acreage represented by the Preserve course (8 acres). Irrigated acreage in 2011 and 2012 assumes full irrigation of the Preserve course acreage during the construction and grow-in period.

Sources: OWRD Web Site (Water Use Records)
Water use records supplied by Bandon Dunes

Table 3: Permit G-13498 Potable Water Use Summary

Water Year End	Total Appropriation for Potable Use (gallons)	Total Appropriation for Potable Use (Mgal)	Average Pumping Rate (gpm)	Average Pumping Rate (cfs)
2009	11,280,700	11.28	21	0.048
2010	8,514,200	8.51	16	0.036
2011	13,684,990	13.68	26	0.058
2012	20,182,833	20.18	38	0.086
2013	13,543,253	13.54	26	0.057
			Maximum rate per Permit G-13498:	0.46

Notes:

Mgal = Million gallons

gpm = gallons per minute

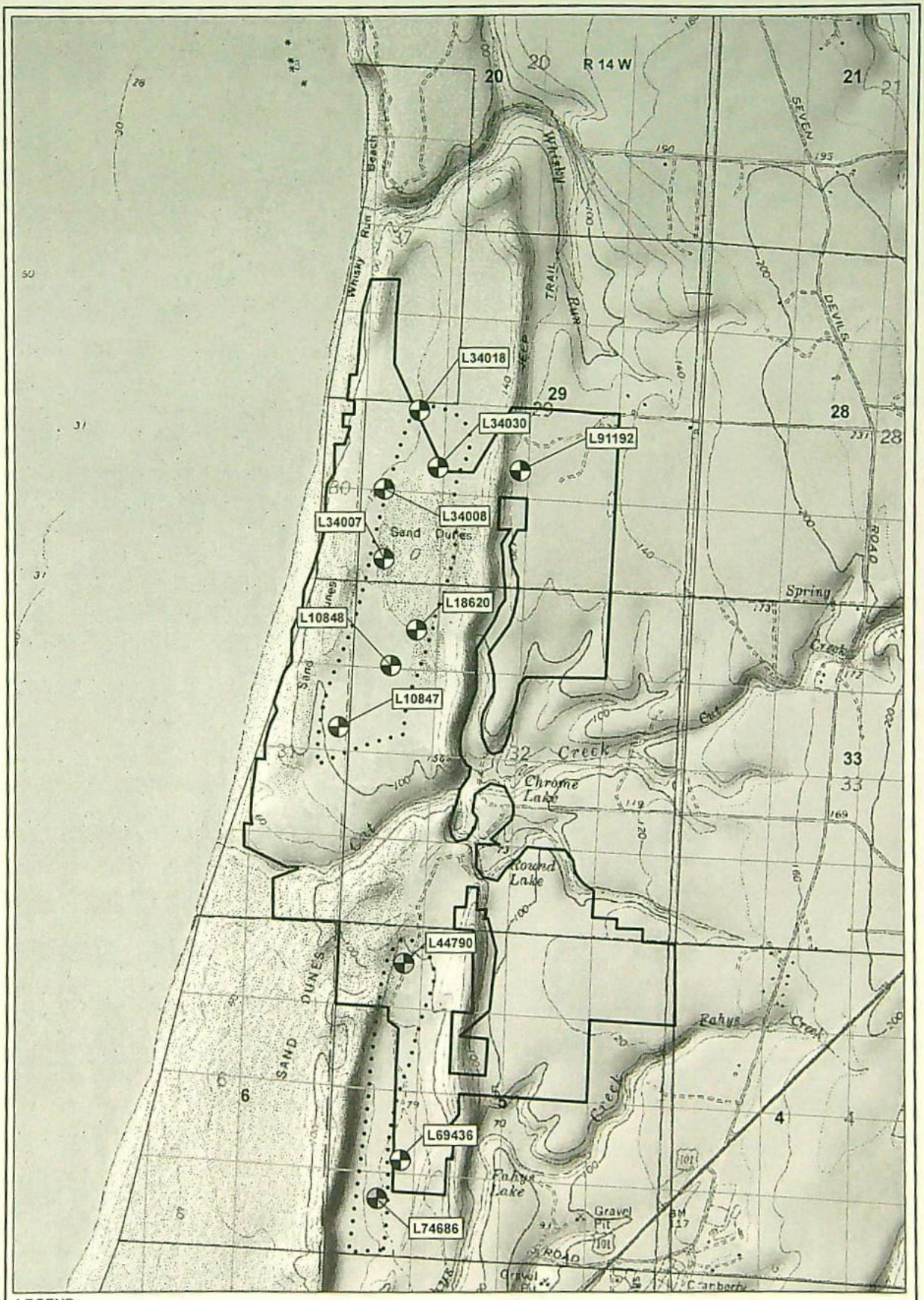
cfs = cubic feet per second

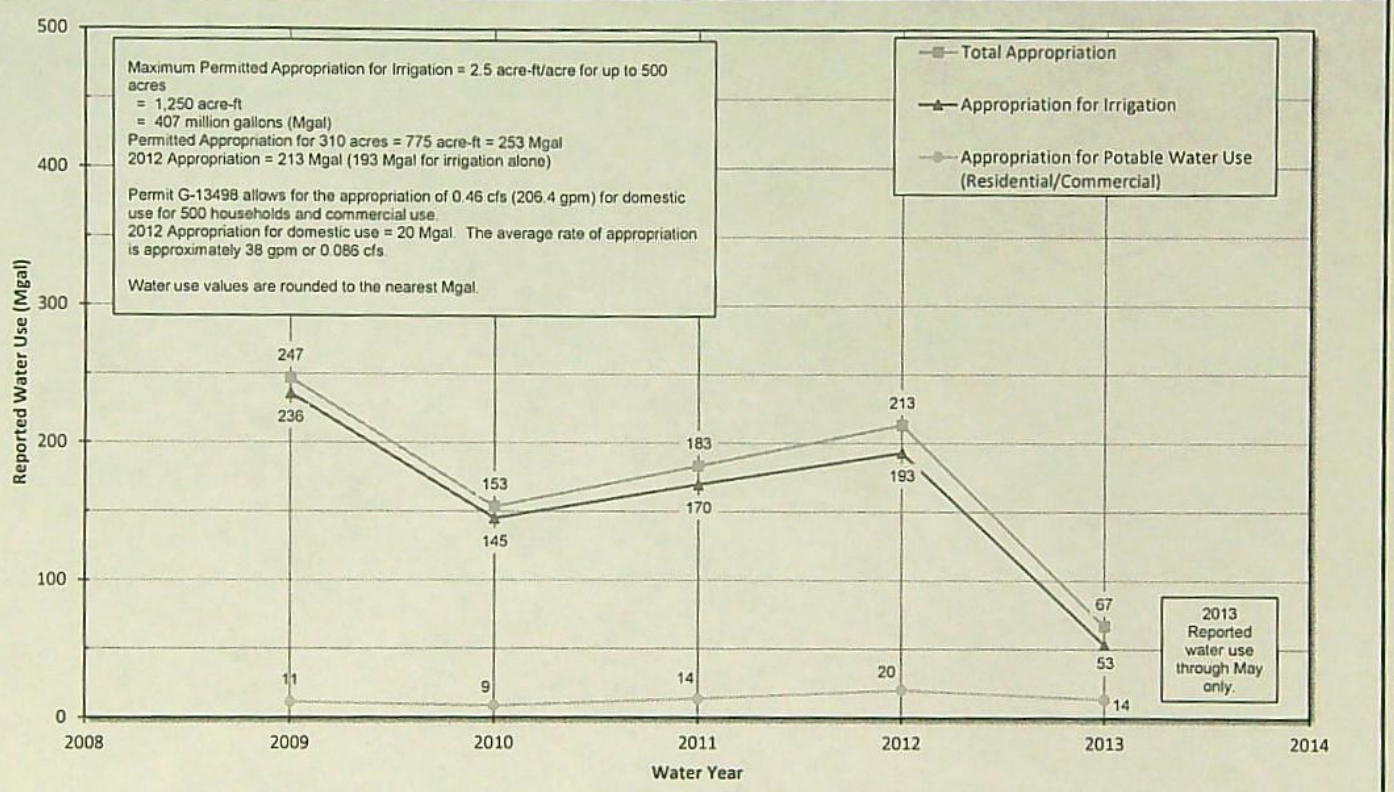
Potable water has been pumped from well L-74686.

Average pumping rate assumes year-round pumping.

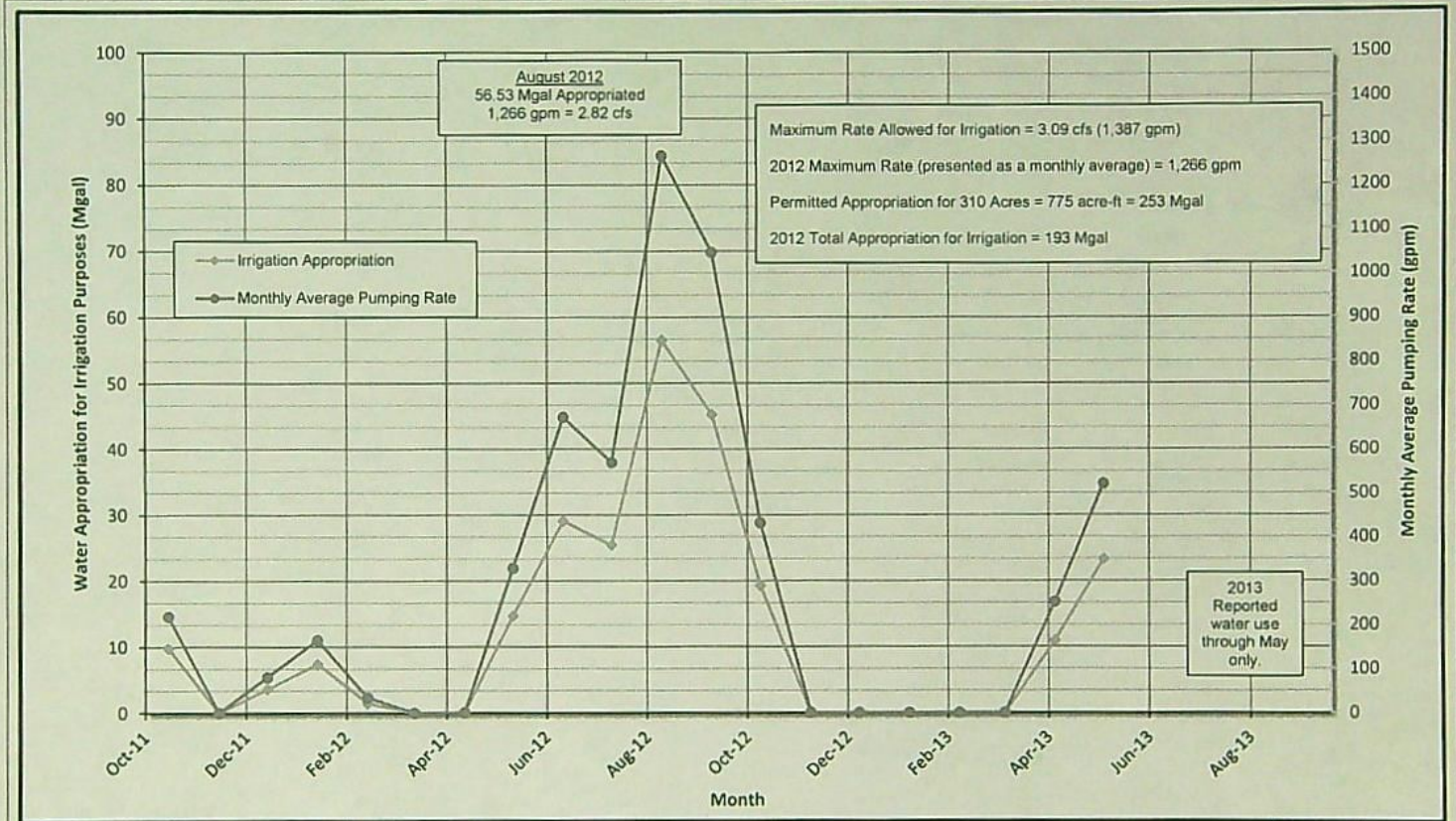
2013 data includes water use from October 2012 through May 2013.

FIGURES


R 14 W
20
21
29
28
30
31
32
33
6
5
4
L34018
L34030
L91192
L34008
L34007
L18620
L10848
L10847
L44790
L69436
L74686
Sand Dunes
Chrome Lake
Round Lake
Fahys Lake
Spring Creek
Fahys Creek
Gravel Pit
Cranberry
SAND DUNES
Whisky Run Beach
Whiskey Run
TRAIL Run
SEVEN DEVILS ROAD
ROAD
Out
LEGEND
Domestic Well
Irrigation Well
Permit G13498 Alternate Well
Placement Area (Approximate)
Authorized POU
0
1,320
Scale 1" = 1,320 Feet
Map Projection:
Oregon State Plane
South Zone, Nad 83, Feet
Source: USGS, Skinner & Assoc
Stuntzner Engineering
N
This figure was originally produced in color. Reproduction in black and white may result in a loss of information
BANDON DUNES WATER RIGHT G-13498
2013 Extension of Time Progress Report
BANDON DUNES/WATER SUPPLY EVAL/OR
Drawn: TH
Revision: 0
Date: Sep 24, 2013
Figure: 1
Golder Associates



Golder Associates	Title: Permit G-13498 Annual Water Use		Drawn: RPB
			Checked: CB
			Reviewed: DB
	Project Name: Bandon Dunes / 2013 On-Call and Reporting	Project No.: 133-92806	FIGURE 2
	Client Name: Bandon Dunes Limited Partnership	Date: October 18, 2013	



Golder Associates	Title: Permit G-13498 Water Appropriated for Irrigation, Water Years 2012 and 2013		Drawn: RPB
	Project Name: Bandon Dunes / 2013 On-Call and Reporting	Project No.: 133-92806	Checked: CB
	Client Name: Bandon Dunes Limited Partnership	Date: October 18, 2013	Reviewed: DB
			FIGURE 3

APPENDICES

APPENDIX A
PERMIT G13498, PERMIT EXTENSION, AND SUBSEQUENT AMENDMENT FINAL ORDERS

STATE OF OREGON

COUNTY OF Coos

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

BANDON DUNES LIMITED PARTNERSHIP
C/O HOWARD MCKEE
2130 LINCOLN PARK W. PHONE: (312) 281-0652
CHICAGO, IL 60614

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-13577

1 SOURCE OF WATER: SIX WELLS IN THE CUT CREEK BASIN

2 PURPOSE OR USE: COMMERCIAL USE, DOMESTIC USE SERVING 500.0 HOUSEHOLDS, AND IRRIGATION AND OUT-OF-SEASON IRRIGATION OF A TOTAL OF 500.0 ACRES

3 MAXIMUM RATE: 3.55 CUBIC FEET PER SECOND (CFS), BEING 0.46 CFS FOR DOMESTIC USE FOR 500 HOUSEHOLDS AND COMMERCIAL USE AND 3.09 CFS FOR IRRIGATION

4 PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31 FOR IRRIGATION USE; NOVEMBER 1 THROUGH THE MONTH OF FEBRUARY FOR OUT-OF-SEASON IRRIGATION; YEAR ROUND FOR COMMERCIAL USE AND DOMESTIC USE FOR 500 HOUSEHOLDS

DATE OF PRIORITY: DECEMBER 17, 1993

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, NW 1/4 NW 1/4, SW 1/4 NW 1/4, SECTION 32, T27S, R14W, W.M., NW 1/4 NW 1/4, SW 1/4 NW 1/4, SECTION 5, T28S, R14W, W.M.; **SCHUMANN WELL** - 417 FEET SOUTH AND 283 FEET WEST FROM N1/4 CORNER SECTION 32; **PW5** - 27 FEET NORTH AND 382 FEET WEST FROM NW1/16 CORNER, SECTION 32; **PW4** - 377 FEET NORTH AND 173 FEET EAST FROM W1/4 CORNER, SECTION 32; **WELL 1** - 641 FEET SOUTH AND 69 FEET WEST, **WELL 2** - 632 FEET SOUTH AND 254 FEET WEST BOTH FROM W1/16 CORNER, BETWEEN SECTION 5 AND 32; **WELL 3** - 61 FEET SOUTH AND 303 FEET WEST FROM NW1/16 CORNER, SECTION 5

5 The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out-of-season irrigation. The total amount diverted shall not exceed 2.5 acre-feet for each acre irrigated each year.

Pam - Amend.
T-28S / 14W / Sec. 5 Pour/Pipe

6 See T-11087 (attached) for the latest updated P.O.U.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NE 1/4 SW 1/4	39.1 ACRES		
NW 1/4 SW 1/4	40.0 ACRES		
SW 1/4 SW 1/4	40.0 ACRES		
SE 1/4 SW 1/4	38.4 ACRES		X
NW 1/4 SE 1/4	40.0 ACRES		
SW 1/4 SE 1/4	40.0 ACRES		
	SECTION 29		
NE 1/4 SE 1/4	12.0 ACRES		
SE 1/4 SE 1/4	18.0 ACRES		
	SECTION 30		
NE 1/4 NE 1/4	27.1 ACRES		
SE 1/4 NE 1/4	33.6 ACRES		
NE 1/4 SE 1/4	45.8 ACRES		
SE 1/4 SE 1/4	12.5 ACRES		
	SECTION 31		
NW 1/4 NE 1/4	40.0 ACRES		
NE 1/4 NW 1/4	34.8 ACRES		X
NW 1/4 NW 1/4	40.0 ACRES		
SW 1/4 NW 1/4	40.0 ACRES		
SE 1/4 NW 1/4	21.5 ACRES		X
NE 1/4 SW 1/4	22.3 ACRES		X
NW 1/4 SW 1/4	36.8 ACRES		X
SW 1/4 SW 1/4	5.0 ACRES		X
SE 1/4 SW 1/4	33.6 ACRES		X
NW 1/4 SE 1/4	0.5 ACRE		X
SW 1/4 SE 1/4	36.1 ACRES		
SE 1/4 SE 1/4	40.0 ACRES		
	SECTION 32		
	TOWNSHIP 27 SOUTH, RANGE 14 WEST, W.M.		
NE 1/4 NE 1/4	29.4 ACRES		
NW 1/4 NE 1/4	28.11 ACRES	0.29 ACRE	
SW 1/4 NE 1/4	39.85 ACRES	0.15 ACRE	
SE 1/4 NE 1/4	35.42 ACRES	0.38 ACRE	
NE 1/4 NW 1/4	19.3 ACRES		
NW 1/4 NW 1/4	6.5 ACRES		
SW 1/4 NW 1/4	10.8 ACRES		
SE 1/4 NW 1/4	32.1 ACRES		
NE 1/4 SW 1/4	21.8 ACRES		
NW 1/4 SW 1/4	9.0 ACRES		
SW 1/4 SW 1/4	10.0 ACRES		
SE 1/4 SW 1/4	17.0 ACRES		
NE 1/4 SE 1/4	9.3 ACRES		
NW 1/4 SE 1/4	18.0 ACRES		
	SECTION 5		
NW 1/4 NE 1/4			X
NE 1/4 NW 1/4			X
	SECTION 8		
	TOWNSHIP 28 SOUTH, RANGE 14 WEST, W.M.		

*Use of water for irrigation under this permit is limited to a development of a maximum of 500.0 acres of the potential 1024.5 acres identified in the description of the Place of Use above.

Measurement, recording and reporting conditions:

7 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.

8 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.

9 Production well locations shall be limited to the areas identified as "Alternative Well Placement Areas" in EGR and Associates document of May 27, 1997.

10 With the exception of the existing Schuman well (Coos 330), all wells used for water supply under this permit shall be constructed in a manner to case and seal off all water to a minimum depth of 80 feet below land surface.

Any future well drilling shall be coordinated with the Department for well location, well construction and the driller's collection of geologic samples.

11 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.

12 The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within **60 days** of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include: 1) a 5 year program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells; 2) measure specific conductance of

groundwater; 3) collect and report water use data; 4) outline a mitigation plan to address future groundwater interference with surface water and salt water encroachment. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 10 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 10-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

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 by May 28, 1999. Complete application of water to the use shall be made on or before October 1, 2002. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued October 7, 1998

Dwight Frank for

Martha O. Pagel, Director
Water Resources Department

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-13577

Final Order[1]
Extension of Time for Permit Number G-13498

Application History
On OCTOBER 7, 2002, BANDON DUNES LIMITED PARTNERSHIP submitted an application to the Department for an extension of time for permit number G-13498. The Department issued permit number G-13498 on OCTOBER 7, 1998. The permit called for complete application of water to the full beneficial use by OCTOBER 1, 2002. In accordance with OAR 690-315-0050(2), on JULY 29, 2003, the Department issued a Proposed Final Order proposing to extend the time to fully apply water to beneficial use to OCTOBER 1, 2022. The protest period closed SEPTEMBER 12, 2003, in accordance with OAR 690-315-0060(1). No protest was filed.

The applicant has demonstrated good cause for the permit extension pursuant to ORS 537.230, 537.248, 537.630, 539.010(5) and/or OAR 690-315-0040(2).

At time of issuance of the Proposed Final Order the Department concluded that, based on the factors demonstrated by the applicant, the permit may be extended subject to the following conditions:

CONDITIONS

In accordance with OAR 690-315-0050(6), the permittee must submit a written progress report to the Department by October 1, of the years 2008, 2013 and 2018. 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;

---

[1] ***Appeal Rights***
Under the provisions of ORS 536.075, 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. ORS 183.484.

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.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.

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 may jeopardize continued development under the permit.

The Department will take into consideration annual reports submitted under OAR Chapter 690, Division 86 or ORS 537.099, and any other report that demonstrates diligence.

Other reports, however, are not a substitute for the progress reports and anything submitted must clearly show that diligence towards perfecting the water right permit is being attempted.

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

a) request the permittee to submit additional information with which to evaluate diligence; or

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 any 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.

Order

The extension of time for Application Number G-13577, Permit Number G-13498, therefore, is approved. The deadline for applying water to full beneficial use is extended to OCTOBER 1, 2022.

DATED: October 2, 2003

Paul R. Cleary, Director

STATE OF OREGON

COUNTY OF COOS

**ORDER APPROVING A CHANGE IN PLACE OF USE,
A CHANGE IN POINT OF APPROPRIATION,
AND ADDITIONAL POINTS OF APPROPRIATION**

Pursuant to ORS 537.211, after notice was given, and finding that the proposed points of appropriation, as constructed, would not have the potential for interference with stream flow in Cut Creek, and also finding that no injury to existing water rights would result, this order approves, as conditioned or limited herein, PERMIT AMENDMENT T-8861 submitted by

BANDON DUNES LIMITED PARTNERSHIP C/O HOWARD McKEE
2130 LINCOLN PARK WEST
CHICAGO, ILLINOIS 60614.

The permit to be modified is Permit G-13498 with a date of priority of DECEMBER 17, 1993. The permit allows the use of FIVE WELLS, in the CUT CREEK BASIN, for COMMERCIAL USE, DOMESTIC USE SERVING 500 HOUSEHOLDS, AND IRRIGATION AND OUT-OF-SEASON IRRIGATION OF 500.0 ACRES. The amount of water to which this permit is entitled is limited to an amount actually beneficially used and shall not exceed 3.55 CUBIC FEET PER SECOND(CFS), BEING 0.46 CFS FOR DOMESTIC USE FOR 500 HOUSEHOLDS AND COMMERCIAL USE, AND 3.09 CFS FOR IRRIGATION, if available at the original wells; NE¼ NW¼, NW¼ NW¼, SW¼ NW¼, SECTION 32, T 27 S, R 14 W, W.M., NW¼ NW¼, AND SW¼ NW¼, SECTION 5, T 28 S, R 14 W, W.M.; SCHUMAN WELL - 417 FEET SOUTH AND 283 FEET WEST FROM THE N¼ CORNER OF SECTION 32; PW5 - 27 FEET NORTH AND 382 FEET WEST FROM THE NW 1/16 CORNER OF SECTION 32; PW4 - 377 FEET NORTH AND 173 FEET WEST

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2).

Pursuant to ORS 536.075 and OAR 137-004-080 and OAR 690-01-005 you may either petition for judicial review or petition the Director for reconsideration of this order.

FROM THE W¼ CORNER OF SECTION 32; WELL 1 - 641 FEET SOUTH AND 69 FEET WEST; WELL 2 - 632 FEET SOUTH AND 254 FEET WEST; BOTH FROM THE W 1/16 CORNER BETWEEN SECTIONS 5 AND 32; WELL 3 - 61 FEET SOUTH AND 303 FEET WEST FROM THE NW 1/16 CORNER OF SECTION 5, or its equivalent in case of rotation, measured at the well.

The amount of water used for irrigation, together with the amount secured under any other right existing on the same lands, is limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 2½ acre-feet per acre for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out of season irrigation. The total amount diverted shall not exceed 2½ acre-feet for each acre irrigated each year.

The use shall conform to any reasonable rotation system ordered by the proper state officer.

The authorized place of use is as follows:

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NE¼ SW¼	39.1 ACRES		
NW¼ SW¼	40.0 ACRES		
SW¼ SW¼	40.0 ACRES		
SE¼ SW¼	38.4 ACRES		X
NW¼ SE¼	40.0 ACRES		
SW¼ SE¼	40.0 ACRES		
	SECTION 29		
NE¼ SE¼	12.0 ACRES		
SE¼ SE¼	18.0 ACRES		
	SECTION 30		
NE¼ NE¼	27.1 ACRES		
SE¼ NE¼	33.6 ACRES		
NE¼ SE¼	45.8 ACRES		
SE¼ SE¼	12.5 ACRES		
	SECTION 31		

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NW¼ NE¼	40.0 ACRES		
NE¼ NW¼	34.8 ACRES		X
NW¼ NW¼	40.0 ACRES		
SW¼ NW¼	40.0 ACRES		
SE¼ NW¼	21.5 ACRES		X
NE¼ SW¼	22.3 ACRES		X
NW¼ SW¼	36.8 ACRES		X
SW¼ SW¼	5.0 ACRES		X
SE¼ SW¼	33.6 ACRES		X
NW¼ SE¼	0.5 ACRE		X
SW¼ SE¼	36.1 ACRES		
SE¼ SE¼	40.0 ACRES		

SECTION 32

TOWNSHIP 27 SOUTH, RANGE 14 WEST, W.M.

NE¼ NE¼	29.4 ACRES		
NW¼ NE¼	28.11 ACRES	0.29 ACRE	
SW¼ NE¼	39.85 ACRES	0.15 ACRE	
SE¼ NE¼	35.42 ACRES	0.38 ACRE	
NE¼ NW¼	19.3 ACRES		
NW¼ NW¼	6.5 ACRES		
SW¼ NW¼	10.8 ACRES		
SE¼ NW¼	32.1 ACRES		
NE¼ SW¼	21.8 ACRES		
NW¼ SW¼	9.0 ACRE		
SW¼ SW¼	10.0 ACRES		
SE¼ SW¼	17.0 ACRES		
NE¼ SE¼	9.3 ACRES		
NW¼ SE¼	18.0 ACRES		

SECTION 5

NW¼ NE¼			X
NE¼ NW¼			X

SECTION 8

TOWNSHIP 28 SOUTH, RANGE 14 WEST, W.M.

"*" Use of water for irrigation under this permit is limited to a development of a maximum of 500.0 acres of the potential 1024.5 acres identified in the description of the place of use above.

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

The applicant proposes to change the place of use to:

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
• NE¼ SW¼	8.4 ACRES		
• SW¼ SW¼	15.0 ACRES		
• SE¼ SW¼	38.2 ACRES		
	SECTION 20		
• NE¼ NW¼	40.0 ACRES		
• NW¼ NW¼	38.8 ACRES		
• SW¼ NW¼	40.0 ACRES		
• SE¼ NW¼	40.0 ACRES		
• NE¼ SW¼	28.6 ACRES		
NW¼ SW¼	40.0 ACRES		
SW¼ SW¼	40.0 ACRES		
• SE¼ SW¼	33.8 ACRES		X
• SW¼ SE¼	27.8 ACRES		
	SECTION 29		
• NE¼ NE¼	2.5 ACRES		
• SE¼ NE¼	7.9 ACRES		
NE¼ SE¼	12.0 ACRES		
SE¼ SE¼	18.0 ACRES		
	SECTION 30		
NE¼ NE¼	27.1 ACRES		
SE¼ NE¼	33.6 ACRES		
NE¼ SE¼	45.8 ACRES		
SE¼ SE¼	12.5 ACRES		
	SECTION 31		

		IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
	NW¼ NE¼	40.0 ACRES		
	NE¼ NW¼	34.8 ACRES		X
	NW¼ NW¼	40.0 ACRES		
	SW¼ NW¼	40.0 ACRES		
	SE¼ NW¼	21.5 ACRES		X
	NE¼ SW¼	22.3 ACRES		X
	NW¼ SW¼	36.8 ACRES		X
•	SW¼ SW¼			X
•	SE¼ SW¼	12.5 ACRES		X
	NW¼ SE¼	0.5 ACRE		X
	SW¼ SE¼	36.1 ACRES		

SECTION 32

TOWNSHIP 27 SOUTH, RANGE 14 WEST, W.M.

	NE¼ NE¼	29.4 ACRES		
	NW¼ NE¼	28.11 ACRES	0.29 ACRE	
	SW¼ NE¼	39.85 ACRES	0.15 ACRE	
	SE¼ NE¼	35.42 ACRES	0.38 ACRE	
•	NE¼ NW¼	9.3 ACRES		
•	SE¼ NW¼	13.6 ACRES		
•	NE¼ SW¼	6.2 ACRES		
	NE¼ SE¼	9.3 ACRES		
	NW¼ SE¼	18.0 ACRES		

SECTION 5

	NW¼ NE¼			X
	NE¼ NW¼			X

SECTION 8

TOWNSHIP 28 SOUTH, RANGE 14 WEST, W.M.

"*" Use of water for irrigation under this permit is limited to a development of a maximum of 500.0 acres of the potential 1024.5 acres identified in the description of the place of use above.

"•" Place of use involved in the change.

The applicant proposes to change the point of appropriation of the Schuman Well to:

NEW SCHUMAN WELL - NW¼ SE¼, SECTION 29, T 27 S, R 14 W, W.M.; 1549 FEET NORTH AND 2756 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

The applicant proposes additional points of appropriation located:

WELL L34030 - NE¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 1674 FEET NORTH AND 1451 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL L34018 - NW¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 2515 FEET NORTH AND 1169 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL L34008 - NW¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 1354 FEET NORTH AND 646 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL L34007 - SW¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 325 FEET NORTH AND 638 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL PW6 - NW¼ NW¼, SECTION 32, T 27 S, R 14 W, W.M.; 733 FEET SOUTH AND 1130 FEET EAST FROM THE NW CORNER OF SECTION 32.

WELL L44790 - NW¼ NW¼, SECTION 5, T 28 S, R 14 W, W.M.; 432 FEET SOUTH AND 254 FEET WEST FROM THE W 1/16 CORNER BETWEEN SECTIONS 5 AND 32.

Water Right Permit G-13498 contains a well construction condition that limits all ground water withdrawals, with the exception of the Schuman Well, to ground water deeper than 80 feet below land surface. The intent of this permit condition was to prevent the withdrawal of shallow ground water that could interfere with stream flow in Cut Creek.

Two of the proposed additional wells, L34018 and L34030, are sealed to depths of 18 and 40 feet below land surface, respectively. The Ground Water Section has found that these wells, because of their distance from Cut Creek, would not have

any potential for interference with the creek.

THESE CHANGES TO AN EXISTING WATER PERMIT MAY BE MADE PROVIDED THE FOLLOWING CONDITIONS ARE MET BY THE WATER USER:

1. The quantity of water diverted at the new points of appropriation (wells), together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

2. The water user shall install and maintain headgates, in-line flow meters, weirs, or other suitable devices for measuring and recording the quantity of water diverted. The type and plans of the headgates and measuring devices must be approved by the Department prior to beginning construction and shall be installed under the general supervision of the Department.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

4. The former place of use shall no longer be irrigated as a part of this water right.

5. All other terms and conditions of the permit remain the same.

Permit G-13498, in the name of BANDON DUNES LIMITED PARTNERSHIP is amended as described herein.

WITNESS the signature of the Water Resources Director, affixed AUG 27 2002.

for Paul R. Cleary, Director

STATE OF OREGON

COUNTY OF COOS

ORDER APPROVING A CHANGE IN PLACE OF USE

Pursuant to ORS 537.211, after notice was given and finding that no injury to existing water rights would result, this order approves, as conditioned or limited herein, PERMIT AMENDMENT T-9647 submitted by

BANDON DUNES LIMITED PARTNERSHIP C/O HOWARD McKEE
2130 LINCOLN PARK WEST
CHICAGO, ILLINOIS 60614.

The permit to be modified is Permit G-13498 with a date of priority of DECEMBER 17, 1993. The permit allows the use of TWELVE WELLS, in the CUT CREEK BASIN, for COMMERCIAL USE, DOMESTIC USE SERVING 500 HOUSEHOLDS, AND IRRIGATION AND OUT-OF-SEASON IRRIGATION OF A TOTAL OF 500.0 ACRES. The amount of water to which this permit is entitled is limited to an amount actually beneficially used and shall not exceed 3.55 CUBIC FEET PER SECOND(CFS), BEING 0.46 CFS FOR DOMESTIC USE FOR 500 HOUSEHOLDS AND COMMERCIAL USE, AND 3.09 CFS FOR IRRIGATION, if available at the authorized wells:

PW5 - NW¼ NW¼, SECTION 32, T 27 S, R 14 W, W.M.; 27 FEET NORTH AND 382 FEET WEST FROM THE NW 1/16 CORNER OF SECTION 32.

PW4 - SW¼ NW¼, SECTION 32, T 27 S, R 14 W, W.M.; 377 FEET NORTH AND 173 FEET EAST FROM THE W¼ CORNER OF SECTION 32.

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2).

Pursuant to ORS 536.075 and OAR 137-004-080 and OAR 690-01-005 you may either petition for judicial review or petition the Director for reconsideration of this order.

WELL 1 - NW¼ NW¼, SECTION 5, T 28 S, R 14 W, W.M.; 641 FEET SOUTH AND 69 FEET WEST FROM THE W 1/16 CORNER BETWEEN SECTIONS 5 AND 32.

WELL 2 - NW¼ NW¼, SECTION 5, T 28 S, R 14 W, W.M.; 632 FEET SOUTH AND 254 FEET WEST FROM THE W 1/16 CORNER BETWEEN SECTIONS 5 AND 32.

WELL 3 - SW¼ NW¼, SECTION 5, T 28 S, R 14 W, W.M.; 61 FEET SOUTH AND 303 FEET WEST FROM THE NW 1/16 CORNER OF SECTION 5.

NEW SCHUMAN WELL - NW¼ SE¼, SECTION 29, T 27 S, R 14 W, W.M.; 1549 FEET NORTH AND 2756 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL L34030 - NE¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 1674 FEET NORTH AND 1451 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL L34018 - NW¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 2515 FEET NORTH AND 1169 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL L34008 - NW¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 1354 FEET NORTH AND 646 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL L34007 - SW¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 325 FEET NORTH AND 638 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL PW6 - NW¼ NW¼, SECTION 32, T 27 S, R 14 W, W.M.; 733 FEET SOUTH AND 1130 FEET EAST FROM THE NW CORNER OF SECTION 32.

WELL L44790 - NW¼ NW¼, SECTION 5, T 28 S, R 14 W, W.M.; 432 FEET SOUTH AND 254 FEET WEST FROM THE W 1/16 CORNER BETWEEN SECTIONS 5 AND 32.

, or its equivalent in case of rotation, measured at the well.

The amount of water used for irrigation, together with the amount secured under any other right existing on the same lands, is limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 2½ acre-feet per acre for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out of season irrigation. The total amount diverted shall not exceed 2½ acre-feet for each acre irrigated each year.

The use shall conform to any reasonable rotation system ordered by the proper state officer.

The authorized place of use is as follows:

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NE¼ SW¼	8.40 ACRES		
SW¼ SW¼	15.00 ACRES		
SE¼ SW¼	38.20 ACRES		
	SECTION 20		
NE¼ NW¼	40.00 ACRES		
NW¼ NW¼	38.80 ACRES		
SW¼ NW¼	40.00 ACRES		
SE¼ NW¼	40.00 ACRES		
NE¼ SW¼	28.60 ACRES		
NW¼ SW¼	40.00 ACRES		
SW¼ SW¼	40.00 ACRES		
SE¼ SW¼	33.80 ACRES		X
SW¼ SE¼	27.80 ACRES		
	SECTION 29		
NE¼ NE¼	2.50 ACRES		
SE¼ NE¼	7.90 ACRES		
NE¼ SE¼	12.00 ACRES		
SE¼ SE¼	18.00 ACRES		
	SECTION 30		
NE¼ NE¼	27.10 ACRES		
SE¼ NE¼	33.60 ACRES		
NE¼ SE¼	45.80 ACRES		
SE¼ SE¼	12.50 ACRES		
	SECTION 31		

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NW¼ NE¼	40.00 ACRES		
NE¼ NW¼	34.80 ACRES		X
NW¼ NW¼	40.00 ACRES		
SW¼ NW¼	40.00 ACRES		
SE¼ NW¼	21.50 ACRES		X
NE¼ SW¼	22.30 ACRES		X
NW¼ SW¼	36.80 ACRES		X
SW¼ SW¼			X
SE¼ SW¼	12.50 ACRES		X
NW¼ SE¼	0.50 ACRE		X
SW¼ SE¼	36.10 ACRES		

SECTION 32

TOWNSHIP 27 SOUTH, RANGE 14 WEST, W.M.

NE¼ NE¼	29.40 ACRES		
NW¼ NE¼	28.11 ACRES	0.29 ACRE	
SW¼ NE¼	39.85 ACRES	0.15 ACRE	
SE¼ NE¼	35.42 ACRES	0.38 ACRE	
NE¼ NW¼	9.30 ACRES		
SE¼ NW¼	13.60 ACRES		
NE¼ SW¼	6.20 ACRES		
NE¼ SE¼	9.30 ACRES		
NW¼ SE¼	18.00 ACRES		

SECTION 5

NW¼ NE¼			X
NE¼ NW¼			X

SECTION 8

TOWNSHIP 28 SOUTH, RANGE 14 WEST, W.M.

"*" Use of water for irrigation under this permit is limited to a development of a maximum of 500.0 acres of the potential 1024.5 acres identified in the description of the place of use above.

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

The applicant proposes to change the place of use to:

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NE¼ SW¼	8.40 ACRES		
SW¼ SW¼	15.00 ACRES		
SE¼ SW¼	38.20 ACRES		
	SECTION 20		
NE¼ NW¼	40.00 ACRES		
NW¼ NW¼	38.80 ACRES		
SW¼ NW¼	40.00 ACRES		
SE¼ NW¼	40.00 ACRES		
NE¼ SW¼	28.60 ACRES		
NW¼ SW¼	40.00 ACRES		
SW¼ SW¼	40.00 ACRES		
SE¼ SW¼	33.80 ACRES		X
SW¼ SE¼	27.80 ACRES		
	SECTION 29		
NE¼ NE¼	2.50 ACRES		
SE¼ NE¼	7.90 ACRES		
NE¼ SE¼	12.00 ACRES		
SE¼ SE¼	18.00 ACRES		
	SECTION 30		
NE¼ NE¼	27.10 ACRES		
SE¼ NE¼	33.60 ACRES		
NE¼ SE¼	45.80 ACRES		
SE¼ SE¼	12.50 ACRES		
	SECTION 31		

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NW¼ NE¼	40.00 ACRES		
NE¼ NW¼	34.80 ACRES		X
NW¼ NW¼	40.00 ACRES		
SW¼ NW¼	40.00 ACRES		
SE¼ NW¼	21.50 ACRES		X
NE¼ SW¼	22.30 ACRES		X
NW¼ SW¼	36.80 ACRES		X
•SW¼ SW¼	21.50 ACRES		X
•SE¼ SW¼	18.75 ACRES		X
NW¼ SE¼	0.50 ACRE		X
•SW¼ SE¼	32.67 ACRES		
•SE¼ SE¼	10.00 ACRES		

SECTION 32

TOWNSHIP 27 SOUTH, RANGE 14 WEST, W.M.

•NE¼ NE¼	4.40 ACRES		
•NW¼ NE¼	20.46 ACRES	0.29 ACRE	
•SW¼ NE¼	17.00 ACRES	0.15 ACRE	
•SE¼ NE¼		0.38 ACRE	
•NE¼ NW¼	30.00 ACRES		
•NW¼ NW¼	22.00 ACRES		
•SW¼ NW¼	9.00 ACRES		
•SE¼ NW¼	31.00 ACRES		
•NE¼ SW¼	17.00 ACRES		
•NW¼ SW¼	2.00 ACRES		
•SE¼ SW¼	2.00 ACRES		

SECTION 5

NW¼ NE¼			X
NE¼ NW¼			X

SECTION 8

TOWNSHIP 28 SOUTH, RANGE 14 WEST, W.M.

"*" Use of water for irrigation under this permit is limited to a development of a maximum of 500.0 acres of the potential 1024.5 acres identified in the description of the place of use above.

"•" Place of use involved in the change.

THIS CHANGE TO AN EXISTING WATER PERMIT MAY BE MADE PROVIDED THE FOLLOWING CONDITIONS ARE MET BY THE WATER USER:

1. The former place of use shall no longer be irrigated as a part of this water right.

2. All other terms and conditions of the permit remain the same.

Permit G-13498, in the name of BANDON DUNES LIMITED PARTNERSHIP is amended as described herein.

WITNESS the signature of the Water Resources Director, affixed MAR 2 6 2004.

for Paul R. Cleary, Director

BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Permit Amendment T-9782, Coos County	)	**FINAL ORDER**
	)	APPROVING ADDITIONAL POINTS
	)	OF APPROPRIATION

ORS 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

Bandon Dunes Limited Partnership
c/o Howard McKee
2130 Lincoln Park West
Chicago, Illinois 60614

Findings of Fact

1. On September 15, 2004, Bandon Dunes Limited Partnership filed an application for additional points of appropriation under Permit G-13498. The Department assigned the application number T-9782.

2. On August 2, 2006, the agent representing the applicant withdrew two of the proposed additional points of appropriation (Wells L66586 and L66587) from the permit amendment application.

3. The permit to be amended is as follows:

Permit:	G-13498, in the name of Bandon Dunes Limited Partnership (as previously amended by T-8861, Special Order Vol. 56, Page 907 and T-9647, Special Order Vol. 59, Page 435)
Use:	Commercial use, domestic use serving 500 households, and irrigation and out-of-season irrigation of a total of 500.0 acres
Priority Date:	December 17, 1993
Quantity:	3.55 cubic feet per second (cfs); being 0.46 cfs for domestic use for 500 households and commercial use, and 3.09 cfs for irrigation.
Rate/Duty:	The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its

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

equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out-of-season irrigation. The total amount diverted shall not exceed 2.5 acre-feet for each acre irrigated each year

Acres: 500 acres

Source: Twelve Wells, in the Cut Creek Basin

Date Of Complete Application of Water: October 1, 2022

Authorized Points of Appropriation:

Township		Range		Meridian	Sec	¼ ¼		Location
27	S	14	W	W.M.	29	NE	SW	Well L34030 – 1674 feet North and 1451 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34008 – 1354 feet North and 646 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34018 – 2515 feet North and 1169 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	SW	SW	Well L34007 – 325 feet North and 638 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SE	New Schuman Well – 1549 feet North and 2756 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	32	NW	NW	PW5 – 27 feet North and 382 feet West from the NW 1/16 Corner of Section 32.
27	S	14	W	W.M.	32	NW	NW	PW6 – 733 feet South and 1130 feet East from the NW Corner of Section 32.
27	S	14	W	W.M.	32	SW	NW	PW4 – 377 feet North and 173 feet East from the W¼ Corner of Section 32.
28	S	14	W	W.M.	5	NW	NW	Well 1 – 641 feet South and 69 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well 2 – 632 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well L44790 – 432 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	SW	NW	Well 3 – 61 feet South and 303 feet West from the NW 1/16 Corner of Section 5.

Authorized Place of Use:

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
27	S	14	W	W.M.	20	NE	SW	8.40
27	S	14	W	W.M.	20	SW	SW	15.00
27	S	14	W	W.M.	20	SE	SW	38.20
27	S	14	W	W.M.	29	NE	NW	40.00
27	S	14	W	W.M.	29	NW	NW	38.80
27	S	14	W	W.M.	29	SW	NW	40.00
27	S	14	W	W.M.	29	SE	NW	40.00
27	S	14	W	W.M.	29	NE	SW	28.60
27	S	14	W	W.M.	29	NW	SW	40.00
27	S	14	W	W.M.	29	SW	SW	40.00
27	S	14	W	W.M.	29	SE	SW	33.80
27	S	14	W	W.M.	29	SW	SE	27.80
27	S	14	W	W.M.	30	NE	NE	2.50
27	S	14	W	W.M.	30	SE	NE	7.90
27	S	14	W	W.M.	30	NE	SE	12.00
27	S	14	W	W.M.	30	SE	SE	18.00
27	S	14	W	W.M.	31	NE	NE	27.10
27	S	14	W	W.M.	31	SE	NE	33.60
27	S	14	W	W.M.	31	NE	SE	45.80
27	S	14	W	W.M.	31	SE	SE	12.50
27	S	14	W	W.M.	32	NW	NE	40.00
27	S	14	W	W.M.	32	NE	NW	34.80
27	S	14	W	W.M.	32	NW	NW	40.00
27	S	14	W	W.M.	32	SW	NW	40.00
27	S	14	W	W.M.	32	SE	NW	21.50
27	S	14	W	W.M.	32	NE	SW	22.30
27	S	14	W	W.M.	32	NW	SW	36.80
27	S	14	W	W.M.	32	SW	SW	21.50
27	S	14	W	W.M.	32	SE	SW	18.75
27	S	14	W	W.M.	32	NW	SE	0.50
27	S	14	W	W.M.	32	SW	SE	32.67
27	S	14	W	W.M.	32	SE	SE	10.00
28	S	14	W	W.M.	5	NE	NE	4.40
28	S	14	W	W.M.	5	NW	NE	20.46
28	S	14	W	W.M.	5	SW	NE	17.00

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
28	S	14	W	W.M.	5	NE	NW	30.00
28	S	14	W	W.M.	5	NW	NW	22.00
28	S	14	W	W.M.	5	SW	NW	9.00
28	S	14	W	W.M.	5	SE	NW	31.00
28	S	14	W	W.M.	5	NE	SW	17.00
28	S	14	W	W.M.	5	NW	SW	2.00
28	S	14	W	W.M.	5	SE	SW	2.00

SUPPLEMENTAL IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
28	S	14	W	W.M.	5	NW	NE	0.29
28	S	14	W	W.M.	5	SW	NE	0.15
28	S	14	W	W.M.	5	SE	NE	0.38

COMMERCIAL							
Township		Range		Meridian	Sec	¼	¼
27	S	14	W	W.M.	29	SE	SW
27	S	14	W	W.M.	32	NE	NW
27	S	14	W	W.M.	32	SE	NW
27	S	14	W	W.M.	32	NE	SW
27	S	14	W	W.M.	32	NW	SW
27	S	14	W	W.M.	32	SW	SW
27	S	14	W	W.M.	32	SE	SW
27	S	14	W	W.M.	32	NW	SE
28	S	14	W	W.M.	8	NW	NE
28	S	14	W	W.M.	8	NE	NW

4. Application T-9782 proposes additional points of appropriation located:

Township		Range		Meridian	Sec	¼ ¼		Location
28	S	14	W	W.M.	5	NW	SW	Well L69436 – South 232.30° West 5222.22 feet from the NE Corner of Section 5.
28	S	14	W	W.M.	5	SW	SW	Well L74686 – South 230.04° West 5851.13 feet from the NE Corner of Section 5.

5. Use of water for irrigation under this permit is limited to a development of a maximum of 500.00 acres of the potential 1024.5 acres identified in the description of the place of use above.

6. Notice of the application for the permit amendment was published in the Department's weekly notice on October 12, 2004, and in the Bandon Western World Newspaper on August 31, September 7, and September 14, 2006, pursuant to ORS 540.520(5). No comments were filed in response to the notices.

7. The change would not result in injury to other water rights.

8. The change does not enlarge the permit.

9. The change does alter other terms of the permit.

Conclusions of Law

The additional points of appropriation proposed by Permit Amendment Application T-9782 are consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

1. The combined quantity of water diverted at the new points of appropriation (wells), together with that diverted at the old points of appropriation, shall not exceed the maximum rate and duty allowed under Permit G-13498.

2. Prior to water use from the proposed point of appropriation, 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, and 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.

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.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

4. All other terms and conditions of Permit G-13498 remain the same.

5. Permit G-13498, in the name of Bandon Dunes Limited Partnership, is amended as described herein.

Dated at Salem, Oregon this 27th day of September, 2006.

Debbie Colbert

Phillip C. Ward, PCW
Director

Mailing Date: OCT 0 9 2006

BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Permit Amendment T-10476, Coos County	)	**FINAL ORDER**
	)	APPROVING A CHANGE IN PLACE
	)	OF USE AND ADDITIONAL POINTS
	)	OF APPROPRIATION

Authority

ORS 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

Bandon Dunes Limited Partnership
2130 Lincoln Park North
Chicago, Illinois 60614

Findings of Fact

1. On October 19, 2007, Bandon Dunes Limited Partnership filed an application for a change in place of use and additional points of appropriation under Permit G-13498. The Department assigned the application number T-10476.

2. On April 10, 2008, the application was amended to change the location of proposed well 2007B within the SW¼ SW¼, Section 5, T 28 S, R 14 W, W.M.

3. The permit to be amended is as follows:

Permit:	G-13498, in the name of Bandon Dunes Limited Partnership (as previously amended by T-8861, Special Order Vol. 56, Page 907; T-9647, Special Order Vol. 59, Page 435; T-9782, Special Order Vol. 70, Page 285)
Use:	Commercial use, domestic use serving 500 households, and irrigation and out-of-season irrigation of a total of 500.0 acres
Priority Date:	December 17, 1993
Quantity:	3.55 cubic feet per second (cfs); being 0.46 cfs for domestic use for 500 households and commercial use, and 3.09 cfs for irrigation.

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

Rate/Duty: The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out-of-season irrigation. The total amount diverted shall not exceed 2.5 acre-feet for each acre irrigated each year

Acres: 500 acres

Source: Fourteen Wells, in the Cut Creek Basin

Date of complete application of water: October 1, 2022

Authorized Points of Appropriation:

Township		Range		Meridian	Sec	¼	¼	Location
27	S	14	W	W.M.	29	NE	SW	Well L34030 – 1674 feet North and 1451 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34008 – 1354 feet North and 646 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34018 – 2515 feet North and 1169 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	SW	SW	Well L34007 – 325 feet North and 638 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SE	New Schuman Well – 1549 feet North and 2756 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	32	NW	NW	PW5 – 27 feet North and 382 feet West from the NW 1/16 Corner of Section 32.
27	S	14	W	W.M.	32	NW	NW	PW6 – 733 feet South and 1130 feet East from the NW Corner of Section 32.
27	S	14	W	W.M.	32	SW	NW	PW4 – 377 feet North and 173 feet East from the W¼ Corner of Section 32.
28	S	14	W	W.M.	5	NW	NW	Well 1 – 641 feet South and 69 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well 2 – 632 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well L44790 – 432 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	SW	NW	Well 3 – 61 feet South and 303 feet West from the NW 1/16 Corner of Section 5.
28	S	14	W	W.M.	5	NW	SW	Well L69436 – South 232.30° West 5222.22 feet from the NE Corner of Section 5.
28	S	14	W	W.M.	5	SW	SW	Well L74686 – South 230.04° West 5851.13 feet from the NE Corner of Section 5.

Authorized Place of Use:

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
27	S	14	W	W.M.	20	NE	SW	8.40
27	S	14	W	W.M.	20	SW	SW	15.00
27	S	14	W	W.M.	20	SE	SW	38.20
27	S	14	W	W.M.	29	NE	NW	40.00
27	S	14	W	W.M.	29	NW	NW	38.80
27	S	14	W	W.M.	29	SW	NW	40.00
27	S	14	W	W.M.	29	SE	NW	40.00
27	S	14	W	W.M.	29	NE	SW	28.60
27	S	14	W	W.M.	29	NW	SW	40.00
27	S	14	W	W.M.	29	SW	SW	40.00
27	S	14	W	W.M.	29	SE	SW	33.80
27	S	14	W	W.M.	29	SW	SE	27.80
27	S	14	W	W.M.	30	NE	NE	2.50
27	S	14	W	W.M.	30	SE	NE	7.90
27	S	14	W	W.M.	30	NE	SE	12.00
27	S	14	W	W.M.	30	SE	SE	18.00
27	S	14	W	W.M.	31	NE	NE	27.10
27	S	14	W	W.M.	31	SE	NE	33.60
27	S	14	W	W.M.	31	NE	SE	45.80
27	S	14	W	W.M.	31	SE	SE	12.50
27	S	14	W	W.M.	32	NW	NE	40.00
27	S	14	W	W.M.	32	NE	NW	34.80
27	S	14	W	W.M.	32	NW	NW	40.00
27	S	14	W	W.M.	32	SW	NW	40.00
27	S	14	W	W.M.	32	SE	NW	21.50
27	S	14	W	W.M.	32	NE	SW	22.30
27	S	14	W	W.M.	32	NW	SW	36.80
27	S	14	W	W.M.	32	SW	SW	21.50
27	S	14	W	W.M.	32	SE	SW	18.75
27	S	14	W	W.M.	32	NW	SE	0.50
27	S	14	W	W.M.	32	SW	SE	32.67
27	S	14	W	W.M.	32	SE	SE	10.00
28	S	14	W	W.M.	5	NE	NE	4.40
28	S	14	W	W.M.	5	NW	NE	20.46
28	S	14	W	W.M.	5	SW	NE	17.00
28	S	14	W	W.M.	5	NE	NW	30.00

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
28	S	14	W	W.M.	5	NW	NW	22.00
28	S	14	W	W.M.	5	SW	NW	9.00
28	S	14	W	W.M.	5	SE	NW	31.00
28	S	14	W	W.M.	5	NE	SW	17.00
28	S	14	W	W.M.	5	NW	SW	2.00
28	S	14	W	W.M.	5	SE	SW	2.00

SUPPLEMENTAL IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
28	S	14	W	W.M.	5	NW	NE	0.29
28	S	14	W	W.M.	5	SW	NE	0.15
28	S	14	W	W.M.	5	SE	NE	0.38

COMMERCIAL							
Township		Range		Meridian	Sec	¼	¼
27	S	14	W	W.M.	29	SE	SW
27	S	14	W	W.M.	32	NE	NW
27	S	14	W	W.M.	32	SE	NW
27	S	14	W	W.M.	32	NE	SW
27	S	14	W	W.M.	32	NW	SW
27	S	14	W	W.M.	32	SW	SW
27	S	14	W	W.M.	32	SE	SW
27	S	14	W	W.M.	32	NW	SE
28	S	14	W	W.M.	8	NW	NE
28	S	14	W	W.M.	8	NE	NW

4. Application T-10476 proposes to change the place of use of the permit to:

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
27	**S**	**14**	**W**	**W.M.**	**20**	**SE**	**SW**	**13.20**
27	**S**	**14**	**W**	**W.M.**	**20**	**SW**	**SE**	**4.72**
27	**S**	**14**	**W**	**W.M.**	**29**	**NW**	**NE**	**19.97**
27	**S**	**14**	**W**	**W.M.**	**29**	**SW**	**NE**	**28.00**
27	S	14	W	W.M.	29	NE	NW	40.00
27	**S**	**14**	**W**	**W.M.**	**29**	**NW**	**NW**	**22.40**
27	S	14	W	W.M.	29	SW	NW	40.00
27	**S**	**14**	**W**	**W.M.**	**29**	**SE**	**NW**	**33.90**

IRRIGATION							
Township		Range		Meridian	Sec	¼ ¼	Acres
27	S	14	W	W.M.	29	NE SW	20.40
27	S	14	W	W.M.	29	NW SW	40.00
27	S	14	W	W.M.	29	SW SW	40.00
27	S	14	W	W.M.	29	SE SW	31.30
27	S	14	W	W.M.	29	SW SE	36.70
27	S	14	W	W.M.	30	NE NE	2.50
27	S	14	W	W.M.	30	SE NE	8.35
27	S	14	W	W.M.	30	NE SE	13.10
27	S	14	W	W.M.	30	SE SE	18.00
27	S	14	W	W.M.	31	NE NE	27.10
27	S	14	W	W.M.	31	SE NE	34.10
27	S	14	W	W.M.	31	NE SE	49.20
27	S	14	W	W.M.	31	NW SE	0.40
27	S	14	W	W.M.	31	SW SE	0.40
27	S	14	W	W.M.	31	SE SE	17.60
27	S	14	W	W.M.	32	NW NE	40.00
27	S	14	W	W.M.	32	NE NW	34.80
27	S	14	W	W.M.	32	NW NW	40.00
27	S	14	W	W.M.	32	SW NW	40.00
27	S	14	W	W.M.	32	SE NW	21.50
27	S	14	W	W.M.	32	NE SW	22.30
27	S	14	W	W.M.	32	NW SW	36.80
27	S	14	W	W.M.	32	SW SW	23.70
27	S	14	W	W.M.	32	SE SW	19.05
27	S	14	W	W.M.	32	NW SE	0.50
27	S	14	W	W.M.	32	SW SE	32.67
27	S	14	W	W.M.	32	SE SE	5.20
28	S	14	W	W.M.	5	NE NE	8.45
28	S	14	W	W.M.	5	NW NE	23.46
28	S	14	W	W.M.	5	SW NE	17.00
28	S	14	W	W.M.	5	NE NW	30.00
28	S	14	W	W.M.	5	NW NW	22.00
28	S	14	W	W.M.	5	SW NW	9.25
28	S	14	W	W.M.	5	SE NW	33.10
28	S	14	W	W.M.	5	NE SW	17.56
28	S	14	W	W.M.	5	NW SW	3.00
28	S	14	W	W.M.	5	SE SW	2.00

SUPPLEMENTAL IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
28	S	14	W	W.M.	5	NW	NE	0.29
28	S	14	W	W.M.	5	SW	NE	0.15
28	S	14	W	W.M.	5	SE	NE	0.38

COMMERCIAL							
Township		Range		Meridian	Sec	¼	¼
27	S	14	W	W.M.	29	SE	SW
27	S	14	W	W.M.	32	NE	NW
27	S	14	W	W.M.	32	SE	NW
27	S	14	W	W.M.	32	NE	SW
27	S	14	W	W.M.	32	NW	SW
27	S	14	W	W.M.	32	SW	SW
27	S	14	W	W.M.	32	SE	SW
27	S	14	W	W.M.	32	NW	SE
28	S	14	W	W.M.	**8**	NW	NE
28	S	14	W	W.M.	**8**	NE	NW

The changed place of use is in bold type.

5. Application T-10476 proposes two additional points of appropriation located:

Township		Range		Meridian	Sec	¼	¼	Location
28	S	14	W	W.M.	5	SW	NW	Well 2007A – 95 feet North and 715 feet East from the W¼ Corner of Section 5.
28	S	14	W	W.M.	5	SW	SW	Well 2007B – Latitude: 43° 10' 07.0" North, Longitude: 124° 23' 32.3" West

6. Use of water for irrigation under this permit is limited to a development of a maximum of 500.00 acres of the potential 1024.5 acres identified in the description of the place of use above.

7. Notice of the application for the permit amendment was published in the Department's weekly notice on October 30, 2007, and in The World newspaper on January 24, 31, and February 7, 2008, pursuant to ORS 540.520(5). No comments were filed in response to the notices.

8. The change would not result in injury to other water rights.

9. The proposed place of use is owned and/or controlled by the permit holder.

10. The change does not enlarge the permit.

11. The change does not alter any other terms of the permit.

12. The proposed place of use is contiguous to the authorized place of use.

Conclusions of Law

The change in place of use and additional points of appropriation proposed by Permit Amendment Application T-10476 are consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

1. The combined quantity of water diverted at the new points of appropriation (wells), together with that diverted at the old points of appropriation, shall not exceed the maximum rate and duty allowed under Permit G-13498.

2. Prior to water use from the proposed point of appropriation, 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, and 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.

   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.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

4. The former place of use shall no longer be irrigated as part of this water right.

5. All other terms and conditions of Permit G-13498 remain the same.

6. Permit G-13498, in the name of Bandon Dunes Limited Partnership, is amended as described herein.

Dated at Salem, Oregon this 14th day of April, 2008.

Phillip C. Ward,
Director

Mailing Date: APR 25 2008

BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Permit Amendment T-10719, Coos County	)	**FINAL ORDER**
	)	APPROVING A CHANGE IN PLACE
	)	OF USE AND A CHANGE IN POINT
	)	OF APPROPRIATION

Authority

ORS 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

Bandon Dunes Limited Partnership
2130 Lincoln Park North
Chicago, IL 60614

Findings of Fact

Background

1. On October 28, 2008, Bandon Dunes Limited Partnership filed an application to change the place of use and to replace the New Schuman Well with Well L91192 under Permit G-13498. The Department assigned the application number T-10719.

2. On February 6, 2008, the applicant's agent, Ron Blegen of Golder Associates Inc., requested that Well 2007A be withdrawn from Permit G-13498.

3. The permit to be amended is as follows:

Permit:	G-13498 in the name of Bandon Dunes Limited Partnership
Use:	Commercial use, domestic use serving 500.0 households, and irrigation and out-of-season irrigation of a total of 500.0 acres
Priority Date:	December 17, 1993
Quantity:	3.55 cubic feet per second (cfs), being 0.46 cfs for domestic use for 500 households and commercial use and 3.09 for irrigation.
Rate/Duty:	The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for

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

out-of-season irrigation. The total amount diverted shall not exceed 2.5 acre-feet for each acre irrigated each year

Period of Use: March 1 through October 31 for irrigation use; November 1 through the month of February for out-of-season irrigation; year round for commercial use and domestic use for 500 households

Source: 16 wells, in the Cut Creek Basin

Authorized Points of Appropriation:

Township		Range		Meridian	Sec	¼ ¼		Measured Distances
27	S	14	W	W.M.	29	NE	SW	Well L34030 – 1674 feet North and 1451 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34008 – 1354 feet North and 646 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34018 – 2515 feet North and 1169 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	SW	SW	Well L34007 – 325 feet North and 638 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SE	New Schuman Well – 1549 feet North and 2756 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	32	NW	NW	PW5 – 27 feet North and 382 feet West from the NW 1/16 Corner of Section 32.
27	S	14	W	W.M.	32	NW	NW	PW6 – 733 feet South and 1130 feet East from the NW Corner of Section 32.
27	S	14	W	W.M.	32	SW	NW	PW4 – 377 feet North and 173 feet East from the W¼ Corner of Section 32.
28	S	14	W	W.M.	5	NW	NW	Well 1 – 641 feet South and 69 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well 2 – 632 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well L44790 – 432 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	SW	NW	Well 3 – 61 feet South and 303 feet West from the NW 1/16 Corner of Section 5.
28	S	14	W	W.M.	5	SW	NW	Well 2007A – 95 feet North and 715 feet East from the W¼ Corner of Section 5.
28	S	14	W	W.M.	5	NW	SW	Well L69436 – South 232.30° West 5222.22 feet from the NE Corner of Section 5.
28	S	14	W	W.M.	5	SW	SW	Well L74686 – South 230.04° West 5851.13 feet from the NE Corner of Section 5.
28	S	14	W	W.M.	5	SW	SW	Well 2007B – Latitude: 43° 10' 07.0" North, Longitude: 124° 23' 32.3" West

Authorized Place of Use:

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
27	S	14	W	W.M.	20	SE	SW	13.20
27	S	14	W	W.M.	20	SW	SE	4.72
27	S	14	W	W.M.	29	NW	NE	19.97
27	S	14	W	W.M.	29	SW	NE	28.00
27	S	14	W	W.M.	29	NE	NW	40.00
27	S	14	W	W.M.	29	NW	NW	22.40
27	S	14	W	W.M.	29	SW	NW	40.00
27	S	14	W	W.M.	29	SE	NW	33.90
27	S	14	W	W.M.	29	NE	SW	20.40
27	S	14	W	W.M.	29	NW	SW	40.00
27	S	14	W	W.M.	29	SW	SW	40.00
27	S	14	W	W.M.	29	SE	SW	31.30
27	S	14	W	W.M.	29	SW	SE	36.70
27	S	14	W	W.M.	30	NE	NE	2.50
27	S	14	W	W.M.	30	SE	NE	8.35
27	S	14	W	W.M.	30	NE	SE	13.10
27	S	14	W	W.M.	30	SE	SE	18.00
27	S	14	W	W.M.	31	NE	NE	27.10
27	S	14	W	W.M.	31	SE	NE	34.10
27	S	14	W	W.M.	31	NE	SE	49.20
27	S	14	W	W.M.	31	NW	SE	0.40
27	S	14	W	W.M.	31	SW	SE	0.40
27	S	14	W	W.M.	31	SE	SE	17.60
27	S	14	W	W.M.	32	NW	NE	40.00
27	S	14	W	W.M.	32	NE	NW	34.80
27	S	14	W	W.M.	32	NW	NW	40.00
27	S	14	W	W.M.	32	SW	NW	40.00
27	S	14	W	W.M.	32	SE	NW	21.50
27	S	14	W	W.M.	32	NE	SW	22.30
27	S	14	W	W.M.	32	NW	SW	36.80
27	S	14	W	W.M.	32	SW	SW	23.70
27	S	14	W	W.M.	32	SE	SW	19.05
27	S	14	W	W.M.	32	NW	SE	0.50
27	S	14	W	W.M.	32	SW	SE	32.67
27	S	14	W	W.M.	32	SE	SE	5.20
28	S	14	W	W.M.	5	NE	NE	8.45

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
28	S	14	W	W.M.	5	NW	NE	23.46
28	S	14	W	W.M.	5	SW	NE	17.00
28	S	14	W	W.M.	5	NE	NW	30.00
28	S	14	W	W.M.	5	NW	NW	22.00
28	S	14	W	W.M.	5	SW	NW	9.25
28	S	14	W	W.M.	5	SE	NW	33.10
28	S	14	W	W.M.	5	NE	SW	17.56
28	S	14	W	W.M.	5	NW	SW	3.00
28	S	14	W	W.M.	5	SE	SW	2.00

SUPPLEMENTAL IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
28	S	14	W	W.M.	5	NW	NE	0.29
28	S	14	W	W.M.	5	SW	NE	0.15
28	S	14	W	W.M.	5	SE	NE	0.38

COMMERCIAL							
Township		Range		Meridian	Sec	¼	¼
27	S	14	W	W.M.	29	SE	SW
27	S	14	W	W.M.	32	NE	NW
27	S	14	W	W.M.	32	SE	NW
27	S	14	W	W.M.	32	NE	SW
27	S	14	W	W.M.	32	NW	SW
27	S	14	W	W.M.	32	SW	SW
27	S	14	W	W.M.	32	SE	SW
27	S	14	W	W.M.	32	NW	SE
28	S	14	W	W.M.	8	NW	NE
28	S	14	W	W.M.	8	NE	NW

4. Permit Amendment Application T-10719 proposes to change the place of use of the permit to:

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
27	S	14	W	W.M.	20	NE	SW	6.10
27	S	14	W	W.M.	20	SW	SW	10.80
27	S	14	W	W.M.	20	SE	SW	17.60
27	S	14	W	W.M.	20	NW	SE	1.00
27	S	14	W	W.M.	20	SW	SE	8.30
27	S	14	W	W.M.	29	NW	NW	13.66
27	S	14	W	W.M.	29	SW	NW	18.90
27	S	14	W	W.M.	29	SE	NW	6.10
27	S	14	W	W.M.	29	NE	SW	18.40
27	S	14	W	W.M.	29	NW	SW	33.40
27	S	14	W	W.M.	29	SW	SW	40.00
27	S	14	W	W.M.	29	SE	SW	31.30
27	S	14	W	W.M.	29	NW	SE	40.00
27	S	14	W	W.M.	29	SW	SE	4.30
27	S	14	W	W.M.	30	NE	NE	2.50
27	S	14	W	W.M.	30	SE	NE	8.35
27	S	14	W	W.M.	30	NE	SE	13.10
27	S	14	W	W.M.	30	SE	SE	18.00
27	S	14	W	W.M.	31	NE	NE	27.10
27	S	14	W	W.M.	31	SE	NE	34.10
27	S	14	W	W.M.	31	NE	SE	49.20
27	S	14	W	W.M.	31	NW	SE	0.40
27	S	14	W	W.M.	31	SW	SE	0.40
27	S	14	W	W.M.	31	SE	SE	17.60
27	S	14	W	W.M.	32	NW	NE	40.00
27	S	14	W	W.M.	32	NE	NW	34.80
27	S	14	W	W.M.	32	NW	NW	40.00
27	S	14	W	W.M.	32	SW	NW	40.00
27	S	14	W	W.M.	32	SE	NW	21.50
27	S	14	W	W.M.	32	NE	SW	22.30
27	S	14	W	W.M.	32	NW	SW	36.80
27	S	14	W	W.M.	32	SW	SW	23.70
27	S	14	W	W.M.	32	SE	SW	19.05
27	S	14	W	W.M.	32	NW	SE	0.50
27	S	14	W	W.M.	32	SW	SE	32.67

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
27	S	14	W	W.M.	32	SE	SE	5.20
28	**S**	**14**	**W**	**W.M.**	**5**	**NE**	**NE**	**40.00**
28	**S**	**14**	**W**	**W.M.**	**5**	**NW**	**NE**	**40.00**
28	**S**	**14**	**W**	**W.M.**	**5**	**SW**	**NE**	**20.50**
28	S	14	W	W.M.	5	NE	NW	30.00
28	S	14	W	W.M.	5	NW	NW	22.00
28	**S**	**14**	**W**	**W.M.**	**5**	**SW**	**NW**	**1.50**
28	S	14	W	W.M.	5	SE	NW	33.10
28	S	14	W	W.M.	5	NE	SW	17.56
28	**S**	**14**	**W**	**W.M.**	**5**	**NW**	**SW**	**6.60**
28	**S**	**14**	**W**	**W.M.**	**5**	**SW**	**SW**	**2.00**
28	**S**	**14**	**W**	**W.M.**	**5**	**SE**	**SW**	**1.40**

SUPPLEMENTAL IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
28	S	14	W	W.M.	5	NW	NE	0.29
28	S	14	W	W.M.	5	SW	NE	0.15
28	S	14	W	W.M.	5	SE	NE	0.38

COMMERCIAL							
Township		Range		Meridian	Sec	¼	¼
27	S	14	W	W.M.	29	SE	SW
27	S	14	W	W.M.	32	NE	NW
27	S	14	W	W.M.	32	SE	NW
27	S	14	W	W.M.	32	NE	SW
27	S	14	W	W.M.	32	NW	SW
27	S	14	W	W.M.	32	SW	SW
27	S	14	W	W.M.	32	SE	SW
27	S	14	W	W.M.	32	NW	SE
28	S	14	W	W.M.	8	NW	NE
28	S	14	W	W.M.	8	NE	NW

The change place of use is in bold type.

5. The permittee has requested to remove Wells 2007A, 2007B, and the New Schuman Well (COOS 330) from Permit G-13498. Well L91192, located approximately 5 feet away from the New Schuman Well, will replace the New Schuman Well. The revised authorized points of appropriation are as follows:

Township		Range		Meridian	Sec	¼ ¼		Measured Distances
27	S	14	W	W.M.	29	NE	SW	Well L34030 – 1674 feet North and 1451 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34008 – 1354 feet North and 646 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34018 – 2515 feet North and 1169 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	SW	SW	Well L34007 – 325 feet North and 638 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SE	Well L91192 – Latitude: 43°12'03" North, Longitude: 124°23'09" West
27	S	14	W	W.M.	32	NW	NW	PW5 – 27 feet North and 382 feet West from the NW 1/16 Corner of Section 32.
27	S	14	W	W.M.	32	NW	NW	PW6 – 733 feet South and 1130 feet East from the NW Corner of Section 32.
27	S	14	W	W.M.	32	SW	NW	PW4 – 377 feet North and 173 feet East from the W¼ Corner of Section 32.
28	S	14	W	W.M.	5	NW	NW	Well 1 – 641 feet South and 69 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well 2 – 632 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well L44790 – 432 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	SW	NW	Well 3 – 61 feet South and 303 feet West from the NW 1/16 Corner of Section 5.
28	S	14	W	W.M.	5	NW	SW	Well L69436 – South 232.30° West 5222.22 feet from the NE Corner of Section 5.
28	S	14	W	W.M.	5	SW	SW	Well L74686 – South 230.04° West 5851.13 feet from the NE Corner of Section 5.

6. Notice of the application for the permit amendment was published in the Department's weekly notice on December 2, 2008 pursuant to ORS 540.520(5). No comments were filed in response to the notice.

Permit Amendment Review Criteria

7. The changes would not result in injury to other water rights.

8. The proposed place of use is owned and/or controlled by the permit holder.

9. The changes do not enlarge the permit.

10. The changes do not alter any other terms of the permit.

11. The proposed place of use is contiguous to the authorized place of use.

Conclusions of Law

The change in place of use proposed by Permit Amendment Application T-10719 is consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

The change and subsequent use of water shall be subject to the following conditions:

1. The former place of use shall no longer be irrigated as part of this permit.

2. The quantity of water diverted at the new point of appropriation (Well L91192) shall not exceed the quantity of water lawfully available at the original point of appropriation (New Schuman Well (COOS 330).

3. Water shall be acquired from the same aquifer as the original point of appropriation (New Schuman Well (COOS 330).

4. All other terms and conditions of Permit G-13498 remain the same.

5. Permit G-13498, in the name of Bandon Dunes Limited Partnership, is amended as described herein.

Dated at Salem, Oregon this 21st day of January, 2009.

William E. Farber

Phillip C. Ward,
for Director

Mailing Date: JAN 22 2010

BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Permit Amendment T-11087, Coos County	)	**FINAL ORDER**
	)	APPROVING A CHANGE IN PLACE
	)	OF USE

Authority

ORS 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

Bandon Dunes Limited Partnership
C/O Donald J. Stastny
StastnyBrun Architects Inc.
1630 SW Morrison Suite 210
Portland OR 97205

Findings of Fact

Background

1. On June 8, 2010, Bandon Dunes Limited Partnership filed an application to change in place of use under Permit G-13498. The Department assigned the application number T-11087.

2. The permit to be amended is as follows:

Permit:	G-13498, in the name of Bandon Dunes Limited Partnership (as previously amended by T-8861, Special Order Vol. 56, Page 907; T-9647, Special Order Vol. 59, Page 435; T-9782, Special Order Vol. 70, Page 285; T-10476, Special Order Vol. 74, Page 681; T-10719, Special Order Vol. 80, Page 59)
Use:	Commercial use, domestic use serving 500 households, and irrigation and out-of-season irrigation of a total of 500.0 acres.
Priority Date:	December 17, 1993
Quantity:	3.55 cubic feet per second (cfs); being 0.46 cfs for domestic use for 500 households and commercial use, and 3.09 cfs for irrigation.

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

Rate/Duty: The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out-of-season irrigation. The total amount diverted shall not exceed 2.5 acre-feet for each acre irrigated each year.

Period of Use: March 1 through October 31 for irrigation use; November 1 through the month of February for out-of-season irrigation; year round for commercial use and domestic use for 500 households

Sources: Fourteen wells within the Cut Creek Basin

Authorized Points of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
27 S	14 W	WM	29	NE SW	Well L34030 – 1674 feet North and 1451 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27 S	14 W	WM	29	NW SW	Well L34008 – 1354 feet North and 646 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27 S	14 W	WM	29	NW SW	Well L34018 – 2515 feet North and 1169 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27 S	14 W	WM	29	SW SW	Well L34007 – 325 feet North and 638 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27 S	14 W	WM	29	NW SE	Well L91192 – Latitude: 43°12'03" North, Longitude: 124°23'09" West
27 S	14 W	WM	32	NW NW	PW5 – 27 feet North and 382 feet West from the NW 1/16 Corner of Section 32.
27 S	14 W	WM	32	NW NW	PW6 – 733 feet South and 1130 feet East from the NW Corner of Section 32.
27 S	14 W	WM	32	SW NW	PW4 – 377 feet North and 173 feet East from the W¼ Corner of Section 32.
28 S	14 W	WM	5	NW NW	Well 1 – 641 feet South and 69 feet West from the W 1/16 Corner between Sections 5 and 32.
28 S	14 W	WM	5	NW NW	Well 2 – 632 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28 S	14 W	WM	5	NW NW	Well L44790 – 432 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28 S	14 W	WM	5	SW NW	Well 3 – 61 feet South and 303 feet West from the NW 1/16 Corner of Section 5.
28 S	14 W	WM	5	NW SW	Well L69436 – South 232.30° West 5222.22 feet from the NE Corner of Section 5.
28 S	14 W	WM	5	SW SW	Well L74686 – South 230.04° West 5851.13 feet from the NE Corner of Section 5.

Authorized Place of Use:

COMMERCIAL				
Twp	Rng	Mer	Sec	Q-Q
27 S	14 W	WM	29	SE SW
27 S	14 W	WM	32	NE NW
27 S	14 W	WM	32	SE NW
27 S	14 W	WM	32	NE SW
27 S	14 W	WM	32	NW SW
27 S	14 W	WM	32	SW SW
27 S	14 W	WM	32	SE SW
27 S	14 W	WM	32	NW SE
28 S	14 W	WM	8	NW NE
28 S	14 W	WM	8	NE NW

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
27 S	14 W	WM	20	NE SW	6.10
27 S	14 W	WM	20	SW SW	10.80
27 S	14 W	WM	20	SE SW	17.60
27 S	14 W	WM	20	NW SE	1.00
27 S	14 W	WM	20	SW SE	8.30
27 S	14 W	WM	29	NW NW	15.50
27 S	14 W	WM	29	SW NW	18.90
27 S	14 W	WM	29	SE NW	6.10
27 S	14 W	WM	29	NE SW	20.50
27 S	14 W	WM	29	NW SW	33.40
27 S	14 W	WM	29	SW SW	40.00
27 S	14 W	WM	29	SE SW	31.30
27 S	14 W	WM	29	NW SE	40.00
27 S	14 W	WM	29	SW SE	41.00
27 S	14 W	WM	30	NE NE	2.50
27 S	14 W	WM	30	SE NE	8.35
27 S	14 W	WM	30	NE SE	13.10
27 S	14 W	WM	30	SE SE	18.00
27 S	14 W	WM	31	NE NE	27.10
27 S	14 W	WM	31	SE NE	34.10
27 S	14 W	WM	31	NE SE	49.20
27 S	14 W	WM	31	NW SE	0.40
27 S	14 W	WM	31	SW SE	0.40
27 S	14 W	WM	31	SE SE	17.60
27 S	14 W	WM	32	NW NE	40.00
27 S	14 W	WM	32	NE NW	34.80
27 S	14 W	WM	32	NW NW	40.00
27 S	14 W	WM	32	SW NW	40.00
27 S	14 W	WM	32	SE NW	21.50
27 S	14 W	WM	32	NE SW	22.30
27 S	14 W	WM	32	NW SW	36.80
27 S	14 W	WM	32	SW SW	23.70
27 S	14 W	WM	32	SE SW	19.05
27 S	14 W	WM	32	NW SE	0.50
27 S	14 W	WM	32	SW SE	32.67

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
27 S	14 W	WM	32	SE SE	5.20
28 S	14 W	WM	5	NE NE	40.00
28 S	14 W	WM	5	NW NE	40.00
28 S	14 W	WM	5	NW NE	0.29
28 S	14 W	WM	5	SW NE	0.15
28 S	14 W	WM	5	SW NE	37.50
28 S	14 W	WM	5	SE NE	0.38
28 S	14 W	WM	5	NE NW	30.00
28 S	14 W	WM	5	NW NW	22.00
28 S	14 W	WM	5	SW NW	10.75
28 S	14 W	WM	5	SE NW	33.10
28 S	14 W	WM	5	NE SW	17.56
28 S	14 W	WM	5	NW SW	9.60
28 S	14 W	WM	5	SW SW	2.00
28 S	14 W	WM	5	SE SW	3.40

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
28 S	14 W	WM	5	NW NE	0.29
28 S	14 W	WM	5	SW NE	0.15
28 S	14 W	WM	5	SE NE	0.38

3. Permit Amendment T-10719 mistakenly omitted acres in the description of the proposed irrigation acres. The description of the irrigation acres in Finding No. 4 contains the correct number of acres. The errors are described as follows:

IRRIGATION								
Township		Range		Meridian	Sec	¼ ¼		Acres as listed in T-10719 order	Correct Acres
27	S	14	W	W.M.	29	NW	NW	13.66	15.50
27	S	14	W	W.M.	29	NE	SW	18.40	20.50
27	S	14	W	W.M.	29	SW	SE	4.30	41.00
28	S	14	W	W.M.	5	SW	NE	20.50	37.50
28	S	14	W	W.M.	5	SW	NW	1.50	10.75
28	S	14	W	W.M.	5	NW	SW	6.60	9.60
28	S	14	W	W.M.	5	SE	SW	1.40	3.40

4. Permit Amendment Application T-11087 proposes to change the place of use of the permit to:

COMMERCIAL USES				
Twp	Rng	Mer	Sec	Q-Q
27 S	14 W	WM	29	SE SW
27 S	14 W	WM	32	NE NW
27 S	14 W	WM	32	SE NW
27 S	14 W	WM	32	NE SW
27 S	14 W	WM	32	NW SW
27 S	14 W	WM	32	SW SW
27 S	14 W	WM	32	SE SW
27 S	14 W	WM	32	NW SE
28 S	14 W	WM	8	NW NE
28 S	14 W	WM	8	NE NW

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
27 S	**14 W**	**WM**	**29**	**NW NW**	**5.90**
27 S	14 W	WM	29	SW NW	18.90
27 S	14 W	WM	29	NE SW	20.50
27 S	14 W	WM	29	NW SW	33.40
27 S	14 W	WM	29	SW SW	40.00
27 S	14 W	WM	29	SE SW	31.30
27 S	14 W	WM	29	NW SE	40.00
27 S	14 W	WM	29	SW SE	41.00
27 S	14 W	WM	30	NE NE	2.50
27 S	14 W	WM	30	SE NE	8.35
27 S	14 W	WM	30	NE SE	13.10
27 S	14 W	WM	30	SE SE	18.00
27 S	14 W	WM	31	NE NE	27.10
27 S	14 W	WM	31	SE NE	34.10
27 S	14 W	WM	31	NE SE	49.20
27 S	14 W	WM	31	NW SE	0.40
27 S	14 W	WM	31	SW SE	0.40
27 S	**14 W**	**WM**	**31**	**SE SE**	**33.70**
27 S	14 W	WM	32	NW NE	40.00
27 S	14 W	WM	32	NE NW	34.80
27 S	14 W	WM	32	NW NW	40.00
27 S	14 W	WM	32	SW NW	40.00
27 S	14 W	WM	32	SE NW	21.50
27 S	**14 W**	**WM**	**32**	**NE SW**	**22.90**
27 S	**14 W**	**WM**	**32**	**NW SW**	**41.90**
27 S	**14 W**	**WM**	**32**	**SW SW**	**36.10**
27 S	**14 W**	**WM**	**32**	**SE SW**	**30.15**
27 S	14 W	WM	32	NW SE	0.50
27 S	14 W	WM	32	SW SE	32.67
27 S	14 W	WM	32	SE SE	5.20
28 S	14 W	WM	5	NE NE	40.00
28 S	14 W	WM	5	NW NE	40.00
28 S	14 W	WM	5	SW NE	37.50
28 S	14 W	WM	5	NE NW	30.00

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
28 S	**14 W**	**WM**	**5**	**NW NW**	**36.20**
28 S	14 W	WM	5	SW NW	10.75
28 S	14 W	WM	5	SE NW	33.10
28 S	14 W	WM	5	NE SW	17.56
28 S	14 W	WM	5	NW SW	9.60
28 S	14 W	WM	5	SW SW	2.00
28 S	14 W	WM	5	SE SW	3.40

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
28 S	14 W	WM	5	NW NE	0.29
28 S	14 W	WM	5	SW NE	0.15
28 S	14 W	WM	5	SE NE	0.38

The changed place of use is in bold type.

5. Use of water for irrigation under this permit is limited to a development of a maximum of 500.00 acres of the potential 1024.5 acres identified in the description of the place of use above.

6. Notice of the application for the permit amendment was published in the Department's weekly notice on June 15, 2010 pursuant to ORS 540.520(5). No comments were filed in response to the notice.

Permit Amendment Review Criteria

7. The change would not result in injury to other water rights.

8. The proposed place of use is owned and/or controlled by the permit holder.

9. The change does not enlarge the permit.

10. The change does not alter any other terms of the permit.

11. The proposed place of use is contiguous to the authorized place of use.

Conclusions of Law

The change in place of use proposed by Permit Amendment Application T-11087 is consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

The change and subsequent use of water shall be subject to the following conditions:

1. The former place of use shall no longer be irrigated as part of this permit.

2. All other terms and conditions of Permit G-13498 remain the same.

3. Permit G-13498, in the name of Bandon Dunes Limited Partnership, is amended as described herein.

Dated at Salem, Oregon this 11 day of August, 2010.

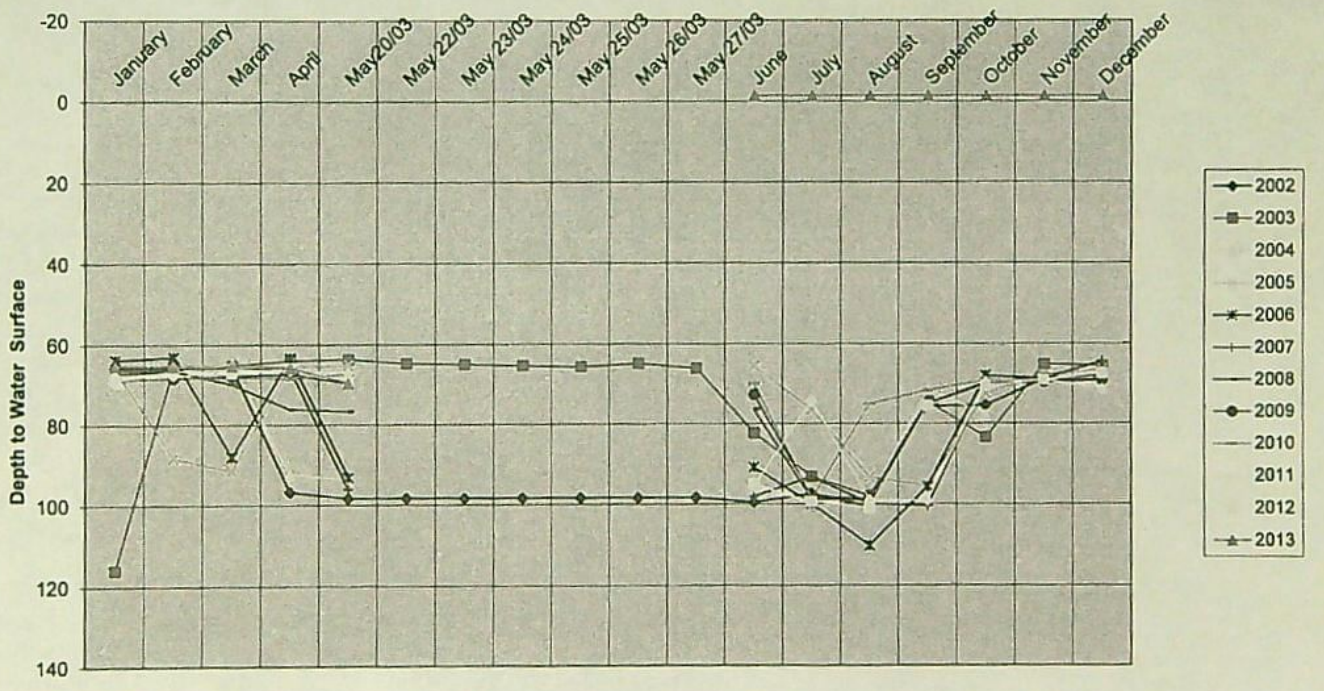
Phillip C. Ward, Director

Mailing Date: AUG 13 2010

APPENDIX B
GROUNDWATER LEVEL DATA COMPILED BY BANDON DUNES STAFF

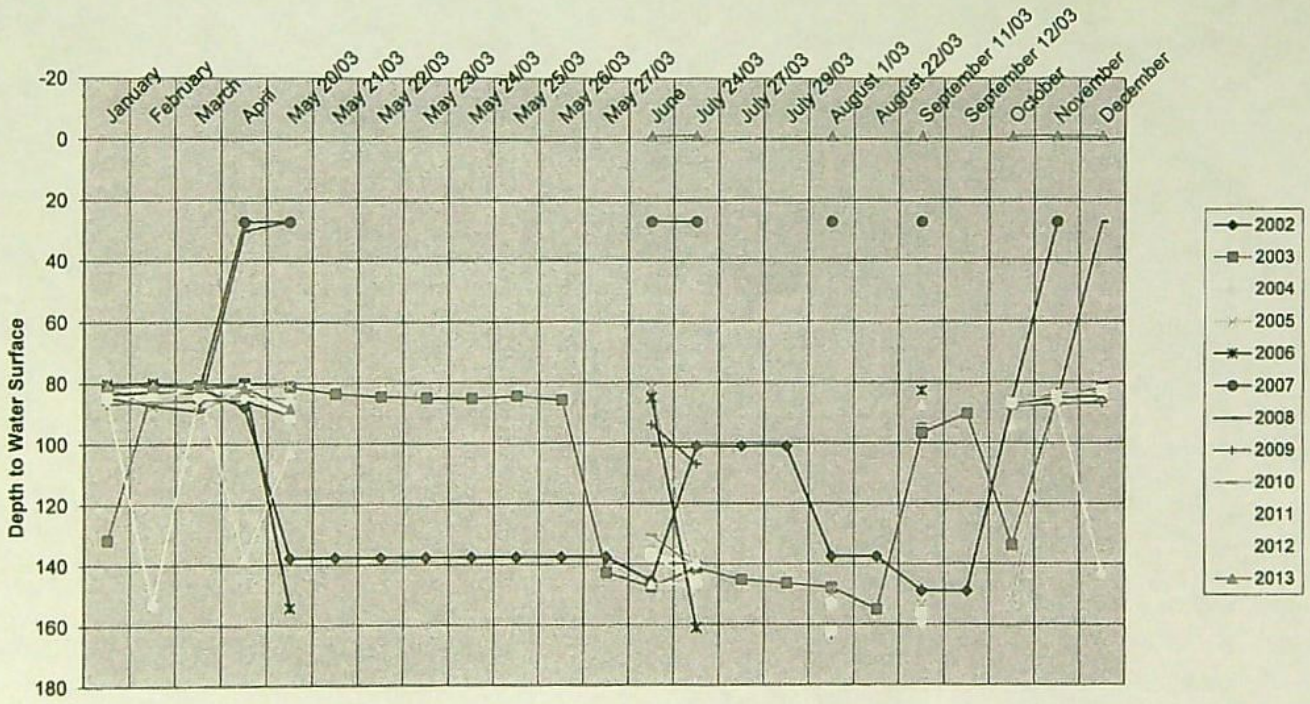
L10847

Month



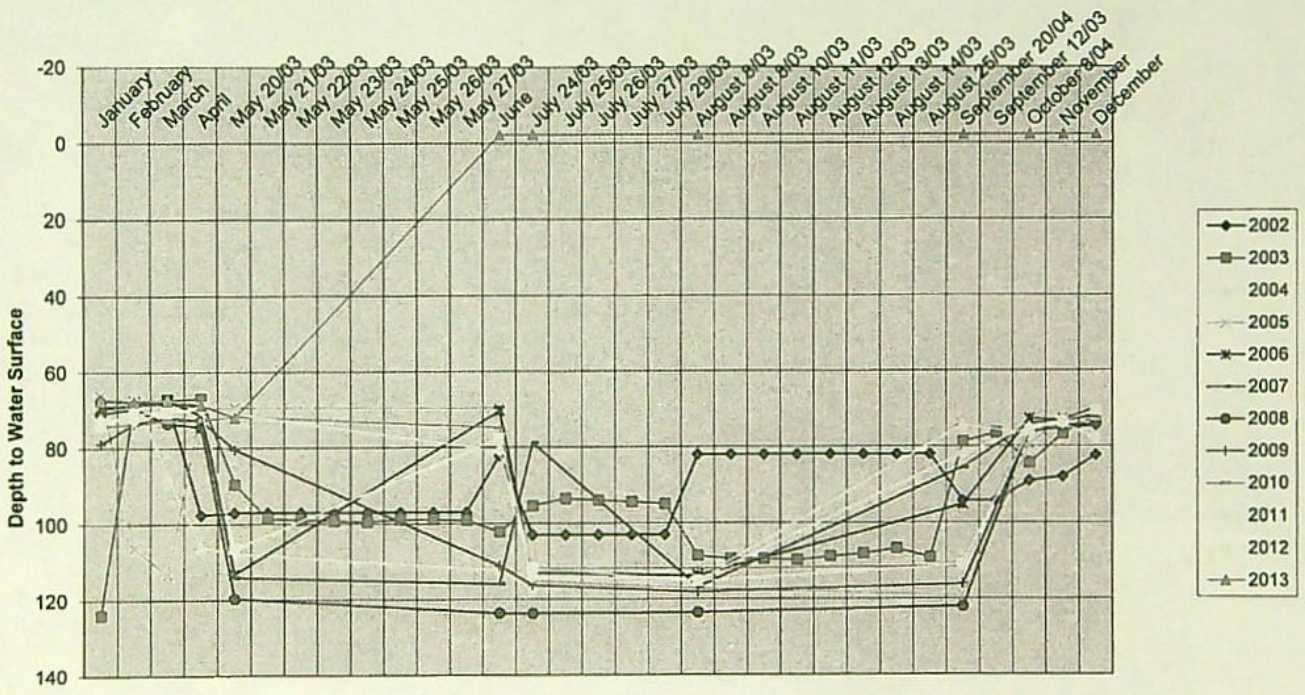
L10848

Month

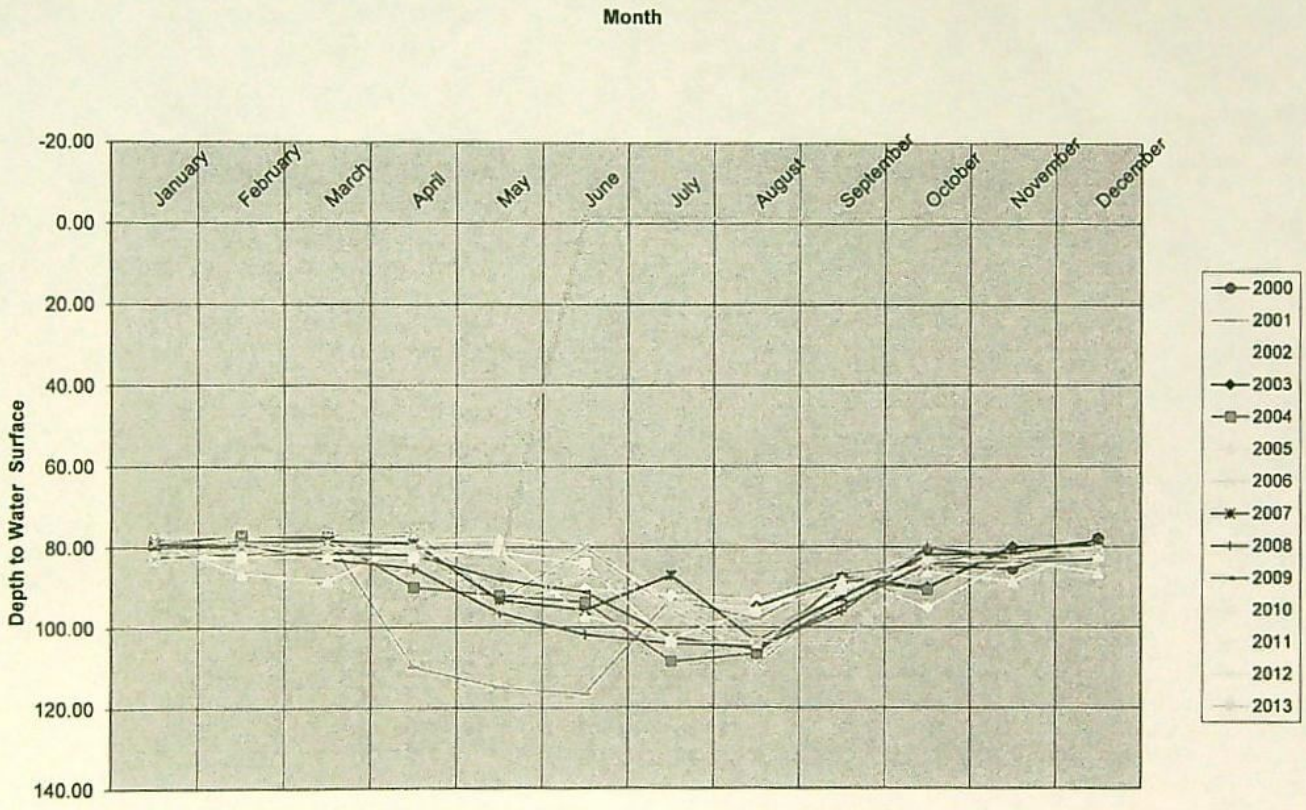


L18620

Month

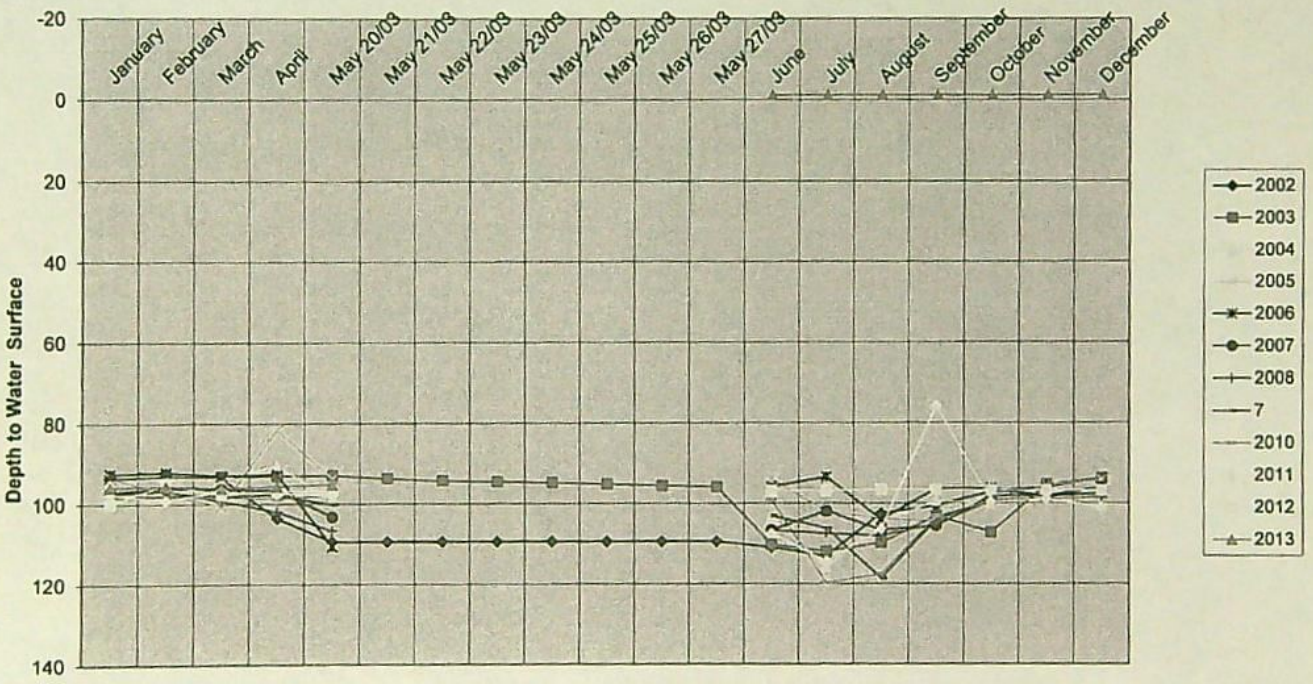


L34007


Month
January
February
March
April
May
June
July
August
September
October
November
December
-20.00
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
Depth to Water Surface
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013

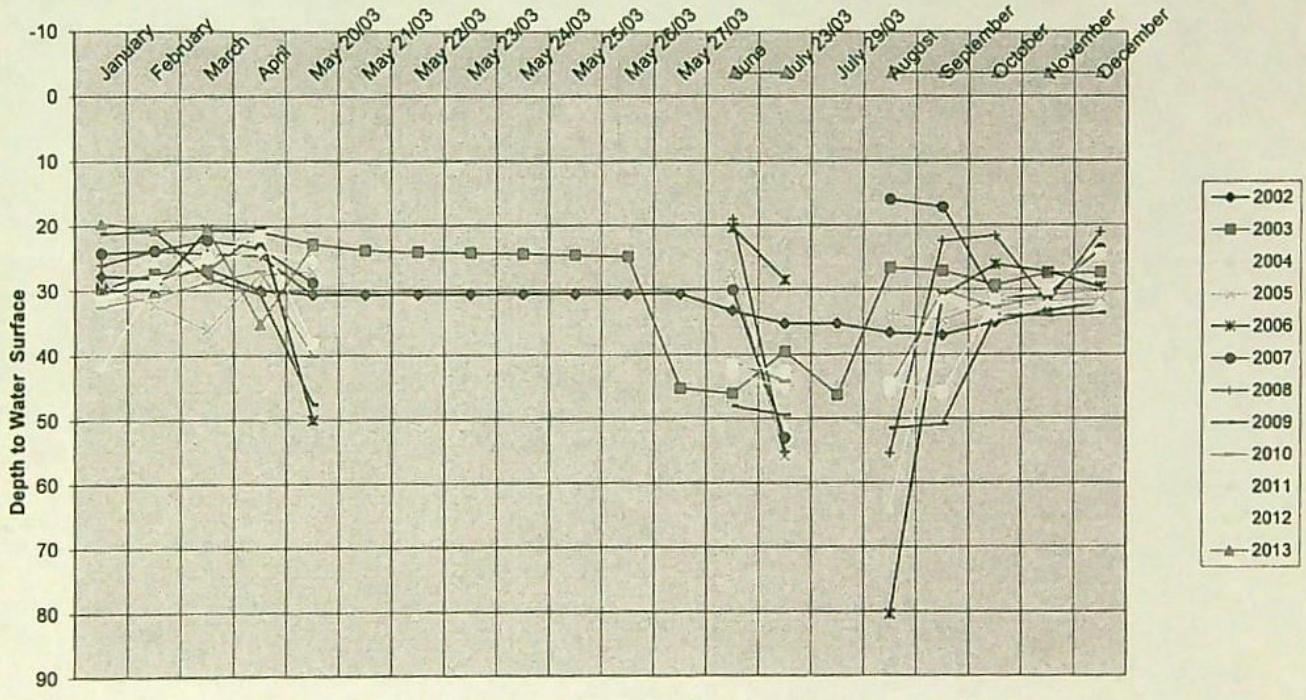
L34008

Month

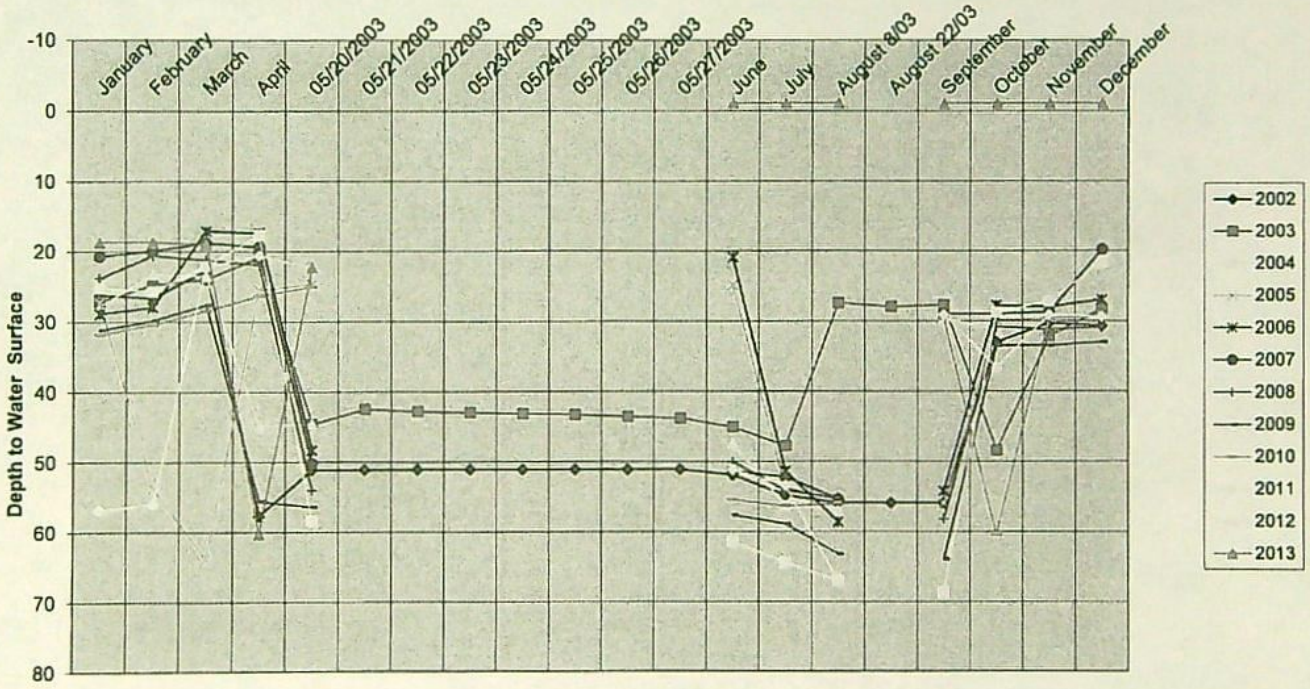


L34018

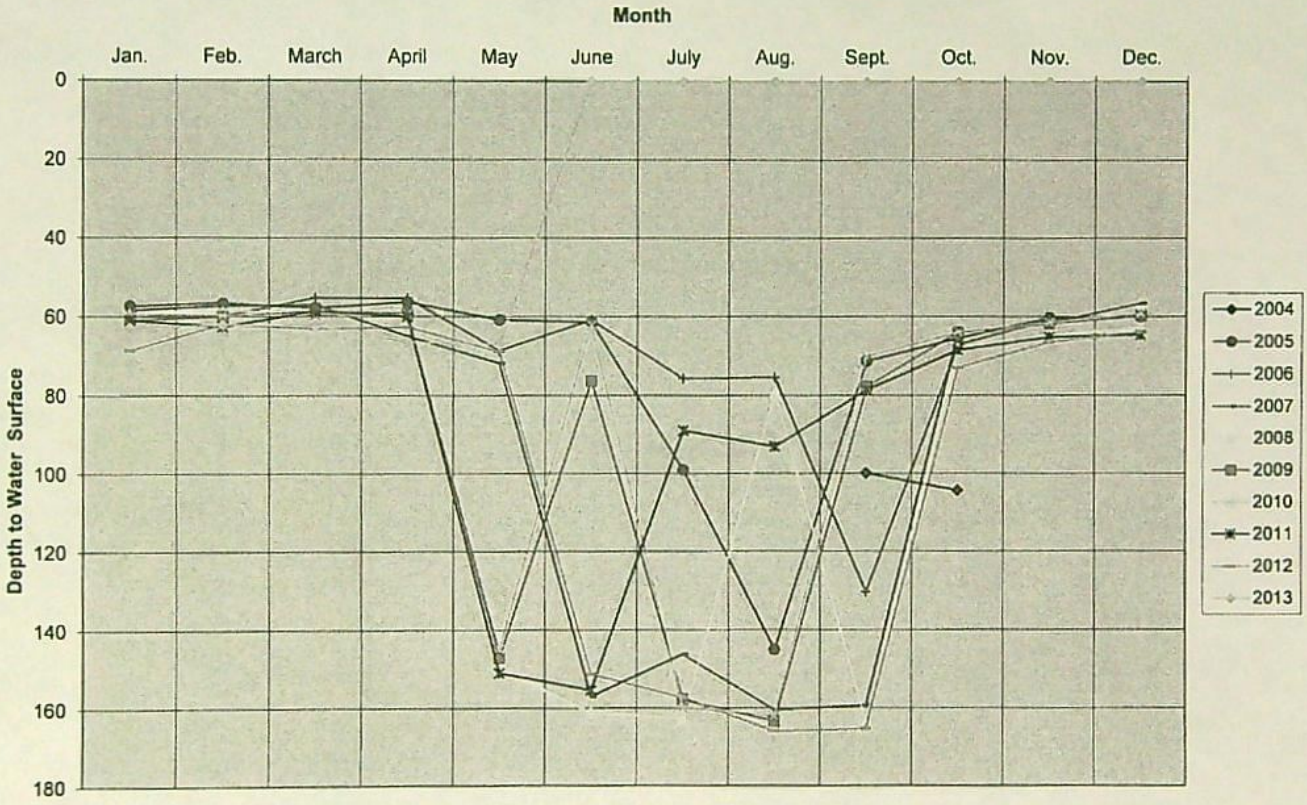
Month



L34030

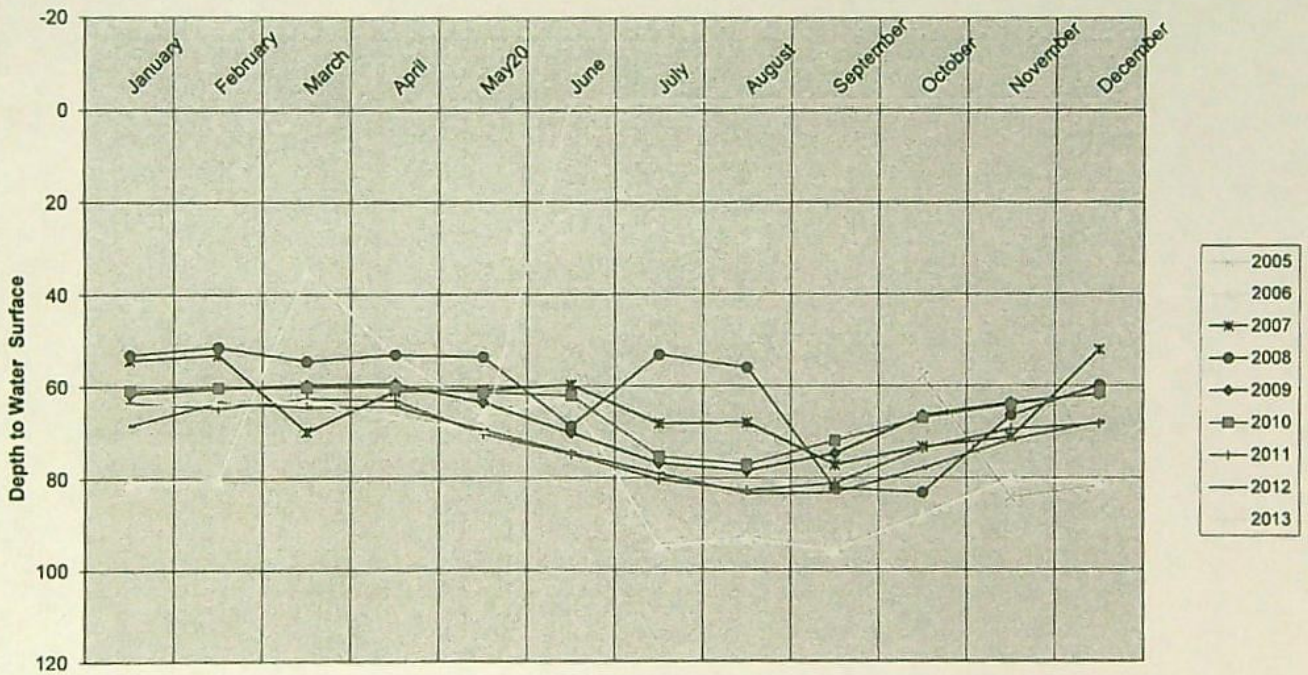

Month
Depth to Water Surface
-10
0
10
20
30
40
50
60
70
80
January
February
March
April
05/20/2003
05/21/2003
05/22/2003
05/23/2003
05/24/2003
05/25/2003
05/26/2003
05/27/2003
June
July
August 8/03
August 22/03
September
October
November
December
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013

L69436

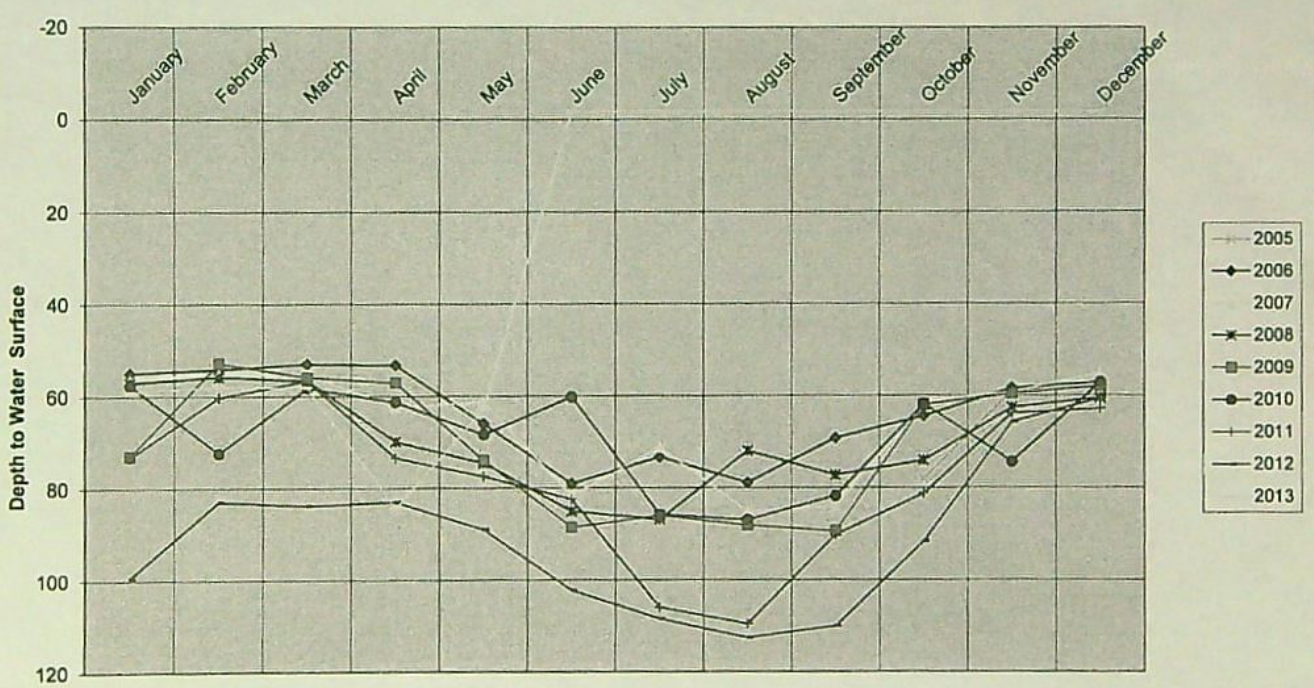

Month
Jan.
Feb.
March
April
May
June
July
Aug.
Sept.
Oct.
Nov.
Dec.
Depth to Water Surface
0
20
40
60
80
100
120
140
160
180
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013

L75799

Month



L74686


Month
January
February
March
April
May
June
July
August
September
October
November
December
-20
0
20
40
60
80
100
120
Depth to Water Surface
2005
2006
2007
2008
2009
2010
2011
2012
2013

133-92806
S.2

Blegen, Ron

From: Hill, Christie
Sent: Tuesday, October 29, 2013 11:41 AM
To: Blegen, Ron
Subject: FW: FedEx Shipment 797002877523 Delivered

Report Delivery to OWRD

Ron,

FYI – Your Fed Ex to Michelle McAleer at Oregon Water Resources Department has been delivered. See below for details.

Thanks,
Christie

From: trackingupdates@fedex.com [mailto:trackingupdates@fedex.com]
Sent: Tuesday, October 29, 2013 11:33 AM
To: Hill, Christie
Subject: FedEx Shipment 797002877523 Delivered

This tracking update has been requested by:

Company Name:	Golder Associates Inc.
Name:	Christie Hill
E-mail:	chill@golder.com

Our records indicate that the following shipment has been delivered:

Reference:	133-92806 (RB)
Ship (P/U) date:	Oct 25, 2013
Delivery date:	Oct 29, 2013 11:29 AM
Sign for by:	M.GRAHAM
Delivery location:	SALEM, OR
Delivered to:	Receptionist/Front Desk
Service type:	FedEx 2Day
Packaging type:	FedEx Pak
Number of pieces:	1
Weight:	1.00 lb.
Special handling/Services:	Deliver Weekday
Tracking number:	797002877523

Shipper Information	Recipient Information
Christie Hill	Michelle McAleer
Golder Associates Inc.	Oregon Water Resources Department
1430 W Broadway Rd Ste 108	725 Summer Street NE
Tempe	Suite A
AZ	SALEM
US	OR
85282	US
	97301

FedEx

December 9,2014

Dear Customer:

The following is the proof-of-delivery for tracking number **797002877523**.

Delivery Information:

Status:	Delivered	**Delivery location:**	SALEM, OR
Signed for by:	M.GRAHAM	**Delivery date:**	Oct 29, 2013 11:29
Service type:	FedEx 2Day		
Special Handling:	Deliver Weekday		

Signature image is available. In order to view image and detailed information, the shipper or payor account number of the shipment must be provided.

Shipping Information:

Tracking number:	797002877523	**Ship date:**	Oct 25, 2013

Recipient:
SALEM, OR US

Shipper:
TEMPE, AZ US

Reference

133-92806 (RB)

Thank you for choosing FedEx.

FedEx® Tracking

797002877523

Ship (P/U) date
Fri 10/25/2013 5:35 pm

TEMPE, AZ US

Actual delivery
Tues 10/29/2013 11:29 am

SALEM, OR US

Delivered

Signed for by: M.GRAHAM

Travel History

Date/Time	Activity	Location
- 10/29/2013 - Tuesday		
11:29 am	Delivered	SALEM, OR

Shipment Facts

Tracking number	797002877523	**Service**	FedEx 2Day
Shipper reference	133-92806 (RB)	**Special handling section**	Deliver Weekday

Report for 2002-2008

Golder Associates Inc.
1430 West Broadway Road, Suite 108
Tempe, AZ 85282
Telephone (480) 966-0153
Fax (480) 966-0193
www.golder.com

Golder Associates

TRANSMITTAL LETTER

TO: Oregon Water Resources Department
Extensions/Water Rights and
Adjudications Division
725 Summer Street NE, Suite A
Salem, Oregon 97301

Attention: Mr. Scott Kudlemyer

DATE: May 27, 2009

PROJECT NO.: 033-1642

SENT VIA:

- **X** Federal Express (Tracking Number 796640110363)
- ☐ U.S. Mail
- ☐ Courier
- ☐ Hand Delivery
- ☐ Other: _____

QUANTITY	ITEM	DESCRIPTION
1	Document	2008 Extension of Time Report, Bandon Dunes Limited Partnership Water Right G-13498

REMARKS:

Mr. Kudlemyer:

Enclosed please find a cover letter and memorandum that serve as the 2008 Extension of Time Progress Report for Water Right Permit G-13498 held by the Bandon Dunes Limited Partnership. If you have any questions or comments, please contact me at 480-966-0153 or rblegen@golder.com.

Thank you.

Ron Blegen

Per Ronald P. Blegen

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

STASTNYBRUN

MR. SCOTT KUDLEMYER
EXTENSIONS/WATER RIGHTS AND
ADJUDICATIONS DIVISION
WATER RESOURCES DEPARTMENT
725 SUMMER STREET NE, SUITE A
SALEM, OR
97301

27 MAY 2009

CC:
LEONARD LEVINE, CFO
JAMES SELLEY,
KEMPER SPORTS MANAGEMENT

Reference: Application G-13577/Permit G-13498

Dear Mr. Kudlemyer:

Attached is the requested 5-year Progress Report. As I indicated earlier, the report was delayed due to the passing of Mr. Howard McKee and the Management Team not realizing that the Report was required, not what information was required per the permit. Our records are in order and this Report honors the requirement to file the report every five years. The past five years have witnessed great growth in the Resort and its facilities. In that growth, we have adhered to the planning approvals granted and have maintained and recorded appropriate records regarding water resources that have provided the basis for this Report.

For the record, please modify your records to reflect the following:

Owner: Michael Keiser
875 N. Michigan Avenue, Suite 3920
Chicago, IL 60611

Owner's Representative (replacing Howard McKee):
Donald J. Stastny
StastnyBrun Architects, Inc.
1630 SW Morrison Street, Suite 210
Portland, OR 97205

Consultant for Water Issues:
Golder Associates, Inc.
1430 West Broadway Road, Suite 108
Tempe, AZ 85282

I am requesting that Ron Blegen, Senior Project Hydrogeologist for Golder Associates submit the Progress Report on behalf of Bandon Dunes Golf Resort. Please feel free to contact me, or him should there be any issues with the submittal. On behalf of the Owner, I would like to extend our thanks for your understanding as to the lateness of our Report due to the passing of Howard McKee.

Sincerely,

STASTNYBRUN ARCHITECTS, INC.

DONALD J. STASTNY FAIA FAICP
Owner's Representative, Bandon Dunes Golf Resort

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

MEMORANDUM

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Golder Associates Inc.
18300 NE Union Hill Road, Suite 200
Redmond, Washington 98052
Telephone: 425-883-0777
Fax Access: 425-882-5498

TO: Donald Stastny and Bruce Johnson
Bandon Dunes Limited Partnership

DATE: May 15, 2009

FROM: Ron Blegen, R.G. and David Banton, R.G.

OUR REF.: 033-1642-002.001

RE: **2008 EXTENSION OF TIME PROGRESS REPORT**
BANDON DUNES LIMITED PARTNERSHIP WATER RIGHT G-13498

This memorandum is intended to provide the information requested in the Progress Report Form for 2008 provided to the Bandon Dunes Limited Partnership (Bandon Dunes) by the Oregon Water Resources Department (OWRD). The 2008 progress report is a requirement of the 2002 extension of time of Water Right Permit G-13498, held by Bandon Dunes. The report form is attached for reference (see Appendix A). The information reported herein applies to work accomplished and finances invested between October 1, 2002 and October 1, 2008. The water use, pumping data, construction timeline, and financial commitment information is based on information provided to Golder Associates Inc. by Bandon Dunes. Additional water use information (e.g. annual reports) was obtained from OWRD.

INSERT DATES	LIST ALL WORK ACCOMPLISHED and FINANCIAL INVESTMENTS for the period of time between October 1, 2002 and October 1, 2008	FINANCIAL INVESTMENT
10/1/2002 to 0/1/2003	Normal golf course and facility maintenance and small construction projects.	
10/1/2003 to 10/1/2004	Construction of Trails Course begins with simultaneous installation of the in-ground irrigation system.* Construction and testing of irrigation well L69436 [Permit Amendment T9647 requests change in POU to accommodate Trails Course (effective 26-Mar-2004)]	$7.9 M
10/1/2004 to 10/1/2005	Completion and opening of Trails Course Construction and testing of irrigation well L74686 Construction: Bandon Trails Clubhouse and Turnstand Lodge Suite and Garden Room Grove Cottages and Registration Area	$13.5 M
10/1/2005 to 10/1/2006	Course and facility maintenance and small construction projects. Construction of well L75799 to replace potable supply well L25195.	$5.9 M
10/1/2006 to 10/1/2007	Intern housing (3 units) Course and facility maintenance and small construction projects. Permit Amendment T-9782 Final Order approved 9-Oct-2006 adds two new POA's to the permit (Well ID's L69436 and L74686)	$7 M

INSERT DATES	LIST ALL WORK ACCOMPLISHED and FINANCIAL INVESTMENTS for the period of time between October 1, 2002 and October 1, 2008	FINANCIAL INVESTMENT
10/1/2007 to 10/1/2008	Construction of Old MacDonald Course begins (first 10 o f 18 holes). Site preparation for the remaining holes to continue with simultaneous installation of the in-ground irrigation system.** Construction of irrigation well L91192 to replace the "New Shuman Well" (Coos 330). Staff Housing (22 units) Pacific Dunes Clubhouse Inn Rooms, Lobby, and Lounge Permit Amendment T-10476 Final Order Approved 14-April-2008 adds two new POA's to permit and changes POU to accommodate Old MacDonald Course.	$14.7M

Notes:

*The Trails course irrigation system includes the following:
- 1,390 Rainbird Eagle 700 sprinklers
- 45 Rainbird electric valves
- 300 feet of 16-inch PVC pipe
- 2,600 feet of 12-inch PVC pipe
- 1,800 feet of 10-inch PVC pipe
- 6,800 feet of 8-inch PVC pipe
- 1,600 feet of 8-inch HDPE pipe
- 6,000 feet of 6-inch PVC
- 5,200 feet of 4-inch PVC
- 93,000 feet of 2-inch PVC

Estimated system cost = $1.3M

** The Old MacDonald course irrigation system is expected to include the following components when complete:
- 1,500 Rainbird Eagle 700 sprinklers
- 45 Rainbird electric valves
- 2,000 feet of 14-inch PVC pipe
- 2,000 feet of 12-inch PVC pipe
- 2,400 feet of 10-inch PVC pipe
- 6,000 feet of 8-inch PVC pipe
- 5,000 feet of 6-inch PVC
- 5,000 feet of 4-inch PVC
- 100,000 feet of 2-inch PVC

Projected system cost = $1.7M

Over the last 5 calendar years (2004 through 2008), Bandon Dunes has invested approximately $49 million dollars in the development of their property. Current plans call for additional development between 2008 and 2020, but planning for the full extent of the buildout has not been completed.

2. COMPLIANCE WITH TERMS AND CONDITIONS OF THE PERMIT

A copy of permit G13498, with numbered references to the key provisions of the permit, is attached as Appendix B. The following paragraphs provide a brief explanation of compliance activity by Bandon Dunes.

No. 1 – Source of Water:

The original permit allowed for appropriation of groundwater from six wells in the Cut Creek Basin. Transfer T-8661 (effective August 27, 2002) added six wells as authorized points of appropriation. Transfer T-9782 (effective October 9, 2006) added two more wells to bring the total number of authorized Points of Appropriation to 14 wells. To date, Bandon Dunes draws water from 10 wells. Two of these wells are designated for potable water use. Eight wells currently supply irrigation water to the golf courses and practice facilities. Two more wells have been constructed as irrigation supply wells, but are not yet fully connected to the

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

resort irrigation water distribution system. Table 1 provides a summary of the wells currently in use under G-13498. Well locations are presented in Figure 1.

No. 2 – Purpose or Use:

The purpose or use for the appropriated water remains irrigation for up to 500 acres and domestic use serving up to 500 households. Bandon Dunes has been progressing toward the total of 500 acres allowed for irrigation through the construction of new golf courses and practice facilities. The Trails course was constructed in 2004-2005 and opened in 2005. Construction of the Old MacDonald course began in 2007 and is expected to open for play in 2010. As of October 1, 2008 the total acreage under irrigation was approximately 420 acres. By late 2009 or early 2010, the acreage expected to be under irrigation is expected to be between 480 and 500 acres. The number of guest housing units has slowly grown to the current 186 units. It is estimated that the potable supply supports up to 385 guests and 265 full-time employees (increasing to 400 to 450 employees during the summer months). The number of guest housing units is projected to grow steadily over the next 10 to 12 years.

No. 3 – Maximum Rate:

The maximum rate of water usage does not exceed 3.09 cubic feet per second (cfs) (1,387 gallons per minute, gpm) for irrigation purposes, or 0.46 cfs (206 gpm) for domestic and commercial uses. Irrigation water use has grown since 2002 with the expansion of golf facilities and the construction of two new courses (Table 2, Figure 2). In 2008 Bandon Dunes pumped 226 million gallons from its irrigation supply wells and distributed the water to 420 acres that includes three 18-hole courses, practice facilities, and approximately one-half of another course under construction. The maximum monthly average pumping rate for all the irritation wells during the 2007-2008 water year was 1,044 gpm (2.33 cfs) during June 2008 (Figure 3).

Potable water use has been growing since 2002, reaching a maximum of 11.5 million gallons in 2008 (Table 3, Figure 4). This translates to an average rate of use of only 22 gpm or 0.05 cfs. Wells designated for potable supply are pumped only long enough to fill water storage tanks.

Water use is monitored monthly at wellhead flow meters and reported annually to OWRD.

No. 4 – Period of Use:

Water use for irrigation purposes takes place between March and October of each water year, with the majority of water pumped between May and September (Figure 3). Pumping from wells designated for commercial or domestic purposes is conducted on a year-round basis.

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

No. 5 – Amount of Use Allowed:

Water use for irrigation has not exceeded the limitations provided for under this section of Permit G-13498. By the end of the 2007-2008 irrigation season approximately 420 acres were under active irrigation. Under the terms of the permit, this translates to a maximum allowable application of 1,050 acre-ft, or 342 million gallons, over the course of the irrigation season. Based on water use records collected by Bandon Dunes during the 2007-2008 water year, the total volume of groundwater appropriated for irrigation was 693 acre-ft (226 million gallons) (Figure 2) and the maximum monthly average pumping rate was 1,044 gpm (2.33 cfs) (Figure 3).

No. 6 – Place of Use:

Since October 1, 2002, the place of use has been altered from the original permit through permit amendments T9647 (Final Order approved March 26, 2004) and T10476 (Final Order approved April 14, 2008). The acreage available for irrigation has remained at a maximum of 500 acres. To date the total acreage under irrigation has been estimated at 420 acres. By the end of 2009, the total acreage under irrigation is projected at 480 acres. Additional future facility upgrades are expected to bring the total irrigated acreage to 500 acres.

No. 7 – Metering Requirements:

Meters have been installed at the wellhead of each irrigation and domestic well in active use at the property. Monthly meter readings are recorded and compiled by Bandon Dunes personnel and an annual water use report is submitted to OWRD at the end of each water year.



RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Photograph of Well L34008. Note the flow meter installation. All Bandon Dunes wells are equipped with similar meters and are monitored on a minimum monthly basis.

No. 8 – Watermaster Access:
The Watermaster has access to the wells and meters at any time.

No. 9 – Well Locations:
All irrigation and potable supply wells constructed since 2002 have been placed within the "Alternative Well Placement Areas" as demarcated in the EGR and Associates document of May 27, 1997, or placement has otherwise been approved by OWRD through permit amendment. A total of 14 wells are approved for use under permit G13498. Ten wells have been actively used as irrigation and potable supply wells. Well locations are depicted in Figure 1.

No. 10 – Well Construction Requirements:
All wells constructed by Bandon Dunes and in active use as irrigation or potable supply wells meet these minimum construction requirements established in the permit. Well Coos 330 was replaced by well Coos 54287 (L91192) in 2008. The replacement well was constructed with similar screened intervals as in Coos 330, and is located within a few feet of the original well.

Well logs for the following wells, constructed between October 1, 2002 and October 1, 2008 are provided in Appendix C:

- L69436
- L74686
- L75799 (replacement well for L25195)
- L91192 (replacement well for Coos 330)

No. 11 – Substantial Interference With Other Rights:
There have been no known issues regarding interference with other water right holders in the vicinity. The Bandon Dunes resort is located downgradient of most local water users and there are no users downgradient of the resort.

No. 12 – Monitoring Plan:
Bandon Dunes submitted a monitoring plan to OWRD, which was accepted in 2001. Bandon Dunes has been monitoring groundwater levels and quality, and modifying water use in accordance with the plan since that time. Attached are examples of charts of groundwater level data compiled by Bandon Dunes staff on a monthly basis since 2002 (see Appendix D).

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

3. **Total Number of Acres Irrigated to Date** = 420 Acres

4. **Provide the Maximum Rate, or Duty if Applicable, of Water Diverted for Beneficial Use Under This Permit, if Any, to Date:**

   Maximum rate used to date = 2.33 cfs (cubic feet per second)

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Table 1
Permit G13498 Irrigation and Potable Supply Well Data

Well No.	Construction Date	Depth Drilled (feet)	Borehole Diameter (inches)	Screen Diameter (inches)	Screened Interval(s) (feet bgs)	Reported Production Rate (gpm)	Pump Test Results	Golf Course Served	Notes
L10847	7/17/1997	243	12.25	8	96 - 116	100	-	BD	
L10848	7/24/1997	185	12.25	8	148.5 - 168.5	170	-	BD	
L18620	6/29/1998	260	12.25	8	119 - 139	125	-	BD	
L34007	5/6/2000	200	12.25	8	111.25 - 129.25 134.6 - 141.6	160	-	PD	
L34008	5/16/2000	220	12.25	8	115.3 - 131.3	105	-	PD	
L34018	11/12/2001	155	12.25	8	62.11 - 78.2	132	-	PD	Originally a geotech borehole. Hole reamed to accommodate 8 inch production casing.
L34030	6/27/2000	185	15	10	66.4 - 86.5	224	-	PD	
L69436	9/15/2004	200	17.5	10	166 - 194.5	400	*	Trails	Trails course supply well
L75799	10/11/2005	125	17.5	10	109.5 - 119.5	100		Potable	Potable well replaced L25195.
L74686	7/16/2005	260	17.5	10	229.3 - 255.8	350	*	Potable	New potable well. Not currently used for irrigation.
L91192	7/9/2008	78	15	10	51.33 - 66.33	90	*	-	Replaces New Schuman Well (Coos 330) Not currently used.

Notes:

*	Pumping test report is available.
BD	Bandon Dunes Course
PD	Pacific Dunes Course
Trails	Trails Course
OM	Old McDonald Course

bgs	Below ground surface
gpm	Gallons per minute
Mgal	Million gallons

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Table 2
Bandon Dunes Irrigation Water Use Summary

Water Year End	Total Appropriation			Irrigated Acres Reported	Acre-Ft of Water Applied per Acre of Land	Volume Allowed on Reported Acreage (Mgal)
	Gallons	Mgal	Acre-Ft			
2003	30,938,435	31	95	160	0.59	130
2004	161,464,640	161	496	116	4.27	95
2005	174,841,152	175	537	NR		
2006	184,061,210	184	565	336	1.68	274
2007	NR					
2008	225,564,075	226	692	420	1.65	342
Permit G13498 Allowance (full build-out)				500	2.5	407

Notes:
NR Not Reported - Data was not requested by OWRD
Mgal Million gallons

Source: OWRD Web Site
Water use records supplied by Bandon Dunes
Permit G13498 allows for the application of 2.5 acre-ft of water per irrigated acre in season

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Table 3
Bandon Dunes Potable Water Use Summary

Year	Total Gallons Used	Average Pumping Rate (gpm)	Average Pumping Rate (cfs)
2003	5,596,380	10.6	0.024
2004	7,869,900	15.0	0.033
2005	522,900	1.0	0.002
2006	9,435,400	18.0	0.040
2007	nd		
2008	11,458,300	21.8	0.049

Notes:
Potable water has been pumped from wells L25195, L44790, L75799, and L74686

nd - No data available.

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

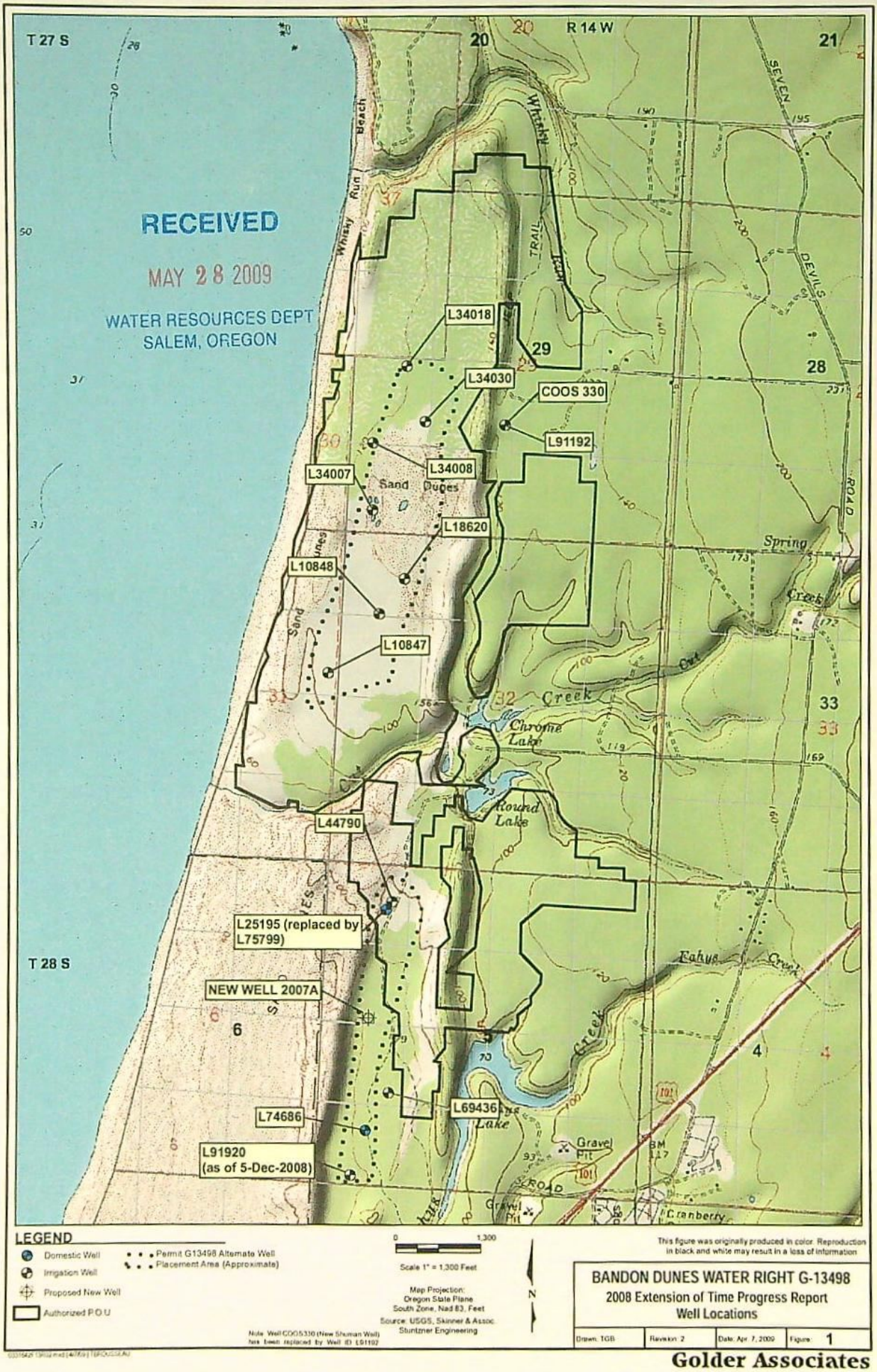
TABLES

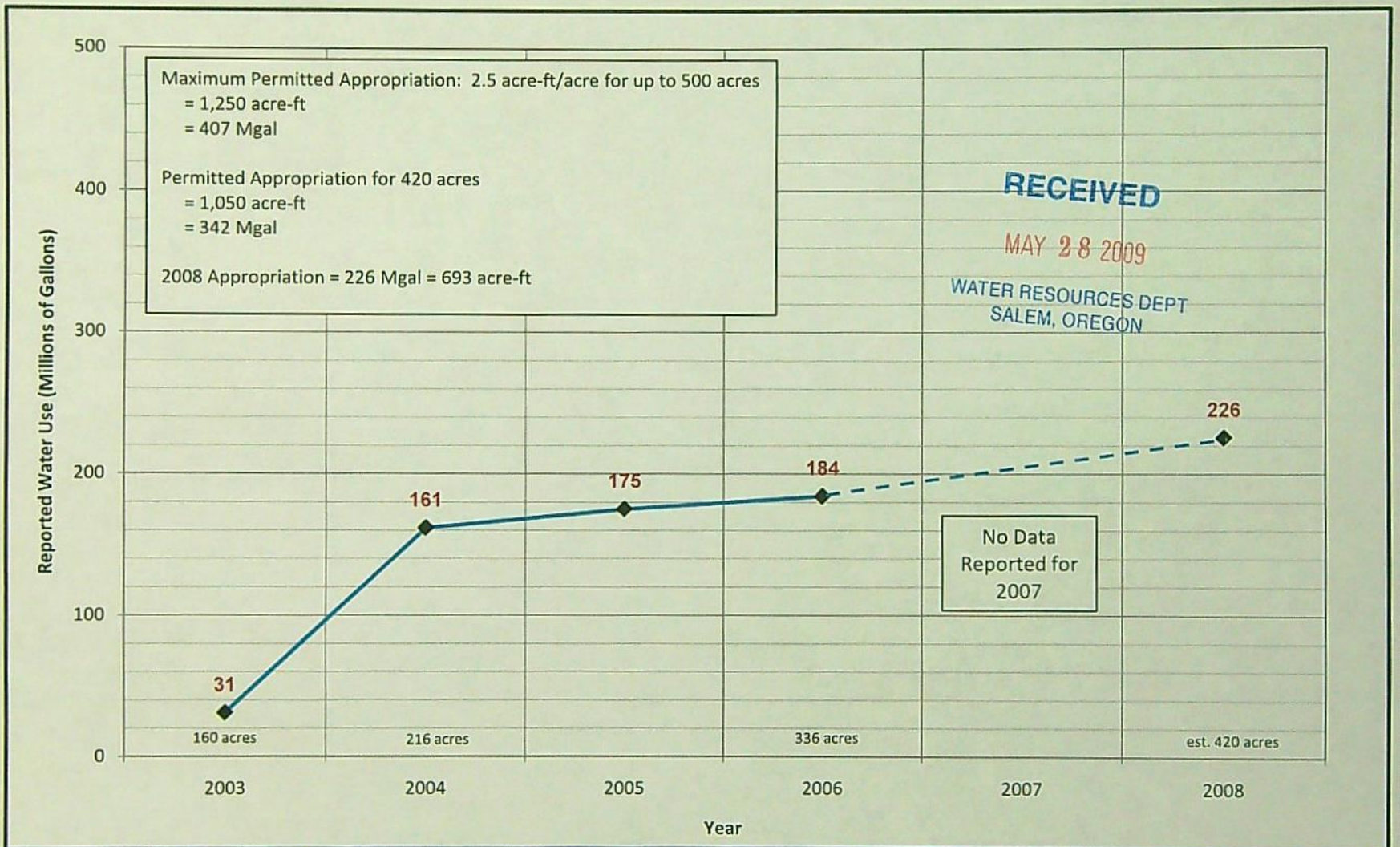
Table 1	Permit G13498 Irrigation and Potable Supply Well Data
Table 2	Bandon Dunes Irrigation Water Use Summary
Table 3	Bandon Dunes Potable Water Use Summary

RECEIVED

MAY 28 2009

WATER RESOURCES DEPT
SALEM, OREGON


T 27 S
T 28 S
R 14 W
20
21
29
28
33
32
6
5
4
RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON
L34018
L34030
COOS 330
L91192
L34008
L34007
L18620
L10848
L10847
L44790
L25195 (replaced by L75799)
NEW WELL 2007A
L74686
L69436
L91920 (as of 5-Dec-2008)
Whiskey Run Beach
Sand Dunes
Spring Creek
Chrome Lake
Round Lake
Fahys Creek
Gravel Pit
Cranberry
TRAIL
DEVILS
SEVEN
ROAD
LEGEND
Domestic Well
Irrigation Well
Proposed New Well
Authorized P.O.U.
Permit G13498 Alternate Well
Placement Area (Approximate)
0
1,300
Scale 1" = 1,300 Feet
Map Projection:
Oregon State Plane
South Zone, Nad 83, Feet
Source: USGS, Skinner & Assoc.
Stintzner Engineering
N
Note: Well COOS330 (New Shuman Well) has been replaced by Well ID L91192
This figure was originally produced in color. Reproduction in black and white may result in a loss of information
BANDON DUNES WATER RIGHT G-13498
2008 Extension of Time Progress Report
Well Locations
Drawn: TGB
Revision: 2
Date: Apr. 7, 2009
Figure: 1
Golder Associates



Golder Associates

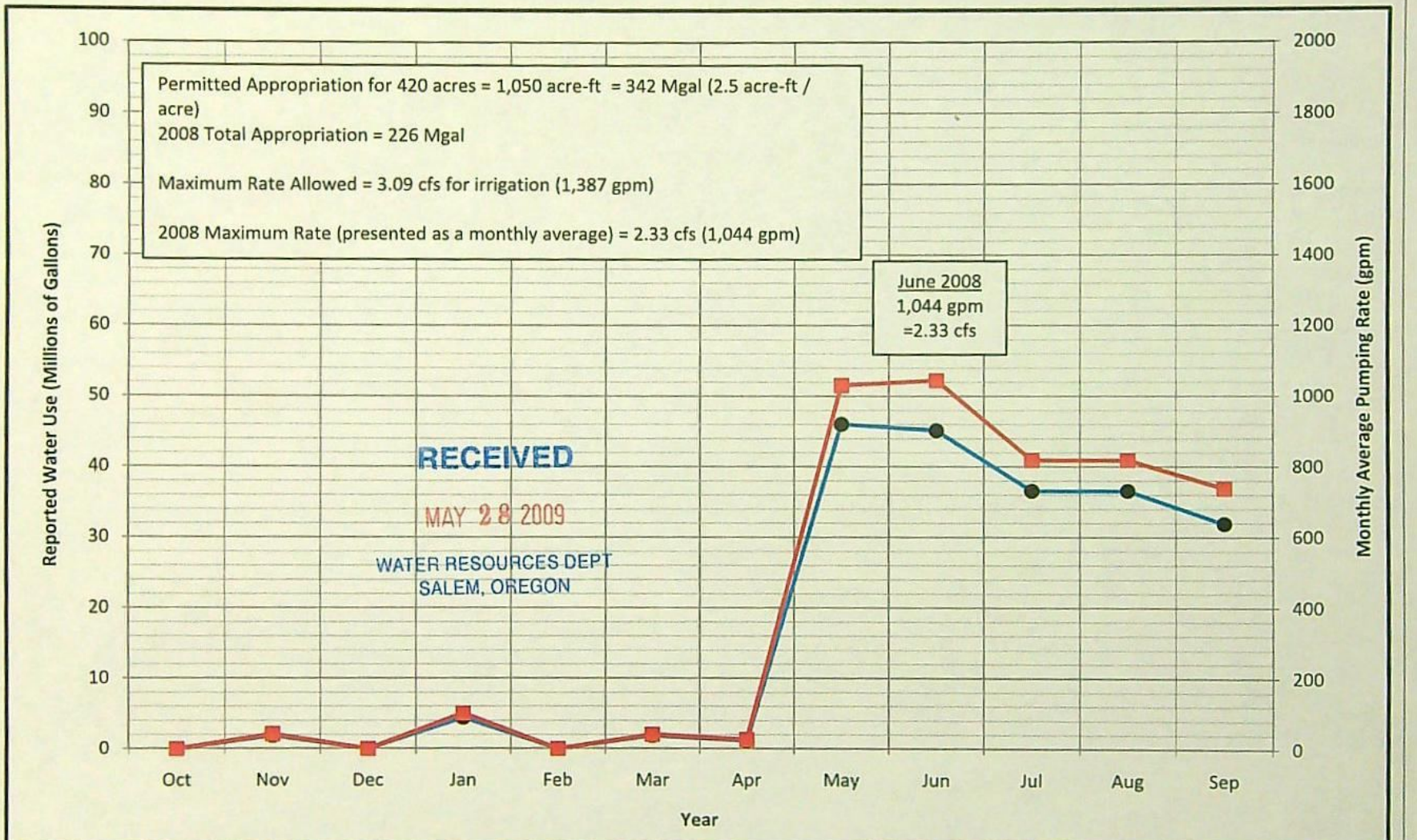
Mgal Pumped Per Year for Irrigation

Title	Annual Water Use, Irrigation, 2002 to 2008		
Project Name	Bandon Dunes Water Use	Project No.	033-1642-002.001
Client Name	Bandon Dunes Golf Resort	Date	April 6, 2009

Drawn	RB
Checked	
Reviewed	DB

FIGURE 2

Supporting figures_Tables_051809a

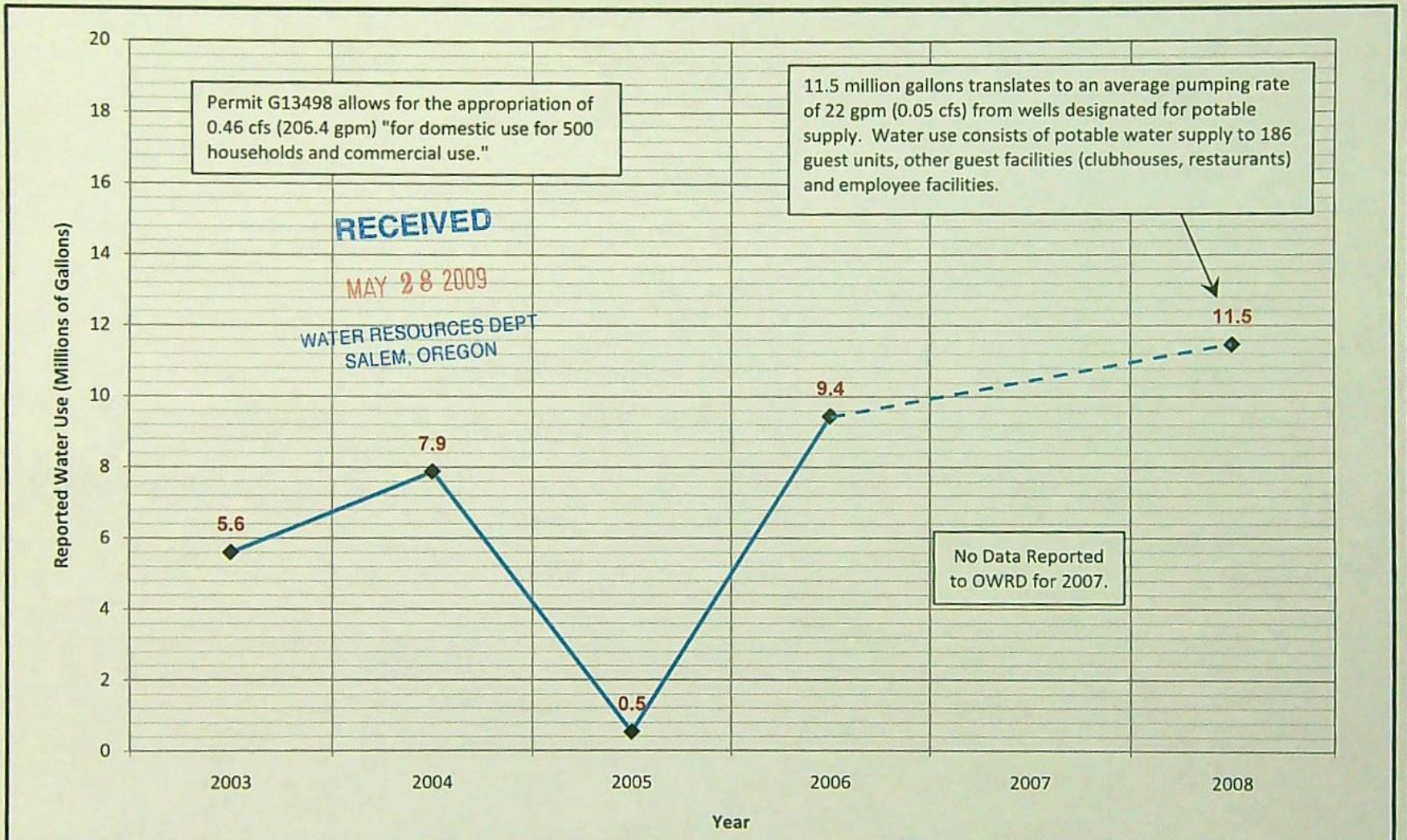


Golder Associates

Max. Volume Pumped (Mgal)

Pumping Rate (gpm)

Title	2007-2008 Irrigation Water Pumped	Drawn	RB
Project Name	Bandon Dunes Water Use	Checked	
Project No.	033-1642-002.001	Reviewed	DB
Client Name	Bandon Dunes Golf Resort	FIGURE	3
Date	April 6, 2009		



Golder Associates

Mgal Pumped Per Year for Domestic/ Commercial Use

Title	Annual Water Use, Domestic/Commercial, 2002 to 2008		
Project Name	Bandon Dunes Water Use	Project No.	033-1642-002.001
Client Name	Bandon Dunes Golf Resort	Date	April 6, 2009

Drawn	RB
Checked	
Reviewed	DB
FIGURE	4

Supporting figures_Tables_051809a

APPENDIX A

2008 Progress Report Form

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Oregon
Theodore R. Kulongoski, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1266
503-986-0900
FAX 503-986-0904

RECEIVED
FEB 27 2009
BY:

FEBRUARY 25, 2009

BANDON DUNES LIMITED PARTNERSHIP
ATTN: HOWARD MCKEE
2130 LINCOLN PARK N / 57744 ROUND LAKE DR
CHICAGO, IL 60614 / BANDON, OR 97411

REFERENCE: Application G-13577 / Permit G-13498

Dear Permit Holder:

On 10/2/2003, the Department issued a Final Order approving an Extension of Time for Permit G-13498. This Final Order included a condition that required the permit holder to submit a written progress report to the Department by October 1, 2008 as well as a future progress report(s) due by October 1, 2013 and 2018.

This letter is being sent to you because the Department has not yet received the progress report that was due on October 1, 2008.

For your convenience, I have enclosed a **Progress Report Form** for you to fill out and submit. In order to maintain the ability to continue developing water under this permit, you should submit your overdue progress report immediately.

As per your most recent extension, the date by which water must be applied to full beneficial use within the terms and conditions of your permit is October 1, 2022. ***Failure to submit a written progress report may jeopardize continued development of your permit beyond October 1, 2022, as future extensions are evaluated on past due diligence, and consequently may not be granted.***

If you have any questions concerning this matter, you may contact me by telephone at (503) 986-0813.

Sincerely,

Scott Kudlemyer
Extensions
Water Rights and Adjudications Division

Enclosure

cc: Application G-13577
Watermaster District 19 – Mitch Lewis

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

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

Extension of Time
Progress Report Form
For Checkpoints

TO THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT

Permit Holder: BANDON DUNES LIMITED PARTNERSHIP

Application G-13577
Permit G-13498

Report Due no later than October 1, 2008

Progress Report Form for 2008

As authorized in ORS 690-315-0050(6), this progress report is required in order to ensure diligence is exercised in the development and perfection of Permit G-13498

INSERT DATES	LIST ALL WORK ACCOMPLISHED and FINANCIAL INVESTMENTS For the period of time between October 1, 2002 and October 1, 2008	FINANCIAL INVESTMENT

2. Compliance with terms and conditions of the permit and/or previous extension.

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

3. Total number of acres irrigated to date= _____ *(if applicable)*

4. Provide the maximum rate, or duty if applicable, of water diverted for beneficial use under this permit, if any, made to date.

Maximum rate used to date = _____cfs (cubic feet per second)

Maximum rate used to date = _____gpm (gallons per minute)

Acre-feet stored to date = _____AF

*Report the rate in the same units of measurement as specified in the permit, being cfs (cubic feet per second), gpm (gallons per minute) or AF (acre-feet). **Do not provide daily, monthly or annual water volume totals.***

Signature_____ **Date**_____

For OWRD use only

Diligence Shown ☐ Yes ☐ No Date Public Noticed: _____

Reviewed by: _____ Date: _____

APPENDIX B

Permit G13498

RECEIVED

MAY 28 2009

WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON

COUNTY OF Coos

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

BANDON DUNES LIMITED PARTNERSHIP
C/O HOWARD MCKEE
2130 LINCOLN PARK W. PHONE: (312) 281-0652
CHICAGO, IL 60614

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-13577

1 SOURCE OF WATER: SIX WELLS IN THE CUT CREEK BASIN

2 PURPOSE OR USE: COMMERCIAL USE, DOMESTIC USE SERVING 500.0 HOUSEHOLDS, AND IRRIGATION AND OUT-OF-SEASON IRRIGATION OF A TOTAL OF 500.0 ACRES

3 MAXIMUM RATE: 3.55 CUBIC FEET PER SECOND (CFS), BEING 0.46 CFS FOR DOMESTIC USE FOR 500 HOUSEHOLDS AND COMMERCIAL USE AND 3.09 CFS FOR IRRIGATION

4 PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31 FOR IRRIGATION USE; NOVEMBER 1 THROUGH THE MONTH OF FEBRUARY FOR OUT-OF-SEASON IRRIGATION; YEAR ROUND FOR COMMERCIAL USE AND DOMESTIC USE FOR 500 HOUSEHOLDS

DATE OF PRIORITY: DECEMBER 17, 1993

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, NW 1/4 NW 1/4, SW 1/4 NW 1/4, SECTION 32, T27S, R14W, W.M., NW 1/4 NW 1/4, SW 1/4 NW 1/4, SECTION 5, T28S, R14W, W.M.; **SCHUMANN WELL** - 417 FEET SOUTH AND 283 FEET WEST FROM N1/4 CORNER SECTION 32; **PW5** - 27 FEET NORTH AND 382 FEET WEST FROM NW1/16 CORNER, SECTION 32; **PW4** - 377 FEET NORTH AND 173 FEET EAST FROM W1/4 CORNER, SECTION 32; **WELL 1** - 641 FEET SOUTH AND 69 FEET WEST, **WELL 2** - 632 FEET SOUTH AND 254 FEET WEST BOTH FROM W1/16 CORNER, BETWEEN SECTION 5 AND 32; **WELL 3** - 61 FEET SOUTH AND 303 FEET WEST FROM NW1/16 CORNER, SECTION 5

5 The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out-of-season irrigation. The total amount diverted shall not exceed 2.5 acre-feet for each acre irrigated each year.

Pumping Period.
T-28S / Pou/Apor

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

THE PLACE OF USE IS LOCATED AS FOLLOWS:

6

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NE 1/4 SW 1/4	39.1 ACRES		
NW 1/4 SW 1/4	40.0 ACRES		
SW 1/4 SW 1/4	40.0 ACRES		
SE 1/4 SW 1/4	38.4 ACRES		X
NW 1/4 SE 1/4	40.0 ACRES		
SW 1/4 SE 1/4	40.0 ACRES		
	SECTION 29		
NE 1/4 SE 1/4	12.0 ACRES		
SE 1/4 SE 1/4	18.0 ACRES		
	SECTION 30		
NE 1/4 NE 1/4	27.1 ACRES		
SE 1/4 NE 1/4	33.6 ACRES		
NE 1/4 SE 1/4	45.8 ACRES		
SE 1/4 SE 1/4	12.5 ACRES		
	SECTION 31		
NW 1/4 NE 1/4	40.0 ACRES		
NE 1/4 NW 1/4	34.8 ACRES		X
NW 1/4 NW 1/4	40.0 ACRES		
SW 1/4 NW 1/4	40.0 ACRES		
SE 1/4 NW 1/4	21.5 ACRES		X
NE 1/4 SW 1/4	22.3 ACRES		X
NW 1/4 SW 1/4	36.8 ACRES		X
SW 1/4 SW 1/4	5.0 ACRES		X
SE 1/4 SW 1/4	33.6 ACRES		X
NW 1/4 SE 1/4	0.5 ACRE		X
SW 1/4 SE 1/4	36.1 ACRES		
SE 1/4 SE 1/4	40.0 ACRES		
	SECTION 32		
TOWNSHIP 27 SOUTH, RANGE 14 WEST, W.M.			
NE 1/4 NE 1/4	29.4 ACRES		
NW 1/4 NE 1/4	28.11 ACRES	0.29 ACRE	
SW 1/4 NE 1/4	39.85 ACRES	0.15 ACRE	
SE 1/4 NE 1/4	35.42 ACRES	0.38 ACRE	
NE 1/4 NW 1/4	19.3 ACRES		
NW 1/4 NW 1/4	6.5 ACRES		
SW 1/4 NW 1/4	10.8 ACRES		
SE 1/4 NW 1/4	32.1 ACRES		
NE 1/4 SW 1/4	21.8 ACRES		
NW 1/4 SW 1/4	9.0 ACRES		
SW 1/4 SW 1/4	10.0 ACRES		
SE 1/4 SW 1/4	17.0 ACRES		
NE 1/4 SE 1/4	9.3 ACRES		
NW 1/4 SE 1/4	18.0 ACRES		
	SECTION 5		
NW 1/4 NE 1/4			X
NE 1/4 NW 1/4			X
	SECTION 8		
TOWNSHIP 28 SOUTH, RANGE 14 WEST, W.M.			

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

*Use of water for irrigation under this permit is limited to a development of a maximum of 500.0 acres of the potential 1024.5 acres identified in the description of the Place of Use above.

Measurement, recording and reporting conditions:

7 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.

8 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.

9 Production well locations shall be limited to the areas identified as "Alternative Well Placement Areas" in EGR and Associates document of May 27, 1997.

10 With the exception of the existing Schuman well (Coos 330), all wells used for water supply under this permit shall be constructed in a manner to case and seal off all water to a minimum depth of 80 feet below land surface.

Any future well drilling shall be coordinated with the Department for well location, well construction and the driller's collection of geologic samples.

11 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.

12 The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within 60 days of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include: 1) a 5 year program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells; 2) measure specific conductance of

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

groundwater; 3) collect and report water use data; 4) outline a mitigation plan to address future groundwater interference with surface water and salt water encroachment. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 10 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 10-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

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.

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Actual construction of the well shall begin by May 28, 1999. Complete application of water to the use shall be made on or before October 1, 2002. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued October 7, 1998

Dwight French for

Martha O. Pagel, Director
Water Resources Department

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

APPENDIX C

WELL LOGS

L69436

L74686

L75799 (replacement well for L25195)

L91192 (replacement well for Coos 330)

RECEIVED

MAY 28 2009

WATER RESOURCES DEPT
SALEM, OREGON

COOS 53004

RECEIVED COOS 53004
SEP 2 4 2004
WATER RESOURCES DEPT
SALEM, OREGON

NOV 1 6 2004
WATER RESOURCES DEPT
SALEM, OREGON

28-14-05
WELL I.D. # L 69436
START CARD # 164012

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Well Number 998 (9)
Name Bandon Dunes
Address 57744 Round Lake Dr
City Bandon State OR Zip 97411

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 199'6"
Explosives used ☐ Yes ☒ No Type Amount TOC

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
23"	0	80	Cement	0	80	63 SX
17½	73	200	Cement	50	135	66 SX

How was seal placed: Method ☒ A ☐ B ☒ C ☐ D ☐ E
☐ Other 0-80 A 50-135 C
Backfill placed from ft. to ft. Material
Gravel placed from 135 ft. to 200 ft. Size of gravel 8/12

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	18"	+1'6"	73	.250	☒	☐	☒	☐
					☐	☐	☐	☐
	10"	+1	166	.250	☒	☐	☒	☐
	10"	194'6"	199'6"	.250	☒	☐	☒	☐
Liner:	(Tail Pipe)				☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☒ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method Attached to Casing
☒ Screens Type Johnson V-wire Material SS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
166	194'6"	.050		10"	Pipe	☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
500	—	185	1 hr.
1916	40'	170'	72 hr

Temperature of water 54° Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom Bull's
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

Bandon Well & Pump Company

(9) LOCATION OF WELL by legal description:
County Coos Latitude Longitude
Township 28 N or S Range 14 E or W WM.
Section 05 SW 1/4 NE 1/4
Tax Lot 400 Lot Block Subdivision
Street Address of Well (or nearest address) West of Randolph St to New Lake, Bandon Dunes

(10) STATIC WATER LEVEL:
59'6" ft. below land surface. Date 9/17/04
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 5'

From	To	Estimated Flow Rate	SWL
5'	68	+/- 50	4'
113	129	+/- 100	?
151	192	+/- 500	59'6"

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Sandy Clay w/ wood	0	2	
Sand Fine brn w/ wood	2	15	5'
Peat w/ Sand Fine Tan	15	17	
Sand Fine Gray w/ wood	17	37	
Peat w/ wood	37	44	
Peat w/ Sand Fine grey	44	48	
Wood w/ sand F-M Gray	48	54	
Sand Fine - med Grey	54	68	
Sandy Clay w/ sand F Gray	68	79	
Peat w/ wood & Sand F Gray	79	86	
Sand w/ peaty wood + Sandy Clay Gray	86	89	
Sandy Clay Gray w/ wood + Shell	89	113	
Gravel Fine w/ Sand F-M Gray	113	127	?
Gravel F-M w/ sand F-C Gray	127	129	
Gravel F-M w/ Sandy Clay Gray	129	130	
Sandy Clay Gray	130	135	
Cont'd on Pg #2			

Date started 8/25/04 Completed 9/15/04

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
Signed Date

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed Jim Mackie MGWC Date 9/21/04

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

RECEIVED COOS 53004
SEP 2 4 2004
WATER RESOURCES DEPT
SALEM, OREGON

COOS 53004

28-14-05

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

WELL I.D. # L 69434
START CARD # 164012

(1) LAND OWNER Well Number 998 (9)
Name Bandon Dunes
Address 57744 Round Lake Dr.
City Bandon State OR Zip 97411

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

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

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

HOLE Diameter	From	To	SEAL 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	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s)

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

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

Bandon Well & Pump Company

(9) LOCATION OF WELL by legal description:
County Coos Latitude ____ Longitude ____
Township 28 N or S Range 14 E or W WM.
Section 05 SW 1/4 NE 1/4
Tax Lot 400 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) W END OF RANDOLPH S TO NEWLAKE, Bandon Dunes

(10) STATIC WATER LEVEL:
____ ft. below land surface. Date ____
Artesian pressure ____ lb. per square inch Date ____

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

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:
Ground Elevation ____

Material	From	To	SWL
Sandy Clay Gray w/ gravel Fine-Med	135	151	
Gravel F-M w/ Sand F-C Gray	151	154	596
Gravel F-C w/ Sandy Clay	154	164	
Gray + Wood (minor Fluid loss)			
Gravel F-C w/ Sand F-C	164	173	
Gray (more Fluid loss)			
Gravel F-M w/ Sand F-C Gray	173	181	
Gravel F-C w/ Sand F-C	181	192	
Gray (more Fluid loss)			
Sandy Clay Gray w/ gravel F-M + Wood	192	198	
Sandy Clay Gray w/ Gravel F-M + Shell	198	202	

RECEIVED
NOV 16 2004
WATER RESOURCES DEPT
SALEM, OREGON

Date started 8/25/04 Completed 9/15/04

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
Signed Date

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 149
Signed John Mock Jr. MGWC Date 9/21/04

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

COOS 53275

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

(#8)(Pg 1)

8-14-05
WELL I.D. # L 74686
START CARD # 147930

(1) LAND OWNER Well Number 968
Name Landon Dunes
Address 57144 Round Lake Dr.
City Bandon State OR Zip 97411

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 263'10" ft.
Explosives used ☐ Yes ☒ No Type Amount TOC

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
24"	0	30	Cement	0		9 SX
22"	30	101			101	
17½	101	260	Cement	73	192	86 SX

How was seal placed: Method ☒ A ☐ B ☒ C ☐ D ☐ E
☐ Other 0-101 A 73-192 C
Backfill placed from ft. to ft. Material
Gravel placed from 192 ft. to 260 ft. Size of gravel 3/8x6 Lo Grade Special

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	17½	+2'7	101	.250	☒	☐	☒	☐
	10"	+3'6"	229'4"	.250	☒	☐	☒	☐
	10"	258'10"	263'10"	.250	☒	☐	☒	☐
	(Tail Pipe				☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☒ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method Attached to Casing
☒ Screens Type Johnson V-wire Material SS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
229'4"	255'10"	100		10"PS	Pipe	☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
390	75	188	1 hr.
5.2 gal/Ft of DD			

Temperature of water 54° 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:

RECEIVED
JUL 21 2005
WATER RESOURCES DEPT
SALEM, OREGON

MAY 28 2009

(9) LOCATION OF WELL by legal description:
County Coos Latitude Longitude
Township 28 N or S Range 14 E or W WM.
Section 05 SE 1/4 NW 1/4
Tax Lot 400 Lot Block Subdivision
Street Address of Well (or nearest address) West of Randolph St to Round Lake, Bandon Dunes

(10) STATIC WATER LEVEL:
70' ft. below land surface. Date 7/11/05
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 2'

From	To	Estimated Flow Rate	SWL
2	83	30	2'
108	123	+/-100	?
184	190	+/-100	70'
195	208	+/-100	70
229	255	+/-800	70'

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Fill	0	2	
Sand Fine Brown	2	12	2'
Wood w/ Sand F-M Brown	12	14	
Sand F-M Brn w/ wood	14	24	
Sand F-M Gray brown	24	40	
Wood w/peat + Sand gray brn	40	45	
Peat	45	47	
Sand F-M w/ Peat + wood	47	63	
Peat w/ wood + Sand Fine-	63	65	
medium Gray brown			
Sand F-M gray brn w/ Peat lens	65	68	
Sand Fine-Med Gray brn	68	83	
Sandy Clay Gray	83	97	
Sandy Clay Gray w/ Shell	97	105	
Silty Clay Gray	105	108	
Gravel Fine-Med Colored	108	112	?
Gravel Med-Ces-Fine	112	123	?
Green Colored			
Continued on Pg #2			

Date started 4/22/04 Completed

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
Signed WWC Number 1759 Date 7/16/05

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
Signed WWC Number 1493 Date 7/16/05

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

WATER RESOURCES DEPT
SALEM, OREGON

COOS 53275

28-14-05

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form. (Pg #2)

WELL I.D. # L 74686
START CARD # 147930

(1) LAND OWNER Well Number 968
Name Braden Dunes
Address 57744 Round Lake Dr.
City Braden State OR Zip 97411

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

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

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

HOLE Diameter	From	To	SEAL 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	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s) ____

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

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☐ 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: ____

RECEIVED
JUL 21 2005
WATER RESOURCES DEPT
SALEM, OREGON

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

(9) LOCATION OF WELL by legal description:
County Coos Latitude ____ Longitude ____
Township 28 N or S Range 14 E or W WM.
Section 05 SE 1/4 NW 1/4
Tax Lot 400 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) W END OF RANDOLPH S TO New Lake, Braden Dunes

(10) STATIC WATER LEVEL:
____ ft. below land surface. Date ____
Artesian pressure ____ lb. per square inch Date ____

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

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:
Ground Elevation ____

Material	From	To	SWL
Sandy Clay Gray	123	137	
Soft Sandstone + Sandy Clay Green	137	147	
Gravel CRS - Fine green gray	147	149	
Sandy Clay Green gray	149	166	
Gravel CRS - Fine Green gray	166	167	
Sandy Clay green w/ Gravel	167	178	
Sandy Clay green gray	178	184	
Gravel M-C-F green gray	184	190	70'
Sandy Clay Gray	190	195	
Gravel M-F green gray	195	208	70'
Sandy Clay Gray	208	218	
Sandy Clay Gray w/ wood	218	229	
Gravel M-F green w/ wood	229	239	70'
Gravel M-C-F w/ Shell & Wood	239	250	1
Gravel CRS - Fine w/ Shell	250	255	1
Sandstone gray Hard	255	260	

Date started 4/22/04 Completed 7/11/05

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed ____ Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed John Mack Jr. MGWC Date 7/18/05

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

COOS 53357

RECEIVED

OCT 14 2005

WATER RESOURCES DEPT
SALEM, OREGON

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

WELL I.D. # L 75799

START CARD # 173866

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Well Number 1089
Name BANDON DUNES
Address 57744 Bandon Lake Drive
City Bandon State OR Zip 97411

(2) TYPE OF WORK ☒ New Well
☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment ☐ Conversion

(3) DRILL METHOD
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Other

(4) PROPOSED USE
☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION Special Construction: ☐ Yes ☒ No
Depth of Completed Well 124'6" ft. TOC
Explosives used: ☐ Yes ☒ No Type Amount

BORE HOLE Diameter	From	To	SEAL Material	From	To	Sacks or Pounds
17 1/2	0	125	Cement	40	BB	395X
			Bentonite	0	40	Bento 56SX

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☒ Other C - Cement Bentonite Poured From Surface
Backfill placed from ft. to ft. Material
Gravel placed from BB ft. to 124 ft. Size of gravel 8/12-6/9

(6) CASING/LINER

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	10"	+1	109'6"	Sch 40	☐	☒	☒	☐
	10"	119'6"	124'6"	Sch 40	☐	☒	☐	☐
	(Tail Pipe)				☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	14"	+1'1"	4'	.250	☒	☐	☐	☐
	(Protective Casing)				☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☒ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS
☐ Perforations Method Attached To Casing
☒ Screens Type Johnson V-wire Material SS

From	To	Slot Size	Number	Diameter	Tele/pipe size	Casing	Liner
109'6"	119'6"	.060		10"	Pipe	☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
100		124	

Temperature of water 53° Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom BW+P
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

(9) LOCATION OF WELL (legal description)
County COOS
Tax Lot 100/200 Lot
Township 28 N or (S) Range 14 E or (W) WM
Section 05 NW 1/4 NW 1/4
Lat ° ' " or (degrees or decimal)
Long ° ' " or (degrees or decimal)
Street Address of Well (or nearest address) Round Lake Drive Bandon

(10) STATIC WATER LEVEL
61' ft. below land surface. Date 10/11/05
ft. below land surface. Date
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES
Depth at which water was first found 26'

From	To	Estimated Flow Rate	SWL
26	56	+/- 20	26
108	118	+/- 100	61'

(12) WELL LOG Ground Elevation +/- 100'

Material	From	To	SWL
Sand F Brown	0	3	
Peat	3	5	
Sand Fine brown	5	11	
Peat w/ sand F brown	11	12	
Sand Fine brown	12	24	
Sandy Clay w/ peat + Sand brn	24	26	
Sand Fine brown	26	56	26
Peat w/ wood + gravel Fine	56	58	
Sandy Clay blue green	58	65	
Sandy Clay green gray w/ Gravel F	65	69	
Sandy Clay brn w/ (Rock) F-M	69	76	
Sandy Clay green gray	76	83	
Sandy Clay brn w/ gravel F sand	83	108	
Gravel C-F w/ Sand C gray brn	108	118	61
Sandy Clay Gray	118	124	

Date Started 10/4/05 Completed 10/11/05

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number Date

Signed

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, 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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493 Date 10/12/05

Signed Jim Mack L. MGWC
Bandon Well & Pump Company

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER 06/16/2004

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765 & OAR 690-205-0210)

COOS 54287

07-18-2008

WELL LABEL # L 91192

START CARD # 123873

(1) LAND OWNER

Owner Well I.D. 1265 (Shuman)

First Name Michael Last Name Keiser

Company Bandon Dunes

Address 57744 Round Lake Drive

City Bandon State OR Zip 97411

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Conversion ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD

☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud ☐ Reverse Rotary ☐ Other

(4) PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Community ☐ Industrial/ Commericial ☐ Livestock ☐ Dewatering ☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION

Special Standard ☐ Attach copy

Depth of Completed Well 70.33 ft.

BORE HOLE Dia	From	To	SEAL Material	From	To	Amt	sacks/ lbs
15	0	71	Bentonite	0	30	30	S
6	71	78	Cement	72	78	1	S

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

☒ Other Pour from surface

Backfill placed from ft. to ft. Material

Filter pack from 30 ft. to 71 ft. Material Sand Size 6/9 8/12

Explosives used: ☐ Yes Type Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
◉	○	10	☒	1	51.33	sch40		◉	☒	
◉	○	10		66.33	70.33	sch40		◉	☒	
◉	○	13.5	☒	1.5	4	.250	◉			
○	○						○	○		
○	○						○	○		

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s)

Temp casing ☐ Yes Dia From To

(7) PERFORATIONS/SCREENS

Perforations Method

Screens Type Johnson V-Wire Material S S

Perf/Screen	Casing/ Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen		10	51.33	60.33	.031			10
Screen		10	60.33	66.33	.075			10

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

◉ Pump ○ Bailer ○ Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
122	16.2	66	72

Temperature 54 °F Lab analysis ☐ Yes By

Water quality concerns? ☐ Yes (describe below)

From	To	Description	Amount	Units

RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

(9) LOCATION OF WELL (legal description)

County Coos Twp 27.00 S N/S Range 14.00 W E/W WM

Sec 29 NW 1/4 of the SE 1/4 Tax Lot 1300

Tax Map Number Lot

Lat ° ' " or DMS or DD

Long ° ' " or DMS or DD

◉ Street address of well ○ Nearest address

57744 Round Lake Drive

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Predeepening			☐	
Completed Well	07-09-2008		☒	33.6

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES Depth water was first found 33.58

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
07-03-2008	33.58	66	125		☐	33.6
					☐	
					☐	
					☐	
					☐	

(11) WELL LOG

Ground Elevation 100

Material	From	To
Sandy clay brown	0	2
Cemented sand brown	2	3
Sand fine tan brown	3	23
Sandy clay white	23	24
Sand fine tan	24	37
Sand c-f w/gravel fine orange & sandy clay tan	37	39
Sand coarse-fine brown	39	52
Sand coarse-fine w/gravel fine brown	52	60
Gravel fine-medium w/sand coarse-fine gray brown	60	65
Gravel medium-fine w/ sand c-f gray & wood	65	66
Clay gray	66	68
Claystone gray	68	75
Sandstone gray	75	78

Date Started 05-01-2008 Completed 07-09-2008

(unbonded) Water Well Constructor Certification

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

License Number 1759 Date 07-18-2008

Electronically Filed

Signed CHRISTOPHER L KERSEY (E-filed)

(bonded) Water Well Constructor Certification

I accept responsibility for the construction, deepening, 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 water supply well construction standards. This report is true to the best of my knowledge and belief.

License Number 1493 Date 07-18-2008

Electronically Filed

Signed JAMES A MACK SR (E-filed)

Contact Info (optional) BANDON WELL & PUMP COMPANY (541) 347-7867

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

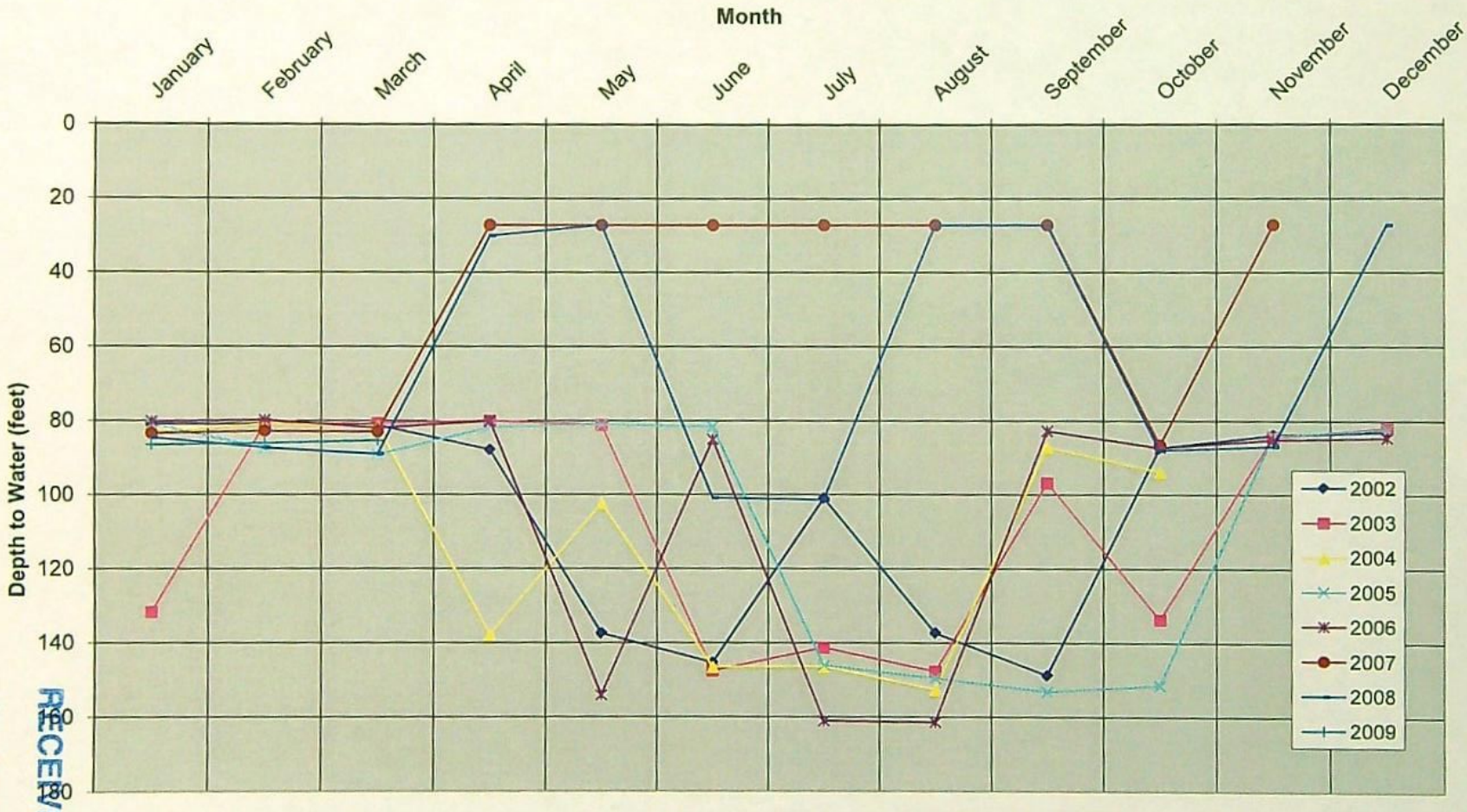
Form Version: 0.89

APPENDIX D

Groundwater Level Data Compiled by Bandon Dunes Staff

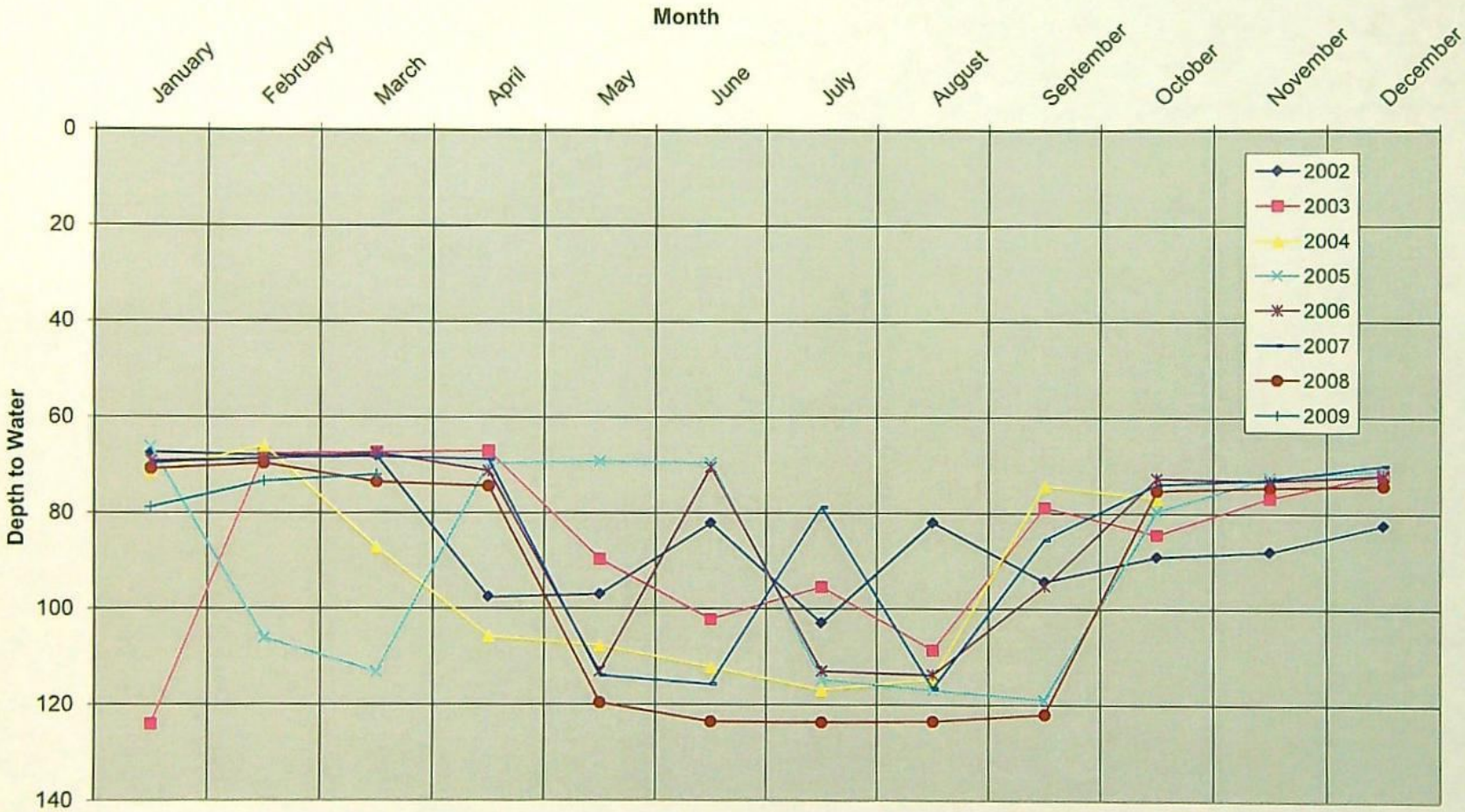
RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Well L10848



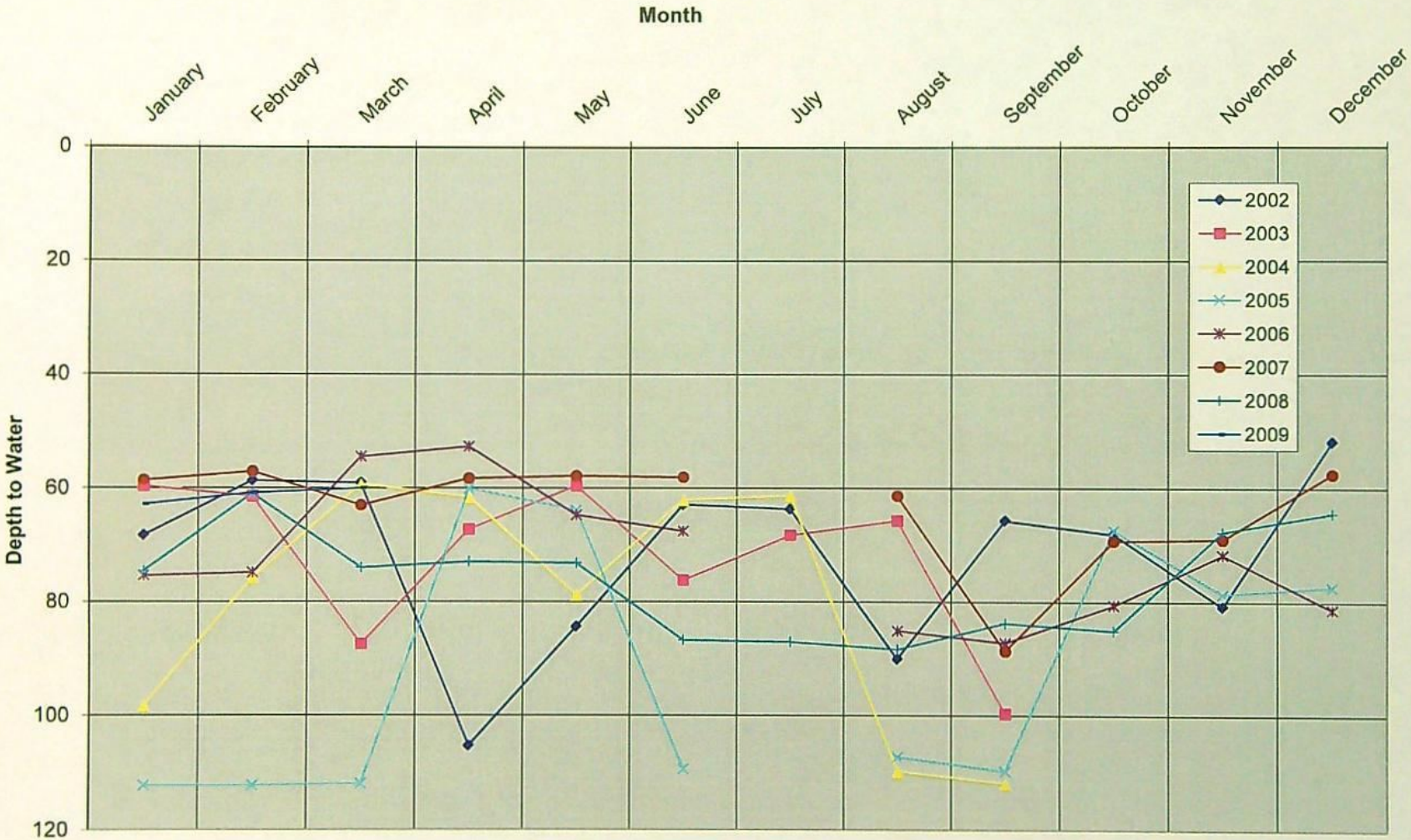
RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Well L18620



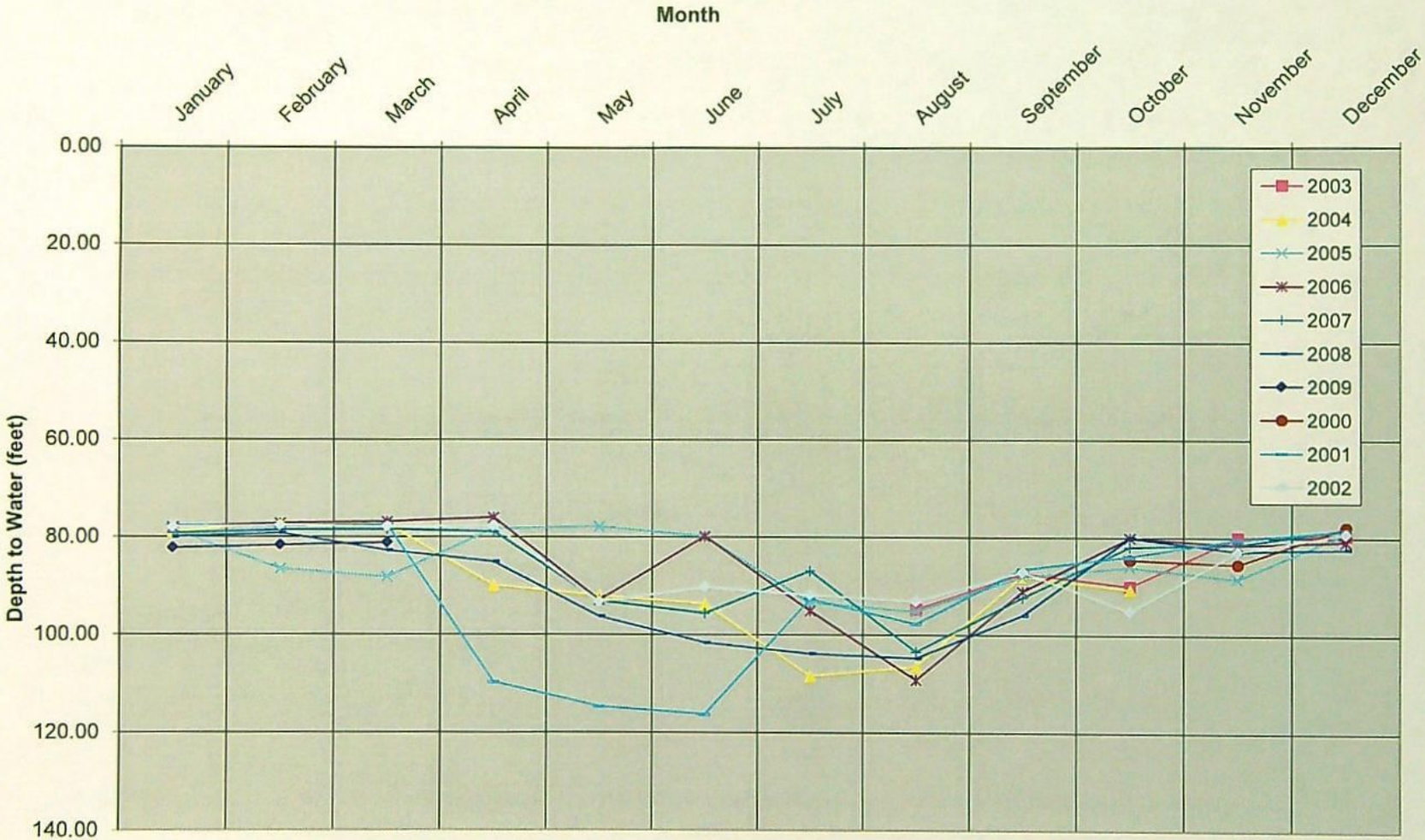
RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Well L25195



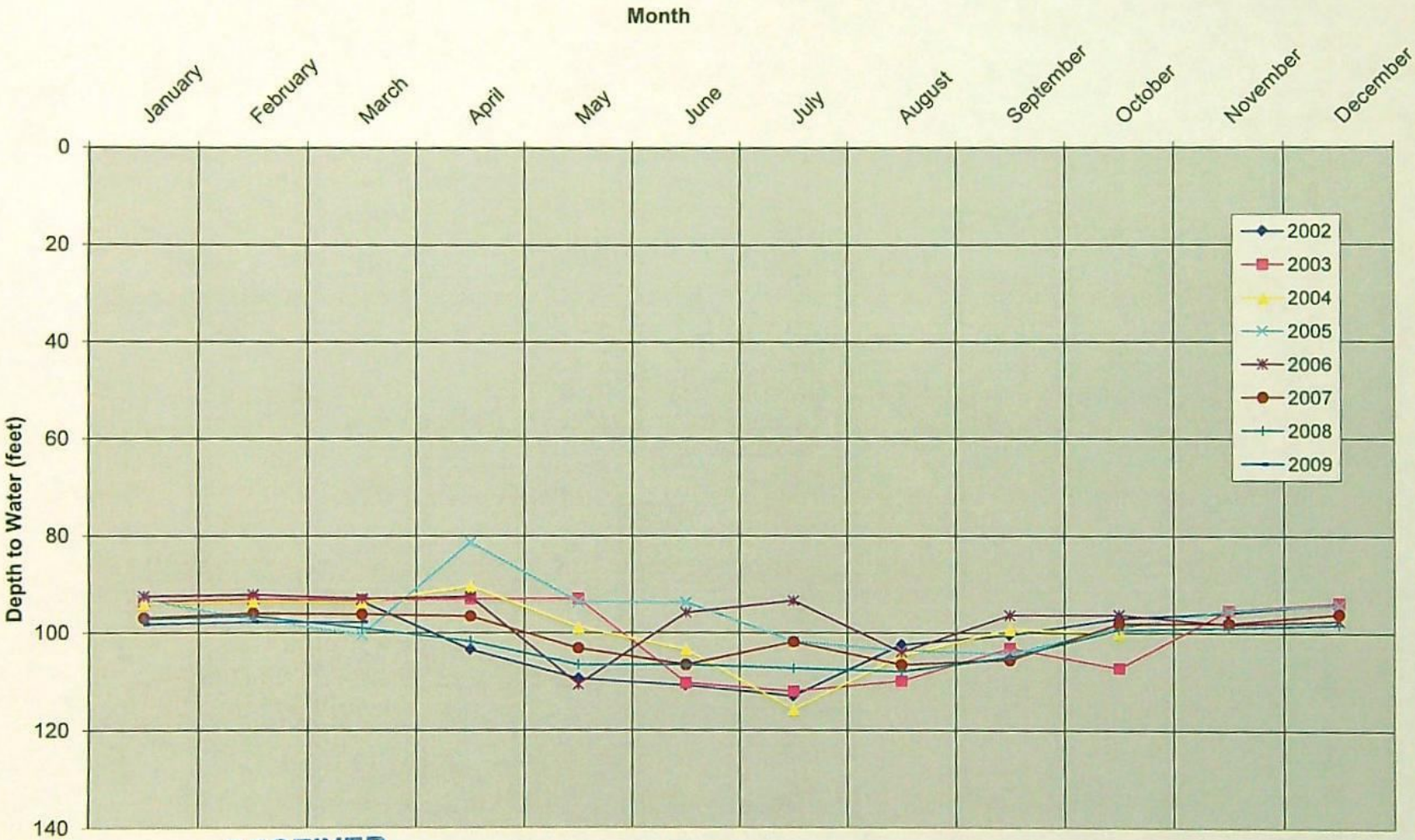
RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Well L34007



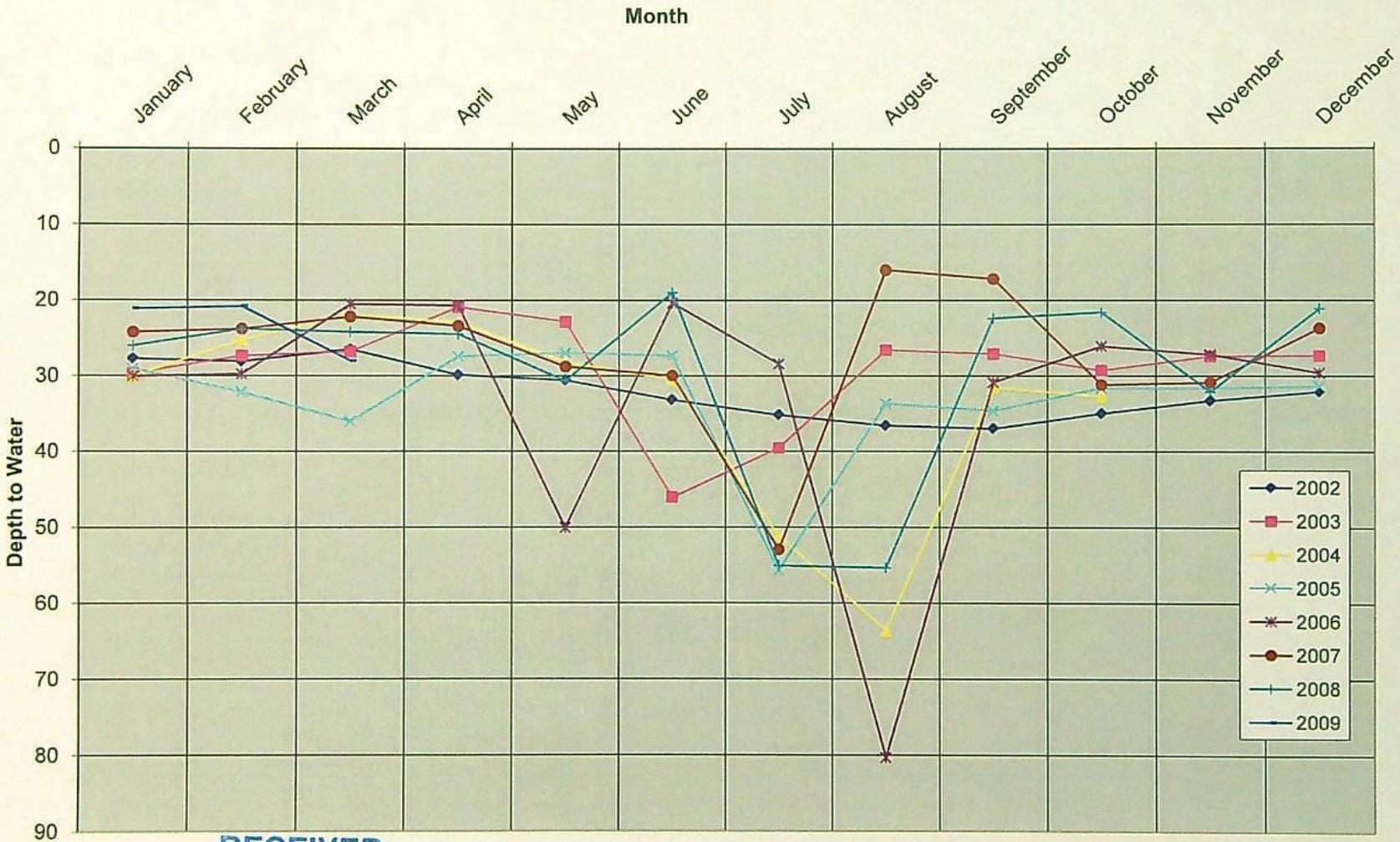
RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Well L34008



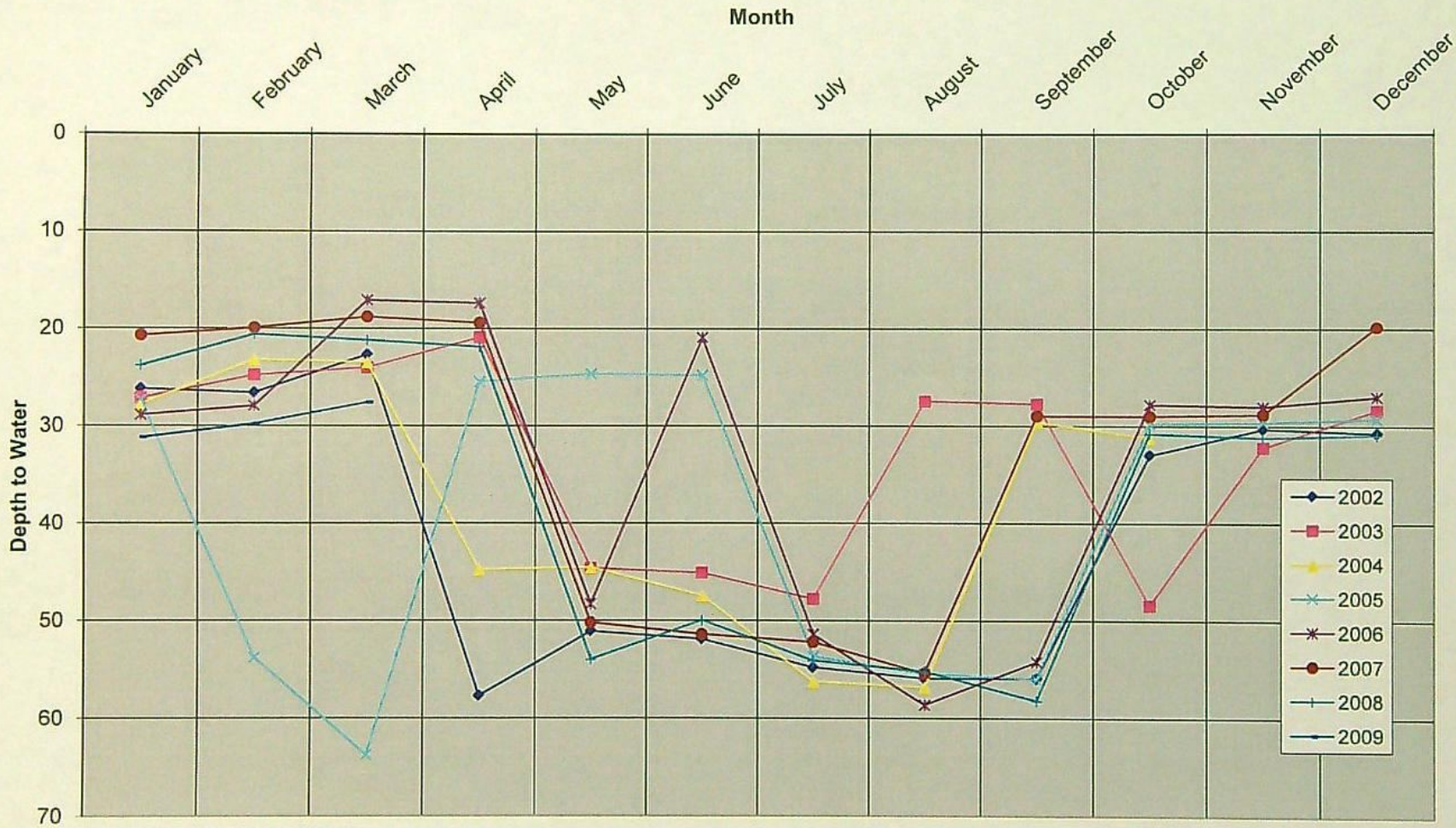
RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Well L34018



RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Well L34030



RECEIVED
MAY 28 2009
WATER RESOURCES DEPT
SALEM, OREGON

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-13577

Final Order[1]
Extension of Time for Permit Number G-13498

Application History
On OCTOBER 7, 2002, BANDON DUNES LIMITED PARTNERSHIP submitted an application to the Department for an extension of time for permit number G-13498. The Department issued permit number G-13498 on OCTOBER 7, 1998. The permit called for complete application of water to the full beneficial use by OCTOBER 1, 2002. In accordance with OAR 690-315-0050(2), on JULY 29, 2003, the Department issued a Proposed Final Order proposing to extend the time to fully apply water to beneficial use to OCTOBER 1, 2022. The protest period closed SEPTEMBER 12, 2003, in accordance with OAR 690-315-0060(1). No protest was filed.

The applicant has demonstrated good cause for the permit extension pursuant to ORS 537.230, 537.248, 537.630, 539.010(5) and/or OAR 690-315-0040(2).

At time of issuance of the Proposed Final Order the Department concluded that, based on the factors demonstrated by the applicant, the permit may be extended subject to the following conditions:

CONDITIONS

In accordance with OAR 690-315-0050(6), the permittee must submit a written progress report to the Department by October 1, of the years 2008, 2013 and 2018. 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;

---

[1] ***Appeal Rights***
Under the provisions of ORS 536.075, 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. ORS 183.484.

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.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.

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 may jeopardize continued development under the permit.

The Department will take into consideration annual reports submitted under OAR Chapter 690, Division 86 or ORS 537.099, and any other report that demonstrates diligence.

Other reports, however, are not a substitute for the progress reports and anything submitted must clearly show that diligence towards perfecting the water right permit is being attempted.

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

a) request the permittee to submit additional information with which to evaluate diligence; or

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 any 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.

Order

The extension of time for Application Number G-13577, Permit Number G-13498, therefore, is approved. The deadline for applying water to full beneficial use is extended to OCTOBER 1, 2022.

DATED: October 2, 2003

Paul R. Cleary, Director

NOTE: *Include a copy of the "Important Notice" document along with the original copy of the Final Order being sent to the permit holder.*

Mailing List for Extension FO Copies

Application #G-13577 FO Date: October 2, 2003
Permit #G-13498

Copies Mailed
By: (SUPPORT STAFF)
on: (DATE)

Original mailed to:

Applicant: **Bandon Dunes Limited Partnership**
Attn: Howard McKee
2130 Lincoln Park West
Chicago, IL 60614

For Extension PFO's - Copies sent to:

1. WRD - Appl. File #G-13577 / Permit #G-13498
2. WRD - Watermaster District: #19 - Mitch Lewis, Coquille
3. WRD - Regional Manager: SWR - Grants Pass
4. WRD - Transfer Tech: Kelly Starnes, Salem
5. WRD - Jonnine Fuss, Salem...*Permit record update*

Other interested parties:

6. **Bandon Dunes Limited Partnership**
Attn: Howard McKee
57744 Round Lake Drive
Bandon, OR 97411

CASEWORKER: **LJJ**

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

BANDON DUNES LIMITED PARTNERSHIP
C/O Stastnybrun Architects Inc.
Donald Stastny
2309 SW 1ST 1145
PORTLAND, OR 97201

REFERENCE: Application G-13577 / Permit G-13498

Dear Permit Holder:

The Water Right Services Division received your 2008 written progress report for Permit G-13498. Receipt of the progress report was published on the Department's weekly Public Notice, dated April 8, 2014. The Department did not receive any public comment on the progress report.

After reviewing your Progress Report, the Department determined that diligence toward completion of the project and compliance with the terms and conditions of the permit and extension has been demonstrated.

Your next written progress report for Permit G-13498 was due no later than **October 1, 2013**. The report must be received by the Department as soon as possible. You also have a future report that will be due by October 1, 2018.

For your convenience, I have enclosed your 2013 *Progress Report Form.*

As per your most recent extension, the date by which water must be applied to full beneficial use within the terms and conditions of your permit is October 1, 2022. ***Failure to submit a written progress report will most likely result in any future extensions being denied.***

If you have any questions, please feel free to contact me by telephone at (503) 986-0825.

Sincerely,

Steven Parrett 6-19-14

Steven Parrett
Adjudication and Extensions Specialist
Water Right Services Division

Enclosure

cc: Application G-13577
Watermaster District 19 – MITCH LEWIS

Route Slip…..Extension of Time Progress Report

1. Extension Specialist: Progress Report Review

Date Report was Due: 10/1/2008 (= "Deadline Date" for the corresponding ECP work flow record in WRIS)

Date Report Received: 5/29/2009

Report Complete: ☒ YES

☐ NO – Send letter requesting missing information.

☐ letter mailed on: _____

2. Support Staff: Publish on the Department's Public Notice

☒ **315** ☐ **320** OAR Division under which Progress Report was required

☑ Publish on Public Notice Date: 4-8-14

☑ Update workflow in WRIS

- (Fill in Extension Checkpoint 'Completed Date' in appropriate "ECP" work flow record and
- add record for Checkpoint Public Notice ("EPR" or "EP2")

☑ **Return file to** Steve Parrett.

3. Extension Specialist: Prepare Progress Report Confirmation Letter

See progress report procedures.doc (date / mail out after 30 day comment period)

Date Confirmation Letter Needed: 5/12/2014

☑ Update Progress Report Worksheet.xls

6-19-14 ☑ Send to permit holder + anyone who made comments after 30 day public notice

CC: Watermaster Mitch Lewis

File G-13577

PUBLIC NOTICE INFORMATION

Permit Holder's Name: Bandon Dunes Limited Partnership Attn: Stastnybrun Architects Inc.

Application: G-13577

Permit: G-13498

County: Coos

Source: Six wells in the Cut Creek Basin

Use: Commercial Use, Domestic use serving 500 households, and irrigation and out-of-season irrigation of a total of 500.0 acres

G-13577

BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Permit Amendment T-10719, Coos County	)	**FINAL ORDER**
	)	APPROVING A CHANGE IN PLACE
	)	OF USE AND A CHANGE IN POINT
	)	OF APPROPRIATION

Authority

ORS 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

Bandon Dunes Limited Partnership
2130 Lincoln Park North
Chicago, IL 60614

Findings of Fact

Background

1. On October 28, 2008, Bandon Dunes Limited Partnership filed an application to change the place of use and to replace the New Schuman Well with Well L91192 under Permit G-13498. The Department assigned the application number T-10719.

2. On February 6, 2008, the applicant's agent, Ron Blegen of Golder Associates Inc., requested that Well 2007A be withdrawn from Permit G-13498.

3. The permit to be amended is as follows:

Permit: G-13498 in the name of Bandon Dunes Limited Partnership
Use: Commercial use, domestic use serving 500.0 households, and irrigation and out-of-season irrigation of a total of 500.0 acres
Priority Date: December 17, 1993
Quantity: 3.55 cubic feet per second (cfs), being 0.46 cfs for domestic use for 500 households and commercial use and 3.09 for irrigation.
Rate/Duty: The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for

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

out-of-season irrigation. The total amount diverted shall not exceed 2.5 acre-feet for each acre irrigated each year

Period of Use: March 1 through October 31 for irrigation use; November 1 through the month of February for out-of-season irrigation; year round for commercial use and domestic use for 500 households

Source: 16 wells, in the Cut Creek Basin

Authorized Points of Appropriation:

Township		Range		Meridian	Sec	¼ ¼		Measured Distances
27	S	14	W	W.M.	29	NE	SW	Well L34030 – 1674 feet North and 1451 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34008 – 1354 feet North and 646 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34018 – 2515 feet North and 1169 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	SW	SW	Well L34007 – 325 feet North and 638 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SE	New Schuman Well – 1549 feet North and 2756 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	32	NW	NW	PW5 – 27 feet North and 382 feet West from the NW 1/16 Corner of Section 32.
27	S	14	W	W.M.	32	NW	NW	PW6 – 733 feet South and 1130 feet East from the NW Corner of Section 32.
27	S	14	W	W.M.	32	SW	NW	PW4 – 377 feet North and 173 feet East from the W¼ Corner of Section 32.
28	S	14	W	W.M.	5	NW	NW	Well 1 – 641 feet South and 69 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well 2 – 632 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well L44790 – 432 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	SW	NW	Well 3 – 61 feet South and 303 feet West from the NW 1/16 Corner of Section 5.
28	S	14	W	W.M.	5	SW	NW	Well 2007A – 95 feet North and 715 feet East from the W¼ Corner of Section 5.
28	S	14	W	W.M.	5	NW	SW	Well L69436 – South 232.30° West 5222.22 feet from the NE Corner of Section 5.
28	S	14	W	W.M.	5	SW	SW	Well L74686 – South 230.04° West 5851.13 feet from the NE Corner of Section 5.
28	S	14	W	W.M.	5	SW	SW	Well 2007B – Latitude: 43° 10' 07.0" North, Longitude: 124° 23' 32.3" West

Authorized Place of Use:

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
27	S	14	W	W.M.	20	SE	SW	13.20
27	S	14	W	W.M.	20	SW	SE	4.72
27	S	14	W	W.M.	29	NW	NE	19.97
27	S	14	W	W.M.	29	SW	NE	28.00
27	S	14	W	W.M.	29	NE	NW	40.00
27	S	14	W	W.M.	29	NW	NW	22.40
27	S	14	W	W.M.	29	SW	NW	40.00
27	S	14	W	W.M.	29	SE	NW	33.90
27	S	14	W	W.M.	29	NE	SW	20.40
27	S	14	W	W.M.	29	NW	SW	40.00
27	S	14	W	W.M.	29	SW	SW	40.00
27	S	14	W	W.M.	29	SE	SW	31.30
27	S	14	W	W.M.	29	SW	SE	36.70
27	S	14	W	W.M.	30	NE	NE	2.50
27	S	14	W	W.M.	30	SE	NE	8.35
27	S	14	W	W.M.	30	NE	SE	13.10
27	S	14	W	W.M.	30	SE	SE	18.00
27	S	14	W	W.M.	31	NE	NE	27.10
27	S	14	W	W.M.	31	SE	NE	34.10
27	S	14	W	W.M.	31	NE	SE	49.20
27	S	14	W	W.M.	31	NW	SE	0.40
27	S	14	W	W.M.	31	SW	SE	0.40
27	S	14	W	W.M.	31	SE	SE	17.60
27	S	14	W	W.M.	32	NW	NE	40.00
27	S	14	W	W.M.	32	NE	NW	34.80
27	S	14	W	W.M.	32	NW	NW	40.00
27	S	14	W	W.M.	32	SW	NW	40.00
27	S	14	W	W.M.	32	SE	NW	21.50
27	S	14	W	W.M.	32	NE	SW	22.30
27	S	14	W	W.M.	32	NW	SW	36.80
27	S	14	W	W.M.	32	SW	SW	23.70
27	S	14	W	W.M.	32	SE	SW	19.05
27	S	14	W	W.M.	32	NW	SE	0.50
27	S	14	W	W.M.	32	SW	SE	32.67
27	S	14	W	W.M.	32	SE	SE	5.20
28	S	14	W	W.M.	5	NE	NE	8.45

IRRIGATION							
Township		Range		Meridian	Sec	¼ ¼	Acres
28	S	14	W	W.M.	5	NW NE	23.46
28	S	14	W	W.M.	5	SW NE	17.00
28	S	14	W	W.M.	5	NE NW	30.00
28	S	14	W	W.M.	5	NW NW	22.00
28	S	14	W	W.M.	5	SW NW	9.25
28	S	14	W	W.M.	5	SE NW	33.10
28	S	14	W	W.M.	5	NE SW	17.56
28	S	14	W	W.M.	5	NW SW	3.00
28	S	14	W	W.M.	5	SE SW	2.00

SUPPLEMENTAL IRRIGATION							
Township		Range		Meridian	Sec	¼ ¼	Acres
28	S	14	W	W.M.	5	NW NE	0.29
28	S	14	W	W.M.	5	SW NE	0.15
28	S	14	W	W.M.	5	SE NE	0.38

COMMERCIAL							
Township		Range		Meridian	Sec	¼ ¼	
27	S	14	W	W.M.	29	SE	SW
27	S	14	W	W.M.	32	NE	NW
27	S	14	W	W.M.	32	SE	NW
27	S	14	W	W.M.	32	NE	SW
27	S	14	W	W.M.	32	NW	SW
27	S	14	W	W.M.	32	SW	SW
27	S	14	W	W.M.	32	SE	SW
27	S	14	W	W.M.	32	NW	SE
28	S	14	W	W.M.	8	NW	NE
28	S	14	W	W.M.	8	NE	NW

4. Permit Amendment Application T-10719 proposes to change the place of use of the permit to:

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
27	S	14	W	W.M.	20	NE	SW	6.10
27	S	14	W	W.M.	20	SW	SW	10.80
27	S	14	W	W.M.	20	SE	SW	17.60
27	S	14	W	W.M.	20	NW	SE	1.00
27	S	14	W	W.M.	20	SW	SE	8.30
27	S	14	W	W.M.	29	NW	NW	13.66
27	S	14	W	W.M.	29	SW	NW	18.90
27	S	14	W	W.M.	29	SE	NW	6.10
27	S	14	W	W.M.	29	NE	SW	18.40
27	S	14	W	W.M.	29	NW	SW	33.40
27	S	14	W	W.M.	29	SW	SW	40.00
27	S	14	W	W.M.	29	SE	SW	31.30
27	S	14	W	W.M.	29	NW	SE	40.00
27	S	14	W	W.M.	29	SW	SE	4.30
27	S	14	W	W.M.	30	NE	NE	2.50
27	S	14	W	W.M.	30	SE	NE	8.35
27	S	14	W	W.M.	30	NE	SE	13.10
27	S	14	W	W.M.	30	SE	SE	18.00
27	S	14	W	W.M.	31	NE	NE	27.10
27	S	14	W	W.M.	31	SE	NE	34.10
27	S	14	W	W.M.	31	NE	SE	49.20
27	S	14	W	W.M.	31	NW	SE	0.40
27	S	14	W	W.M.	31	SW	SE	0.40
27	S	14	W	W.M.	31	SE	SE	17.60
27	S	14	W	W.M.	32	NW	NE	40.00
27	S	14	W	W.M.	32	NE	NW	34.80
27	S	14	W	W.M.	32	NW	NW	40.00
27	S	14	W	W.M.	32	SW	NW	40.00
27	S	14	W	W.M.	32	SE	NW	21.50
27	S	14	W	W.M.	32	NE	SW	22.30
27	S	14	W	W.M.	32	NW	SW	36.80
27	S	14	W	W.M.	32	SW	SW	23.70
27	S	14	W	W.M.	32	SE	SW	19.05
27	S	14	W	W.M.	32	NW	SE	0.50
27	S	14	W	W.M.	32	SW	SE	32.67

IRRIGATION							
Township		Range		Meridian	Sec	¼ ¼	Acres
27	S	14	W	W.M.	32	SE SE	5.20
28	**S**	**14**	**W**	**W.M.**	**5**	**NE NE**	**40.00**
28	**S**	**14**	**W**	**W.M.**	**5**	**NW NE**	**40.00**
28	**S**	**14**	**W**	**W.M.**	**5**	**SW NE**	**20.50**
28	S	14	W	W.M.	5	NE NW	30.00
28	S	14	W	W.M.	5	NW NW	22.00
28	**S**	**14**	**W**	**W.M.**	**5**	**SW NW**	**1.50**
28	S	14	W	W.M.	5	SE NW	33.10
28	S	14	W	W.M.	5	NE SW	17.56
28	**S**	**14**	**W**	**W.M.**	**5**	**NW SW**	**6.60**
28	**S**	**14**	**W**	**W.M.**	**5**	**SW SW**	**2.00**
28	**S**	**14**	**W**	**W.M.**	**5**	**SE SW**	**1.40**

SUPPLEMENTAL IRRIGATION							
Township		Range		Meridian	Sec	¼ ¼	Acres
28	S	14	W	W.M.	5	NW NE	0.29
28	S	14	W	W.M.	5	SW NE	0.15
28	S	14	W	W.M.	5	SE NE	0.38

COMMERCIAL							
Township		Range		Meridian	Sec	¼ ¼	
27	S	14	W	W.M.	29	SE	SW
27	S	14	W	W.M.	32	NE	NW
27	S	14	W	W.M.	32	SE	NW
27	S	14	W	W.M.	32	NE	SW
27	S	14	W	W.M.	32	NW	SW
27	S	14	W	W.M.	32	SW	SW
27	S	14	W	W.M.	32	SE	SW
27	S	14	W	W.M.	32	NW	SE
28	S	14	W	W.M.	8	NW	NE
28	S	14	W	W.M.	8	NE	NW

The change place of use is in bold type.

5. The permittee has requested to remove Wells 2007A, 2007B, and the New Schuman Well (COOS 330) from Permit G-13498. Well L91192, located approximately 5 feet away from the New Schuman Well, will replace the New Schuman Well. The revised authorized points of appropriation are as follows:

Township		Range		Meridian	Sec	¼	¼	Measured Distances
27	S	14	W	W.M.	29	NE	SW	Well L34030 – 1674 feet North and 1451 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34008 – 1354 feet North and 646 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34018 – 2515 feet North and 1169 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	SW	SW	Well L34007 – 325 feet North and 638 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SE	Well L91192 – Latitude: 43°12'03" North, Longitude: 124°23'09" West
27	S	14	W	W.M.	32	NW	NW	PW5 – 27 feet North and 382 feet West from the NW 1/16 Corner of Section 32.
27	S	14	W	W.M.	32	NW	NW	PW6 – 733 feet South and 1130 feet East from the NW Corner of Section 32.
27	S	14	W	W.M.	32	SW	NW	PW4 – 377 feet North and 173 feet East from the W¼ Corner of Section 32.
28	S	14	W	W.M.	5	NW	NW	Well 1 – 641 feet South and 69 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well 2 – 632 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well L44790 – 432 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	SW	NW	Well 3 – 61 feet South and 303 feet West from the NW 1/16 Corner of Section 5.
28	S	14	W	W.M.	5	NW	SW	Well L69436 – South 232.30° West 5222.22 feet from the NE Corner of Section 5.
28	S	14	W	W.M.	5	SW	SW	Well L74686 – South 230.04° West 5851.13 feet from the NE Corner of Section 5.

6. Notice of the application for the permit amendment was published in the Department's weekly notice on December 2, 2008 pursuant to ORS 540.520(5). No comments were filed in response to the notice.

Permit Amendment Review Criteria

7. The changes would not result in injury to other water rights.

8. The proposed place of use is owned and/or controlled by the permit holder.

9. The changes do not enlarge the permit.

10. The changes do not alter any other terms of the permit.

11. The proposed place of use is contiguous to the authorized place of use.

Conclusions of Law

The change in place of use proposed by Permit Amendment Application T-10719 is consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

The change and subsequent use of water shall be subject to the following conditions:

1. The former place of use shall no longer be irrigated as part of this permit.

2. The quantity of water diverted at the new point of appropriation (Well L91192) shall not exceed the quantity of water lawfully available at the original point of appropriation (New Schuman Well (COOS 330).

3. Water shall be acquired from the same aquifer as the original point of appropriation (New Schuman Well (COOS 330).

4. All other terms and conditions of Permit G-13498 remain the same.

5. Permit G-13498, in the name of Bandon Dunes Limited Partnership, is amended as described herein.

Dated at Salem, Oregon this 21st day of January, 2009.

William E. Ferber

Phillip C. Ward,
Director

Mailing Date: JAN 22 2010

G-13577

BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Permit Amendment T-11087, Coos County	)	**FINAL ORDER**
	)	APPROVING A CHANGE IN PLACE
	)	OF USE

Authority

ORS 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

Bandon Dunes Limited Partnership
C/O Donald J. Stastny
StastnyBrun Architects Inc.
1630 SW Morrison Suite 210
Portland OR 97205

Findings of Fact

Background

1. On June 8, 2010, Bandon Dunes Limited Partnership filed an application to change in place of use under Permit G-13498. The Department assigned the application number T-11087.

2. The permit to be amended is as follows:

Permit:	G-13498, in the name of Bandon Dunes Limited Partnership (as previously amended by T-8861, Special Order Vol. 56, Page 907; T-9647, Special Order Vol. 59, Page 435; T-9782, Special Order Vol. 70, Page 285; T-10476, Special Order Vol. 74, Page 681; T-10719, Special Order Vol. 80, Page 59)
Use:	Commercial use, domestic use serving 500 households, and irrigation and out-of-season irrigation of a total of 500.0 acres.
Priority Date:	December 17, 1993
Quantity:	3.55 cubic feet per second (cfs); being 0.46 cfs for domestic use for 500 households and commercial use, and 3.09 cfs for irrigation.

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

Rate/Duty: The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out-of-season irrigation. The total amount diverted shall not exceed 2.5 acre-feet for each acre irrigated each year.

Period of Use: March 1 through October 31 for irrigation use; November 1 through the month of February for out-of-season irrigation; year round for commercial use and domestic use for 500 households

Sources: Fourteen wells within the Cut Creek Basin

Authorized Points of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
27 S	14 W	WM	29	NE SW	Well L34030 – 1674 feet North and 1451 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27 S	14 W	WM	29	NW SW	Well L34008 – 1354 feet North and 646 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27 S	14 W	WM	29	NW SW	Well L34018 – 2515 feet North and 1169 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27 S	14 W	WM	29	SW SW	Well L34007 – 325 feet North and 638 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27 S	14 W	WM	29	NW SE	Well L91192 – Latitude: 43°12'03" North, Longitude: 124°23'09" West
27 S	14 W	WM	32	NW NW	PW5 – 27 feet North and 382 feet West from the NW 1/16 Corner of Section 32.
27 S	14 W	WM	32	NW NW	PW6 – 733 feet South and 1130 feet East from the NW Corner of Section 32.
27 S	14 W	WM	32	SW NW	PW4 – 377 feet North and 173 feet East from the W¼ Corner of Section 32.
28 S	14 W	WM	5	NW NW	Well 1 – 641 feet South and 69 feet West from the W 1/16 Corner between Sections 5 and 32.
28 S	14 W	WM	5	NW NW	Well 2 – 632 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28 S	14 W	WM	5	NW NW	Well L44790 – 432 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28 S	14 W	WM	5	SW NW	Well 3 – 61 feet South and 303 feet West from the NW 1/16 Corner of Section 5.
28 S	14 W	WM	5	NW SW	Well L69436 – South 232.30° West 5222.22 feet from the NE Corner of Section 5.
28 S	14 W	WM	5	SW SW	Well L74686 – South 230.04° West 5851.13 feet from the NE Corner of Section 5.

Authorized Place of Use:

COMMERCIAL				
Twp	Rng	Mer	Sec	Q-Q
27 S	14 W	WM	29	SE SW
27 S	14 W	WM	32	NE NW
27 S	14 W	WM	32	SE NW
27 S	14 W	WM	32	NE SW
27 S	14 W	WM	32	NW SW
27 S	14 W	WM	32	SW SW
27 S	14 W	WM	32	SE SW
27 S	14 W	WM	32	NW SE
28 S	14 W	WM	8	NW NE
28 S	14 W	WM	8	NE NW

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
27 S	14 W	WM	20	NE SW	6.10
27 S	14 W	WM	20	SW SW	10.80
27 S	14 W	WM	20	SE SW	17.60
27 S	14 W	WM	20	NW SE	1.00
27 S	14 W	WM	20	SW SE	8.30
27 S	14 W	WM	29	NW NW	15.50
27 S	14 W	WM	29	SW NW	18.90
27 S	14 W	WM	29	SE NW	6.10
27 S	14 W	WM	29	NE SW	20.50
27 S	14 W	WM	29	NW SW	33.40
27 S	14 W	WM	29	SW SW	40.00
27 S	14 W	WM	29	SE SW	31.30
27 S	14 W	WM	29	NW SE	40.00
27 S	14 W	WM	29	SW SE	41.00
27 S	14 W	WM	30	NE NE	2.50
27 S	14 W	WM	30	SE NE	8.35
27 S	14 W	WM	30	NE SE	13.10
27 S	14 W	WM	30	SE SE	18.00
27 S	14 W	WM	31	NE NE	27.10
27 S	14 W	WM	31	SE NE	34.10
27 S	14 W	WM	31	NE SE	49.20
27 S	14 W	WM	31	NW SE	0.40
27 S	14 W	WM	31	SW SE	0.40
27 S	14 W	WM	31	SE SE	17.60
27 S	14 W	WM	32	NW NE	40.00
27 S	14 W	WM	32	NE NW	34.80
27 S	14 W	WM	32	NW NW	40.00
27 S	14 W	WM	32	SW NW	40.00
27 S	14 W	WM	32	SE NW	21.50
27 S	14 W	WM	32	NE SW	22.30
27 S	14 W	WM	32	NW SW	36.80
27 S	14 W	WM	32	SW SW	23.70
27 S	14 W	WM	32	SE SW	19.05
27 S	14 W	WM	32	NW SE	0.50
27 S	14 W	WM	32	SW SE	32.67

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
27 S	14 W	WM	32	SE SE	5.20
28 S	14 W	WM	5	NE NE	40.00
28 S	14 W	WM	5	NW NE	40.00
28 S	14 W	WM	5	NW NE	0.29
28 S	14 W	WM	5	SW NE	0.15
28 S	14 W	WM	5	SW NE	37.50
28 S	14 W	WM	5	SE NE	0.38
28 S	14 W	WM	5	NE NW	30.00
28 S	14 W	WM	5	NW NW	22.00
28 S	14 W	WM	5	SW NW	10.75
28 S	14 W	WM	5	SE NW	33.10
28 S	14 W	WM	5	NE SW	17.56
28 S	14 W	WM	5	NW SW	9.60
28 S	14 W	WM	5	SW SW	2.00
28 S	14 W	WM	5	SE SW	3.40

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
28 S	14 W	WM	5	NW NE	0.29
28 S	14 W	WM	5	SW NE	0.15
28 S	14 W	WM	5	SE NE	0.38

3. Permit Amendment T-10719 mistakenly omitted acres in the description of the proposed irrigation acres. The description of the irrigation acres in Finding No. 4 contains the correct number of acres. The errors are described as follows:

IRRIGATION								
Township		Range		Meridian	Sec	¼ ¼		Acres as listed in T-10719 order	Correct Acres
27	S	14	W	W.M.	29	NW	NW	13.66	15.50
27	S	14	W	W.M.	29	NE	SW	18.40	20.50
27	S	14	W	W.M.	29	SW	SE	4.30	41.00
28	S	14	W	W.M.	5	SW	NE	20.50	37.50
28	S	14	W	W.M.	5	SW	NW	1.50	10.75
28	S	14	W	W.M.	5	NW	SW	6.60	9.60
28	S	14	W	W.M.	5	SE	SW	1.40	3.40

4. Permit Amendment Application T-11087 proposes to change the place of use of the permit to:

COMMERCIAL USES				
Twp	Rng	Mer	Sec	Q-Q
27 S	14 W	WM	29	SE SW
27 S	14 W	WM	32	NE NW
27 S	14 W	WM	32	SE NW
27 S	14 W	WM	32	NE SW
27 S	14 W	WM	32	NW SW
27 S	14 W	WM	32	SW SW
27 S	14 W	WM	32	SE SW
27 S	14 W	WM	32	NW SE
28 S	14 W	WM	8	NW NE
28 S	14 W	WM	8	NE NW

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
27 S	**14 W**	**WM**	**29**	**NW NW**	**5.90**
27 S	14 W	WM	29	SW NW	18.90
27 S	14 W	WM	29	NE SW	20.50
27 S	14 W	WM	29	NW SW	33.40
27 S	14 W	WM	29	SW SW	40.00
27 S	14 W	WM	29	SE SW	31.30
27 S	14 W	WM	29	NW SE	40.00
27 S	14 W	WM	29	SW SE	41.00
27 S	14 W	WM	30	NE NE	2.50
27 S	14 W	WM	30	SE NE	8.35
27 S	14 W	WM	30	NE SE	13.10
27 S	14 W	WM	30	SE SE	18.00
27 S	14 W	WM	31	NE NE	27.10
27 S	14 W	WM	31	SE NE	34.10
27 S	14 W	WM	31	NE SE	49.20
27 S	14 W	WM	31	NW SE	0.40
27 S	14 W	WM	31	SW SE	0.40
27 S	**14 W**	**WM**	**31**	**SE SE**	**33.70**
27 S	14 W	WM	32	NW NE	40.00
27 S	14 W	WM	32	NE NW	34.80
27 S	14 W	WM	32	NW NW	40.00
27 S	14 W	WM	32	SW NW	40.00
27 S	14 W	WM	32	SE NW	21.50
27 S	**14 W**	**WM**	**32**	**NE SW**	**22.90**
27 S	**14 W**	**WM**	**32**	**NW SW**	**41.90**
27 S	**14 W**	**WM**	**32**	**SW SW**	**36.10**
27 S	**14 W**	**WM**	**32**	**SE SW**	**30.15**
27 S	14 W	WM	32	NW SE	0.50
27 S	14 W	WM	32	SW SE	32.67
27 S	14 W	WM	32	SE SE	5.20
28 S	14 W	WM	5	NE NE	40.00
28 S	14 W	WM	5	NW NE	40.00
28 S	14 W	WM	5	SW NE	37.50
28 S	14 W	WM	5	NE NW	30.00

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
28 S	**14 W**	**WM**	**5**	**NW NW**	**36.20**
28 S	14 W	WM	5	SW NW	10.75
28 S	14 W	WM	5	SE NW	33.10
28 S	14 W	WM	5	NE SW	17.56
28 S	14 W	WM	5	NW SW	9.60
28 S	14 W	WM	5	SW SW	2.00
28 S	14 W	WM	5	SE SW	3.40

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
28 S	14 W	WM	5	NW NE	0.29
28 S	14 W	WM	5	SW NE	0.15
28 S	14 W	WM	5	SE NE	0.38

The changed place of use is in bold type.

5. Use of water for irrigation under this permit is limited to a development of a maximum of 500.00 acres of the potential 1024.5 acres identified in the description of the place of use above.

6. Notice of the application for the permit amendment was published in the Department's weekly notice on June 15, 2010 pursuant to ORS 540.520(5). No comments were filed in response to the notice.

Permit Amendment Review Criteria

7. The change would not result in injury to other water rights.

8. The proposed place of use is owned and/or controlled by the permit holder.

9. The change does not enlarge the permit.

10. The change does not alter any other terms of the permit.

11. The proposed place of use is contiguous to the authorized place of use.

Conclusions of Law

The change in place of use proposed by Permit Amendment Application T-11087 is consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

The change and subsequent use of water shall be subject to the following conditions:

1. The former place of use shall no longer be irrigated as part of this permit.

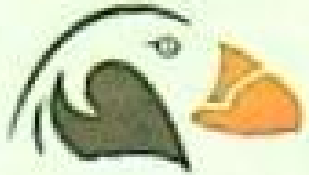
2. All other terms and conditions of Permit G-13498 remain the same.

3. Permit G-13498, in the name of Bandon Dunes Limited Partnership, is amended as described herein.

Dated at Salem, Oregon this 11 day of August, 2010.

Phillip C. Ward, Director

Mailing Date: AUG 13 2010



BANDON
DUNES
golf resort

57744 Round Lake Drive
Bandon, Oregon 97411

Warren Felton

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes
Pacific Dunes

OWRD wellid (well tag): L34030
P = G-13498
PODA 1/14

T/R-S ABC#: 27s/14w-29ca
ORWD logid: coos 51649
Surface csg diam: 10"
Report ID 63251

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None
Tools needed: Channel locks measured through well access port in well seal

Measuring Points:

Date	ft+/-lsd	Description

Water Levels:

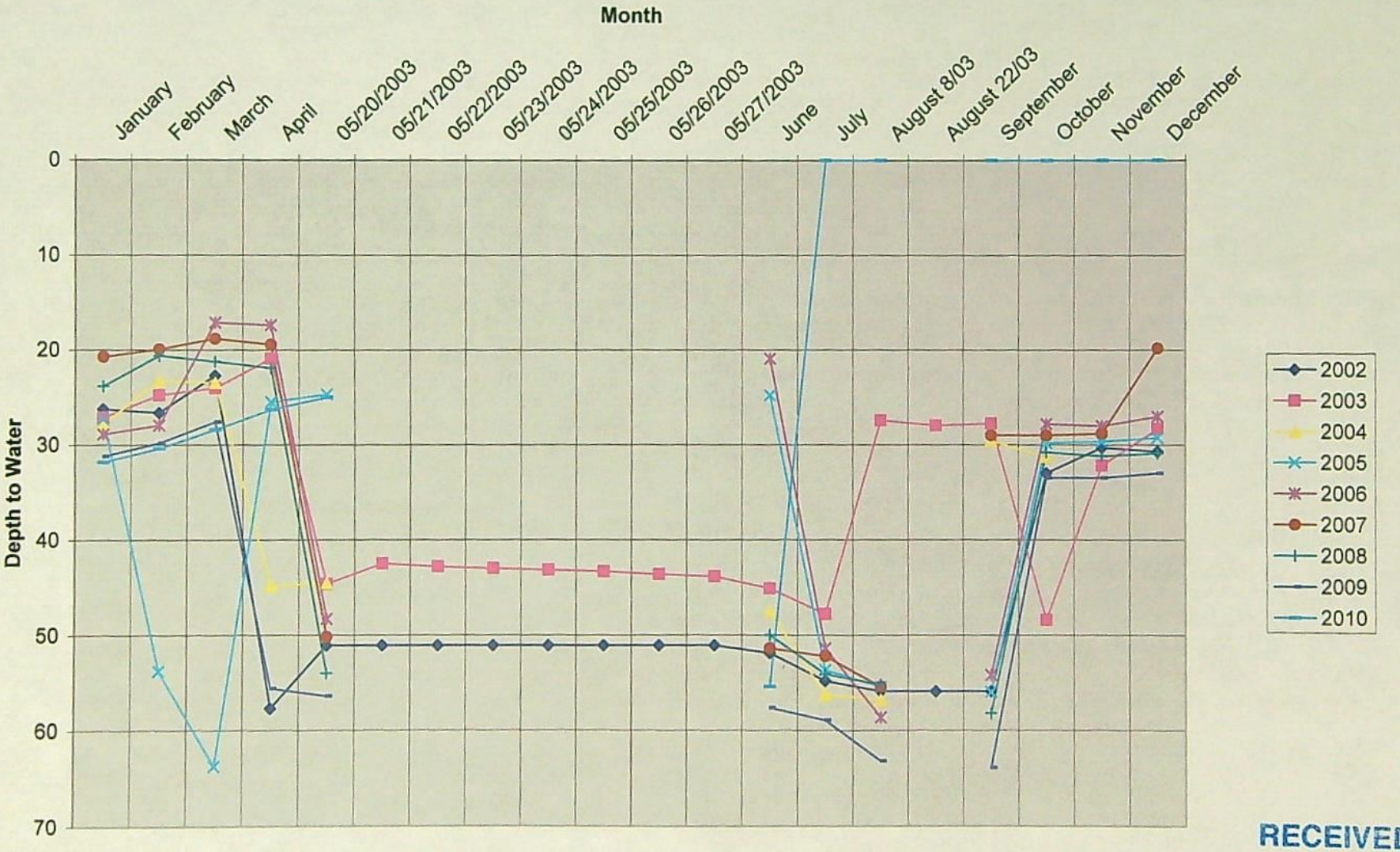
Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	31.8		0	31.8	-1.1	30.7	T	S	RWW	81559800		
02/27/2010	30.4		0	30.4	-1.1	29.3	T	S	RWW	81559800		
03/27/2010	28.4		0	28.4	-1.1	27.3	T	S	RWW	83578100		
04/25/2010	26.3		0	26.3	-1.1	25.2	T	S	RWW	86036700		
05/29/2010	25		0	25	-1.1	23.9	T	S	RWW	86036700		
06/19/2010	55.4		0	55.4	-1.1	54.3	T	P	RWW	87468900	160	
			0	0	-1.1	-1.1	T	S	WDF			
			0	0	-1.1	-1.1	T	S	WDF			
			0	0	-1.1	-1.1	T	S	WDF			
			0	0	-1.1	-1.1	T	S	WDF			
			0	0	-1.1	-1.1	T	S	WDF			
			0	0	-1.1	-1.1	T	S	WDF			

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape
** S = Static, R = Recovering, P = Pumping (use one of these only)

RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

L34030



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes
Pacific Dunes

OWRD wellid (well tag): L34008

P=G-13498
POD# 2/14

T/R-S ABC#: 27s/14w-29cb
ORWD logid: coos 51626
Surface csg diam: 8"

Report ID 63252

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None
Tools needed: Measured through top of well seal

Measuring Points:

Date		ft+/-lsd	Description	L34008

Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	98.4		0	98.4	-1.2	97.2	T	S	RWW	44532400		
02/27/2010	98		0	98	-1.2	96.8	T	S	RWW	44532400		
03/27/2010	98.1		0	98.1	-1.2	96.9	T	S	RWW	44532400		
04/25/2010	98.6		0	98.6	-1.2	97.4	T	S	RWW	44532400		
05/29/2010	97.6		0	97.6	-1.2	96.4	T	S	RWW	44532400		
06/19/2010	98.9		0	98.9	-1.2	97.7	T	S	RWW	44790900		
			0	0	-1.2	-1.2	T	S	WDF			
			0	0	-1.2	-1.2	T	S	WDF			
			0	0	-1.2	-1.2	T	S	WDF			
			0	0	-1.2	-1.2	T	S	WDF			
			0	0	-1.2	-1.2	T	S	WDF			
			0	0	-1.2	-1.2	T	S	WDF			

Comments

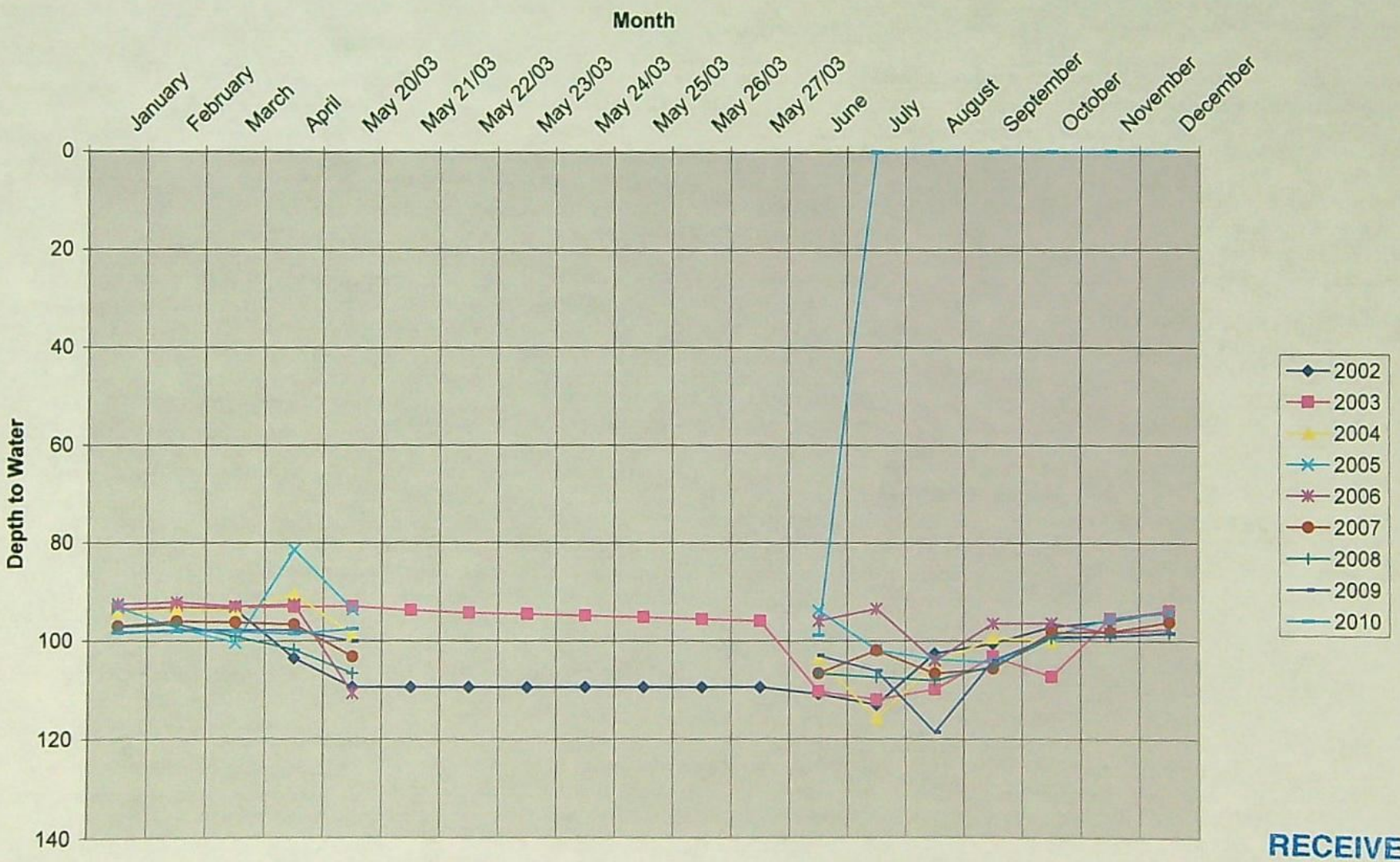
RECEIVED

JUL 02 2010

WATER RESOURCES DEPT
SALEM, OREGON

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape
** S = Static, R = Recovering, P = Pumping (use one of these only)

L34008



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes
Pacific Dunes

OWRD wellid (well tag): L34018
P = G-13498
POD # 3/14

T/R-S ABC#: 27s/14w-29cga
ORWD logid: Coos 52394 (52151)
Surface csg diam: 8"
Report ID 63253

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None measured through well seal
Tools needed: None

Measuring Points:

Date		ft+/-lsd	Description	measured through top of well seal

Water Levels:

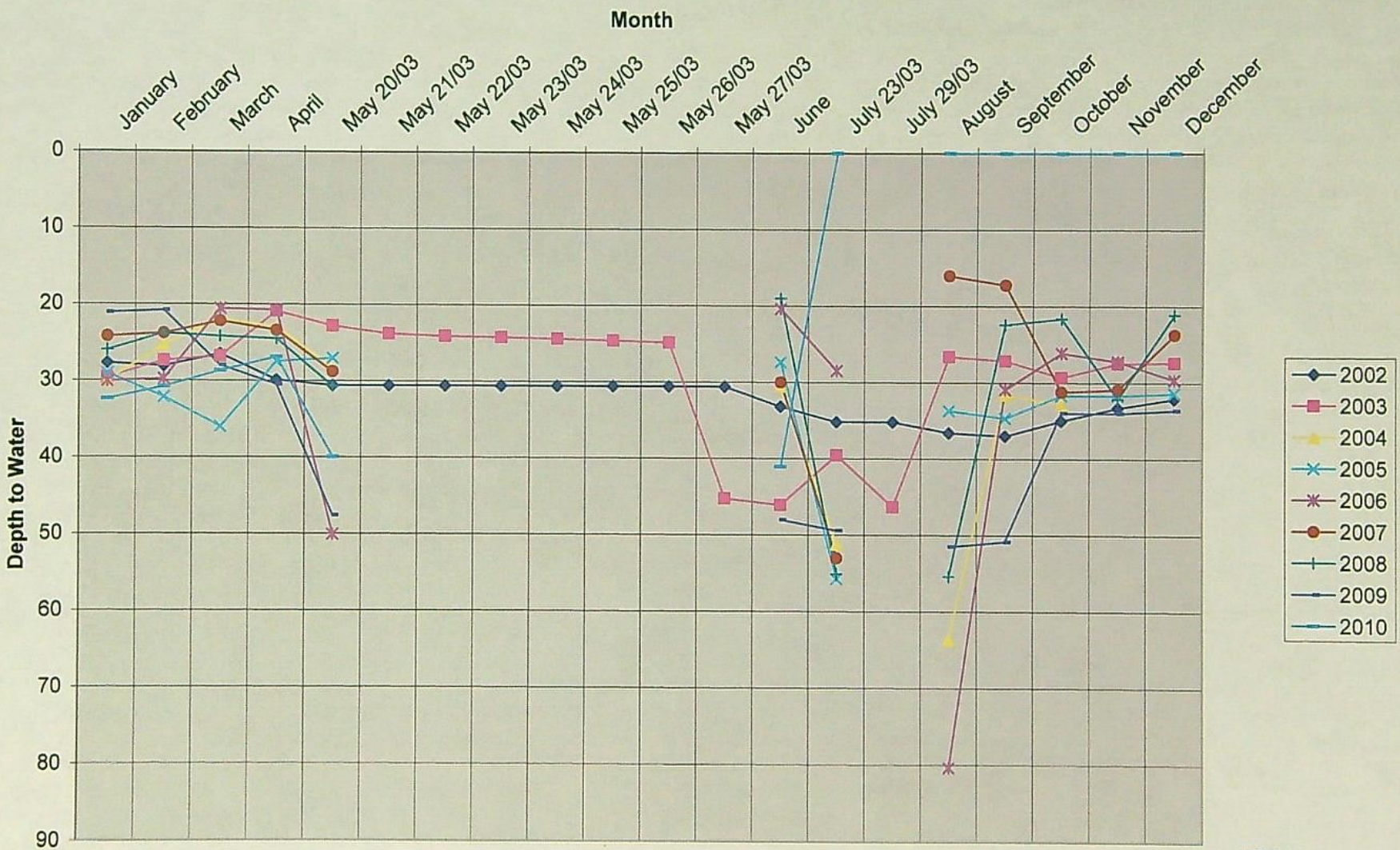
Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	32.4		0	32.4	-3.6	28.8	T	S	RWW	54000		
02/27/2010	30.8		0	30.8	-3.6	27.2	T	S	RWW	54000		
03/27/2010	28.7		0	28.7	-3.6	25.1	T	S	RWW	54000		
04/25/2010	91.9	-65	0	26.9	-3.6	23.3	T	S	RWW	54000		
05/29/2010	105	-65	0	40	-3.6	36.4	T	P	RWW	4019900		
06/19/2010	106.1	-65	0	41.1	-3.6	37.5	T	P	RWW	5403400	148	
			0	0	-3.6	-3.6	T	S	WDF			
			0	0	-3.6	-3.6	T	S	WDF			
			0	0	-3.6	-3.6	T	S	WDF			
			0	0	-3.6	-3.6	T	S	WDF			
			0	0	-3.6	-3.6	T	S	WDF			
			0	0	-3.6	-3.6	T	S	WDF			

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape
** S = Static, R = Recovering, P = Pumping (use one of these only)

RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

L34018



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes
Pacific Dunes

OWRD wellid (well tag): L34007
P = G- 13498
POD #4/14 Report ID 63254

T/R-S ABC#: 27s/14w-29cc
ORWD logid: coos 51622
Surface csg diam: 8"

Tools needed: Easy / OK / Difficult Channel locks measured through well access port in well seal

Hang-ups: Y/N at None

Measuring Points:

Date	ft+/-lsd	Description
		L34007

Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	82.8		0	82.8	-1.4	81.4	T	S	RWW	10776500		
02/27/2010	82.3		0	82.3	-1.4	80.9	T	S	RWW	10776500		
03/27/2010	82.2		0	82.2	-1.4	80.8	T	S	RWW	10776500		
04/25/2010	82.4		0	82.4	-1.4	81	T	S	RWW	10776500		
05/29/2010	81.2		0	81.2	-1.4	79.8	T	S	RWW	10776500		
06/19/2010	84.1		0	84.1	-1.4	82.7	T	S	RWW	10777000		
			0	0	-1.4	-1.4	T	S	WDF			
			0	0	-1.4	-1.4	T	S	WDF			
			0	0	-1.4	-1.4	T	S	WDF			
			0	0	-1.4	-1.4	T	S	WDF			
			0	0	-1.4	-1.4	T	S	WDF			
			0	0	-1.4	-1.4	T	S	WDF			

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape
** S = Static, R = Recovering, P = Pumping (use one of these only)

RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

L34007



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes / Old MacDonald

OWRD wellid (well tag): L91192

P=G-13498

POD# 5/14

T/R-S ABC#: T27S-R14W-29 NW SE

ORWD logid: Coos 54287

Surface csg diam:

Report ID 64615

Water levels: Easy / OK / Difficult Hang-ups: Y/N at NONE

Tools needed:

Measuring Points:

Date	ft+/-lsd	Description

Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	39.6		0	39.6		39.6	T	S	RWW	None		
02/27/2010	38.2		0	38.2		38.2	T	S	RWW			
03/27/2010	36.6		0	36.6		36.6	T	S	RWW			
04/25/2010	34.2		0	34.2		34.2	T	S	RWW			
05/29/2010	31.2		0	31.2		31.2	T	S	RWW			
06/19/2010	31.6		0	31.6		31.6	T	S	RWW			
			0	0		0	T	S	WDF			
			0	0		0	T	S	WDF			
			0	0		0	T	S	WDF			
			0	0		0	T	S	WDF			
			0	0		0	T	S	WDF			
			0	0		0	T	S	WDF			

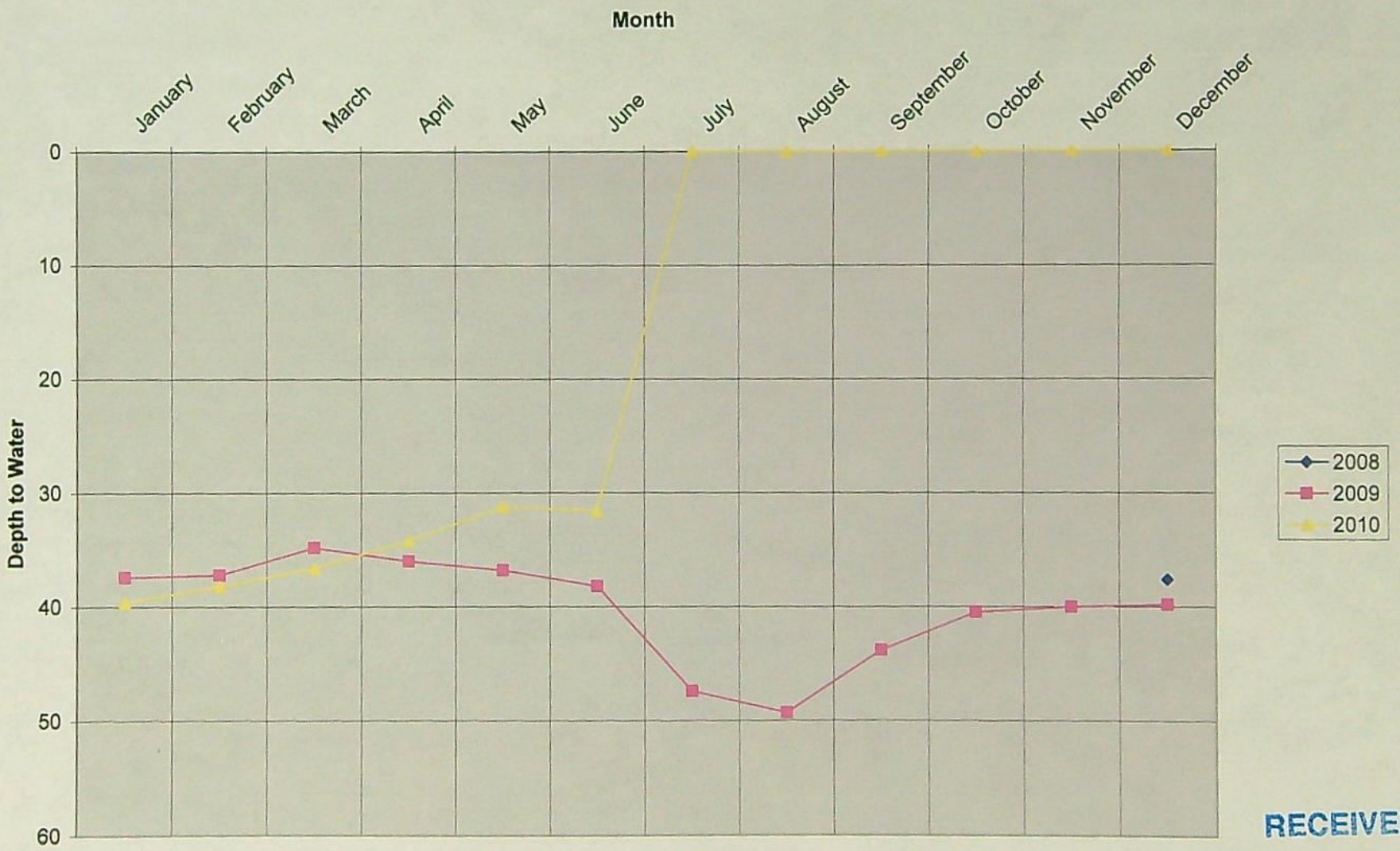
Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)

RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

L91192



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes

OWRD wellid (well tag): L10848

P=G-13498

pod # 6/14 Report ID 47810

T/R-S ABC#: 27s/14w/31

ORWD logid: coos 50514

Surface csg diam: 8"

Water levels: Easy / OK / Difficult

Hang-ups: Y/N at None

Measured through pitless adapter pvc pipe sticking through top.

Tools needed: None

Measuring Points:

Date		ft+/-lsd	Description	mp top of pvc pipe sticking out of pitless adapter
			well located by golf hole # 3 on bandon dunes golf course	

Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	86.4		0	86.4	-1.25	85.15	T	S	RWW	86887500		
02/27/2010	85.9		0	85.9	-1.25	84.65	T	S	RWW	86887400		
03/27/2010	85.9		0	85.9	-1.25	84.65	T	S	RWW	86887500		
04/25/2010	149	-65	0	84	-1.25	82.75	T	S	RWW	87485400		
05/29/2010	85.1		0	85.1	-1.25	83.85	T	S	RWW	87485400		
06/19/2010	195.2	-65	0	130.2	-1.25	128.95	T	P	RWW	87840100	257	
			0	0	-1.25	-1.25	T	S	WDF			
			0	0	-1.25	-1.25	T	S	WDF			
			0	0	-1.25	-1.25	T	S	WDF			
			0	0	-1.25	-1.25	T	S	WDF			
			0	0	-1.25	-1.25	T	S	WDF			
			0	0	-1.25	-1.25	T	S	WDF			

Comments

RECEIVED

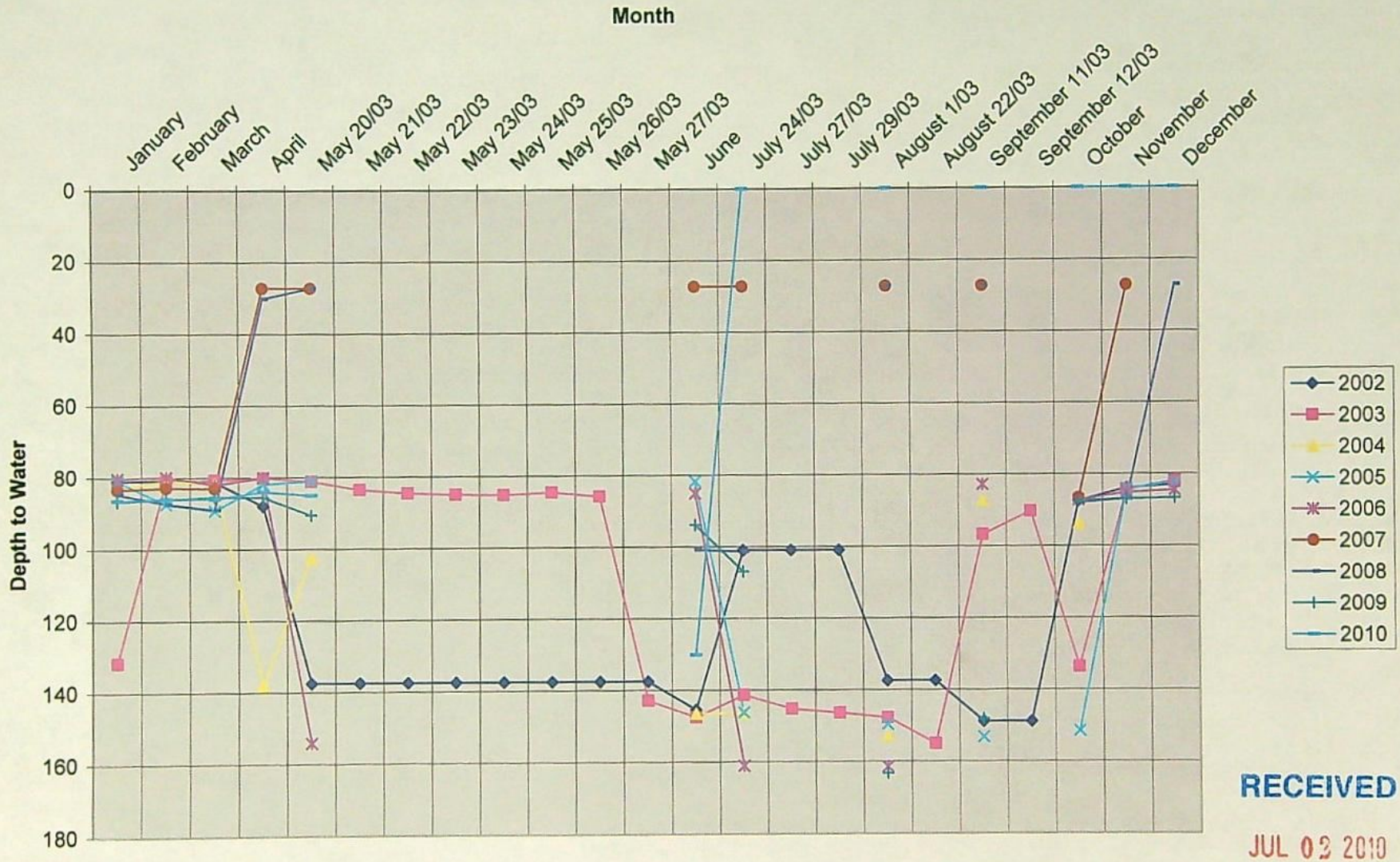
JUL 02 2010

WATER RESOURCES DEPT
SALEM, OREGON

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)

L10848



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes

OWRD wellid (well tag): L18620

P: G-13498

POD # 7/14

Report ID 47814

T/R-S ABC#: 27s/14w 32 bbd

ORWD logid: coos 50970

Surface csg diam: 8"

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None Measured through pvc pipe in well seal

Tools needed: None

Measuring Points:

Date	ft+/-lsd	Description	North of hole #3 for Bandon Dunes across road by Pacific Dunes Putting Green

Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	74.2		0	74.2	-2.2	72	T	S	RWW	14409100		
02/27/2010	73.6		0	73.6	-2.2	71.4	T	S	RWW	14409100		
03/27/2010	72.8		0	72.8	-2.2	70.6	T	S	RWW	14409100		
04/25/2010	72.7		0	72.7	-2.2	70.5	T	S	RWW	14409100		
05/29/2010	71.6		0	71.6	-2.2	69.4	T	S	RWW	14409100		
06/19/2010	74.7		0	74.7	-2.2	72.5	T	S	RWW	14409100		
			0	0	-2.2	-2.2	T	S	WDF			
			0	0	-2.2	-2.2	T	S	WDF			
			0	0	-2.2	-2.2	T	S	WDF			
			0	0	-2.2	-2.2	T	S	WDF			
			0	0	-2.2	-2.2	T	S	WDF			
			0	0	-2.2	-2.2	T	S	WDF			

Comments

RECEIVED

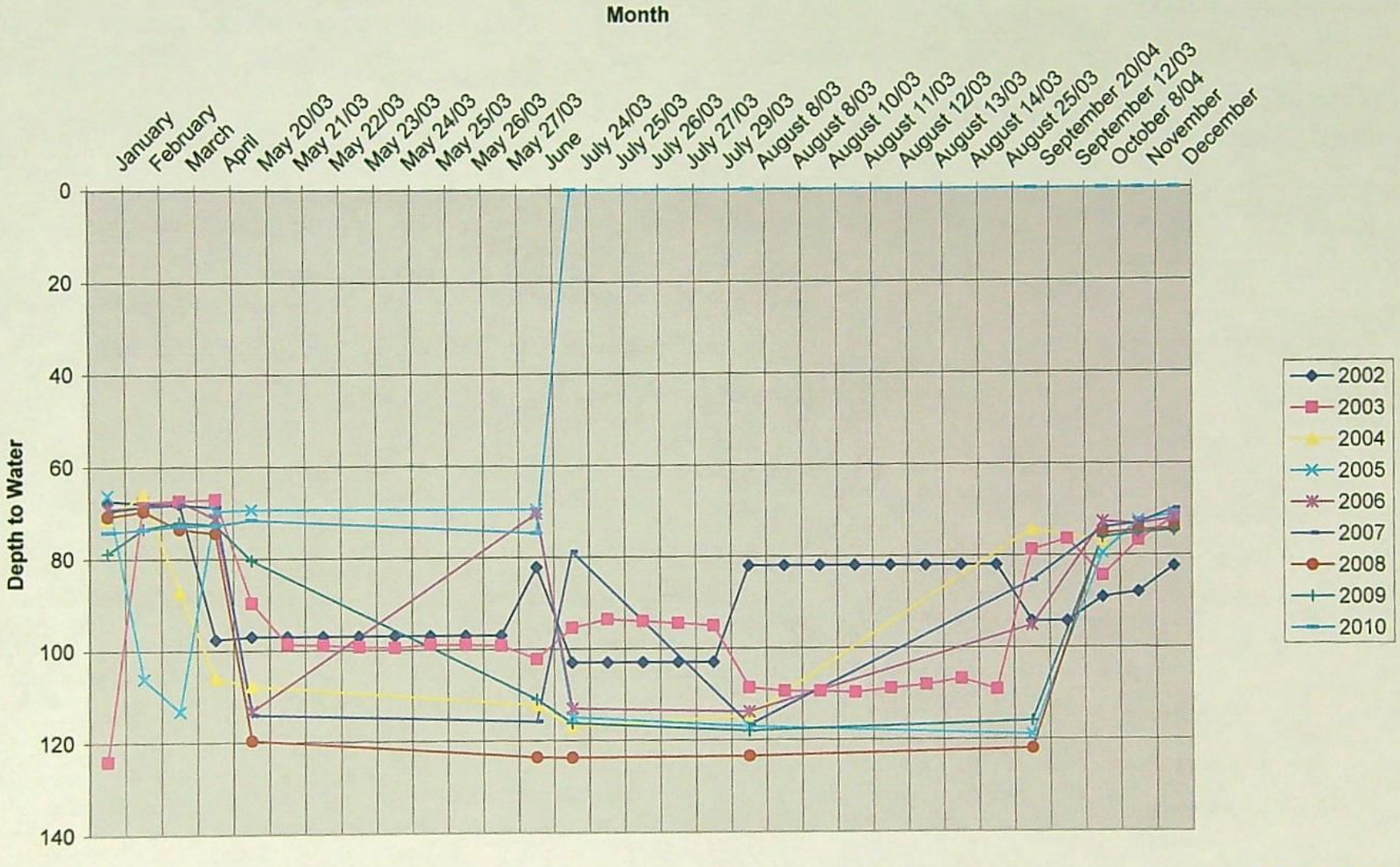
JUL 02 2010

WATER RESOURCES DEPT
SALEM, OREGON

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)

L18620



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes

OWRD wellid (well tag): L10847

P = G-13498

POD # 8/14

T/R-S ABC#: 27s/14w/31

ORWD logid: coos 50508

Surface csg diam: 6"

Report JD 47811

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None hole in well seal takes time to get by the wiring

Tools needed: None

Measuring Points:

Date	ft+/-lsd	Description	measured through top of well seal well is located by hole 13 on Bandon Dunes

Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	68.8		0	68.8	-1.4	67.4	T	S	RWW	4493700		
02/27/2010	68.2		0	68.2	-1.4	66.8	T	S	RWW	4493700		
03/27/2010	68		0	68	-1.4	66.6	T	S	RWW	4493700		
04/25/2010	68.4		0	68.4	-1.1	67.3	T	S	RWW	4493700		
05/29/2010	67.2		0	67.2	-1.1	66.1	T	S	RWW	4494040		
06/19/2010	69.8		0	69.8	-1.1	68.7	T	S	RWW	4571100		
			0	0	-1.1	-1.1	T	S	WDF			
			0	0	-1.1	-1.1	T	S	WDF			
			0	0	-1.1	-1.1	T	S	WDF			
			0	0	-1.1	-1.1	T	S	WDF			
			0	0	-1.1	-1.1	T	S	WDF			
			0	0	-1.1	-1.1	T	S	WDF			

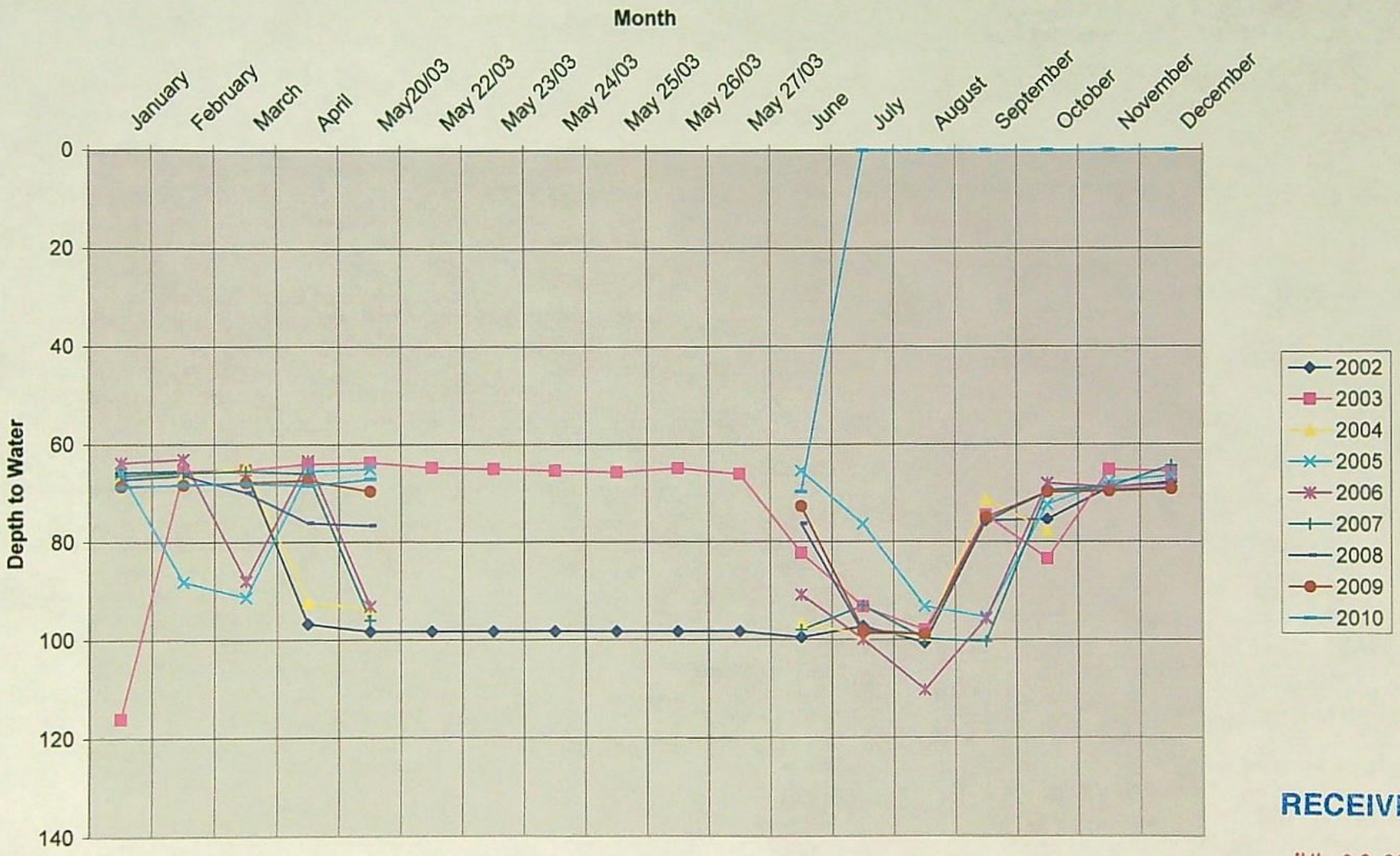
Comments

RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)

L10847



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes

OWRD well id (well tag): Old State Well L103084 187 ? P=G-13498 POD # 9/14 Report ID 47812

T/R-S ABC#: T28S-R14W-5 NW NW

ORWD logid: Coos 1252

Surface csg diam: 6"

Water levels: Easy / OK / Difficult

Hang-ups: Y/N at

Tools needed:

Measuring Points:

Date	ft+/-lsd	Description

Water Levels: 9999.99

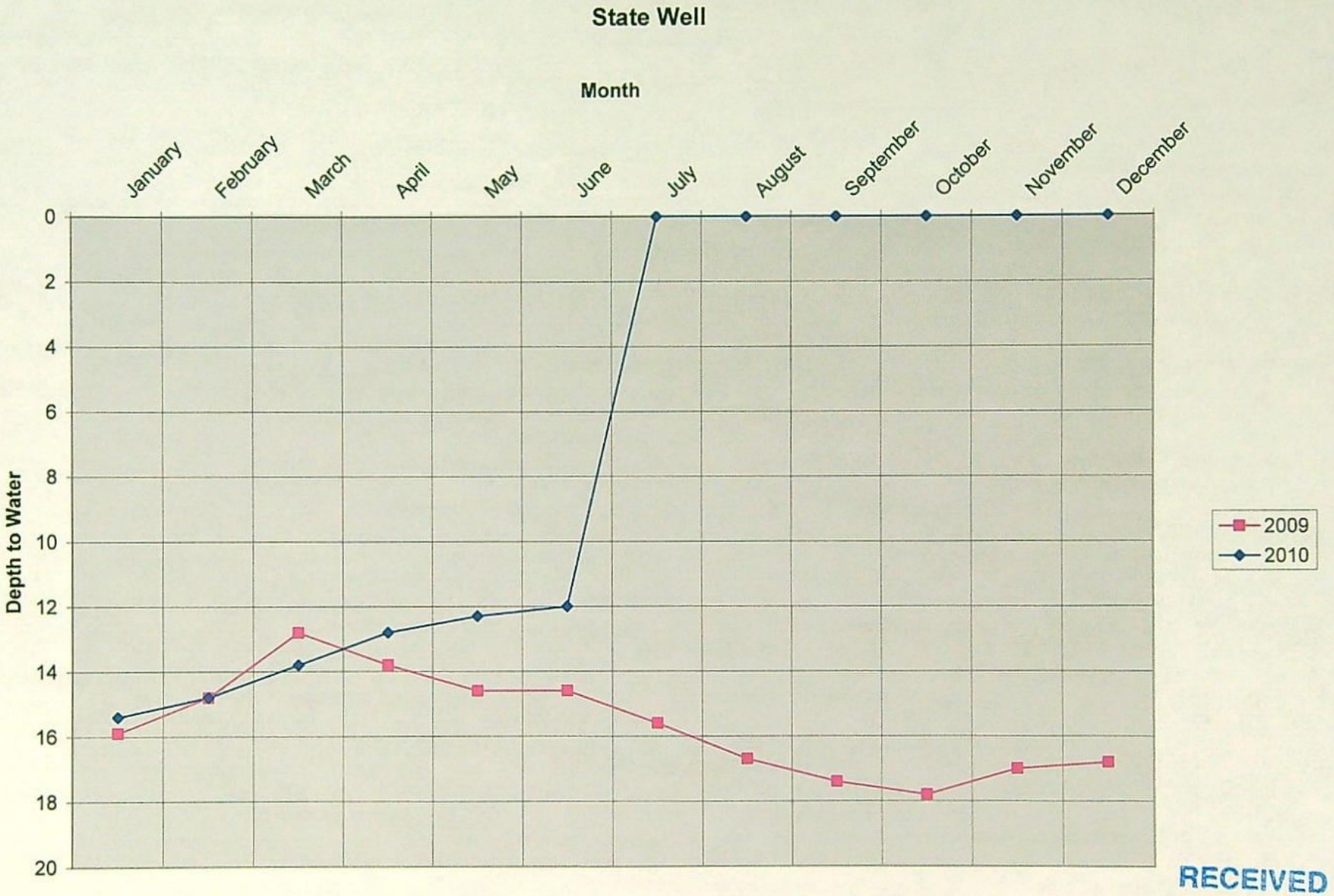
Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	15.4		0		0	0	T		RWW	Not in use		
02/27/2010	14.8		0		0	0	T		RWW	Not in use		
03/27/2010	13.8		0		0	0	T		RWW	Not in use		
04/25/2010	12.8		0		0	0	T		RWW	Not in use		
05/29/2010	12.3		0		0	0	T		RWW	Not in use		
06/19/2010	12		0		0	0	T		RWW	Not in use		
			0		0	0	T		WDF	Not in use		
			0		0	0	T		WDF	Not in use		
			0		0	0	T		WDF	Not in use		
			0		0	0	T		WDF	Not in use		
			0		0	0	T		WDF	Not in use		
			0		0	0	T		WDF	Not in use		

Comments:

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)

RECEIVED
JUL 02 2018
WATER RESOURCES DEPT
SALEM, OREGON



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEETS

Site name: Bandon Dunes
Potable water supply

OWRD wellid (well tag): L25195
P = G-13498
POD#10/14

T/R-S ABC#: 28s/14w-5bd ORIG
ORWD logid: Coos 51152 #1252
Surface csg diam: 8"
Report ID 47813

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None Remove vent on top of pitless adapter
Tools needed: None remove cap and measure down south end 3/8" socket and open end wrench

Measuring Points:

Date		ft+/-lsd	Description	mp top of well seal
			Used as monitoring well.	

Water Levels:

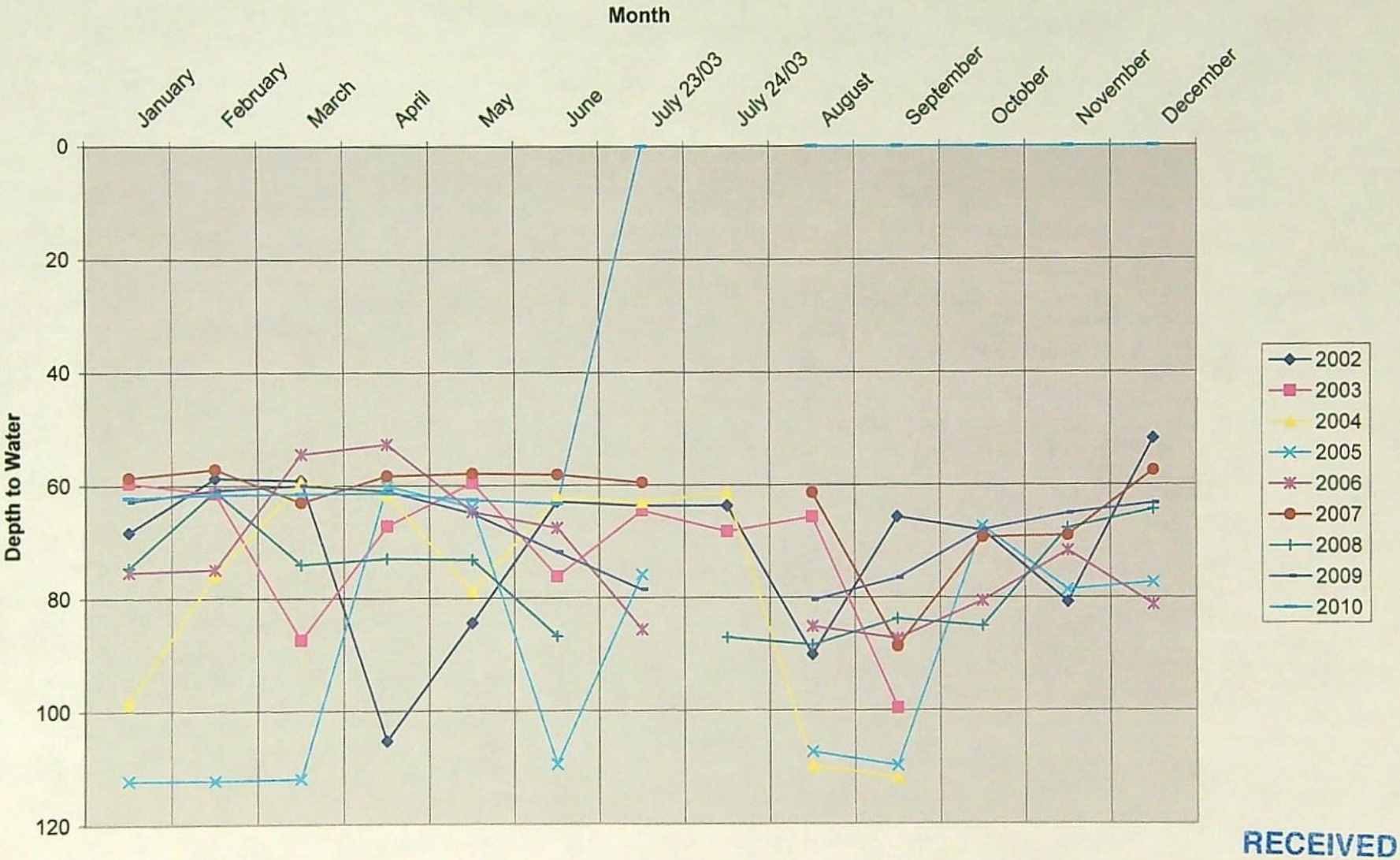
Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	62.2		0	62.2	0	62.2	T	S	RWW	not used	Off	
02/27/2010	61.6		0	61.6	0	61.6	T	S	RWW	not used	Off	
03/27/2010	61.5		0	61.5	0	61.5	T	S	RWW	not used	Off	
04/25/2010	61.4		0	61.4	0	61.4	T	S	RWW	not used	Off	
05/29/2010	62.6		0	62.6	0	62.6	T	S	RWW	not used	Off	
06/19/2010	63.3		0	63.3	0	63.3	T	S	RWW	not used	Off	
			0	0	0	0	T	S	WDF	not used	Off	
			0	0	0	0	T	S	WDF	not used	Off	
			0	0	0	0	T	S	WDF	not used	Off	
			0	0	0	0	T	S	WDF	not used	Off	
			0	0	0	0	T	S	WDF	not used	Off	
			0	0	0	0	T	S	WDF	not used	Off	

Comments

RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape
** S = Static, R = Recovering, P = Pumping (use one of these only)

L25195



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes

OWRD wellid (well tag): L44790

P = G-13498

POD # 11/14

T/R-S ABC#: 28S-14W-5 NW NW

ORWD logid: Coos 52100

Surface csg diam: 8"

Report ID 63255

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None Remove vent on top of pitless adapter

Tools needed: None

Measuring Points:

Date	ft+/-lsd	Description
		Used as a monitoring well.

Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	61.8		0	61.8	0	61.8	T	S	RWW	Not Used	0	
02/27/2010	61.1		0	61.1	0	61.1	T	S	RWW	Not Used	0	
03/27/2010	60.9		0	60.9	0	60.9	T	S	RWW	Not Used	0	
04/25/2010	126	-65	0	61	0	61	T	S	RWW	Not Used	0	
05/29/2010	127	-65	0	62	0	62	T	S	RWW	Not Used	0	
06/19/2010	127.7	-65	0	62.7	0	62.7	T	S	RWW	Not Used	0	
			0	0	0	0	T	S	WDF	Not Used	0	
			0	0	0	0	T	S	WDF	Not Used	0	
			0	0	0	0	T	S	WDF	Not Used	0	
			0	0	0	0	T	S	WDF	Not Used	0	
			0	0	0	0	T	S	WDF	Not Used	0	
			0	0	0	0	T	S	WDF	Not Used	0	

Comments

RECEIVED

JUL 03 2019

WATER RESOURCES DEPT
SALEM, OREGON

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)

L44790



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes

OWRD wellid (well tag): S.E. test well / L103085

T/R-S ABC#: 28s-14w-5bd

ORWD logid: Coos 1254

Surface csg diam: 6"

p=G-13498 pod# 12/14 Report ID 63256

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None Measure through well seal

Tools needed: Measured through top of well seal

Measuring Points:

Date		ft+/-lsd	Description	southeast of potable well

Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	20.0		0	20	0	20	T	S	RWW	Not in use		
02/27/2010	18.7		0	18.7	0	18.7	T	S	RWW	Not in use		
03/27/2010	16.8		0	16.8	0	16.8	T	S	RWW	Not in use		
04/25/2010	15.4		0	15.4	0	15.4	T	S	RWW	Not in use		
05/29/2010	14.3		0	14.3	0	14.3	T	S	RWW	Not in use		
06/19/2010	13.3		0	13.3	0	13.3	T	S	RWW	Not in use		
			0	0	0	0	T	S	WDF	Not in use		
			0	0	0	0	T	S	WDF	Not in use		
			0	0	0	0	T	S	WDF	Not in use		
			0	0	0	0	T	S	WDF	Not in use		
			0	0	0	0	T	S	WDF	Not in use		
			0	0	0	0	T	S	WDF	Not in use		

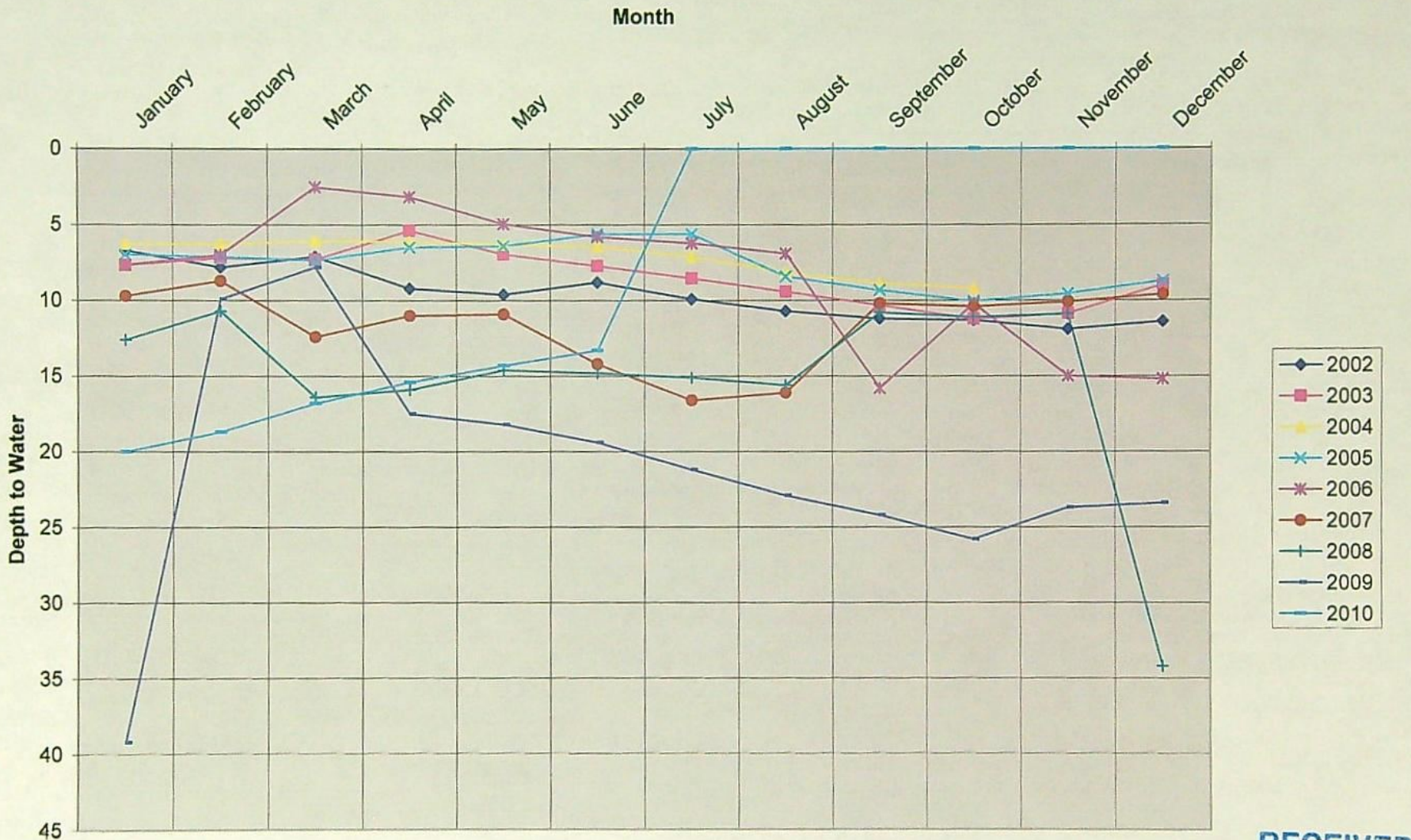
Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)

RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

S.E. test well



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes / Bandon Trails

OWRD wellid (well tag): L69436

P=G-13498

POD # 13/14

T/R-S ABC#: T28S-R14W-5 SW NE

ORWD logid: Coos 53004

Surface csg diam:

Report ID 63257

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None Measure through well seal

Tools needed:

Measuring Points:

Date	ft+/-lsd	Description	By hole 14 x 15

Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	59.4		0	59.4	0	59.4	T	S	RWW	86665200		
02/27/2010	59.7		0	59.7	0	59.7	T	S	RWW	86665200		
03/27/2010	59.6		0	59.6	0	59.6	T	S	RWW	86665200		
04/25/2010	59.4		0	59.4	0	59.4	T	S	RWW	86665200		
05/29/2010	145		0	145	0	145	T	P	RWW	87296600		
06/19/2010	62.1		0	62.1	0	62.1	T	S	RWW	88437000		
			0	0	0	0	T	S	WDF			
			0	0	0	0	T	S	WDF			
			0	0	0	0	T	S	WDF			
			0	0	0	0	T	S	WDF			
			0	0	0	0	T	S	WDF			
			0	0	0	0	T	S	WDF			

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

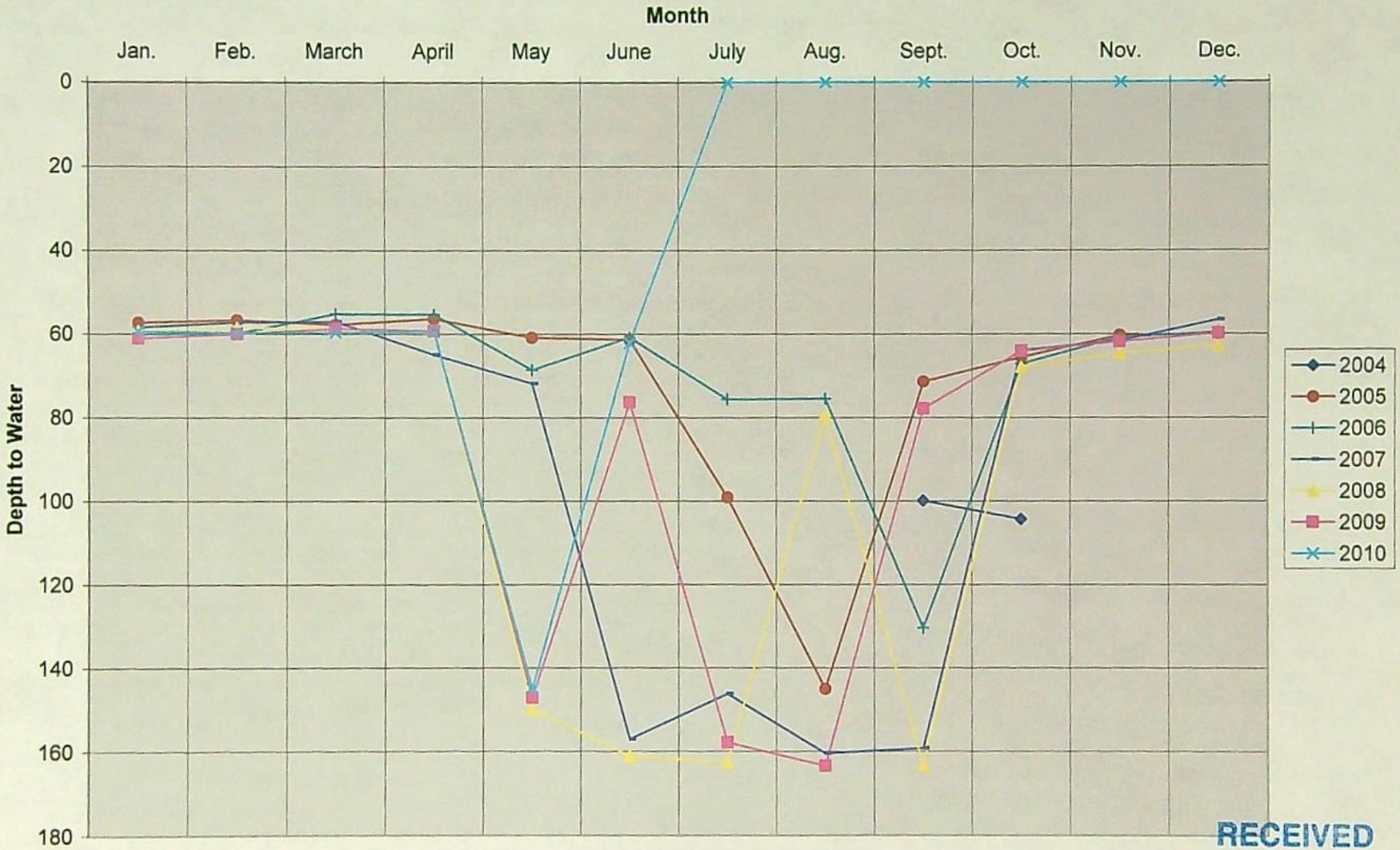
** S = Static, R = Recovering, P = Pumping (use one of these only)

RECEIVED

JUL 02 2010

WATER RESOURCES DEPT
SALEM, OREGON

L69436



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes
Potable well

OWRD wellid (well tag): L74686
P=G-13498
POD 14/14

T/R-S ABC#: T28S-R14W-5 SE NW
ORWD logid: Coos 53275
Surface csg diam: 8"
Report ID 63258

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None Remove vent on top of pitless adapter
Tools needed: None

Measuring Points:

Date	ft+/-lsd	Description
		Main potable well

Water Levels:

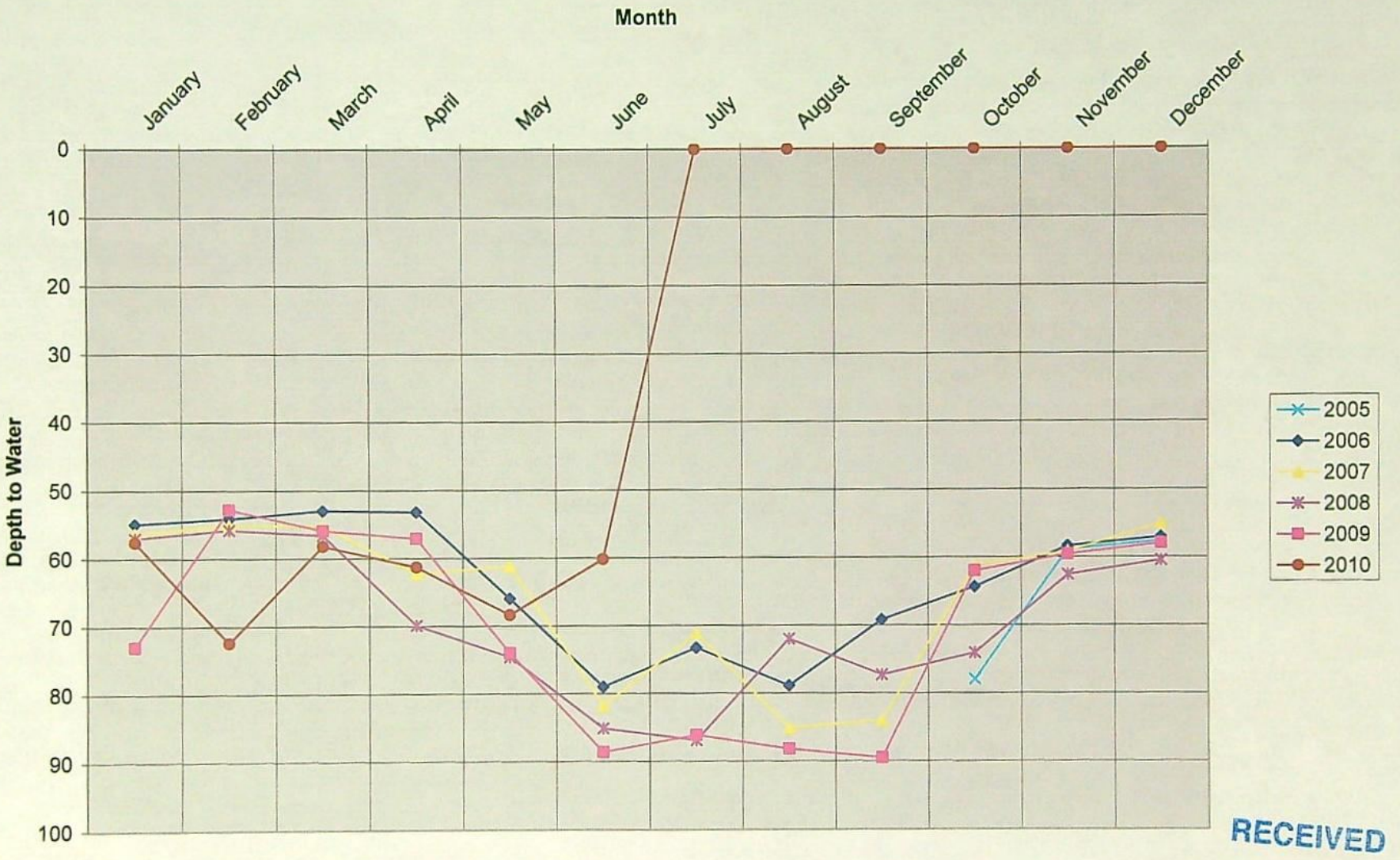
Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	57.6		0	57.6	0	57.6	T	P	RWW	79779100		
02/27/2010	72.4		0	72.4	0	72.4	T	P	RWW	80227000		
03/27/2010	58.2		0	58.2	0	58.2	T	P	RWW	80465200		
04/25/2010	61.3		0	61.3	0	61.3	T	P	RWW	80862600		
05/29/2010	68.4		0	68.4	0	68.4	T	P	RWW	81808900		
06/19/2010	60.2		0	60.2	0	60.2	T	P	RWW	82528400		
			0	0	0	0	T	P	WDF			
			0	0	0	0	T	P	WDF			
			0	0	0	0	T	P	WDF			
			0	0	0	0	T	P	WDF			
			0	0	0	0	T	P	WDF			
			0	0	0	0	T	P	WDF			

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape
** S = Static, R = Recovering, P = Pumping (use one of these only)

RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

L74686



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEET 20179 = start card #

Site name: Bandon Dunes
Warren's well

OWRD wellid (well tag): ~~L20179~~ p = G-13498
pod not active

T/R-S ABC#: T27S-R14W-29 NW SE
ORWD logid: Coos 330
Surface csg diam: 8"
Report ID 47809

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None Measure through well seal
Tools needed: Measured through top of well seal

Measuring Points:

Date	ft+/-lsd	Description

Water Levels:

? not 0!

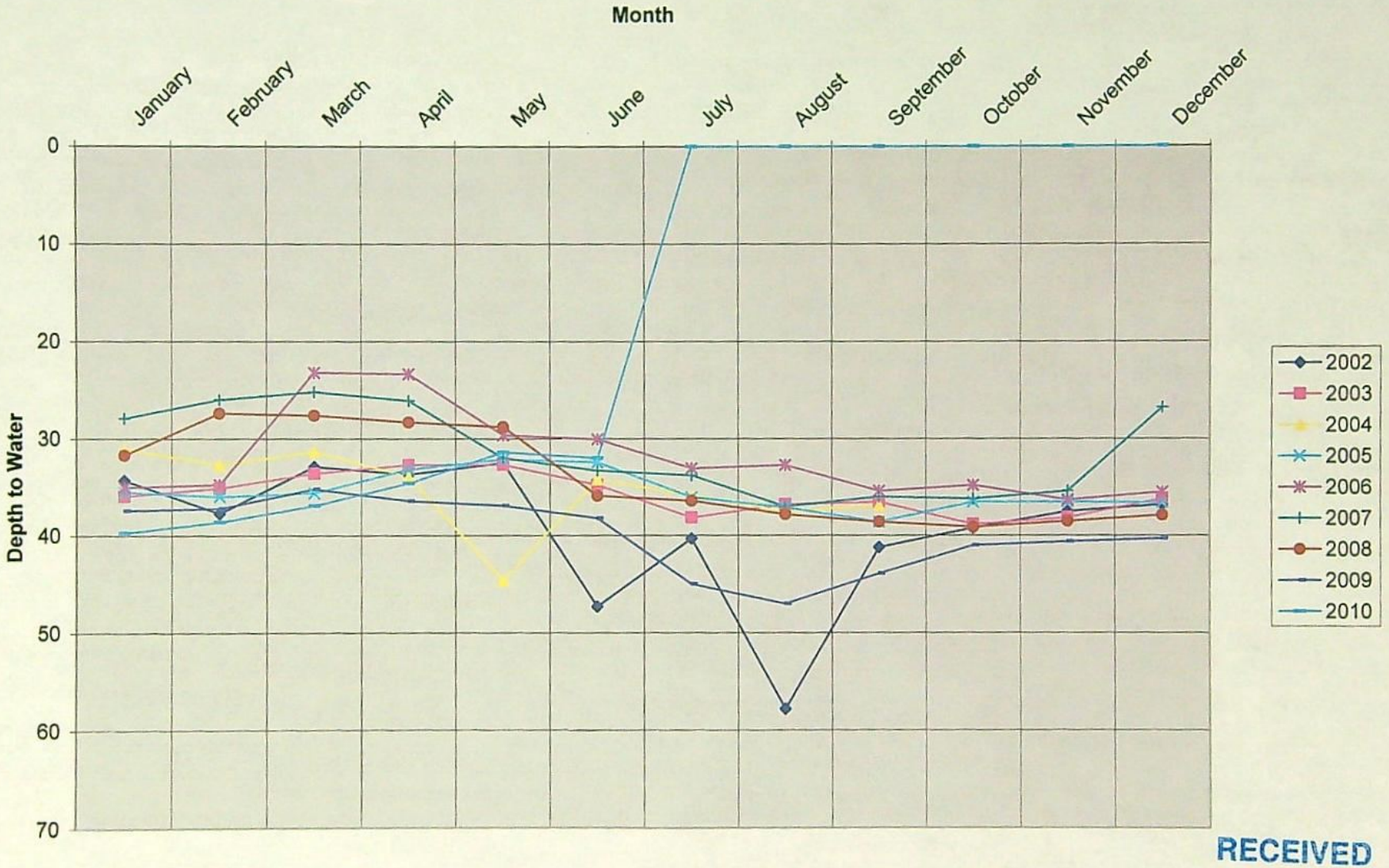
Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/30/2010	39.7		0	39.7	0	0	T	S	RWW	Not in use		
02/27/2010	38.6		0	38.6	0	0	T	S	RWW			
03/27/2010	36.9		0	36.9	0	0	T	S	RWW			
04/25/2010	34.6		0	34.6	0	0	T	S	RWW			
05/29/2010	31.4		0	31.4	0	0	T	S	RWW			
06/19/2010	32		0	32	0	0	T	S	RWW			
			0	0	0	0	T	S	WDF			
			0	0	0	0	T	S	WDF			
			0	0	0	0	T	S	WDF			
			0	0	0	0	T	S	WDF			
			0	0	0	0	T	S	WDF			
			0	0	0	0	T	S	WDF			

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape
** S = Static, R = Recovering, P = Pumping (use one of these only)

RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

Warren's well



RECEIVED
JUL 02 2010
WATER RESOURCES DEPT
SALEM, OREGON

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes
Pacific Dunes

OWRD wellid (well tag): L34030
P=G-13498
POD 1/14

T/R-S ABC#: 27s/14w-29ca
ORWD logid: coos 51649
Surface csg diam: 10"
Report ID 63251

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None
Tools needed: Channel locks measured through well access port in well seal

Measuring Points:

Date	ft+/-lsd	Description

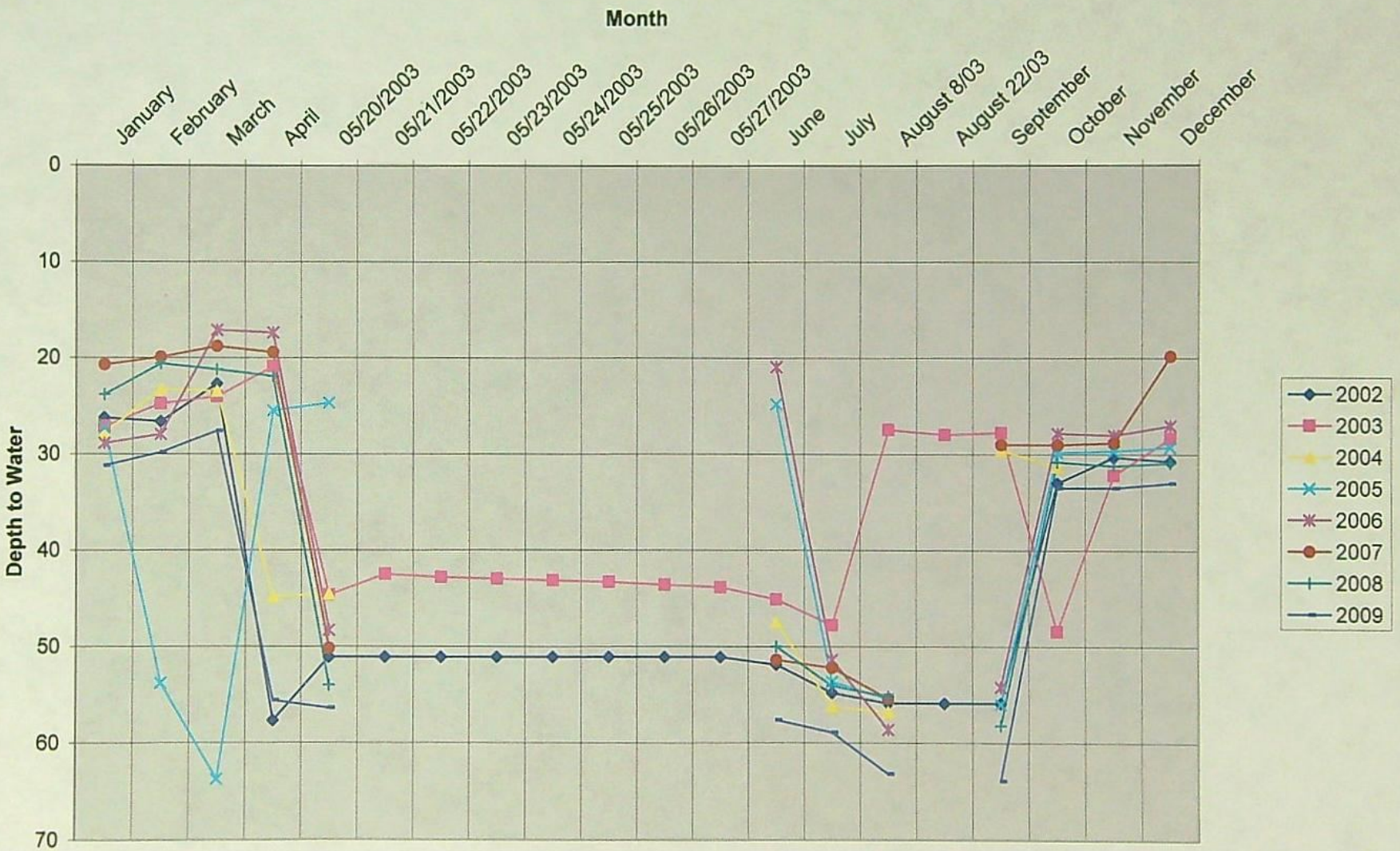
Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	31.2		0	31.2	-1.1	30.1	T	S	WDF	14811500		
02/26/2009	29.8		0	29.8	-1.1	28.7	T	S	WDF	14811500		
03/25/2009	27.6		0	27.6	-1.1	26.5	T	S	WDF	14811500		
04/25/2009	55.6		0	55.6	-1.1	54.5	T	S	WDF	21295000		
05/23/2009	56.4		0	56.4	-1.1	55.3	T	P	WDF	32049900	223	
06/20/2009	57.6		0	57.6	-1.1	56.5	T	P	WDF	41759000	174	
07/25/2009	58.9		0	58.9	-1.1	57.8	T	P	WDF	56290200	176	
08/29/2009	63.2		0	63.2	-1.1	62.1	T	P	WDF	69558800	171	
09/26/2009	63.9		0	63.9	-1.1	62.8	T	P	WDF	79123100	172	
10/31/2009	33.5		0	33.5	-1.1	32.4	T	S	WDF	81559800		
11/28/2009	33.5		0	33.5	-1.1	32.4	T	S	WDF			
12/26/2009	33		0	33	-1.1	31.9	T	S	WDF			

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape
** S = Static, R = Recovering, P = Pumping (use one of these only)

L34030


Month
January
February
March
April
05/20/2003
05/21/2003
05/22/2003
05/23/2003
05/24/2003
05/25/2003
05/26/2003
05/27/2003
June
July
August 8/03
August 22/03
September
October
November
December
Depth to Water
0
10
20
30
40
50
60
70
2002
2003
2004
2005
2006
2007
2008
2009

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes
Pacific Dunes

OWRD wellid (well tag): L34008
P = G-13498
POD # 2/4

T/R-S ABC#: 27s/14w-29cb
ORWD logid: coos 51626
Surface csg diam: 8"
Report ID 63252

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None
Tools needed: Measured through top of well seal

Measuring Points:

Date	ft+/-lsd	Description	L34008

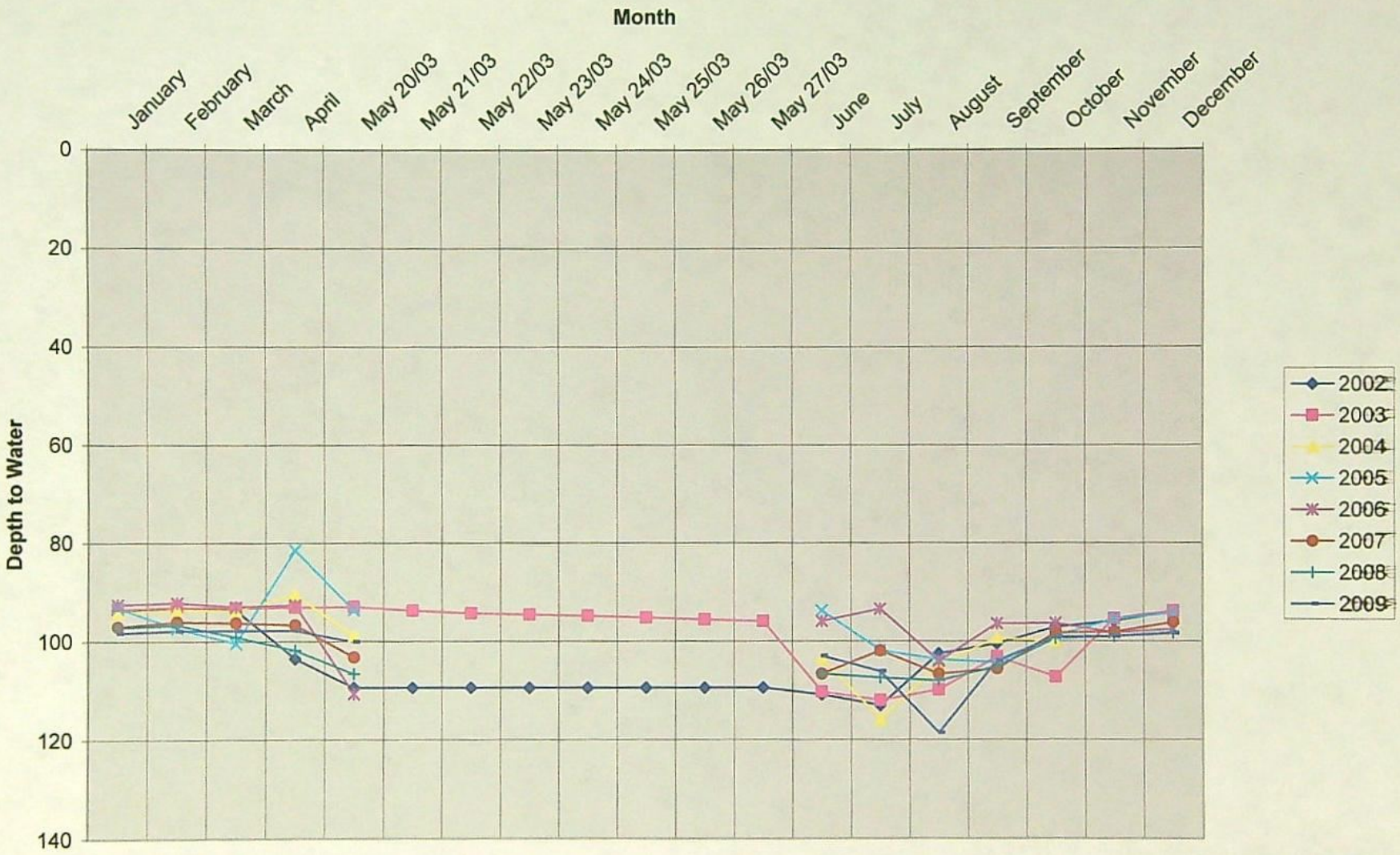
Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	98.3		0	98.3	-1.2	97.1	T	S	WDF	41239300		
02/26/2009	97.8		0	97.8	-1.2	96.6	T	S	WDF	41239300		
03/25/2009	97.8		0	97.8	-1.2	96.6	T	S	WDF	41239300		
04/25/2009	97.8		0	97.8	-1.2	96.6	T	S	WDF	41239300		
05/23/2009	100.1		0	100.1	-1.2	98.9	T	S	WDF	41239300		
06/20/2009	103		0	103	-1.2	101.8	T	S	WDF	42237900		
07/25/2009	106.1		0	106.1	-1.2	104.9	T	S	WDF	42566100		
08/29/2009	118.6		0	118.6	-1.2	117.4	T	P	WDF	43849000	264	
09/26/2009	104		0	104	-1.2	102.8	T	S	WDF	44532400		
10/31/2009	99.1		0	99.1	-1.2	97.9	T	S	WDF	44532400		
11/28/2009	99		0	99	-1.2	97.8	T	S	WDF			
12/26/2009	98.4		0	98.4	-1.2	97.2	T	S	WDF			

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape
** S = Static, R = Recovering, P = Pumping (use one of these only)

L34008


Month
January
February
March
April
May 20/03
May 21/03
May 22/03
May 23/03
May 24/03
May 25/03
May 26/03
May 27/03
June
July
August
September
October
November
December
Depth to Water
0
20
40
60
80
100
120
140
2002
2003
2004
2005
2006
2007
2008
2009

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes
Pacific Dunes

OWRD wellid (well tag): L34018
P-G-13498
POD # 3/14

T/R-S ABC#: 27s/14w-29cga
ORWD logid: coos 52151
Surface csg diam: 8"
Report ID 63253

Water levels: Easy / OK / Difficult
Tools needed: None

Hang-ups: Y/N at None measured through well seal

Measuring Points:

Date	ft+/-lsd	Description	measured through top of well seal

Water Levels:

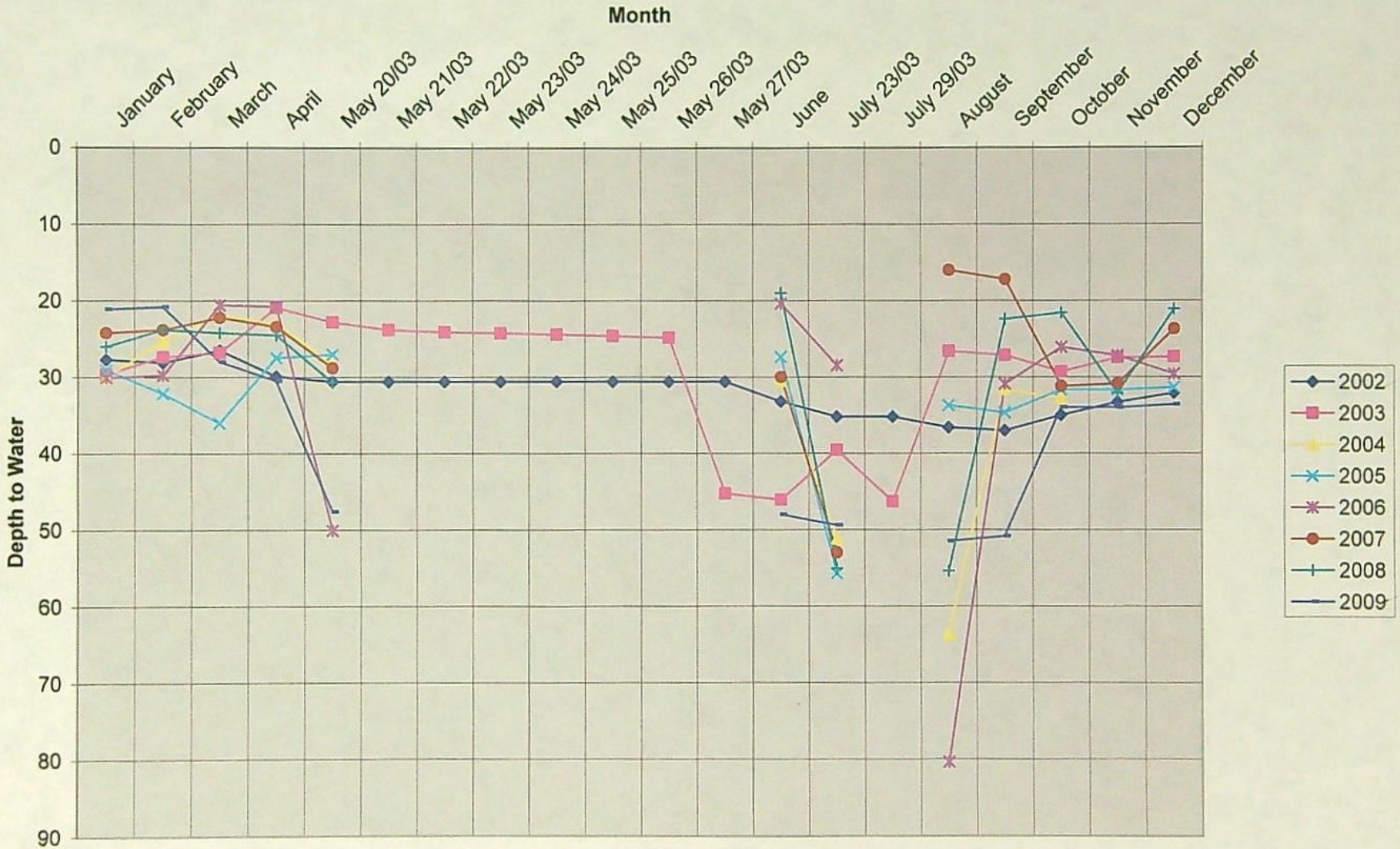
Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	21.1		0	21.1	-3.6	17.5	T	S	WDF	73931400		
02/26/2009	20.8		0	20.8	-3.6	17.2	T	S	WDF	76895400		
03/25/2009	28		0	28	-3.6	24.4	T	S	WDF	76895400		
04/25/2009	30.5		0	30.5	-3.6	26.9	T	S	WDF	77646200		
05/23/2009	47.6		0	47.6	-3.6	44.0	T	P	WDF	81073300	182	
06/20/2009	48		0	48	-3.6	44.4	T	P	WDF	84802000	138	
07/25/2009	49.4		0	49.4	-3.6	45.8	T	P	WDF	89269800	138	
08/29/2009	51.5		0	51.5	-3.6	47.9	T	P	WDF	93939300	140	
09/26/2009	50.85		0	50.85	-3.6	47.325	T	P	WDF	96433700	155	
10/31/2009	33.95		0	33.95	-3.6	30.435	T	S	WDF	98553500		
11/28/2009	34		0	34	-3.6	30.4	T	S	WDF			
12/26/2009	33.6		0	33.6	-3.6	30.0	T	S	WDF			

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)

L34018


Month
January
February
March
April
May 20/03
May 21/03
May 22/03
May 23/03
May 24/03
May 25/03
May 26/03
May 27/03
June
July 23/03
July 29/03
August
September
October
November
December
Depth to Water
0
10
20
30
40
50
60
70
80
90
2002
2003
2004
2005
2006
2007
2008
2009

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes
Pacific Dunes

OWRD wellid (well tag): L34007

P=G-13498
POD # 4/10

T/R-S ABC#: 27s/14w-29cc
ORWD logid: coos 51622
Surface csg diam: 8"

Report ID 63254

Easy / OK / Difficult Hang-ups: Y/N at None

Tools needed: Channel locks measured through well access port in well seal

Measuring Points:

Date	ft+/-lsd	Description
		L34007

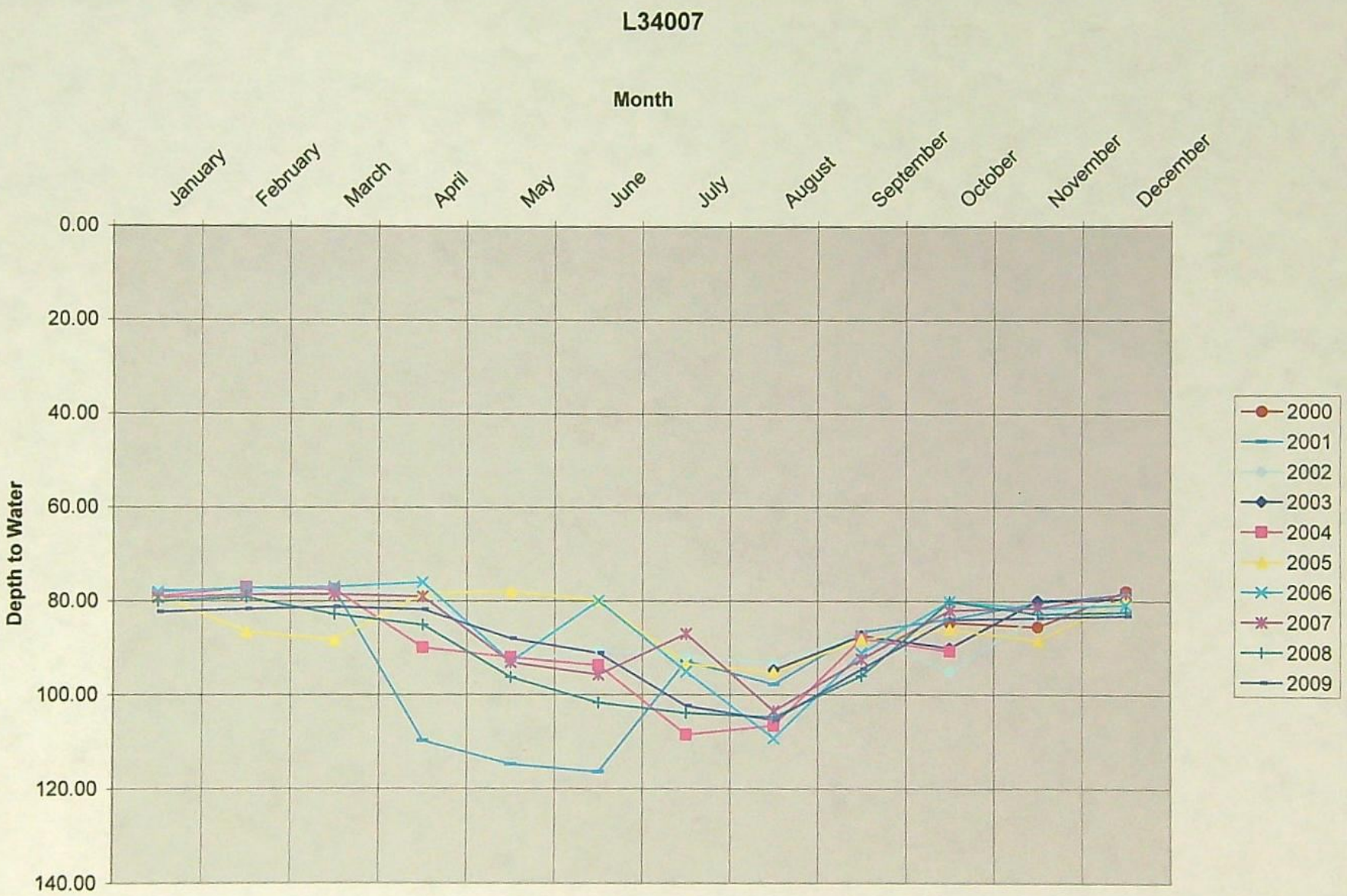
Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	82.3		0	82.3	-1.4	80.9	T	S	WDF	10776500		
02/26/2009	81.7		0	81.7	-1.4	80.3	T	S	WDF	10776500		
03/25/2009	81.2		0	81.2	-1.4	79.8	T	S	WDF	10776500		
04/25/2009	81.8		0	81.8	-1.4	80.4	T	S	WDF	10776500		
05/23/2009	88		0	88	-1.4	86.6	T	S	WDF	10776500		
06/20/2009	91.1		0	91.1	-1.4	89.7	T	S	WDF	10776500		
07/25/2009	102.4		0	102.4	-1.4	101	T	P	WDF	10776500	281	
08/29/2009	105.4		0	105.4	-1.4	104	T	P	WDF	10776500	288	
09/26/2009	94.5		0	94.5	-1.4	93.1	T	R	WDF	10776500		
10/31/2009	84		0	84	-1.4	82.6	T	S	WDF	10776500		
11/28/2009	83.6		0	83.6	-1.4	82.2	T	S	WDF			
12/26/2009	83.1		0	83.1	-1.4	81.7	T	S	WDF			

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)


L34007
Month
January
February
March
April
May
June
July
August
September
October
November
December
Depth to Water
0.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes / Old MacDonald

OWRD wellid (well tag): L91192

P=G-13498

POD 5/14

T/R-S ABC#:

ORWD logid: Coos

Surface csg diam:

Report ID 64615

Water levels: Easy / OK / Difficult

Hang-ups: Y/N at NONE

Tools needed:

Measuring Points:

Date	ft+/-lsd	Description

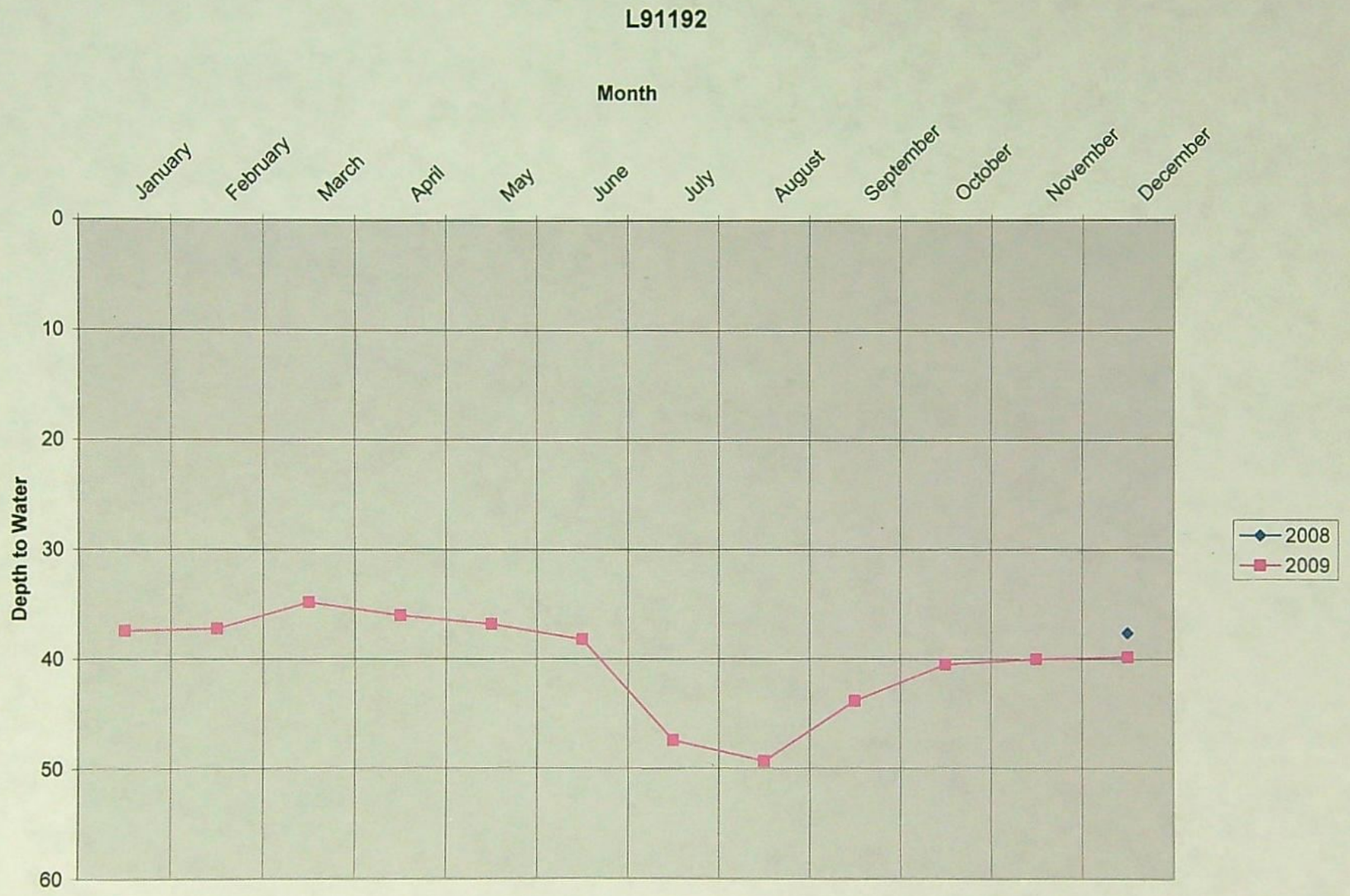
Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	37.4		0	37.4		37.4	T	S	WDF	0		
02/26/2009	37.2		0	37.2		37.2	T	S	WDF	0		
03/25/2009	34.8		0	34.8		34.8	T	S	WDF	0		
04/25/2009	36		0	36		36	T	S	WDF	0		
05/23/2009	36.8		0	36.8		36.8	T	S	WDF	0		
06/20/2009	38.2		0	38.2		38.2	T	S	WDF	0		
07/25/2009	47.4		0	47.4		47.4	T	S	WDF	0		
08/29/2009	49.3		0	49.3		49.3	T	S	WDF	0		
09/26/2009	43.8		0	43.8		43.8	T	S	WDF	0		
10/31/2009	40.5		0	40.5		40.5	T	S	WDF	0		
11/28/2009	40		0	40		40	T	S	WDF	0		
12/26/2009	39.8		0	39.8		39.8	T	S	WDF	0		

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)


L91192
Month
January
February
March
April
May
June
July
August
September
October
November
December
Depth to Water
0
10
20
30
40
50
60
2008
2009

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes

OWRD wellid (well tag): L10848

p = G-13498

POD# 6/4

T/R-S ABC#: 27s/14w/31

ORWD logid: coos 50514

Surface csg diam: 8"

Report ID 47810

Water levels: Easy / OK / Difficult

Tools needed: None

Hang-ups: Y/N at None

Measured through pitless adapter pvc pipe sticking through top.

Measuring Points:

Date	ft+/-lsd	Description	mp top of pvc pipe sticking out of pitless adapter
		well located by golf hole # 3 on bandon dunes golf course	

Water Levels:

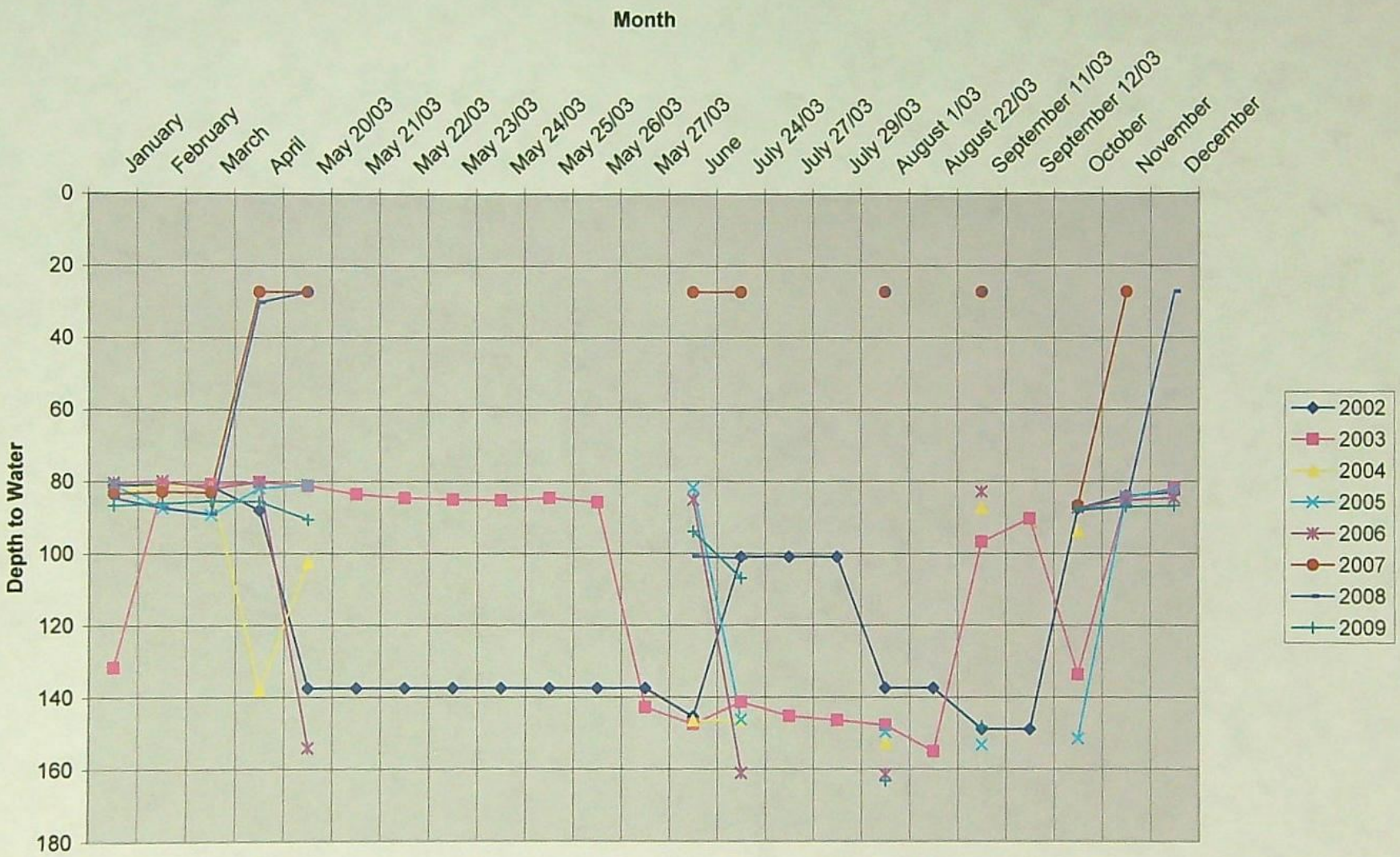
Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	86.6		0	86.6	-1.25	85.35	T	S	WDF	66457000		
02/26/2009	86.1		0	86.1	-1.25	84.85	T	S	WDF	66457000		
03/25/2009	85.4		0	85.4	-1.25	84.15	T	S	WDF	66457000		
04/25/2009	85.6		0	85.6	-1.25	84.35	T	S	WDF	66457000		
05/23/2009	90.6		0	90.6	-1.25	89.35	T	S	WDF	66456900		
06/20/2009	93.9		0	93.9	-1.25	92.65	T	S	WDF	69554000		
07/25/2009	107		0	107	-1.25	105.75	T	P	WDF	76834800	239	
08/29/2009	163.3		0	163.3	-1.25	162.05	T	P	WDF	85205600	250	
09/26/2009	148.1		0	148.1	-1.25	146.85	T	P	WDF	86535700	192	
10/31/2009	87.5		0	87.5	-1.25	86.25	T	S	WDF	86887500		
11/28/2009	87		0	87	-1.25	85.75	T	S	WDF			
12/26/2009	86.8		0	86.8	-1.25	85.55	T	S	WDF			

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)

L10848


Month
January
February
March
April
May 20/03
May 21/03
May 22/03
May 23/03
May 24/03
May 25/03
May 26/03
May 27/03
June
July 24/03
July 27/03
July 29/03
August 1/03
August 22/03
September 11/03
September 12/03
October
November
December
Depth to Water
0
20
40
60
80
100
120
140
160
180
2002
2003
2004
2005
2006
2007
2008
2009

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes

OWRD wellid (well tag): L18620

p = G - 13498

pod # 7/14

T/R-S ABC#: 27s/14w 32 bbd

ORWD logid: coos 50970

Surface csg diam: 8"

Report ID 47814

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None Measured through pvc pipe in well seal

Tools needed: None

Measuring Points:

Date	ft+/-lsd	Description	North of hole #3 for Bandon Dunes across road by Pacific Dunes Putting Green

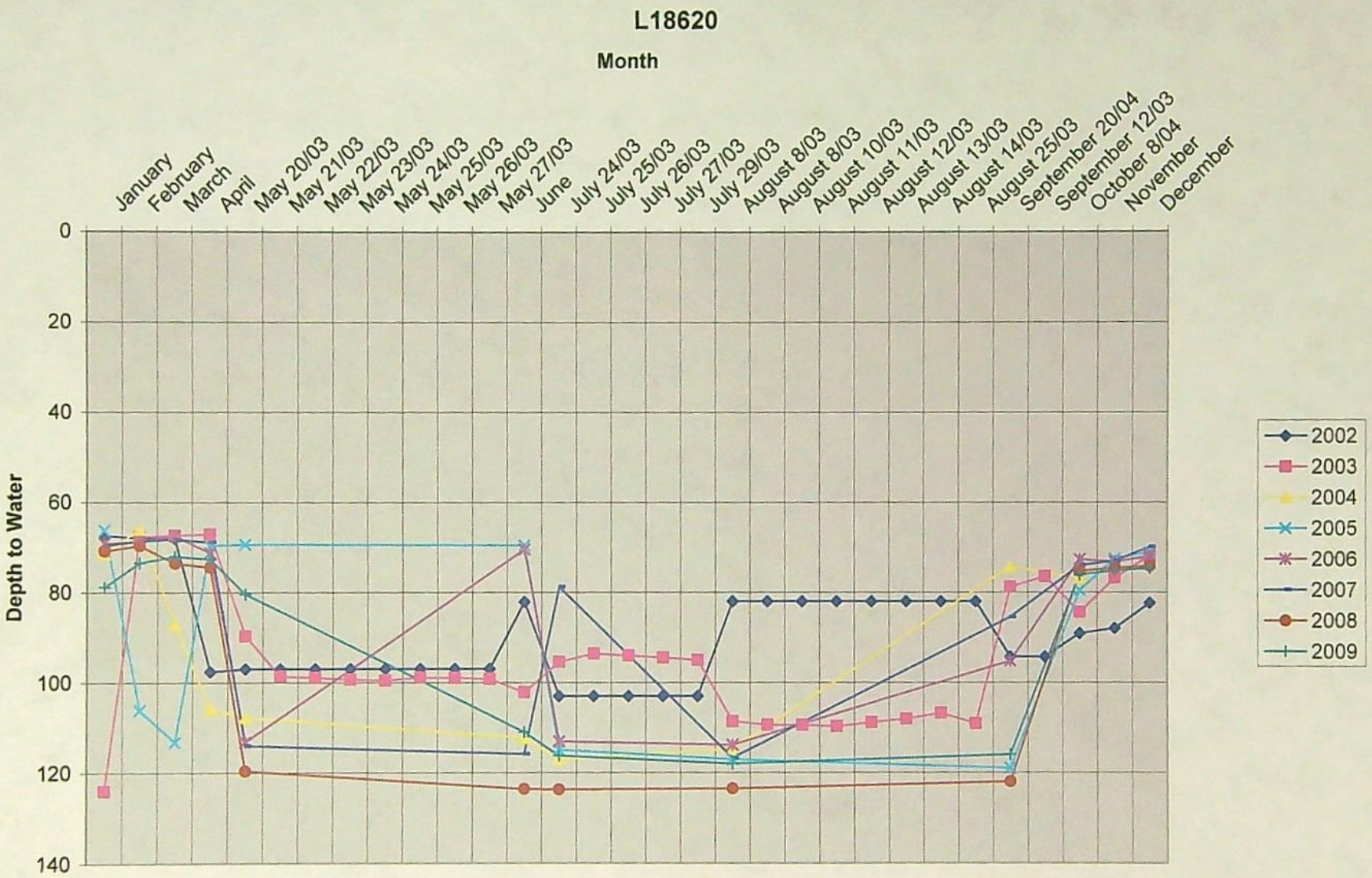
Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	78.8		0	78.8	-2.2	76.6	T	P	WDF	82673900		
02/26/2009	73.4		0	73.4	-2.2	71.2	T	S	WDF	82673900		
03/25/2009	72		0	72	-2.2	69.8	T	S	WDF	82673900		
04/25/2009	72.6		0	72.6	-2.2	70.4	T	S	WDF	82673900		
05/23/2009	80.4		0	80.4	-2.2	78.2	T	P	WDF	83683100		
06/20/2009	111		0	111	-2.2	108.8	T	P	WDF	90290100	185	
07/25/2009	116.2		0	116.2	-2.2	114	T	P	WDF	98767100	183	
08/29/2009	118		0	118	-2.2	115.8	T	P	WDF	7839900	184	
09/26/2009	116		0	116	-2.2	113.8	T	P	WDF	13595800	184	
10/31/2009	76.1		0	76.1	-2.2	73.9	T	P	WDF	14409100		
11/28/2009	75.2		0	75.2	-2.2	73	T	S	WDF			
12/26/2009	74.7		0	74.7	-2.2	72.5	T	S	WDF			

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)


L18620
Month
January
February
March
April
May 20/03
May 21/03
May 22/03
May 23/03
May 24/03
May 25/03
May 26/03
May 27/03
June
July 24/03
July 25/03
July 26/03
July 27/03
July 29/03
August 8/03
August 8/03
August 10/03
August 11/03
August 12/03
August 13/03
August 14/03
August 25/03
September 20/04
September 12/03
October 8/04
November
December
Depth to Water
0
20
40
60
80
100
120
140
2002
2003
2004
2005
2006
2007
2008
2009

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes

OWRD wellid (well tag): L10847

P = G-13498
POD# 8/14

T/R-S ABC#: 27s/14w/31
ORWD logid: coos 50508
Surface csg diam: 6"

Report ID 47811

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None hole in well seal takes time to get by the wiring
Tools needed: None

Measuring Points:

Date	ft+/-lsd	Description	measured through top of well seal well is located by hole 13 on Bandon Dunes

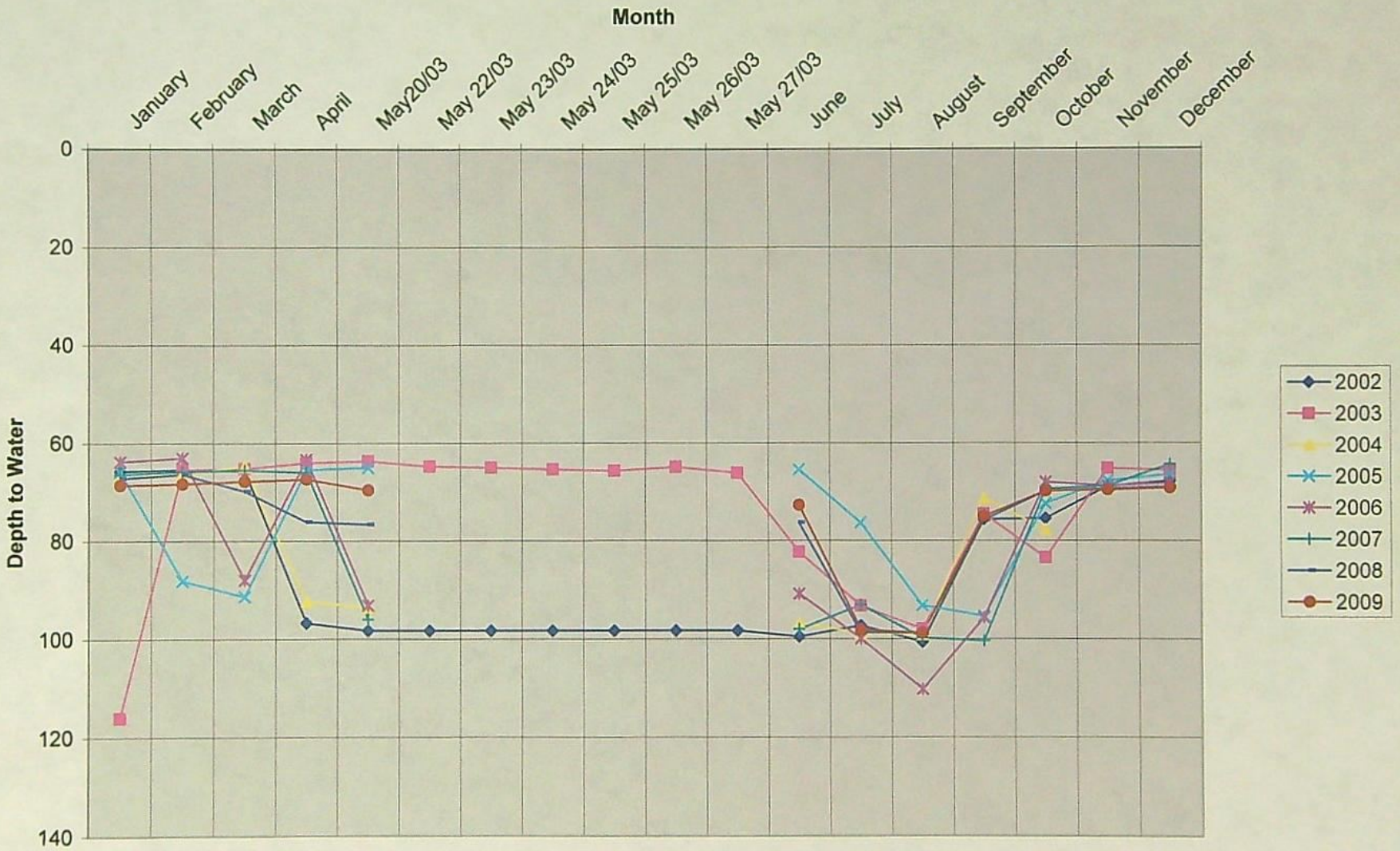
Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	68.6		0	68.6	-1.4	67.2	T	S	WDF	8624470		
02/26/2009	68.3		0	68.3	-1.4	66.9	T	S	WDF	8624470		
03/25/2009	67.8		0	67.8	-1.4	66.4	T	S	WDF	8624470		
04/25/2009	67.4		0	67.4	-1.1	66.3	T	S	WDF	9215960		
05/23/2009	69.6		0	69.6	-1.1	68.5	T	S	WDF	9215960		
06/20/2009	72.7		0	72.7	-1.1	71.6	T	S	WDF	9414850		
07/25/2009	98.1		0	98.1	-1.1	97	T	P	WDF	1050260	188	
08/29/2009	98.8		0	98.8	-1.1	97.7	T	P	WDF	3678390	212	
09/26/2009	75		0	75	-1.1	73.9	T	S	WDF	4493700		
10/30/2009	69.8		0	69.8	-1.1	68.7	T	S	WDF	4493700		
11/28/2009	69.6		0	69.6	-1.1	68.5	T	S	WDF			
12/26/2009	69.2		0	69.2	-1.1	68.1	T	S	WDF			

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape
** S = Static, R = Recovering, P = Pumping (use one of these only)

L10847


Month
January
February
March
April
May20/03
May 22/03
May 23/03
May 24/03
May 25/03
May 26/03
May 27/03
June
July
August
September
October
November
December
Depth to Water
0
20
40
60
80
100
120
140
2002
2003
2004
2005
2006
2007
2008
2009

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes

OWRD well id (well tag): Old State Well

T/R-S ABC#:

ORWD logid: Coos 1252

Surface csg diam:

P = G13498 ??
POD 9/14

Water levels: Easy / OK / Difficult

Hang-ups: Y/N at

Tools needed:

Measuring Points:

Date	ft+/-lsd	Description

Water Levels:

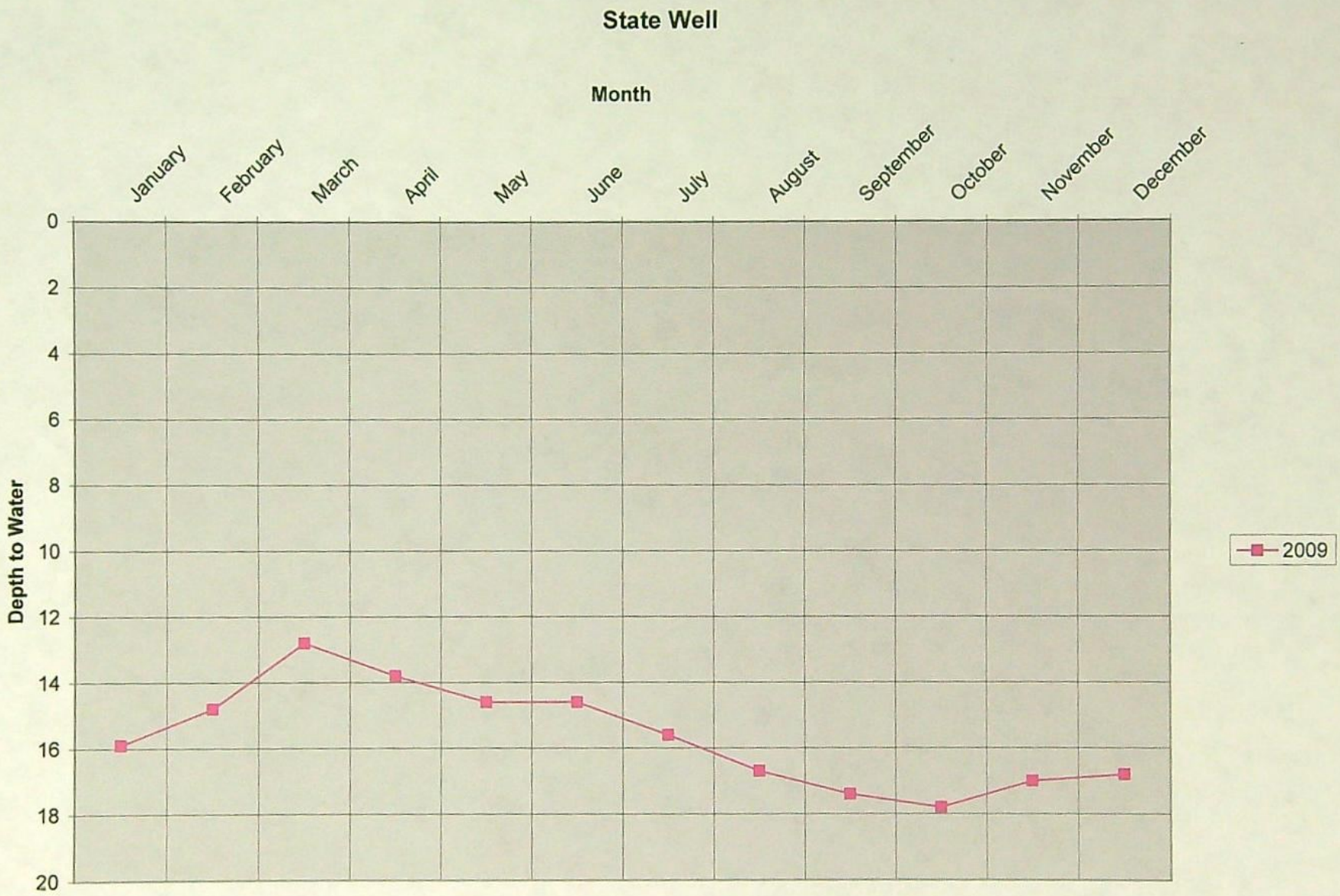
9999,99

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	15.9		0		0	0	T		WDF			
02/26/2009	14.8		0		0	0	T		WDF			
03/25/2009	12.8		0		0	0	T		WDF			
04/25/2009	13.8		0		0	0	T		WDF			
05/23/2009	14.6		0		0	0	T		WDF			
06/20/2009	14.6		0		0	0	T		WDF			
07/25/2009	15.6		0		0	0	T		WDF			
08/29/2009	16.7		0		0	0	T		WDF			
09/26/2009	17.4		0		0	0	T		WDF			
10/31/2009	17.8		0		0	0	T		WDF			
11/28/2009	17		0		0	0	T		WDF			
12/26/2009	16.8		0		0	0	T		WDF			

Comments:

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)


State Well
Month
January
February
March
April
May
June
July
August
September
October
November
December
Depth to Water
0
2
4
6
8
10
12
14
16
18
20
2009

WATER LEVEL INVENTORY SHEETS

Site name: Bandon Dunes
Potable water supply

OWRD wellid (well tag): L25195
p=G-13498
POD 10/14

T/R-S ABC#: 28s/14w-5bd
ORWD logid: coos 1253 51152
Surface csg diam: 8"
Report ID 47813

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None Remove vent on top of pitless adapter
Tools needed: None remove cap and measure down south end 3/8" socket and open end wrench

Measuring Points:

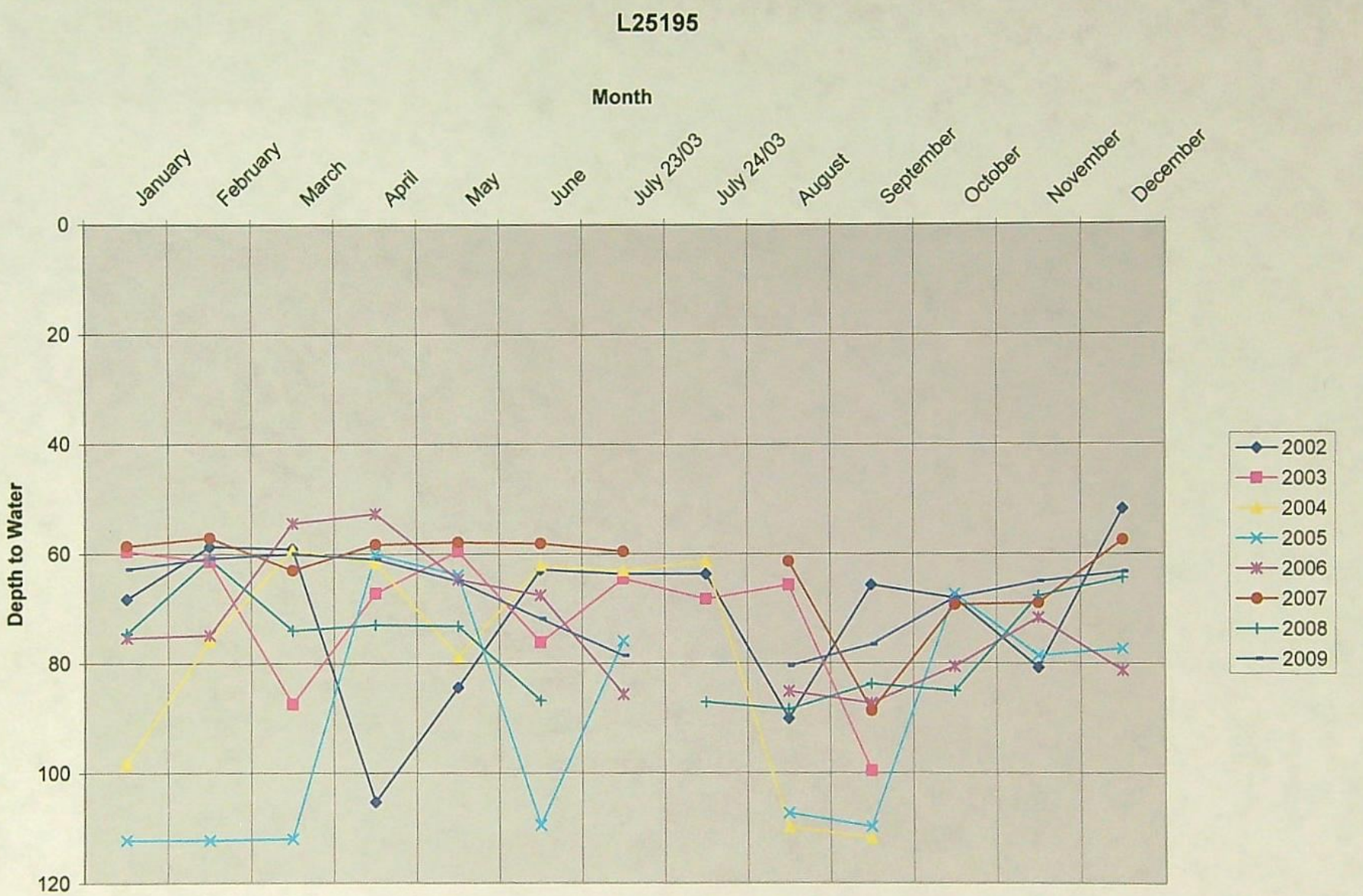
Date	ft+/-lsd	Description mp top of well seal
		Used as monitoring well.

Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	62.8		0	62.8 ✓	0	0	T	S	WDF	not used	Off	
02/26/2009	60.8		0	60.8 ✓	0	0	T	S	WDF	not used	Off	
03/25/2009	60		0	60 ✓	0	0	T	S	WDF	not used	Off	
04/25/2009	61		0	61 ✓	0	0	T	S	WDF	not used	Off	
05/23/2009	65		0	65 ✓	0	0	T	S	WDF	not used	Off	
06/20/2009	71.9		0	71.9 ✓	0	0	T	S	WDF	not used	Off	
07/25/2009	78.6		0	78.6 ✓	0	0	T	S	WDF	not used	Off	
08/29/2009	80.5		0	80.5 ✓	0	0	T	S	WDF	not used	Off	
09/26/2009	76.6		0	76.6 ✓	0	0	T	S	WDF	not used	Off	
✓ 10/31/2009	68		0	68 ✓	0 ✓	0	T	S	WDF	not used	Off	
✓ 11/28/2009	65.1		0	65.1 ✓	0 ✓	0	T	S	WDF	not used	Off	
✓ 12/26/2009	63.3		0	63.3 ✓	0 ✓	0	T	S	WDF	not used	Off	

Comments

*** A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape**
**** S = Static, R = Recovering, P = Pumping (use one of these only)**


L25195
Month
January
February
March
April
May
June
July 23/03
July 24/03
August
September
October
November
December
Depth to Water
0
20
40
60
80
100
120
2002
2003
2004
2005
2006
2007
2008
2009

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes

OWRD wellid (well tag): L44790

p-G-13498

POD 11/14

T/R-S ABC#:

ORWD logid: Coos

Surface csg diam: 8"

Report ID 623255

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None Remove vent on top of pitless adapter

Tools needed: None

Measuring Points:

Date	ft+/-lsd	Description
		Used as a monitoring well.

Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	63		0	63	0	0	T	S	WDF	Not Used	0	
02/26/2009	61.9		0	61.9	0	0	T	S	WDF	Not Used	0	
03/25/2009	58.9		0	58.9	0	0	T	S	WDF	Not Used	0	
04/25/2009	60.9		0	60.9	0	0	T	S	WDF	Not Used	0	
05/23/2009	64.7		0	64.7	0	0	T	S	WDF	Not Used	0	
06/20/2009	71.7		0	71.7	0	0	T	S	WDF	Not Used	0	
07/25/2009	78.2		0	78.2	0	0	T	S	WDF	Not Used	0	
08/29/2009	79.9		0	79.9	0	0	T	S	WDF	Not Used	0	
09/26/2009	76.1		0	76.1	0	0	T	S	WDF	Not Used	0	
10/31/2009	67.55		0	67.55	0	0	T	S	WDF	Not Used	0	
11/28/2009	64.7		0	64.7	0	0	T	S	WDF	Not Used	0	
12/26/2009	62.8		0	62.8	0	0	T	S	WDF	Not Used	0	

Comments

*** A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape**

**** S = Static, R = Recovering, P = Pumping (use one of these only)**


L44790
Month
January
February
March
April
May
June
July
August
September
October
November
December
Depth to Water
0
10
20
30
40
50
60
70
80
90
100
2002
2003
2004
2005
2006
2007
2008
2009

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes

OWRD wellid (well tag): S.E. test well

p2-G-13498

POD 12/14

T/R-S ABC#: 28s-14w-5bd

ORWD logid: Coos 1254

Surface csg diam: 6"

Report ID 63256

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None Measure through well seal

Tools needed: Measured through top of well seal

Measuring Points:

Date	ft+/-lsd	Description	southeast of potable well

Water Levels:

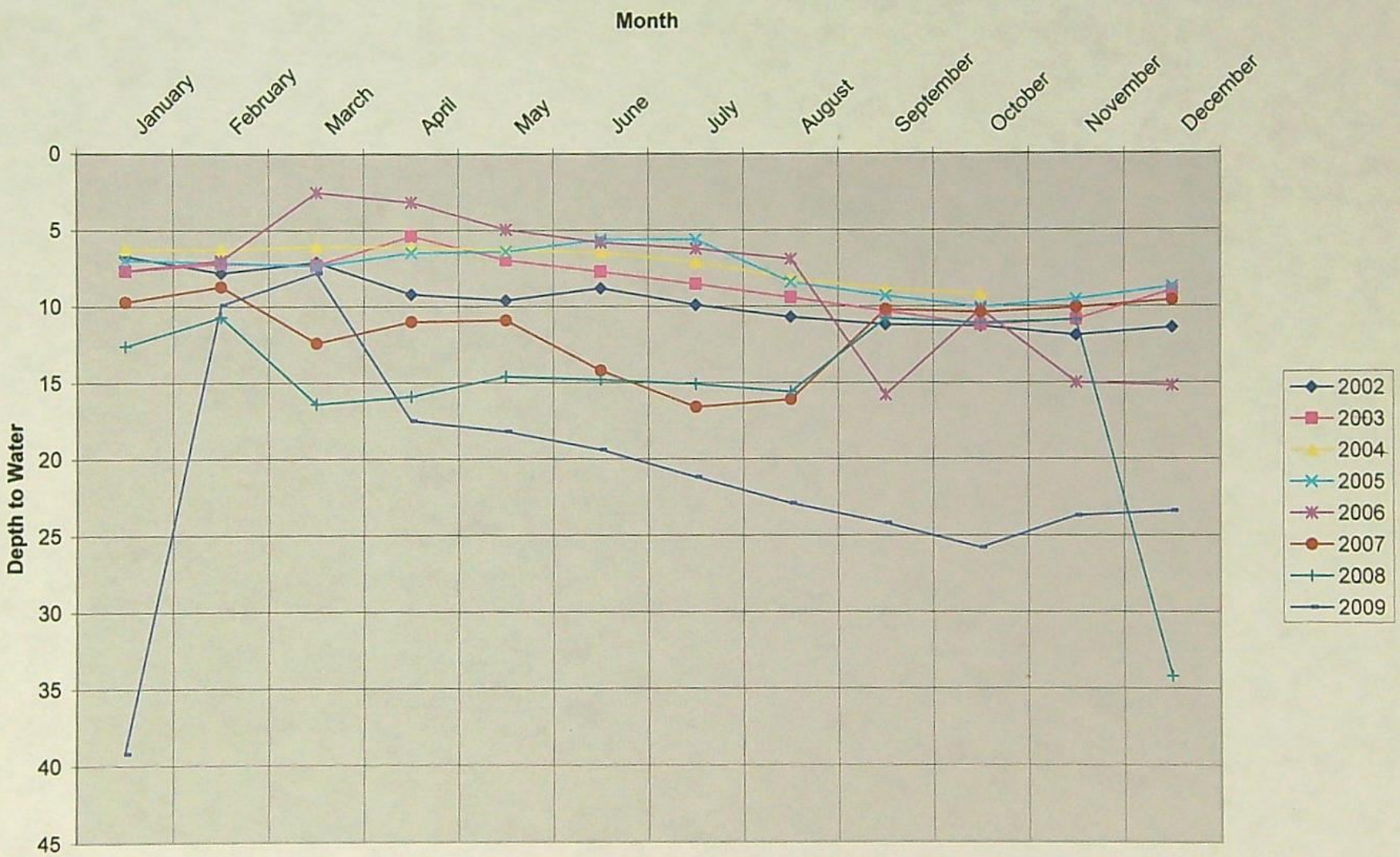
Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	39.2		0	39.2	0	0	T	S	WDF	0		
02/26/2009	9.9		0	9.9	0	0	T	S	WDF	0		
03/25/2009	7.8		0	7.8	0	0	T	S	WDF	0		
04/25/2009	17.5		0	17.5	0	0	T	S	WDF	0		
05/23/2009	18.2		0	18.2	0	0	T	S	WDF	0		
06/20/2009	19.4		0	19.4	0	0	T	S	WDF	0		
07/25/2009	21.2		0	21.2	0	0	T	S	WDF	0		
08/29/2009	22.9		0	22.9	0	0	T	S	WDF	0		
09/26/2009	24.2		0	24.2	0	0	T	S	WDF	0		
10/31/2009	25.8		0	25.8	0	0	T	S	WDF	0		
11/28/2009	23.7		0	23.7	0	0	T	S	WDF	0		
12/26/2009	23.4		0	23.4	0	0	T	S	WDF	0		

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)

S.E. test well


Month
January
February
March
April
May
June
July
August
September
October
November
December
Depth to Water
0
5
10
15
20
25
30
35
40
45
2002
2003
2004
2005
2006
2007
2008
2009

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes / Bandon Trails

OWRD wellid (well tag): L69436

P = G-13498

POD 13/14

T/R-S ABC#:

ORWD logid:

Surface csg diam:

Report ID 63257

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None Measure through well seal

Tools needed:

Measuring Points:

Date	ft+/-lsd	Description	By hole 14 x 15

Water Levels:

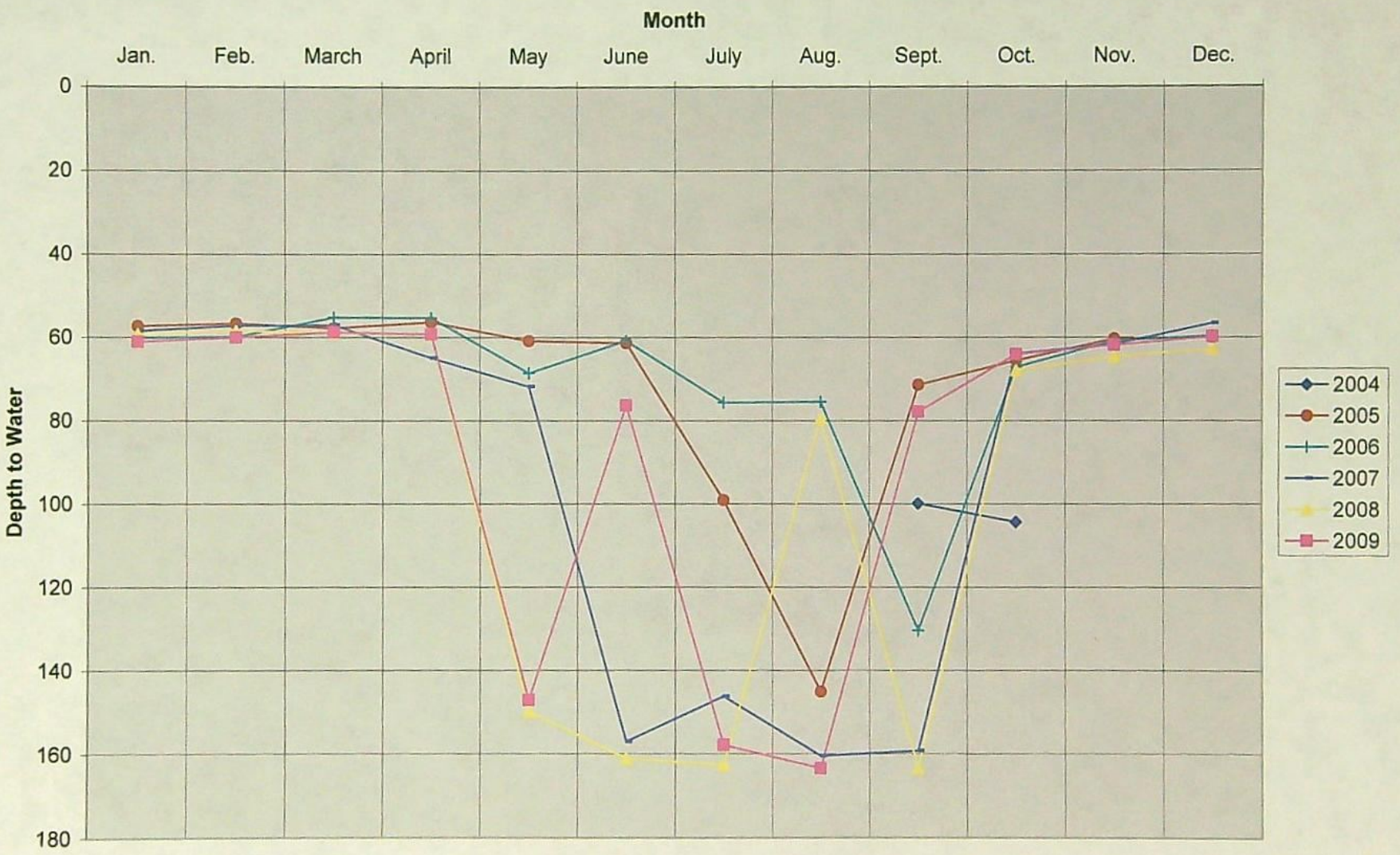
Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	61		0	61	0	0	T	S	WDF	33981800		
02/26/2009	60		0	60	0	0	T	S	WDF	33981800		
03/25/2009	58.7		0	58.7	0	0	T	S	WDF	33981800		
04/25/2009	59.2		0	59.2	0	0	T	S	WDF	33981800		
05/23/2009	147.1		0	147.1	0	0	T	P	WDF	36399000	426	
06/20/2009	76.3		0	76.3	0	0	T	S	WDF	46510200		
07/25/2009	157.8		0	157.8	0	0	T	P	WDF	64172200	420	
08/29/2009	163.4		0	163.4	0	0	T	P	WDF	79107100	400	
09/26/2009	77.8		0	77.8	0	0	T	R	WDF	86665200		
10/31/2009	64		0	64	0	0	T	S	WDF	86665200		
11/28/2009	61.8		0	61.8	0	0	T	S	WDF			
12/26/2009	59.8		0	59.8	0	0	T	S	WDF			

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape

** S = Static, R = Recovering, P = Pumping (use one of these only)

L69436


Month
Jan.
Feb.
March
April
May
June
July
Aug.
Sept.
Oct.
Nov.
Dec.
Depth to Water
0
20
40
60
80
100
120
140
160
180
2004
2005
2006
2007
2008
2009

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes
Potable well

OWRD wellid (well tag): L74686
P=G-13498
POD 14/14

T/R-S ABC#:
ORWD logid: Coos 53275
Surface csg diam: 8"
Report ID 63258

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None Remove vent on top of pitless adapter
Tools needed: None

Measuring Points:

Date	ft+/-lsd	Description
		Backup well for main well

Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	73		0	73	0	0	T	P	WDF	71666300		
02/26/2009	52.8		0	52.8	0	0	T	P	WDF	72334600		
03/25/2009	55.9		0	55.9	0	0	T	P	WDF	72808800		
04/25/2009	57.1		0	57.1	0	0	T	P	WDF	73387200		
05/23/2009	74		0	74	0	0	T	P	WDF	74100800		
06/20/2009	88.6		0	88.6	0	0	T	P	WDF	74736500	448	
07/25/2009	86.1		0	86.1	0	0	T	P	WDF	75484500	477	
08/29/2009	88.2		0	88.2	0	0	T	P	WDF	76503300		
09/26/2009	89.5		0	89.5	0	0	T	P	WDF	77296100	450	
10/31/2009	62		0	62	0	0	T	P	WDF	78156700		
11/28/2009	59.6		0	59.6	0	0	T	P	WDF	78673700		
12/26/2009	58		0	58	0	0	T	P	WDF	79200700		

Comments

* A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape
** S = Static, R = Recovering, P = Pumping (use one of these only)


L74686
Month
January
February
March
April
May
June
July
August
September
October
November
December
Depth to Water
0
10
20
30
40
50
60
70
80
90
100
2005
2006
2007
2008
2009

WATER LEVEL INVENTORY SHEET

Site name: Bandon Dunes

OWRD wellid (well tag): Warren's well

~~L~~20179

start card #

T/R-S ABC#:

ORWD logid: Coos 330 ?

Surface csg diam: 8"

Report ID 47809

Water levels: Easy / OK / Difficult Hang-ups: Y/N at None Measure through well seal

Tools needed: Measured through top of well seal

Measuring Points:

Date	ft+/-lsd	Description

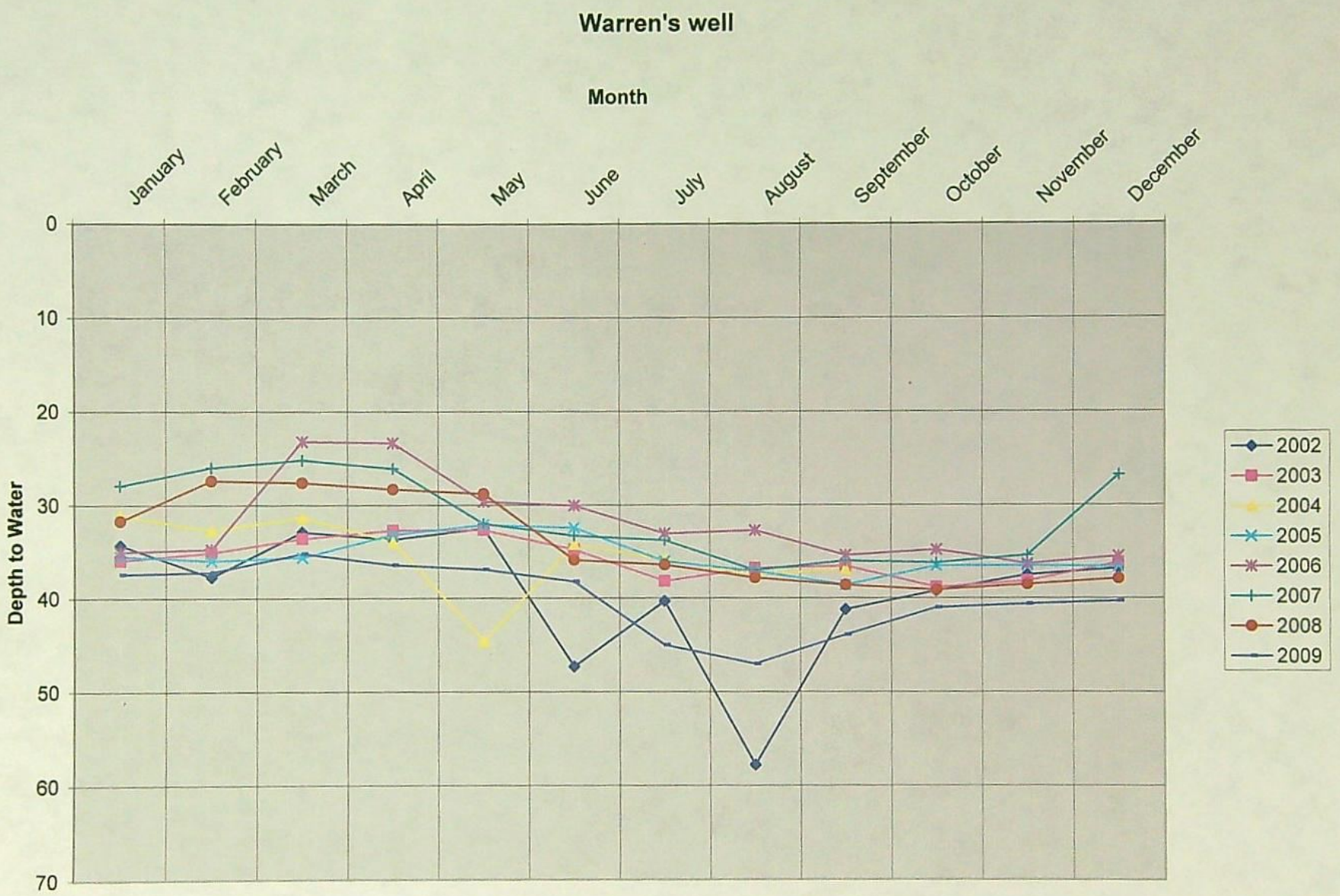
Water Levels:

Date	Hold	Cut	Tape Strtch	WL BMP	MP corr	WL BLSD	Method *	Status **	Meas by	Flowmeter	µS/cm Conductivity	
01/29/2009	37.4		0	37.4	0	0	T	S	WDF			
02/26/2009	37.2		0	37.2	0	0	T	S	WDF			
03/25/2009	35.2		0	35.2	0	0	T	S	WDF			
04/25/2009	36.4		0	36.4	0	0	T	S	WDF			
05/23/2009	36.9		0	36.9	0	0	T	S	WDF			
06/20/2009	38.2		0	38.2	0	0	T	S	WDF			
07/25/2009	45		0	45	0	0	T	S	WDF			
08/29/2009	47		0	47	0	0	T	S	WDF			
09/26/2009	43.9		0	43.9	0	0	T	S	WDF			
10/31/2009	41		0	41	0	0	T	S	WDF			
11/28/2009	40.6		0	40.6	0	0	T	S	WDF			
12/26/2009	40.3		0	40.3	0	0	T	S	WDF			

Comments

*** A = Airline, G = Pressure Gage, R = Reported, S = Steel Tape, T = E Tape, V = Calibrated E Tape**

**** S = Static, R = Recovering, P = Pumping (use one of these only)**


Warren's well
Month
January
February
March
April
May
June
July
August
September
October
November
December
Depth to Water
0
10
20
30
40
50
60
70
2002
2003
2004
2005
2006
2007
2008
2009

JOHN DROLET, WATERMASTER
COOS COUNTY COURTHOUSE
COQUILLE, OR 97423

PRESORTED FIRST CLASS

COQUILLE JUN-6'96 OREG.

U.S.POSTAGE 0.32

EUGENE, OR 974 06/06/96 23:19 OCR 1

OREGON WATER RESOURCES DEPARTMENT
158 12TH STREET NE
SALEM, OR 97310

TO: Doug Woodcock 06-05-96

FM: JPD

Sub: Bndn Dunes Resort

RECEIVED
JUN 10 1996
WATER RESOURCES DEPT.
SALEM, OREGON

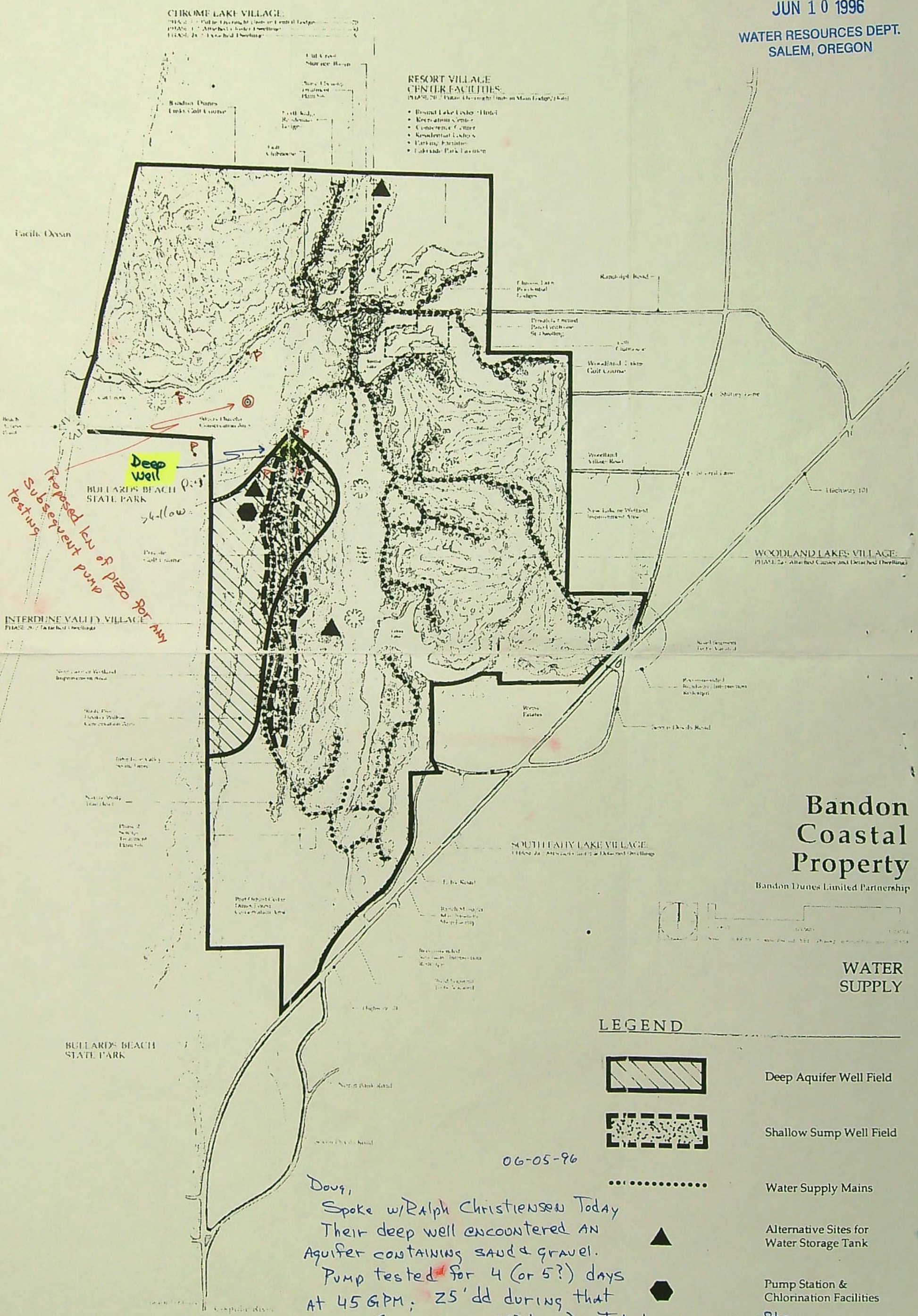


Figure S-8

06-05-96

Doug,

Spoke w/Ralph Christiensen Today
Their deep well encountered an Aquifer containing sand & gravel.
Pump tested for 4 (or 5?) days at 45 GPM; 25'dd during that period (≈ 20' w/in 1st hour). Total recovery after pump test w/in several hours.
No fluctuation in pizo's, shallow well nearby, or dom wells at some distance.

JPD

204206-84

PW-5

07-14-31

STATE OF OREGON
WATER SUPPLY WELL REPORT WELL I.D.# L10848
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form. Pg 1

(START CARD) # 93055

(1) OWNER: Well Number 508
Name EGR
Address
City EUGENE State OR Zip 97401

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 180 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE

Diameter	From	To
10 1/4"	0	180
6"	180	185

SEAL

Material	From	To	Sacks or pounds
Bentonite	6	30	28 sx
Cement	30	34	32 sx
Cement	180	185	1 sx

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☒ Other Bentonite Poured from ground surface
Backfill placed from ft. to ft. Material
Gravel placed from 138 ft. to 180 ft. Size of gravel 6/9

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8"	+2	148'	.250	☒	☐	☒	☐
	8"	148'	168'	.250	☒	☐	☒	☐
	[illegible]				☐	☐	☐	☐
	(Tail Pipe)				☐	☐	☐	☐
Liner:					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method Attached to Casing
☒ Screens Type Houston Type Material Stainless Steel

From	To	Slot size	Number	Diameter	Casing	Liner
148'6"	168'6"	.070		8"	☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
170	20'3"	140'	1 hr.
170	20'11"	140'	2
170	21' 3 1/2"	140'	3
170	21' 7"	140'	4

Temperature of water 52° Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom Bill's
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 Coos Latitude Longitude
Township 27 N or (S) Range 14 E or (W) WM.
Section 31 NE 1/4 SE 1/4
Tax Lot 400 Lot Block Subdivision
Street Address of Well (or nearest address) End of Beaver Hill West Bandon

(10) STATIC WATER LEVEL:
78'3" ft. below land surface. Date 7/22/97
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 10'

From	To	Estimated Flow Rate	SWL
10	81	50+	10'
105	138	100+	65'
148	177	540 GPM	78'

(12) WELL LOG:
Ground Elevation +/- 300'

Material	From	To	SWL
Fill	0	2	
Sand Fine Brown	2	6	
Cemented Sand Brown	6	10	10
Sand Fine-Med W/	10	22	
Sandy Clay Lenses			
Sandy Clay White	22	24	
Sand Fine-Med Brown	24	30	
Sandy Clay Tan	30	34	
Sand Brown Fine-Med	34	40	
Peat	40	41	
Sand Fine-Med Brown	41	45	
Gravel Fine-Med w/Sand	45	55	
Med-Fine Brown			
Sand CBS-Fine w/Gravel	55	73	
Fine-Med Brown			
Gravel Fine-Med w/Sand	73	80	
CBS-Fine Orange Brown			
Gravel Med-Fine W/	80	81	
Sand CBS-Fine Grey			
Continued on Page 2			

Date started 6/11/97 Completed 7/24/97

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
Signed Bandon Well + Septic Co Inc Date

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed [illegible] Date 7/25/97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

204206-94

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

WELL I.D.# L10848 27-14-31

(START CARD) # 93055

Instructions for completing this report are on the last page of this form. Pg 2

(1) OWNER: Well Number 508
Name EGR
Address
City Eugene State OR Zip 97402

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

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

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

HOLE Diameter	From	To	SEAL 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	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

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

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☐ 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 Coos Latitude ____ Longitude ____
Township 27 ☐ N or ☒ S Range 14 ☐ E or ☒ W WM.
Section 31 NE 1/4 SE 1/4
Tax Lot 400 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) End of Randolph West Bandon

(10) STATIC WATER LEVEL:
____ ft. below land surface. Date ____
Artesian pressure ____ lb. per square inch. Date ____

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

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:
Ground Elevation ____

Material	From	To	SWL
Clay Gray w/wood + Gravel CBS	81	85	
Sandy Clay Gray	85	92	
Clay w/ Brct Wood	92	93	
Clay Gray	93	99	
Clay Brn w/ Peat + wood	99	101	
Clay Blue Gray	101	106	
Gravel CBS - Fine w/ Sand Gray	106	120	67?
Fine Gravel w/ Clay Lenses + wood	120	124	
Sand CBS - Fine Gray	124	131	
Sandy Peat Brown	131	135	
Sand Med - Fine Gray	135	138	
Sandy Clay Gray	138	148	
Sand Med - Fine w/ Sand	148	168	78.34
CBS - Fine Gray			
Gravel Fine - Med w/ Gray	168	171	
Clay Lenses			
Gravel Fine - CBS w/ Sand	171	177	
Fine - CBS Gray			
Sandy Clay Gray	177	185	

Date started 6/11/97 Completed 7/24/97

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed Bandon Well + Septic Co Inc. Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed Jim Mackey MGWC Date 7/25/97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

EGR & Associates, Inc.
Engineers, Geologists, and Surveyors
2535 B Prairie Road
Eugene, Oregon 97402
(541) 688-8322

FAX

IF YOU HAVE ANY PROBLEMS WITH THIS TRANSMISSION, CALL **(541)688-8322** OR **FAX (541) 688-8087**

Date 17 July '97

Number of pages including cover sheet ___

To:

Doug Woodcock
OR Water Resources Dept.
158 12th St. NE
Salem, OR 97310

Phone

Fax Phone 378-2496

CC:

From:

Ralph Christensen
EGR & Assoc.

Phone (541) 688-8322

Fax Phone (541) 688-8087

REMARKS:

☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please comment

The information contained in this document is confidential and privileged, and is solely for the above named individual (s) or entity. If you have received this document in error, please send it immediately to its proper destination, or destroy it and contact us immediately at the number above. Any use or distribution of this document by any other person(s) than the intended receiver(s) or recipient(s) is prohibited.

EGR & Associates, Inc.
Engineers, Geologists and Surveyors

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

July 12, 1997

Mr. Doug Woodcock
Hydrogeologist
Oregon Water Resources Department
Commerce Building
158 12th Street NE
Salem, Oregon 97310-0210

RE: Water Right Application G-13577 and Limited License Application LL-0245

Dear Mr. Woodcock:

Thank you for your July 9, 1997 site visit to the Bandon Coastal Dunes project site. I trust the visit has been helpful in your understanding of the layout of the project, the area which it covers, and the large number of possible points of diversion. As I indicated during the visit, it appears that conventional wells tapping deeper aquifers will best serve the golf course's needs and therefore we are currently no longer planning on using sump wells. Silty sand and clay layers separate the deep aquifers from the shallow (near surface) aquifer which is the primary summer water supply for Cut Creek. Further, as you saw, we are spreading the points of diversion over a much broader area than originally envisioned.

The change in the types of wells used to recover water and their distribution will eliminate, or reduce to insignificance, the potential for interference between ground water withdrawal and Cut Creek (and other area streams) since we will not be withdrawing water from the shallow aquifer. The previous five day pump test data showed that the deeper aquifers have significantly lower heads than the shallow aquifer and the shallow aquifer did not respond to the 5 day pumping test indicating the connection is at best very poor. Further, this indicates the shallow aquifer already has a net recharge effect to the deeper aquifers.

For the Limited License we will be using water from four sources: the deep well which was drilled south Cut Creek [PW-2] and the main development center; the two new wells [PW-4 & PW-5] just being completed on the terrace where the first golf course is being constructed; and the "Shuman" well which is an existing well near the north end of the newly acquired Shuman property. Well logs for the Shuman well and the three original test wells (two shallow [PW-1 & PW-3] and one deep [PW-2]) are included with this letter. The two new wells do not yet have well logs as they are just now being completed (the screens for these wells having just arrived).

The two new wells drilled out on the terrace are more tan 2,000 feet west of any other wells or surface water diversions. PW-5 is 1,580 feet from Cut Creek and 1,120 feet from the ocean. PW-5 is 1,950 feet from Cut Creek and 1,675 feet from the ocean. The field notes for these two new wells are reduced to summary logs as follows:

Material Logs: *layers to be screened and utilized as water supply; shading in gravel layers for clarity; depths of the logs are staggered in the following table for comparison of depths (wells top elevations are estimated to be within 15 feet, unsurveyed).

PW-4		**PW-5**	
Depth (feet)	**Material**	**Depth**	**Material**
0 - 2	Sand	0 - 2	fill from site preparation
2 - 13	Fine Sand w/interbedded clay	2 - 6	fine brown sand
		6 - 10	cemented sand, brown
13 - 23	brown sand, fine to medium	10 - 22	fine to medium sand w/sandy clay lenses
23 - 30	peat w/fine to medium sand	22 - 24	sandy clay, white
		24 - 30	fine brown sand
30 - 34	sandy clay w/peat	30 - 34	sandy clay, tan
34 - 40	fine to medium blue-gray sand	34 - 40	brown sand, medium to fine
40 - 65	fine to medium gravel w/sand	40 - 41	peat
		41 - 45	fine to medium brown sand

		45 - 55	medium to fine sandy gravel, brown
65 - 72	gravely sand fine to coarse, blue-gray	55 - 73	gravelly sand, coarse to fine
72 - 83	gray clay w/wood	73 - 80	sandy gravel, medium to fine, orange to brown
83 - 91	unrecovered	80 - 81	sandy gravel, medium to fine, gray
		81 - 85	gray clay w/wood and gravel
91 - 92	wood	85 - 92	gray sandy clay
92 - 94	wood w/peat	92 - 93	clay w/burnt wood
94 - 96	gray sandy clay	93 - 99	gray clay
		99 - 101	brown clay w/burnt wood
		101 - 106	blue-gray clay
96* - 116*	*gray sandy gravel coarse to fine	106 - 120	sandy gravel, coarse to fine, gray
116 - 133	blue-gray medium to fine sand	120 - 124	fine gravel w/clay lenses and wood
		124 - 131	gray sand, fine to coarse
		131 - 135	sandy peat, brown
133 - 142	gray clay w/wood	135 - 138	gray sand, medium to fine
142 - 149	gray clay	138 - 148	sandy clay, gray

149 - 173	gray sandy clay	*148 - *168	*medium to fine sandy gravel, gray
173 - 185	sandy gravel, medium to fine, green	168 - 171	gravel w/clay interbeds, gray
		171 - 177	sandy gravel, coarse to fine, gray
		177 - 185	sandy clay, gray
185 - 196	sandy gravel, medium to fine, green w/ clay lenses		
196 - 216	gray sandy clay		
216 - 243	gray sandy clay medium sand		

The two new wells will be sealed from the surface to just above the screened zone. Screens will be 10 feet long with a sand pack. It can be seen from the logs that low permeability layers are common between the gravel aquifer zones. The deepest zone of PW-3 will not be used and this portion of the well will be sealed off using cement.

The water to be used for the Water Right Permit Application G-13577 will initially come from the same the four wells as in the limited license. We propose to add additional wells for the permit in the areas outlined in our May 27, 1997 letter and accompanying map. With the installation of the new deep wells, which do not have direct impact on any surface water bodies, we would propose the following conditions on the water right permit:

1. Monitor water levels in all on-site wells and piezometers for the first three years after bringing the wells on-line. Water levels would be taken at least monthly for the first year, and quarterly for the next two years. Piezometers will be installed near PW-4 and water levels read from these piezometers as well.

2. Each new well (either before being installed and/or put into service) will be reviewed by the WRD to confirm the well is unlikely to cause interference with other water rights or surface water streams. If an interference is likely the well

location may moved or mitigation measures instituted (such as a percentage of the flow returned to the affected stream).

3. Meters on all water sources used on the site.

4. At least quarterly monitoring of conductivity in production wells will be used to monitor against salt water intrusion where drawdowns project below seas level.

Any other usual conditions established by the WRD for ground water permits will also be expected to appear on this permit.

Included with this letter is also the map of the terrace area showing the locations of the new PW-4 and PW-5 wells. Other wells and piezometer locations are shown on maps previously submitted to the Department.

If we can provide any other information please let us know immediately as the Limited License is now been in process for some time and the need to start construction activities and clean up the site is pressing. We would also like to move the Water Right Permit Application through the process as expeditiously as possible. Anything you can do to move this application along would be appreciated. We will gladly work with you to set permit conditions to expedite the process.

Sincerely,

Ralph W. Christensen RPG
Principal Geologist

EGR & ASSOCIATES, Inc.
2545 K Prairie Road, Eugene, Oregon 97402
Phone (541) 688-8322 - FAX (541) 688-8087

****

DATE: 5/5/97

TO: Doug Woodcock

REPRESENTING: WRD

PROJECT:

FROM: EGR RALPH CHRISTENSEN

REGARDING:

TOTAL PAGES (INCLUDING THIS COVER PAGE): 2

COMMENTS:

IF YOU HAVE ANY PROBLEMS WITH THIS TRANSMISSION CALL (541) 688-8322 - FAX (541) 688-8087

SENT TO FAX NUMBER: (503) 378-8130

The information contained in this document is confidential and privileged, and is solely intended for the above named individual or entity. If you have received this document in error please send it immediately to its proper destination, or destroy it and contact us immediately at the number above. Any use or distribution of this document if you are not the intended receiver or recipient is prohibited.

#15

COOS 330

RECEIVED
JAN 14 1991
WATER RESOURCES DEPT.

T27S/R14W/29B

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

(START CARD) # 20179

(1) OWNER: Well Number 75 SALEM

Name DAVID SHUMAN
Address P.O. BOX 17641
City TAHOE CITY State CA. Zip 95730

(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 74'3½"
Explosives used Yes ☐ No ☒ Type — Amount —

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0	25	Bentonite	0	25	1100
6"	25	75				

How was seal placed: Method ☐A ☐B ☐C ☐D ☐E
☒ Other introduced from surface.
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	53¼	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method Telescope
☒ Screens Type Johnson Material Stainless steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
52'6	58'5"	.018	—	6"	Tele	☐	☐
58'5	63'8"	.020	—	6"	Tele	☐	☐
63'8"	68'11"	.035	—	6"	Tele	☐	☐
68'11	74'4	—	—	5"	Tail Pipe	☒	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
45	5'	70'	2hr

Temperature of water 52° 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 COOS Latitude — Longitude —
Township 27S N or S, Range 14W E or W, WM.
Section 29 NW¼ SE¼
Tax Lot 1300 Lot — Block — Subdivision
Street Address of Well (or nearest address) BROWN ROAD, BANDON, OR. 97411

(10) STATIC WATER LEVEL:
37 ft. below land surface. Date 12/15
Artesian pressure — lb. per square inch. Date —

(11) WATER BEARING ZONES:
Depth at which water was first found 37'

From	To	Estimated Flow Rate	SWL
37	67	100	37

(12) WELL LOG: Ground elevation +/- 200'

Material	From	To	SWL
Sandy Clay Brown	0	3	
Sand Brown Fine	3	32	
Sand Tan w/wood Fine	32	35	
Sand Orange Fine	35	38	37
Sand Orange Crse	38	42	
Sand Gray Med	42	43	
Sand Orange Med	43	50	
Sand gray brown Crs	50	60	
Gravel w/Sand Med gray	60	67	
Clay Gray	67	75	

Date started 12/14/90 Completed 12/18/90

(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.

WWC Number
Signed Date

(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.

WWC Number 1483
Signed Jim Mack Date 1/18/91

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C 2/83

PW-4

STATE OF OREGON WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

WELL I.D.# 40847 27-14-31 NE-SE

(START CARD) # 93052

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 498

Name E&R

Address 2445 N. Prairie Road

City Eugene State OR Zip 97402

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger ☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation ☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 128' ft.

Explosives used ☐ Yes ☒ No Type ____ Amount ____ TOC

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
12¼	0	127	Bentonite Cement	30	74	145 sx
6"	127	243	Cement	120	243	17 sx

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E

☒ Other Bentonite Poured from surface Cement

Backfill placed from ____ ft. to ____ ft. Material ____

Gravel placed from 74 ft. to 128 ft. Size of gravel 6/9

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8"	+1'6"	96'	.250	☒	☐	☒	☐
		116	126	.250	☒	☐	☒	☐
		(Tail	Pipe)		☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:

☐ Perforations Method Attached to Casing

☒ Screens Type Hoxton V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
96'	116'	.070		8"	Pipe	☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
100	11' 8½"	95'	1 hr.
100	13' 7½"	95'	2 hrs
100	15' 2½"	95'	3 hrs
100	16' 4½"	95'	4 hrs

Temperature of water 52° Depth Artesian Flow Found ____

Was a water analysis done? ☒ Yes By whom Burns

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 Coos Latitude ____ Longitude ____

Township 27 N or (S) Range 14 E or (W) WM.

Section 31 NE 1/4 SE 1/4

Tax Lot 400 Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) End of Randolph Road Loop Bandon

(10) STATIC WATER LEVEL:

67'3½" ft. below land surface. Date 7/15/97

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found 10'

From	To	Estimated Flow Rate	SWL
10	72'	+/- 100	10'
96'	133'	+/- 164 GPM	67'3½"
173	185'	+/- 50	—
Scific Capacity 5.47 Gal/FT of DD			

(12) WELL LOG:

Ground Elevation +/-300'

Material	From	To	SWL
Sand Fine Brown	0	2	
Sand Fine Brn w/ interbed Clay	2	13	10'
Sand Fine-med Brown	13	23	
Peat w/ Sand Fine-med Brn	23	30	
Sandy Clay Gray w/ Peat Lenses	30	34	
Sand Blue Gray Fine-med	34	40	
Gravel Fine-med w/ Sand	40	65	
Fine-med Blue Gray			
Sand CRS-Fine w/ Gravel	65	72	
w/ Gravel Fine-med Blue Gray			
Clay Gray w/ wood 30%	72	74	
Clay Gray w/ wood 10%	74	91	
Wood	91	92	
Wood w/ Peat	92	94	
Sandy Clay Gray	94	96	
Gravel CRS-Fine w/ Sand	96	116	67'5½"
Med-Fine Gray			
Sand Med-Fine Blue Gray	116	133	
Clay Gray w/ wood	133	142	
Continued on Pg 2			

Date started 5/29/97 Completed 7/17/97

(unreadable) 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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number ____

Signed Bandon Well + Septic Corp Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed Jon Mackey MGWC Date 7/21/97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

27-14-31

STATE OF OREGON WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

WELL I.D.# L10847 (START CARD) # 93052

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 498

Name EGR

Address 2445 K Prairie Road

City Eugene State OR Zip 97402

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:

[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger

[ ] Other

(4) PROPOSED USE:

[ ] Domestic [ ] Community [ ] Industrial [X] Irrigation

[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well ____ ft.

Explosives used [ ] Yes [ ] No Type ____ Amount ____

HOLE Diameter	From	To	SEAL 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	Steel	Plastic	Welded	Threaded
Casing:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:

[ ] Perforations Method ____

[ ] Screens Type ____ Material ____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

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

[ ] Pump [ ] Bailer [ ] 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 Coos Latitude ____ Longitude ____

Township 27 [X] N or [ ] S Range 14 [ ] E or [X] W WM.

Section 31 NE 1/4 SE 1/4

Tax Lot 400 Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) End of Randolph Rd in Bandon

(10) STATIC WATER LEVEL:

____ ft. below land surface. Date ____

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found ____

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:

Ground Elevation ____

Continued From Pg 1

Material	From	To	SWL
Clay Gray	142	149	
Sandy Clay Gray	149	173	
Gravel Med-Fine Green w/ Sand Med-Fine	173	185	?
Gravel Med-Fine w/ Sand Med-Fine Green + Mixed Clay Lenses	185	196	
Sandy Clay Gray	196	216	
Sandy Clay Gray Med hard	216	243	

Date started 5-29-97 Completed 7-17-97

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number ____

Signed Bandon Well & Septic Co. Inc Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed Jack W Mark Jr. MGWC Date 7-21-97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

Oregon

WATER
RESOURCES
DEPARTMENT

May 9, 1997

Ralph Christensen
EGR & Associates Inc.
2545 K Prairie Rd.
Eugene, Oregon 97402

RE: Application G-13577, Bandon Dunes Limited Partnership

Dear Mr. Christensen:

This is in response to your letter dated May 8, 1997, requesting a three month delay on further processing of the above identified application. The Department is granting your request.

The Department will not take any action on this application until after August 15, 1997. Please let us know if you are ready to proceed sooner.

If you have any questions, please feel free to give me a call. I can be reached at (503) 378-8455, extension 331, or toll free from within Oregon at 1 (800) 624-3199, extension 331.

Sincerely,

Laura Snedaker
Senior Water Rights Examiner

cc: File G-13577
John Drolet, Watermaster District 19
Bandon Dunes Limited Partnership, applicant

Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2545 K Prairie Road,
Eugene, Oregon 97402
(503) 688-8322

To: Jake Szramck

From: Ralph Christensen

CC: John Drolet

Date: May 8, 1997

Re: G-13577

Post-it® Fax Note 7671	Date	# of pages ▶ 1
To Jake Szramck	From Ralph Christensen	
Co./Dept. WRD	Co. EGR	
Phone # 6203	Phone # 688-8322	
Fax # 378-~~8130~~	Fax # 688-8087	

Request for Delay

As you requested by telephone today, we request that you continue the delay on processing the Ground Water Application G-13577 for Bandon Coastal Dunes, Limited Partnership. We have been completing some additional ground water exploration, some additional property has been purchased, and we are preparing a request letter to reduce the requested flow, change the number and distribution of points of diversion, and modify the points of use. We believe a 3 month delay until August 15, 1997, would be appropriate, though we believe that all of the materials will be ready for processing well before that time.

Draft

May 7, 1997

Jake Szramck,
Water Rights Specialist
Oregon Water Resources Department
158 12th Street NE
Salem, Oregon 97310-0210

RE: G-13577, Bandon Coastal Dunes, Limited Partnership

Dear Mr. Szramck:

This letter is in response to our conversation of May 1, 1997, and a conversation with Mr. Woodcock on that same date. We are requesting a modification of Water Right Application G-13577 to reflect a lower total requested pumping rate; a further refinement and clarification of the points of diversion as outlined in the March 25, 1997, letter; and a modification to the location of the requested irrigated lands.

We have prepared a new area map which identifies potential well sites (both sump and conventional wells), potential excavated reservoir sites, and the existing wells which might be used on the properties. The property lines, as outlined on the map, are contiguous and under the control of the same owner. The location of the "¼ mile" line from fresh surface water sources is also identified on the maps for reference. We have also identified the areas within which we propose that individual sump wells or conventional wells, as previously identified, may be moved or placed to avoid wetlands, cultural features, poor production areas, access problems, and other technical considerations.

We expect that each conventional and sump will produce between 60 and 80 gpm. We have also been told by Jim Mack, of Bandon Well and Pump, that a properly screened conventional well that fully penetrates the available sand aquifer might produce as much as 100 to 200 gpm. A test well on the terrace in the area of the first golf course is currently planned.

The existing well identified to toward the north end of the property (labeled "A" on the area map) is the David Shuman well. This well produces about 50 gpm according to a recent pumping test (test results attached). No water right associated with this property has been identified to date. The existing

well labeled "B" in the center of the property is the exploration well drilled for this project. The most recent long term pumping test on this well (5 days long) indicated a continuous production of 80 gpm was possible (test results attached). These wells will be preferentially used for domestic/commercial uses. If necessary water from sump wells will be treated as surface water for domestic use should the drilled wells fail to sustain adequate flows.

A separate map is also attached which indicates the additional areas of irrigation use. The new points of use are on lands to the north of the previously requested points of use, and are to be used for irrigation of pasture grasses (which will help control gorse). These additional lands are under the same ownership. The total acres of irrigation is now ___ acres. The original application requested ____ acres of irrigation.

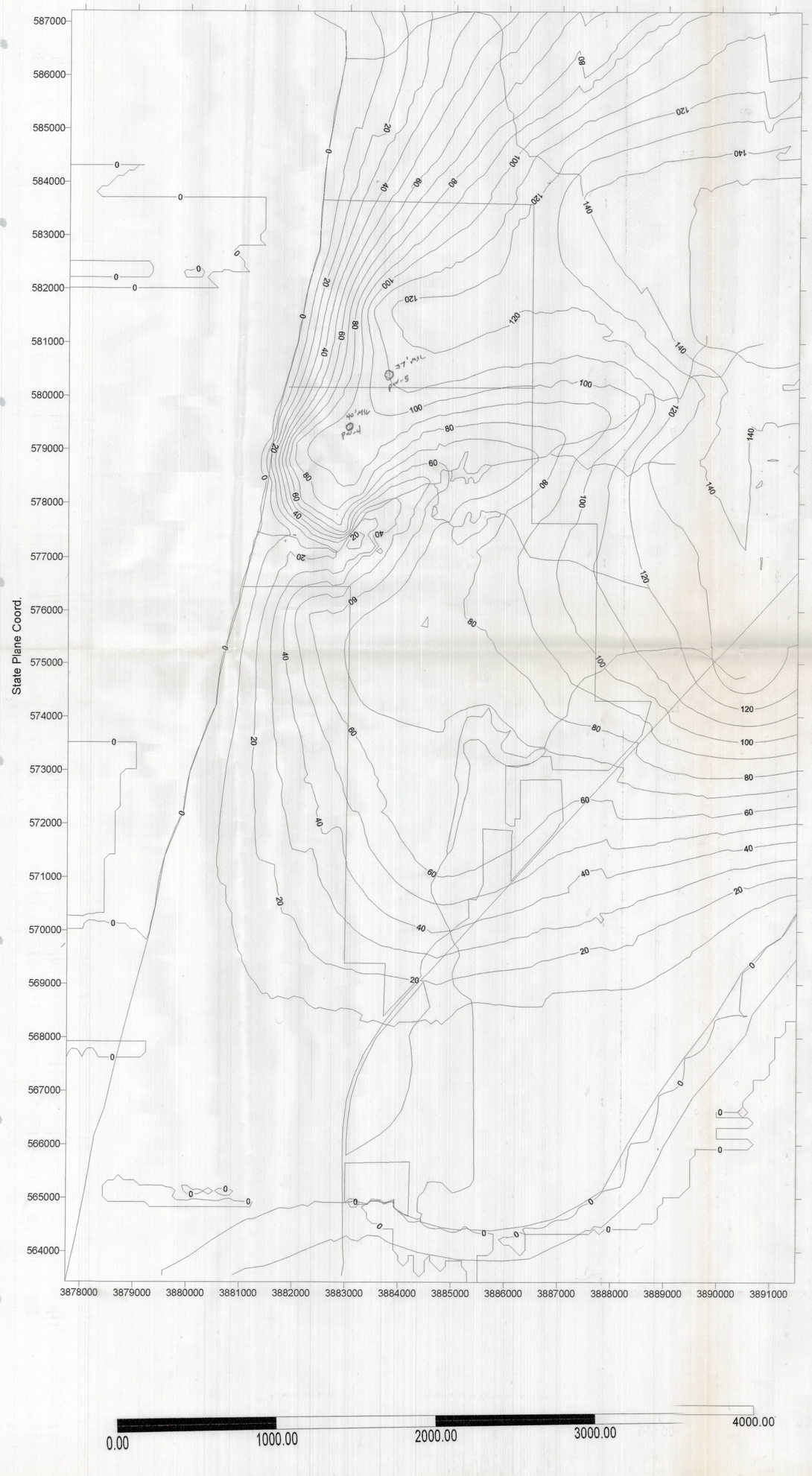
The total quantity of water now requested is hereby reduced to 3.55 cfs from the originally requested 5.83 cfs, allocated as follows:

- 0.46 cfs for domestic and commercial uses associated with the Destination Resort as prescribed under Oregon Law and Coos County Ordinance.

- 2.32 cfs for irrigation on ____ acres of golf courses and landscaping (as previously requested) associated with the Destination Resort. The water will pumped from several drilled and sump wells to one or more excavated reservoirs (located on the terrace near the first golf course) where it will be distributed to the golf courses . Additional excavated reservoirs will be constructed as necessary near the points of use.

- 0.77 cfs for irrigation on ____ acres of pasture, grass lands, and nursery areas for control of gorse, grazing, and plant propagation. These areas are north of the Destination Resort area. Water will be delivered through the same water collection, storage, and distribution system as listed above.

Thus a total of 3.55 cfs (1595 gpm) is requested for ____ acres or __/___ of a cfs per acre.


State Plane Coord.
587000
586000
585000
584000
583000
582000
581000
580000
579000
578000
577000
576000
575000
574000
573000
572000
571000
570000
569000
568000
567000
566000
565000
564000
3878000
3879000
3880000
3881000
3882000
3883000
3884000
3885000
3886000
3887000
3888000
3889000
3890000
3891000
0.00
1000.00
2000.00
3000.00
4000.00

EC

The pump test results were not completed by this morning, but I should be able to FAX them later w/ hard copy to follow.

Ralph Christensen
5/22/97

Doug:
Here is a later draft of the letter, it appears we will ask for about 500 acres of irrigation up from 300. Flow will reduce from 5.88 cfs to 3.55 cfs.

May 21, 1997

Jake Szramck,
Water Rights S
Oregon Water F
158 12th Street
Salem, Oregon 97310-0210

RE: G-13577, Bandon Coastal Dunes, Limited Partnership

Dear Mr. Szramck:

This letter is in response to our conversation of May 1, 1997, and a conversation with Mr. Woodcock on that same date. We are requesting a modification of Water Right Application G-13577 to reflect a lower total requested pumping rate; a further refinement and clarification of the points of diversion as outlined in the March 25, 1997, letter; and a modification to the location of the requested irrigated lands.

We have prepared a new area map which identifies potential well sites (both sump and conventional wells), potential excavated reservoir sites, and the existing wells which might be used on the properties. The property lines, as outlined on the map, are contiguous and under the control of the same owner. The location of the "¼ mile" line from fresh surface water sources is also identified on the maps for reference. We have also identified the areas within which we propose that individual sump wells or conventional wells, as previously identified, may be moved or placed to avoid wetlands, cultural features, poor production areas, access problems, and other technical considerations.

We expect that each conventional and sump will produce between 60 and 80 gpm. We have also been told by Jim Mack, of Bandon Well and Pump, that a properly screened conventional well that fully penetrates the available sand aquifer might produce as much as 100 to 200 gpm. A test well on the terrace in the area of the first golf course is currently planned.

The existing well identified to toward the north end of the property (labeled "A" on the area map) is the David Shuman well. This well produces about 50 gpm according to a recent pumping test (test results attached). No water right associated with this property has been identified to date. The existing well labeled "B" in the center of the property is the 120 foot deep exploration well

The pump test results were not completed by this morning, but I should be able to FAX them later w/ hard copy to follow.

Ralph Christensen

5/22/97

Doug:

Here is a later draft of the letter, it appears we will ask for about 500 acres of irrigation up from 300. flow will reduce from 5.88 cfs to 3.55 cfs.

EGR & Associates, Inc.
Engineers, Geologists and Surveyors

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

May 21, 1997

DRAFT

Jake Szramck,
Water Rights Specialist
Oregon Water Resources Department
158 12th Street NE
Salem, Oregon 97310-0210

RE: G-13577, Bandon Coastal Dunes, Limited Partnership

Dear Mr. Szramck:

This letter is in response to our conversation of May 1, 1997, and a conversation with Mr. Woodcock on that same date. We are requesting a modification of Water Right Application G-13577 to reflect a lower total requested pumping rate; a further refinement and clarification of the points of diversion as outlined in the March 25, 1997, letter; and a modification to the location of the requested irrigated lands.

We have prepared a new area map which identifies potential well sites (both sump and conventional wells), potential excavated reservoir sites, and the existing wells which might be used on the properties. The property lines, as outlined on the map, are contiguous and under the control of the same owner. The location of the "¼ mile" line from fresh surface water sources is also identified on the maps for reference. We have also identified the areas within which we propose that individual sump wells or conventional wells, as previously identified, may be moved or placed to avoid wetlands, cultural features, poor production areas, access problems, and other technical considerations.

We expect that each conventional and sump will produce between 60 and 80 gpm. We have also been told by Jim Mack, of Bandon Well and Pump, that a properly screened conventional well that fully penetrates the available sand aquifer might produce as much as 100 to 200 gpm. A test well on the terrace in the area of the first golf course is currently planned.

The existing well identified to toward the north end of the property (labeled "A" on the area map) is the David Shuman well. This well produces about 50 gpm according to a recent pumping test (test results attached). No water right associated with this property has been identified to date. The existing well labeled "B" in the center of the property is the 120 foot deep exploration well

drilled for this project. The most recent long term pumping test on this well (5 days long) indicated a continuous production of 80 gpm was possible (test results attached). These wells will be preferentially used for domestic/commercial uses. If necessary water from sump wells will be treated as surface water for domestic use should the drilled wells fail to sustain adequate flows.

DRAFT

A separate map is also attached which indicates the additional areas of irrigation use. The new points of use are on lands to the north and east of the previously requested points of use, and are to be used for irrigation of pasture grasses (which will help control gorse). These additional lands are under the same ownership. The actual ground to be irrigated will be determine in the proof survey since the layout of the irrigation system is still changing. The total acres of irrigation now outlined is 500 acres. The original application requested 300 acres of irrigation.

The total quantity of water now requested is hereby reduced to 3.55 cfs from the originally requested 5.88 cfs, allocated as follows:

- 0.46 cfs for domestic and commercial uses associated with the Destination Resort as prescribed under Oregon Law and Coos County Ordinance.

- 2.32 cfs for irrigation on 300 acres of golf courses and landscaping (as previously requested) associated with the Destination Resort. The water will be pumped from several drilled and sump wells to one or more excavated reservoirs (located on the terrace near the first golf course) where it will be distributed to the golf courses. Additional excavated reservoirs will be constructed as necessary near the points of use.

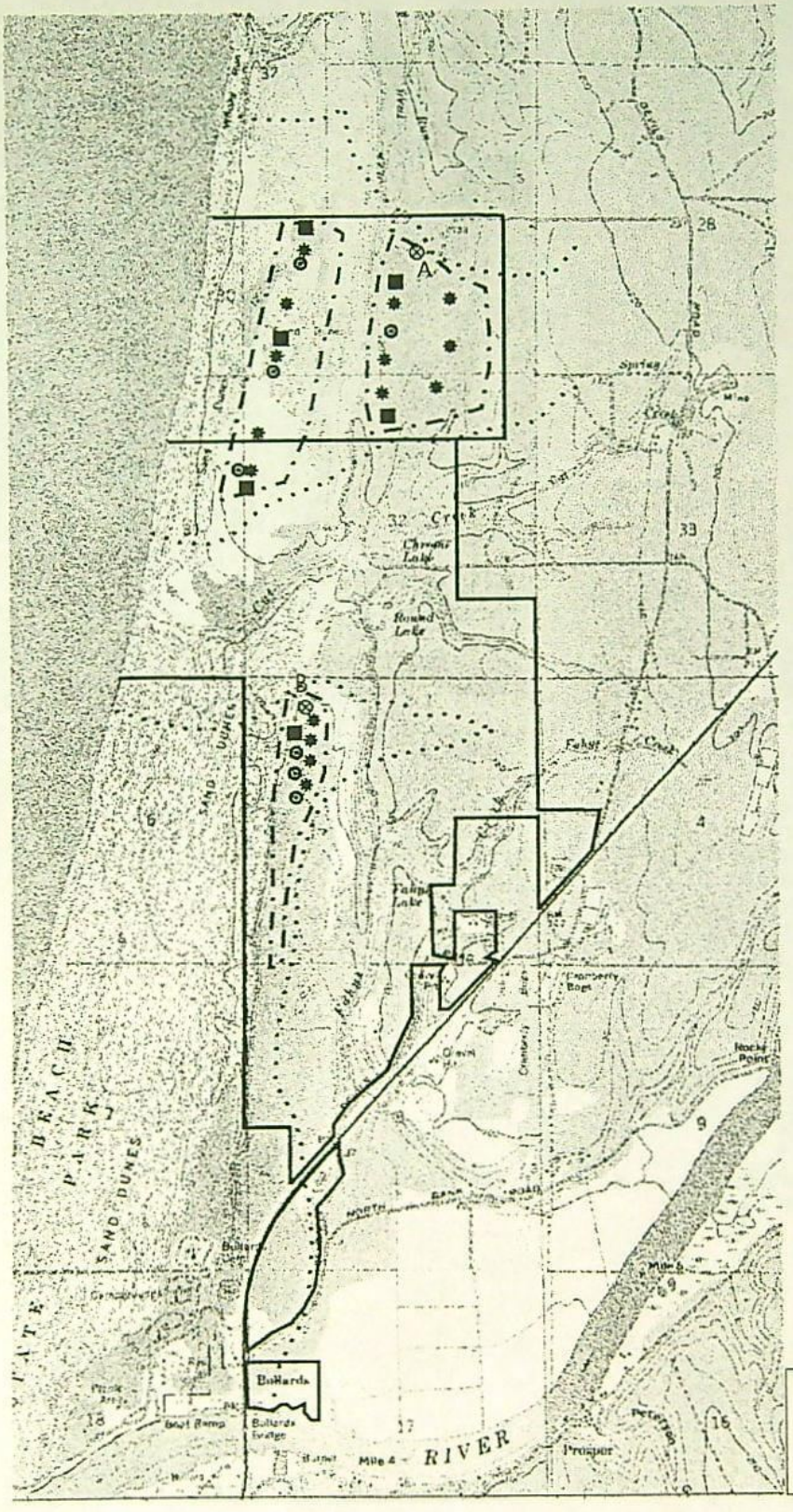
- 0.77 cfs for irrigation on 200 acres of pasture, grass lands, and nursery areas for control of gorse, grazing, and plant propagation. These areas are north of the Destination Resort area. Water will be delivered through the same water collection, storage, and distribution system as listed above.

Thus a total of 3.55 cfs (1595 gpm) is requested for 500 acres or 1/140 of a cfs per acre. Actual irrigation application rates will approach 1/80th of a CFS per acre but will come from the storage reservoirs. Ground water pumping will be within the parameters of the permit but will be on a more continuous basis.

If I can provide any further clarification please let me know.

Sincerely,

Ralph Christensen



N

1 inch = 3,000 feet

⊗ Existing Well

⊙ Potential Location of Drilled Well

✱ Potential Location of Sump Well

■ Potential Location of Excavated Reservior

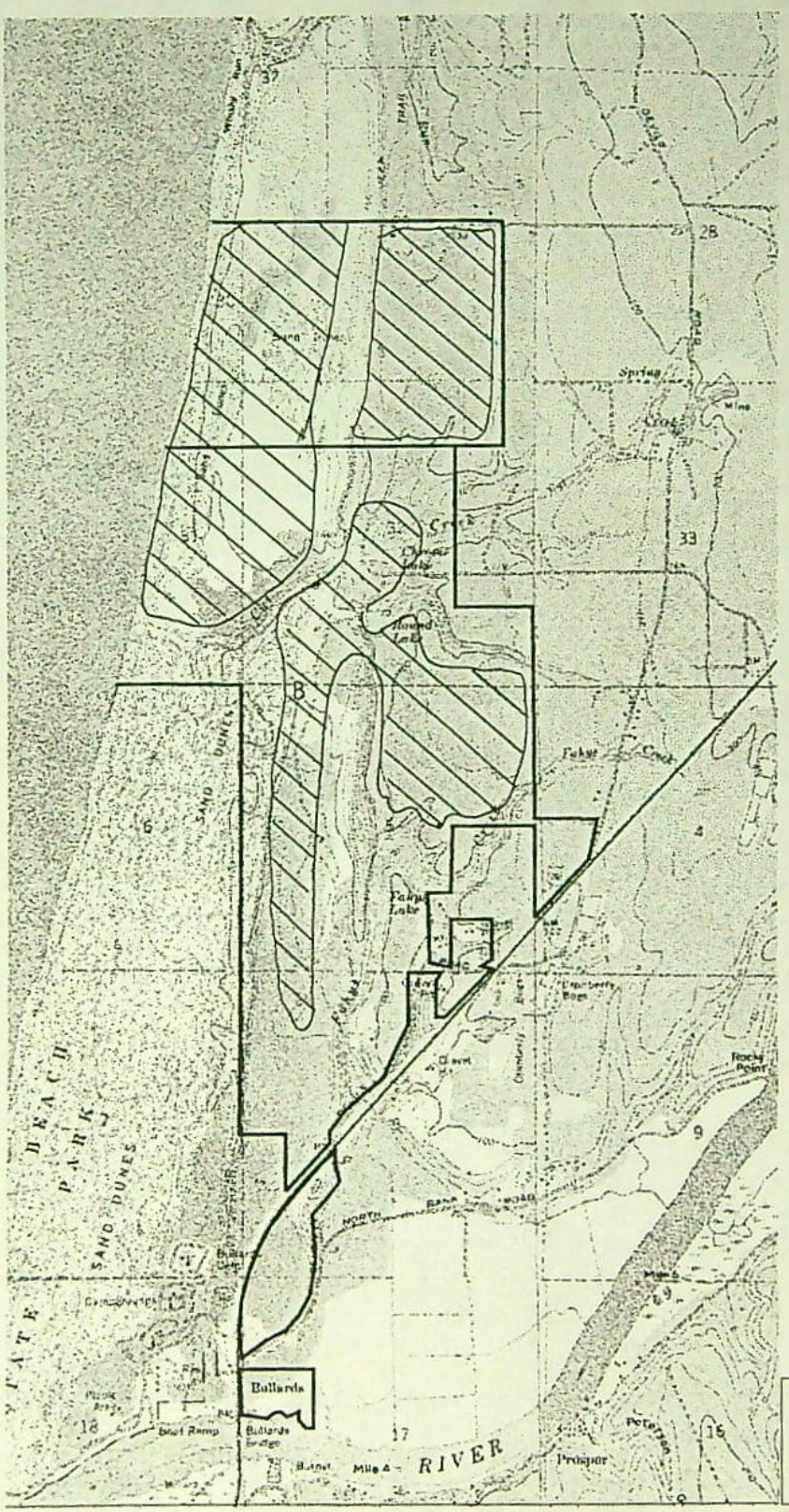
Approximate Property Lines

1/4 Mile Line from Surface Water

Alternative Well Placement Area

EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Eugene, Oregon 97402
(503) 688-8322

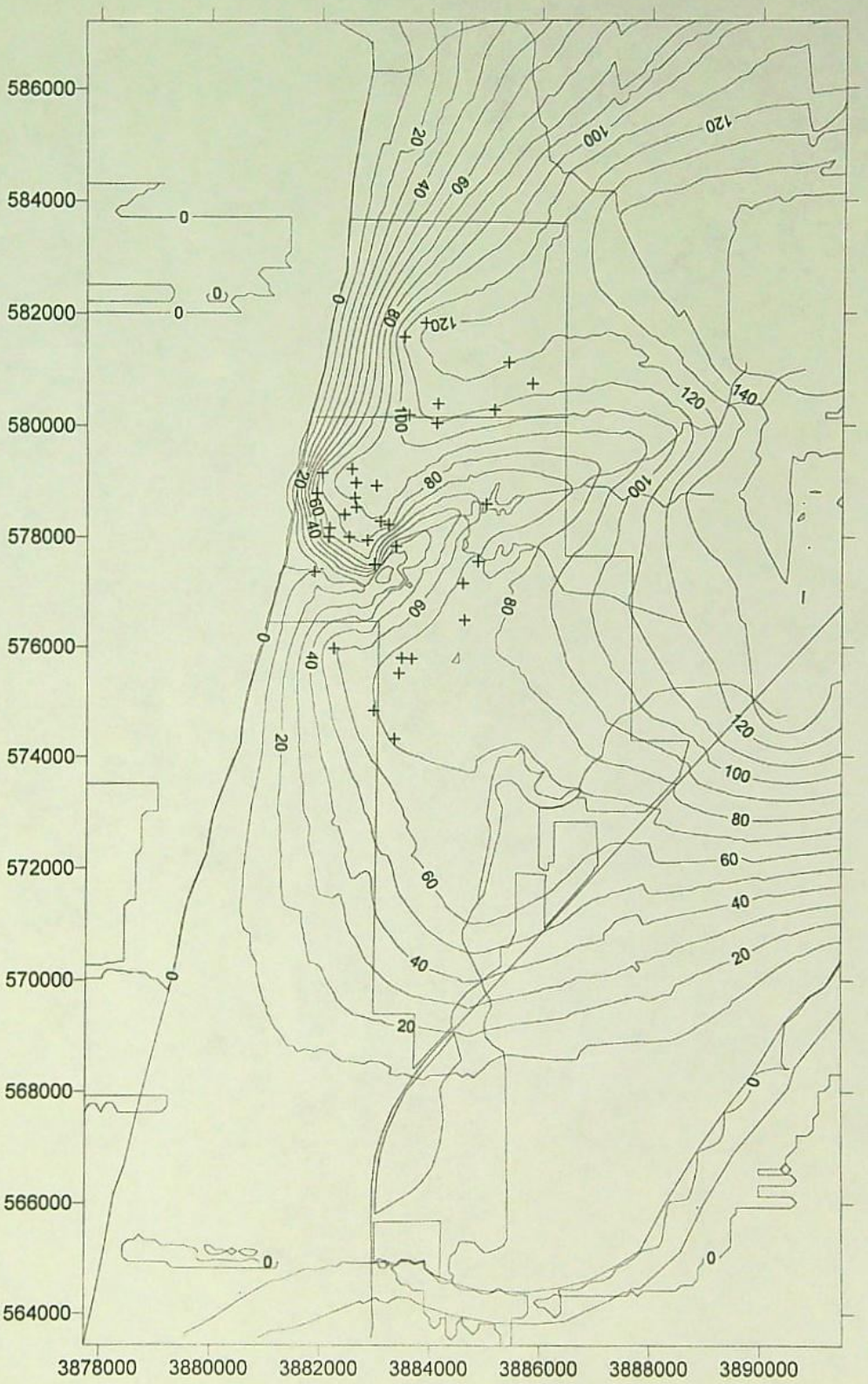
DRAFT

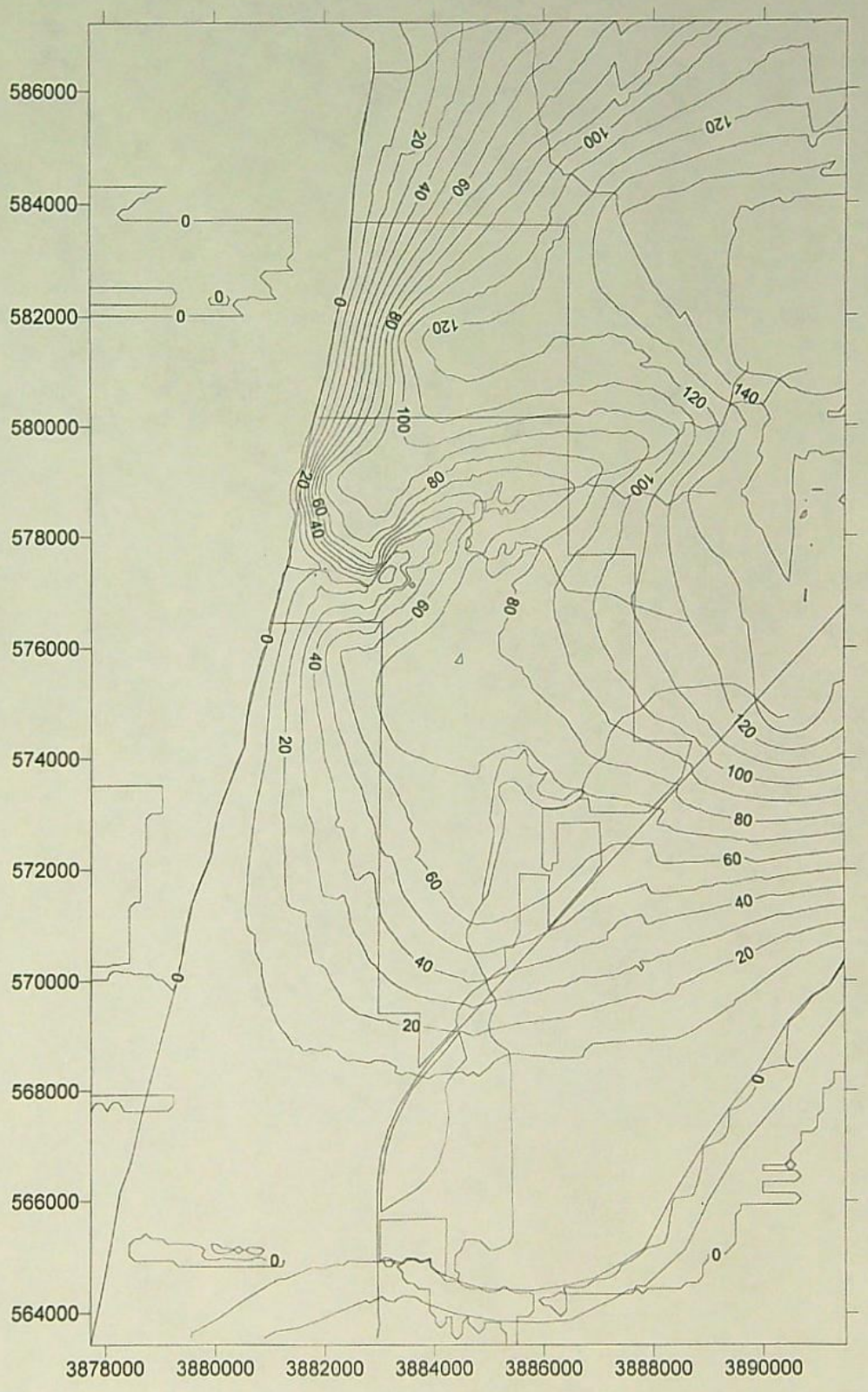


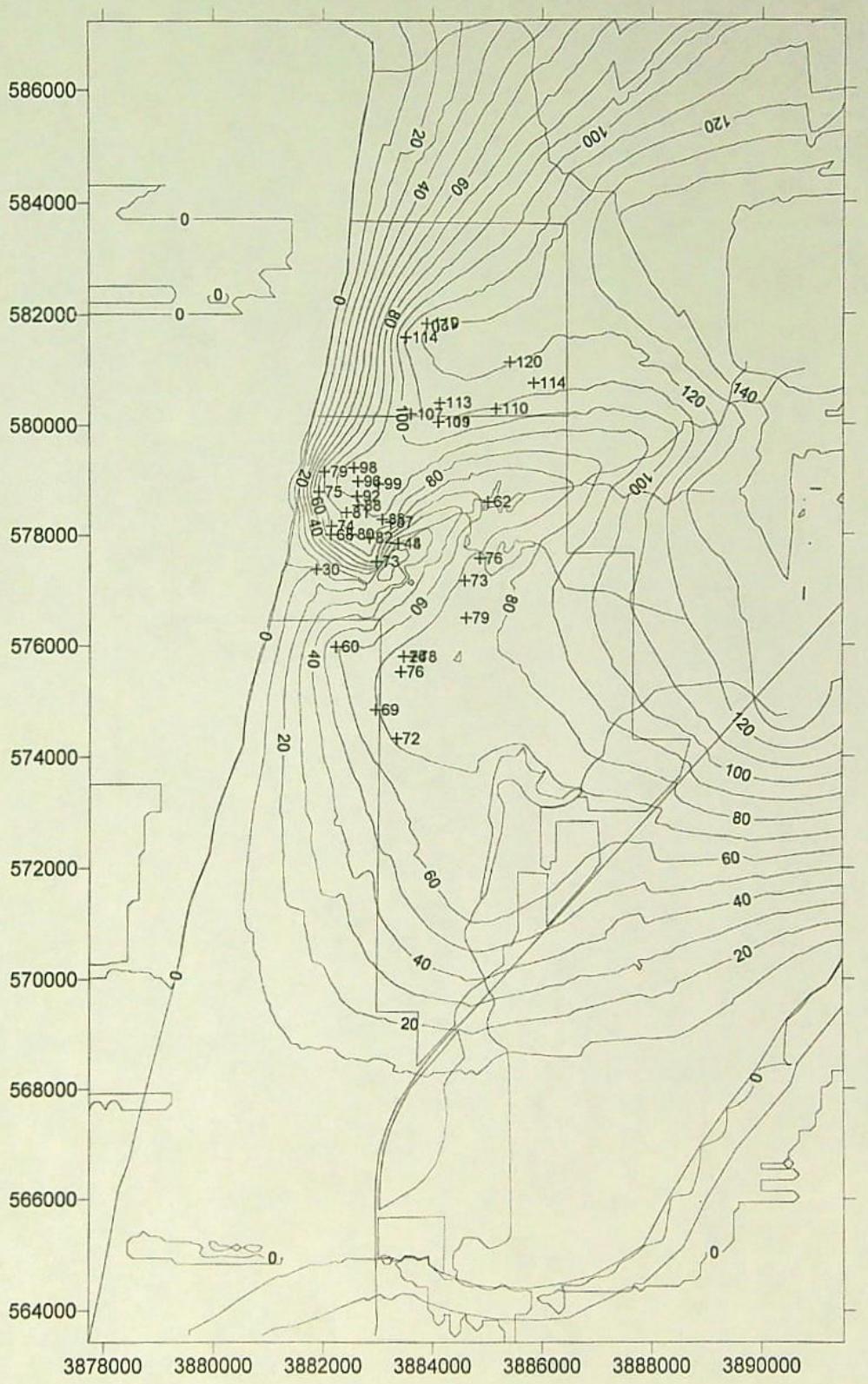
EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road,
Eugene, Oregon 97402
(503) 688-8322

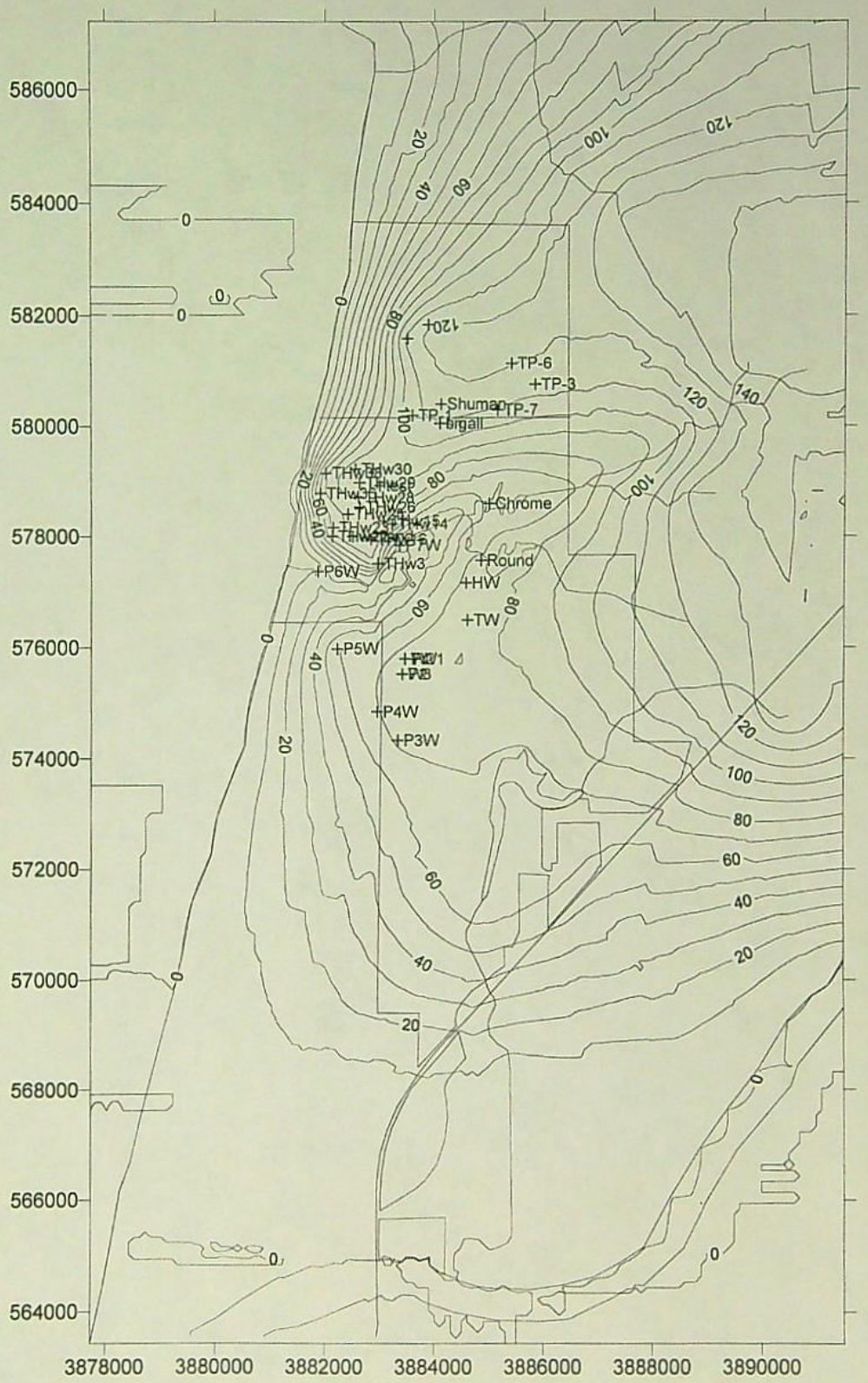
realX	realY	elev	Site	
3883651	575784.1	77.91	W1	86.21
3883416	575515.2	76.4	W3	79.8
3883471	575788.7	74.37	P1	81.62
3883418	575513.7	76.16	P2	79.86
3883338	574316.3	71.87	P3	73.52
3882956	574832.4	69.37	P4	71.97
3882223	575969.9	59.66	P5	60.66
3881865	577360.4	30.37	P6	31.87
3883364	577830.9	48.09	P7	49.39
3884586	577151.1	72.76	HW	96.16
3884613	576481.5	79.26	TW	159.86
3884861	577555.4	76.15	Round	76.15
3885008	578595	61.7	Chrome	61.7
3883335	574318.4	71.62	P3W	71.62
3882956	574832.2	69.31	P4W	69.31
3882224	575969.2	59.78	P5W	59.78
3881863	577361	30.42	P6W	30.42
3883363	577829.1	44.11	P7W	44.11
3882966	577500.8	73.36	THw3	
3882838	577940.7	81.54	THw16	
3883077	578278.7	88.47	THw15	
3883225	578223.2	86.95	THw14	
3882123	577998.3	67.57	THw22	
3882140	578158.6	73.7	THw23	
3882415	578404.8	80.72	THw25	
3881909	578782.8	74.69	THw36	
3882550	579219.5	97.5	THw30	
3882627	578973.1	95.56	THw29	
3882602	578704.5	91.53	THw28	
3882629	578533.4	87.51	THw26	
3882009	579149.9	78.91	THw38	
3883598	580192.7	107.48	TP-1	
3883000	578925	98.7	test storage pond	
3882500	578000	80.2	wetland	
3884100	580050	109.2	big dune pond	
3884110	580050	110.7	small dune pond	
3885160	580290	109.58	TP-7	
3885417	581135	120.29	TP-6	
3885850	580750	113.88	TP-3	
3884125	580400	113.24	Shuman terrace pond south	
3883510	581585	114.21		
3883895	581835	118.8		

3883651	575784.1	77.91	W1				
3883416	575515.2	76.4	W3	3883467	575790.8	25.09	W2	81.99
3883471	575788.7	74.37	P1				
3883418	575513.7	76.16	P2				
3883338	574316.3	71.87	P3				
3882956	574832.4	69.37	P4				
3882223	575969.9	59.66	P5				
3881865	577360.4	30.37	P6				
3883364	577830.9	48.09	P7				
3884586	577151.1	72.76	HW				
3884613	576481.5	79.26	TW				
3883335	574318.4	71.62	P3W				
3882956	574832.2	69.31	P4W				
3882224	575969.2	59.78	P5W				
3881863	577361	30.42	P6W				
3883363	577829.1	44.11	P7W				


586000
584000
582000
580000
578000
576000
574000
572000
570000
568000
566000
564000
3878000
3880000
3882000
3884000
3886000
3888000
3890000


586000
584000
582000
580000
578000
576000
574000
572000
570000
568000
566000
564000
3878000
3880000
3882000
3884000
3886000
3888000
3890000


586000
584000
582000
580000
578000
576000
574000
572000
570000
568000
566000
564000
3878000
3880000
3882000
3884000
3886000
3888000
3890000


586000
584000
582000
580000
578000
576000
574000
572000
570000
568000
566000
564000
3878000
3880000
3882000
3884000
3886000
3888000
3890000
+TP-6
+TP-3
+Shuma
+TP-7
+Brgall
+Chrome
+Round
+HW
+TW
+P6W
+P5W
+P4W
+P3W
+THw3
0
20
40
60
80
100
120
140

Bandon Dunes Well #2 Deep
T28S/R14W/S5 NW¼NW¼

19

COOS 12.53

RECEIVED
NOV 1 4 1994
WATER RESOURCES DEPT.
SALEM, OREGON

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

(START CARD) # 71679 66

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 323
Name Michael Kiesel
Address 2450 N Lakeview
City Chicago State IL Zip 60614

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:
☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☒ Other Test well

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 125'4" ft.
Explosives used ☐ Yes ☒ No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	29	Bentonite	0	40	36 SX
9"	29	125	Cement	65	85	4 SX

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☒ Other Bentonite Poured from Surface
Backfill placed from ____ ft. to ____ ft. Material ____
Gravel placed from 85 ft. to 125 ft. Size of gravel 8/12

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	5"	+1	110'8"	190#	☐	☒	☒	☐
		116'1"	125'4"	190#	☐	☒	☒	☐
					☐	☐	☐	☐
	8"	+1'6"	9'	.250	☒	☐	☐	☐
Liner:	(Protective Casing)				☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:
☐ Perforations Method Attached to Casing
☒ Screens Type Houston V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
110'8"	116'1"	.016		5"	Pipe	☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
+/- 50	—	125'	1 hr.

Temperature of water 52° 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 Coos Latitude ____ Longitude ____
Township 28 N or ☒ S Range 14 E or ☒ W WM.
Section 5 NW 1/4 NW 1/4
Tax Lot 100/300 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) Randolph Rd
West well Bandon

(10) STATIC WATER LEVEL:
57' ft. below land surface. Date 11/7/94
Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 16'9"

From	To	Estimated Flow Rate	SWL
16'9	60'	20	16'9"
107	125	50	57

(12) WELL LOG:
Ground Elevation +/-200' (~105) DEM

Material	From	To	SWL
Sand w/Peat Fine Brown	0	2	
Sand Fine Brown	2	8	
Sand Fine Dark Brown	8	22	16'9"
Wood w/Peat and Fine	22	24	
Sand Dark Brown			
Sand Fine Dark Brown	24	36	
Gravel/Fine w/Fine Sand	36	37	
Grey			
Sand Fine Gray	37	56	
Sandy Peat Dark Brown	56	60	
w/Fine Gravel			
Blue Clay	60	79	
Sand Coarse Brown	79	91	
Sandy Clay Brown	91	94	
Sandy Clay Tan	94	107	
Gravel Medium - Fine	107	117	57'
w/Sand medium Grey to orange			
Sand w/Sandy Clay	117	125	
medium Grey			

Date started 11/3/94 Completed 11/7/94

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed ____ Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1499
Signed John McKenzie, MGWC Date 11/10/94

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

BANDON DUNES

19

COOS 1254

NOV 1 4 1994

WATER RESOURCES DEP (START CARD) # 71680

T28S/R14W/S5 NW&NW

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

Instructions for completing this report are on the last page of this form.

SALEM, OREGON

(1) OWNER: Well Number 324

Name Michael Kiesser

Address 2450 N LAKEVIEW

City Chicago State IL Zip 60614

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Livestock ☒ Other Test well

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 40'-8" ft.

Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	41	Bentonite	0	29	285X

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

☒ Other Poured from Surface

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

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	5"	+1	353'	160	☐	☒	☒	☐
					☐	☐	☐	☐
	8"	+1'6"	4"	.250	☒	☐	☐	☐
	(Protective Casing)				☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

☐ Perforations Method Attached to Casing

☒ Screens Type Houston V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
353'	40'-8"	.016		5"	Pipe	☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☒ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
20	—	40'	1 hr.

Temperature of water 52° 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 Coos Latitude _____ Longitude _____

Township 28 N or (S) Range 14 E or (W) WM.

Section 5 NW 1/4 NW 1/4

Tax Lot 100/200 Lot _____ Block _____ Subdivision _____

Street Address of Well (or nearest address) Randolph Rd. South Well Bandon

(10) STATIC WATER LEVEL:

14' ft. below land surface. Date 11/8/94

Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 14'

From	To	Estimated Flow Rate	SWL
14	40	20+	14'

(12) WELL LOG:

Ground Elevation +/-200'

Material	From	To	SWL
Sandy Peat	0	2	
Sandy Clay orange	2	5	
Sand Brown Fine	5	18	14'
Peat w/ wood DK Brown	18	22	
Gravel medium-Fine w/ Course-Fine Sand Gray	22	40	
Clay Sandy Brown	40	41	

Date started 11/7/94 Completed 11/8/94

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number _____

Signed _____ Date _____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed Jim Mackey MGWC Date 11/10/94

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

BANDON DUNES

19

COOS 1255

RECEIVED

NOV 14 1994

T28S/R14W/S5 NWNW

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

(START CARD) # —

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 32 & 34

Name Michael Kreser

Address 2450 N Lakeview

City Chicago State IL Zip 60614

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Livestock ☒ Other Piezometer

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 32'4" ft.

Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
6"	0	33	Bentonite	0	15	8 SK

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

☒ Other Poured from Surface

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

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	1/2"	+1'6"	32'4"	200	☐	☒	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

☒ Perforations Method Hacksaw

☐ Screens Type _____ Material PVC

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
30	32'4"	1/16x1"	4	1/2"	Pipe	☒	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
N/A			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 Coos Latitude _____ Longitude _____

Township 28 N or (S) Range 14 E or (W) WM.

Section 5 NW 1/4 NW 1/4

Tax Lot 100/200 Lot _____ Block _____ Subdivision _____

Street Address of Well (or nearest address) Randolph Rd. Bandon

(10) STATIC WATER LEVEL:

16'9" ft. below land surface. Date 11/7/94

Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 16'9"

From	To	Estimated Flow Rate	SWL
16'9"	33'	—	16'9"

(12) WELL LOG:

Ground Elevation +/- 200

Material	From	To	SWL
0-2 Sandy Peat	0	2	
Sand Fine Brown	2	8	16'9"
Sand Fine Dark Brown	8	33	

Date started 11/7/94 Completed 11/7/94

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number _____

Signed _____ Date _____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed Jim Mack Jr. MGWC Date 11/10/94

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

RECEIVED
FEB 21 1996
WATER RESOURCES DEPT.
SALEM, OREGON

Memorandum

To: Doug Woodcock

From: Ralph Christensen

Date: February 14, 1996

Re: Bandon Dunes Resort - Water Right Application G-13577

Included in this package are the office copy of our "protest" letter to Dick Szramek regarding our original Unsatisfactory Report of Technical Review, and your requested map of where we propose to put our deep drinking water wells and the sump well. If the deep aquifer ends up being inadequate to supply all of our drinking water needs we will use the shallow aquifer (from the sump well area) and treat the water appropriately.

The deep well field area, shown in red, is in the area where we completed the well testing and first discovered the deeper aquifer. Since this aquifer is clearly separated from the shallow aquifer (based upon differing chemistry and head) it potentially could be located within ¼ mile of a surface water body. However we intentionally drilled these wells outside the ¼ mile zone (as marked on the map), and we propose to keep all production wells outside the ¼ mile zone, even the deep ones.

The shallow aquifer sump wells, marked in green, are proposed to be placed south of the test well field location. The sump well shape will be in general conformance with topography and the setting so that these sumps wells will look as much like a natural water body as possible. I have shown an example sump location and configuration. Details of the number, location and shape of the sump wells necessary to recover the required pumping capacity may change, but the general location will not. All the sump wells will be more than ¼ mile from any surface water body and south of the well field area. Size of the sump wells will depend upon actual aquifer characteristics at the locations selected for the sumps.

September 9, 1994

Mr. Dave Szramek
Water Rights Specialist
Water Resources Department
Commerce Building
158 12th Street NE
Salem, Oregon 97310-0210

Dear Mr. Szramek:

We are in receipt of your August 17, 1994, letter and the attached Unsatisfactory Report of Technical Review for Water Use Permit(s). It is our understanding this Unsatisfactory Report of Technical Review was based upon the proposed groundwater extraction wells being within 1/4 mile of a surface stream(s) and therefor by definition having the potential to cause substantial interference with surface water.

This letter is a formal objection to this determination based upon several grounds as follows:

1. By selecting alternative locations for the proposed wells to serve this development the required 1/4 mile setback from the surface water streams and lakes can be maintained and thus no potential substantial interference will be presumed and the permit could go forward.

2. By the use of storage of winter time runoff in either a surface or subsurface reservoir the impact to the surface stream can be fully mitigated. All water use could potentially be served from such storage whether by surface or groundwater extraction. We understand that such storage could entail the application for reservoir permits and potentially recharge permits, as well as the present extraction and use permit.

3. An aquifer test to determine both horizontal and vertical permeability is currently scheduled which should definitively determine the potential for groundwater/surface water interference. This could potentially refute the presumption of interference if it is found that the cone of depression is limited.

4. The proposed use occurs downstream from all prior rights, and it is our understanding that no instream rights exist on these stream, nor are they contemplated. The Fahys Creek connection to the Coquille River (and the instream flow rights of the Coquille River) is a mute point since Fahys Creek enters the Coquille in the brackish to saltwater portion of the Coquille River and therefor any water use will have no net impact to fresh water users or too aquatic species which use fresh water or salt water.

We request this application be held, with the existing priority date, until such time as the scheduled studies can be completed and modifications to the permit accomplished to bring this permit fully into compliance with Water Resources Department criteria. A minimum of 3 months may be required to complete the work and prepare alternatives. We would expect that Water Resources Department staff, the Coos County Watermaster and Coos County Planning would be meeting with us regularly to resolve all possible conflicts. We will be contacting the local cranberry growers to keep them informed of our progress and also solicit their input.

Enclosed is a map of the project with our proposed test well locations. The map also shows the location of the surface streams and the 1/4 mile distance from the surface water bodies.

Sincerely,

Ralph Christensen RPG
Principal Geologist

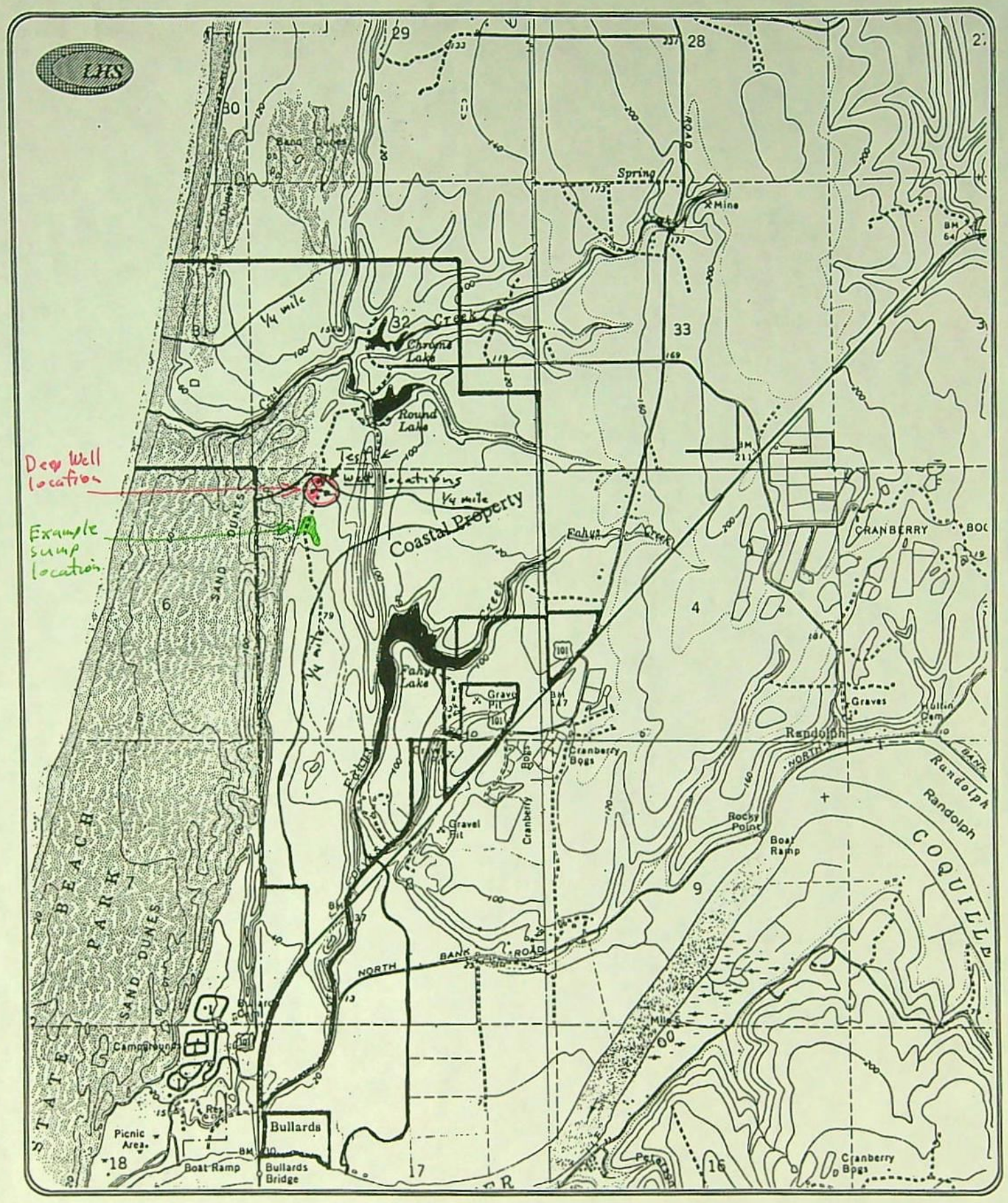


FIGURE A. -- Regional area topography map showing Coastal Dunes Property and dune blocked lakes within marine terraces, north of Bandon. ***(USGS map scale 1" = 2,296 ft).***

COOS COUNTY PLANNING DEPARTMENT
COOS COUNTY COURTHOUSE ANNEX, 290 N. CENTRAL, COQUILLE, OREGON 97423
(541) 396-3121 EXT. 210 FAX (541) 396-2690 TDD 1-800-735-2900
Patty Evernden Planning Director

RECEIVED
SEP 20 1996
WATER RESOURCES DEPT.
SALEM, OREGON

TO: Doug Woodcock 09-18-96
FM: John Drolet

Doug, the zoning component of this plan appears to be proceeding. Has the applicant continued to work w/you in meeting the Dept's concerns re: their G.W. AP? Keep me plugged in if you can.

September 16, 1996

Allen L. Johnson
Johnson, Kloos & Sherton, P.C.
767 Willamette, Suite 203
Eugene, Oregon 97401

RE: ADOPTION OF PLAN AMENDMENTS / REZONE
ORDINANCE 96-03-003PL
ORDINANCE 96-04-006PL

Dear Mr. Allen:

This letter is to inform you that on September 11, 1996, the Board of Commissioners adopted Ordinance 96-03-003PL to amend the Coos County Comprehensive Plan. The amendment allows development of a destination resort substantially consistent with the statutory definition of an ORS Chapter 197 full-scale destination resort. Ordinance 96-03-003PL approves a goal exception, Master Plan, comprehensive plan map amendment and related comprehensive plan text amendments for the Bandon Coastal Dunelands Exception Area. The description of the Bandon Coastal Dunelands Exception Area is attached at Attachment A.

Concurrently, the Board of Commissioners adopted Ordinance 96-04-006PL to amend the Coos County Zoning & Land Development Ordinance to implement Ordinance 96-03-003PL.

Following are two conditions which were placed on each adopted Ordinance:

"1. Within 60 days after this Ordinance is finally adopted and all appeals therefrom are concluded, the applicant shall execute a Waiver of Right to Object the Forest and Farm Practices Management Easement with respect to the area described in Section 5 of this Ordinance, and shall deliver a copy of the executed and recorded easement to the Coos County Planning Director for acceptance.

2. Within 60 days after this Ordinance is finally adopted and all appeals therefrom are concluded, the applicant shall sign the

DRAFT
4-10-96

Scope of Work

Bandon Coastal Dunes

G-13577 Supplemental Data Collection

The following work tasks and schedule is to provide data, information, and analysis necessary to prepare a draft ground water right permit:

1. Perform additional pump test and ground water impact analysis. Analysis to include impact to Cut Creek of pumping from proposed shallow aquifer sump wells. To be completed by April 15, 1996.

2. Consult with Mr. Woodcock of the WRD regarding the piezometers, and select the sites for the installation of two (2) to four (4) piezometers to the west - northwest of the deep wellfield location. The piezometers may be either permanent, temporary, or a combination of temporary and permanent. To be completed by April 15, 1996.

3. Install the two (2) to four (4) piezometers as selected. To be completed by April 30, 1996.

4. Conduct a long term pumping test on the deep well and the shallow well. Data and analysis will be completed in consultation with WRD. Results to be provided to WRD. Analysis of impact on shallow aquifer and surface water bodies to be included. To be completed by May 30, 1996.

5. Meet with WRD and other interested parties (i.e. the cranberry growers, Water Watch, etc.) regarding the proposed WRD conditions on the ground water permit. This meeting will be conducted as soon as sufficient data, information and analysis have been completed to allow for meaningful conditions to be set. To be completed by June 15, 1996.

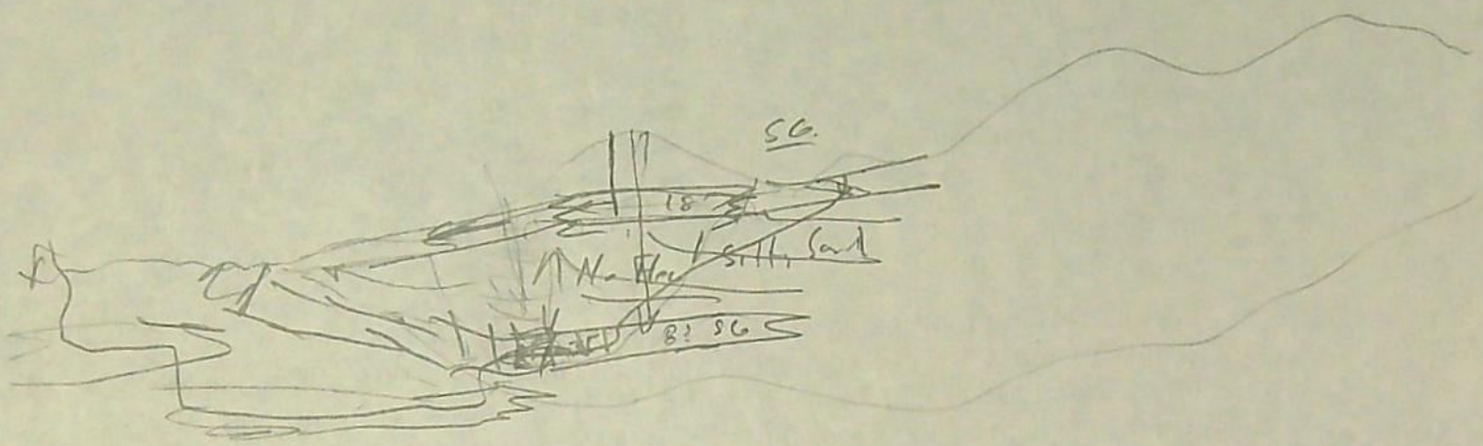
6. Move the permit, with appropriate conditions, to the WRD Director for signature without protest. To completed by September 15, 1996.

7. Auger a set of test borings to ascertain the optimal placement for the sump wells. Auger holes to delineate areas of gravel deposits with close proximity to the surface and a suitable water table. To be completed by October 31, 1996.

8. Conduct pumping test on sump wells with data and analysis provided to WRD, including impact on surface water bodies. To be completed by ???.

EGR & Associates, Inc. (541) 688-8322

2545 K Prairie Road, Eugene, OR 97402 FAX (54



4-5 HAND AUGERED / DRIVEN PIEZOMETERS
TO DEFINE WATER CONTOURS

DRAFT
4-10-96

March 26, 1996

Mr. Doug Woodcock
Geologist
Oregon Water Resources Department
Commerce Building
158 12th Street NE
Salem, Oregon 97310-0210

Dear Mr. Woodcock:

This letter summarizes our meeting and conversation of March 19, 1996, (and a previous telephone conversation) regarding the Bandon Coastal Dunes ground water right application G-13577. The points of our discussion were:

1. There is a discrepancy in the results between the two methods used to analyze the pump test data (equilibrium and straight line method). You back calculated in the straight line method using the results from the equilibrium method and could not get results that were consistent with the original data. I indicated that I was not convinced that using the results from one method to back calculate in another was appropriate. Though I will concede, depending upon what you were trying to demonstrate, it might be possible to use such a technique. You might note that the equilibrium formula for the pumping well #3 gave a result of $K=115$ gpd/ft^2, while the straight line method gave a value of $K=365$ gpd/ft^2. The straight line method for observation well #1 gave a value of $K=1920$ gpd/ft^2 during the same pumping test. Well #2p, the piezometer by deep well #2, was in fine silty sand and had no definitive response to the shallow pumping test.

   My intent in using more than one analysis method is to explore the extent to which the aquifer does not meet the assumptions of each method and thus variability in results are encountered. In my judgment, the aquifer comes closer to meeting the conditions of the equilibrium method (since the curve is an equilibrium type curve) than it does to any non-equilibrium method. I did not use a more elaborate non-equilibrium analysis method because I did not feel it was justified, given that 250 feet away the aquifer was clearly laterally non-homogeneous (no response in piezometer MW-2p). As I indicated in our meeting I will do a more sophisticated analysis on the data during future analysis.

   I am aware that if somewhat different results from the pump tests were used, then the issue of impact on Cut Creek may be avoided, but I do not, with the present data, have any way to justify any different pump test results than those we have currently.

The odd nature of the pump curve for the pump test on well #3, which you noted, resulted from an attempt to initially pump the well at 30 gpm when in reality the well was only capable of about 24 to 25 gpm sustained yield. It took the first 40 minutes of the test to get the flow stabilized between 22 and 23 gpm where it remained for nearly the next 12 hours. This early variability in the pumping rate can be seen on the data sheets in Appendix H of the document and of course in the pumping water level curves. The two pumping tests were limited to preliminary reconnaissance level investigations.

2. Of more significant concern is the apparent calculated secondary impact to Cut Creek from pumping at the deep well field location using the Jenkins method. Though the pumping will not directly draw water from the creek, it will, according to your calculations, reduce the ground water gradient to the creek and thus diminished the ground water discharge to the creek. As you pointed out, Division 9 Rules allow for WRD investigation and regulation of such impacts.

   Several factors associated with this project will mitigate the calculations as they were performed (as I understand them):

   a) The requested pumping rate of 5.88 cfs gives a distorted impression of water use since a golf course cannot irrigate 24 hours a day as in normal agricultural practices. The golf course(s) need to be able put their full irrigation allotment of water for the day over the entire golf course within 6 to 8 hours (between 10:00 PM and 6:00 AM). This is true even if all the golf courses (3 in this case) need water on the same day. Thus the very large rate request. However, the actual duty remains consistent, as with any irrigated area. Thus the average 24 hour pumping rate will be roughly 1/3 of the rate requested. In actual practice the pumping rate will nearly always be substantially less than 5.88 cfs, since only rarely will all three courses need to be irrigated in their totality at one time.

   b) The point of diversion is to be large sumps constructed to appear as linear lakes. Thus, according to Darcy's Law, since the area of the "well" will be substantially larger the ultimate drawdown will be substantially less to yield the same quantity of water. In fact the design target, is to limit maximum pumping drawdowns to 1 to 2 feet per pumping cycle. Of course the climatic and season changes in the water table and those resulting from water removal will be superimposed on the aquifer.

      A sump well, or series of sump wells, with a surface area of 4.6 acres will store the maximum daily water required for all three golf courses in 1 foot of depth. Thus, by definition, the maximum potential pumping use will only cause a 1 foot drawdown or less. Seasonal water level changes and

effects of long term water removal from the aquifer will be superimposed upon this drawdown.

c) A series of long sumps will also distribute the point of diversion along the western boundary of the property (immediately east of the large active dune, and west of the lakes and other water user of the area). This area is also further south than the deep well field area and thus further from the potential impact point on Cut Creek. The deep well field and the shallow well field area (sump area) are shown on maps previously supplied to the file.

3. As indicated on plans submitted to the file, the proposed reservoir below Chrome Lake/reservoir will allow more ground water to accumulate during the winter which will leak out into Cut Creek during the summer months. This will tend to mitigate any potential impact from the shallow sump wells. It is not expected that the well field(s) will directly collect significant quantities of this stored ground water. The stored ground water primarily will be used as a mitigation and/or enhancement to Cut Creek's summer flows.

4. The piezometers, as suggested, will be placed between the well field area and Cut Creek. They will be used in the calculations on the potential for well field impact, as well as physically demonstrating that the pumping (once it commences) is, or is not, having an impact on Cut Creek. I would propose that the permit be issued with provisions that if the impact is not significant that other mitigation efforts need not be instituted, and if the impact is significant then appropriate mitigation be put in place in consultation with the WRD.

5. The deep well will be tested with a longer pumping test (5 day) to determine if the deep aquifer has a sustainable flow and the nature of its connection to surface water and the shallow aquifer. Since the deep aquifer's static water level is at elevation 20 to 25 MSL as compared to an elevation of 60 to 75 MSL for the shallow aquifer, it appears that the connection between the two is poor at best. The deep aquifer itself is at elevation -25 to -35 feet below mean sea level. The potential for the deep aquifer to have a significant impact on Cut Creek is clearly limited to the reaches of the stream just above its discharge to the ocean where Cut creek also is at elevation 20 - 25.

   As you pointed out it is reasonable to ask the question as to the real impact of a diminished flow in a stream just before it empties into the ocean when there are no migratory fish runs on the stream.

   Following the deep well test the shallow well will also be pump tested for 5 days to better define its aquifer characteristics.

6. If further testing, piezometer data, and calculations indicate that any of the wells, deep or shallow, will cause an unacceptable impact to Cut Creek then the permit can be issued with an appropriate mitigation plan requirement as a condition of approval. The plan will provide for restoring any water loss to Cut Creek. Such mitigation may include, but not be limited to, modifying well (sump) construction; changing points of diversion; recharging water to make a new ground water divide; direct discharging to Cut Creek; modified well pumping schedules; increasing ground water storage through reservoir construction; and water recycling.

7. The area's overall water balance does indicate that sufficient water is available for the requested use. In fact, excess water is available on an annual basis. Further, if the water is not utilized at the proposed points of diversion then substantially all of it will simply return as underflow to the ocean.

8. There is some question within the agency as to the value of protecting this stream so close to its discharge point. All indications are that the impact to Cut Creek, if it occurs, will be within a few hundred feet of the ocean.

It is my understanding that if the issue of impact to Cut Creek can be either shown to not be a problem then the permit can be issued with the customary conditions on the permit. Conversely, if an impact is demonstrated to Cut Creek then the permit will be issued with a negotiated mitigation added to the permit conditions. This latter permit assumes a mutually acceptable mitigation plan can be agreed upon and that any additional permits, such as for aquifer recharge, are obtained and the necessary conditions of those permits met.

Attached to this letter is a scope of work outlining the work tasks to be performed to provide the added information and data necessary to support the issuing of an appropriately conditioned permit, as discussed. As these tasks are completed either a more standard permit will be proposed, or a negotiated permit with mitigation measures will be proposed, or alternatively a permit could be issued with actions triggered which would be implemented based upon exceeding a defined impact criteria. We will be implementing the initial tasks of the scope of work immediately.

Sincerely,

Ralph W. Christensen RG
Principal Geologist

EGR & Associates, Inc.
Engineers, Geologists and Surveyors

2545K Prairie Road
Eugene, Oregon 97402
(503) 688-8322
Fax (503) 688-8087

March 18, 1995

RECEIVED
MAR 20 1995
WATER RESOURCES DEPT.
SALEM, OREGON

Mr. Jake Szramek
Water Rights Specialist
Water Resources Department
Commerce Building
158 12th Street NE
Salem, Oregon 97310-0210

RE: G-13577

Dear Mr. Szramek:

This letter is in response to our conversations of 2/23/95 and 3/17/95. It is our understanding that through objections (our own included) the water rights application process is slowed down again and that our application (G-13577) may take a substantial amount of time to be processed. We further understand that changes in statute currently before the legislature could also effect permit processing. If a substantial delay in permit processing were to occur it would represent a true hardship on our client who cannot sustain long delays in getting the golf course established. We therefore request that this application be processed expeditiously. This permit application, as modified as set forth in this letter and the accompanying reports, is isolated from any watersheds or surface streams with complex issues, and will not damage either surface water flows or any other groundwater rights.

The newly proposed point(s) of diversion for this permit application (G-13577) is, outside both the Fahys Creek and Cut Creek watersheds (either by topography or water table contour maps) and more than 1/4 mile from any surface water body. This stream does not support any migratory fish runs, salmon or otherwise. There is a resident trout population. Further, a portion of the water for the resort (for potable use) is proposed to be withdrawn from the deeper aquifer which is clearly not directly connected to the shallow water table aquifer, based on head and chemistry differences.

All of the free flowing surface water capacity of Cut Creek has already been permitted, with only storage capacity remaining. The annual water balance for the stream clearly indicates excess winter flows suitable for storage.

We have performed a water balance for the proposed area of our requested groundwater right. This water balance indicates that natural recharge in the diversion area significantly exceeds the full quantity of our request. In additional we intend to construct a reservoir that will augment the natural recharge to the groundwater reservoir. Finally, all of this activity will take place down stream from all the other water rights users in the Cut Creek and Fahys Creek basins. Therefore our activity can have little effect on their water use. The free flowing character of Cut Creek will be enhanced as part of the proposed water management program.

Enclosed with this letter is a groundwater availability report by Luzier Hydrosciences, and a site specific water availability report based upon the on-site aquifer tests performed in the Fall of 1994. Finally, a simple analytical model was run to indicate the extent of impact pumping would have on the aquifer. Set up to simulate a sump (several wells in close proximity pumping at a portion of the over all desired rate), this simple model indicates that for sumps or wells pumping at the desired rate there will be less than 1 foot of drawdown beyond 1320 feet distance. Note the analytical model could not simulate leaky aquifer conditions which would substantially reduce the area of influence. Thus if the sump is sited properly, surface water bodies will experience no significant impact. A permit properly conditioned to assure monitoring and evaluation of impacts based on actual operations will allow for appropriate use and water management with full protection for the resource.

If I can provide any additional clarification, please let me know.

Sincerely,

Ralph Christensen RG
Principal Geologist

13.00

12.

FAHYS CK

BANDON DUNES

WELL #1

SPECIFIC CAPACITY = 22.4 gpm / 24 gal = 0.933

AQUIFER THICKNESS = 27 ft

TRANSMISSIVITY FROM SPECIFIC CAPACITY = 1130 gpd/ft = 151 ft²/DAY

HYDRAULIC CONDUCTIVITY (K) = 151 ft²/day / 27 ft = 6 ft/day

Q = 22.4 gal/m = 4312 ft³/day = 42 gpd/ft²

$$s = \frac{0.183\,Q}{T} \log \frac{2.25\,T\,t}{r^2\,S}$$

$$s = \frac{0.183 \;\; 4312\ ft^3/day}{151\ ft^2/day} \log \frac{(2.25)(151\ ft^2/day)(30d)}{(2000\ ft)^2\ 0.1}$$

$$= 5.223 \log 0.0255$$

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS
AMPAD

RECEIVED
JAN 10 1994
WATER RESOURCES DEPT
SALEM, OREGON

COMMENT FORM

Please list below the Application Number of the water use application(s) that are of interest to you. When the technical evaluation is completed a report of the technical review of these applications will be delivered to you.

Application #s G-13577 _____, _____, _____, _____, _____, _____

Send to: Ron Yockim
P.O. Box 218
Roseburg, OR 97470

Please include specific comments or concerns. Use additional sheets if necessary.

Return to:
Oregon Water Resources Department
3850 Portland Road N.E.
Salem, Oregon 97310

This Comment corresponds to the DEC/22/1993 Public Notice.

RECEIVED
JAN - 5 1994
WATER RESOURCES DEPT.
SALEM, OREGON

COMMENT FORM

Please list below the Application Number of the water use application(s) that are of interest to you. When the technical evaluation is completed a report of the technical review of these applications will be delivered to you.

Application #s G13577, G13576, G13573, _____, _____, _____

Send to: Steve Schneider
21881 River Road NE
St. Paul, OR 97137

Please include specific comments or concerns. Use additional sheets if necessary.

Return to:
Oregon Water Resources Department
3850 Portland Road N.E.
Salem, Oregon 97310

This Comment corresponds to the DEC/22/1993 Public Notice.

ENGINEERING AND
GEOLOGIC RESOURCES, Inc.

(503) 688-8322
Fax (503) 688-8087

2545K Prairie Road
Eugene, Oregon 97402

RECEIVED
SEP 22 1994
WATER RESOURCES DEPT.
SALEM, OREGON

September 19, 1994

Mr. Dave Szramek
Water Rights Specialist
Water Resources Department
Commerce Building
158 12th Street NE
Salem, Oregon 97310-0210

RE: Unsatisfactory Report of Technical Review - G-13577

Dear Mr. Szramek:

We are in receipt of your August 17, 1994, letter and the attached Unsatisfactory Report of Technical Review for Water Use Permit(s) for groundwater permit G-13577. It is our understanding this Unsatisfactory Report of Technical Review was based upon the proposed groundwater extraction wells being within 1/4 mile of a surface stream(s) and therefor by definition having the potential to cause substantial interference with surface water.

This letter is a formal objection to this determination based upon several grounds as follows:

1. By selecting alternative locations for the proposed wells to serve this development the required 1/4 mile setback from the surface water streams and lakes can be maintained and thus no potential substantial interference will be presumed and the permit could go forward. See the enclosed map.

2. By the use of storage of winter time runoff in either a surface or subsurface reservoir the impact to any surface water body can be fully mitigated. All water use could potentially be served from such storage

whether by surface or groundwater extraction. We understand that such storage could require the application for reservoir permits and potentially recharge permits, as well as the present extraction and use permit.

3. An aquifer test to determine both horizontal and vertical permeability is currently scheduled which should definitively determine the potential for groundwater/surface water interference. This could potentially refute the presumption of interference within 1/4 mile if it is found that the cone of depression is limited.

4. The proposed use occurs downstream from all prior rights, and it is our understanding that no in-stream rights exist on these stream, nor are they contemplated. The Fahys Creek connection to the Coquille River (and the in-stream flow rights of the Coquille River) is a mute point since Fahys Creek enters the Coquille in the brackish to saltwater portion of the Coquille River and therefor any water use will have no net impact to fresh water users or to aquatic species which use this brackish water source.

We request the original application, G-13577, be held with its existing priority date, until such time as the scheduled studies can be completed and modifications to the permit accomplished to bring this permit fully into compliance with Water Resources Department criteria. A minimum of 3 months may be required to complete the work and prepare alternatives. We would expect that Water Resources Department staff, the Coos County Watermaster and Coos County Planning would be meeting with us regularly to resolve all possible conflicts. We will be contacting the local cranberry growers to keep them informed of our progress and also solicit their input.

Enclosed is a map of the project with our proposed test well locations. The map also shows the location of the surface streams and the 1/4 mile distance from the surface water bodies.

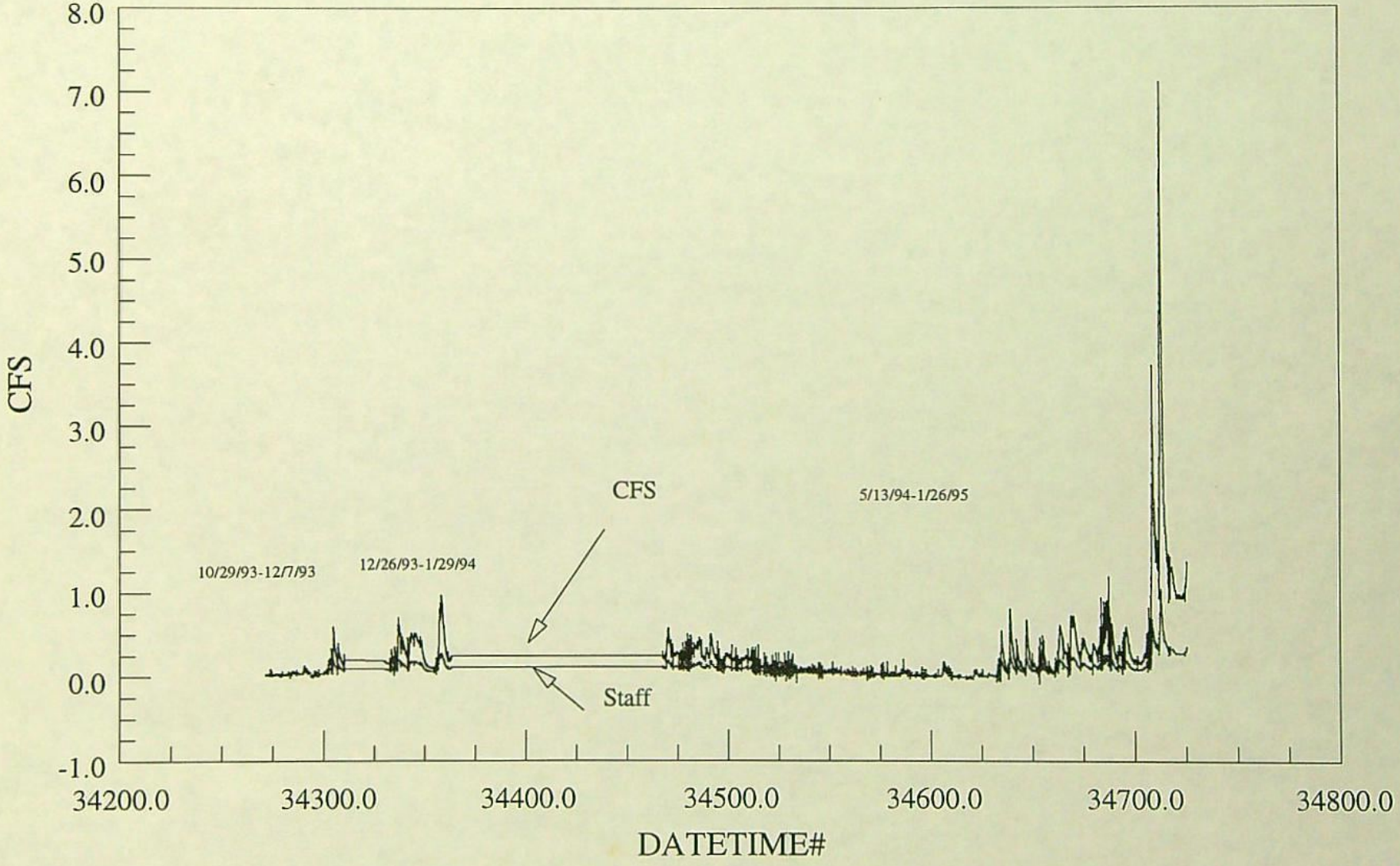
Sincerely,

Ralph Christensen RPG
Principal Geologist

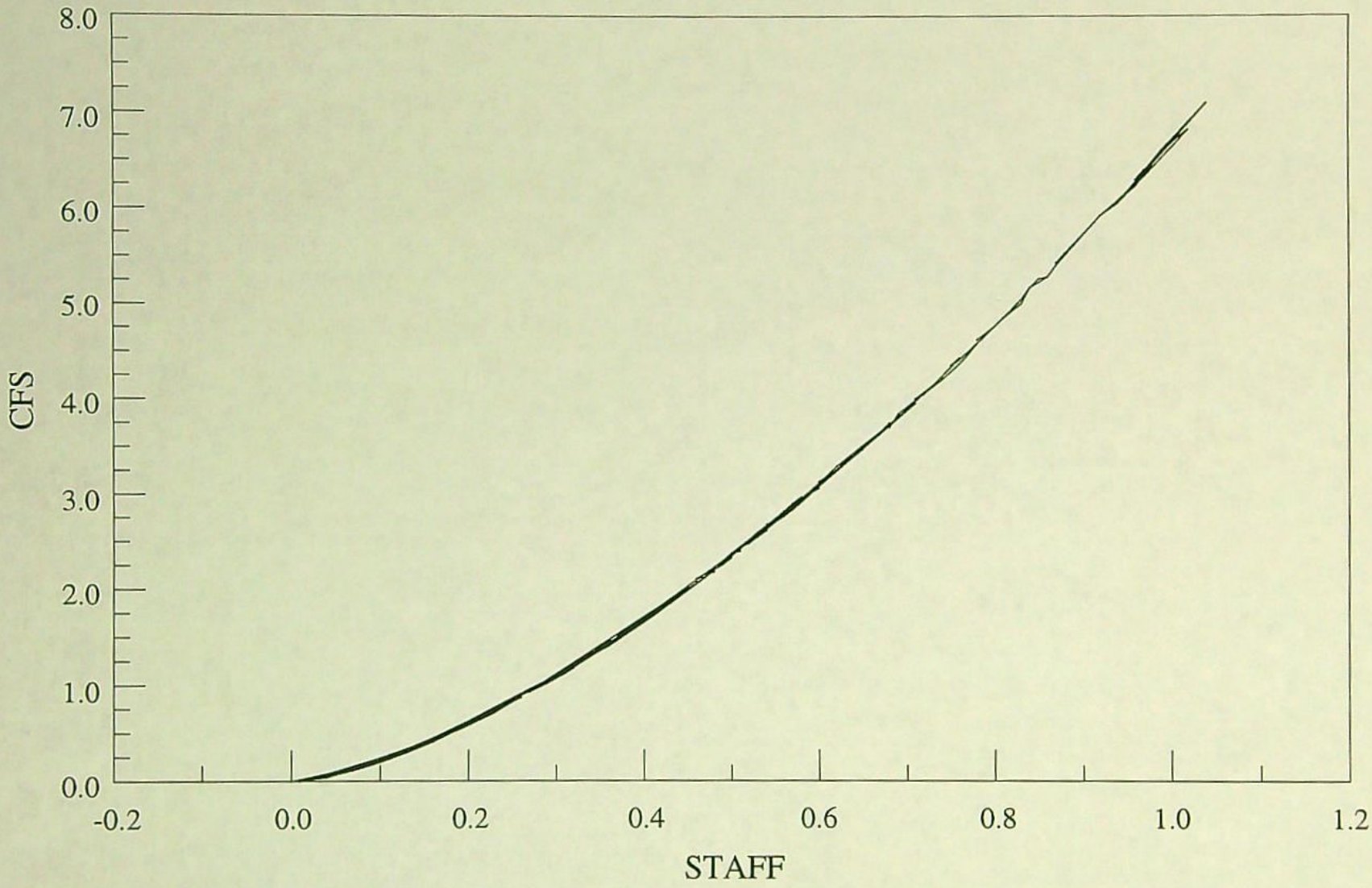
enc. Map

Station	Turn Point	Up Rod	Down Rod	Assumed Elevation	Actual Elevation	DTW 12/1/95	GW Elevation	Notes:			
	Well #3			**100.000**	76.870	11.620	65.250	Start Point			
1		5.105		105.105	81.975						
	TP1		1.680	103.425	80.295				6.625		
2		6.625		110.050	86.920			1.680			
	Well #1		3.190	106.860	83.730	17.140	66.590	w/ 0.03 cap			
	Well #2		7.745	102.305	79.175	56.670	22.505				
	Well #2p		7.780	102.270	79.140	17.990	61.150				
	Well #1 grnd		4.350	105.700	82.570						
	Well #2 grnd		8.680	101.370	78.240						
	TP2		6.920	103.130	80.000						
3		2.000		105.130	82.000						
	Well #3		5.130	100.000	76.870						
	Well #3 grnd		6.225	98.905	75.775						
				106.860	83.730			**from the top of #1**			
4		9.840		116.700	93.570						
	TP3		2.930	113.770	90.640			@ corner in road N.			
5		8.210		121.980	98.850						
	TP4		1.220	120.760	97.630			"@ hill top			
6		1.110		121.870	98.740						
	TP5		1.640	120.230	97.100			@ 2nd corner N./intersection by Round L.			
7		1.225		121.455	98.325						
	TP6		7.505	113.950	90.820			S. of rental house			
8		4.020		117.970	94.840			N. of rental house			
	TP7		16.105	101.865	78.735			@ culvert crossing, S. side			
9		1.305		103.170	80.040			@ culvert crossing, N. side			
	Culvert		6.340	96.830	73.700			@ top of clvert Round Lake			
	Lake		8.800	**94.370**	**71.240**			Round Lake Water Level 12/2/94			
	Stream		15.050	88.120	64.990			Stream level below culvert			
								Round Lake Assumed @ 71.24			

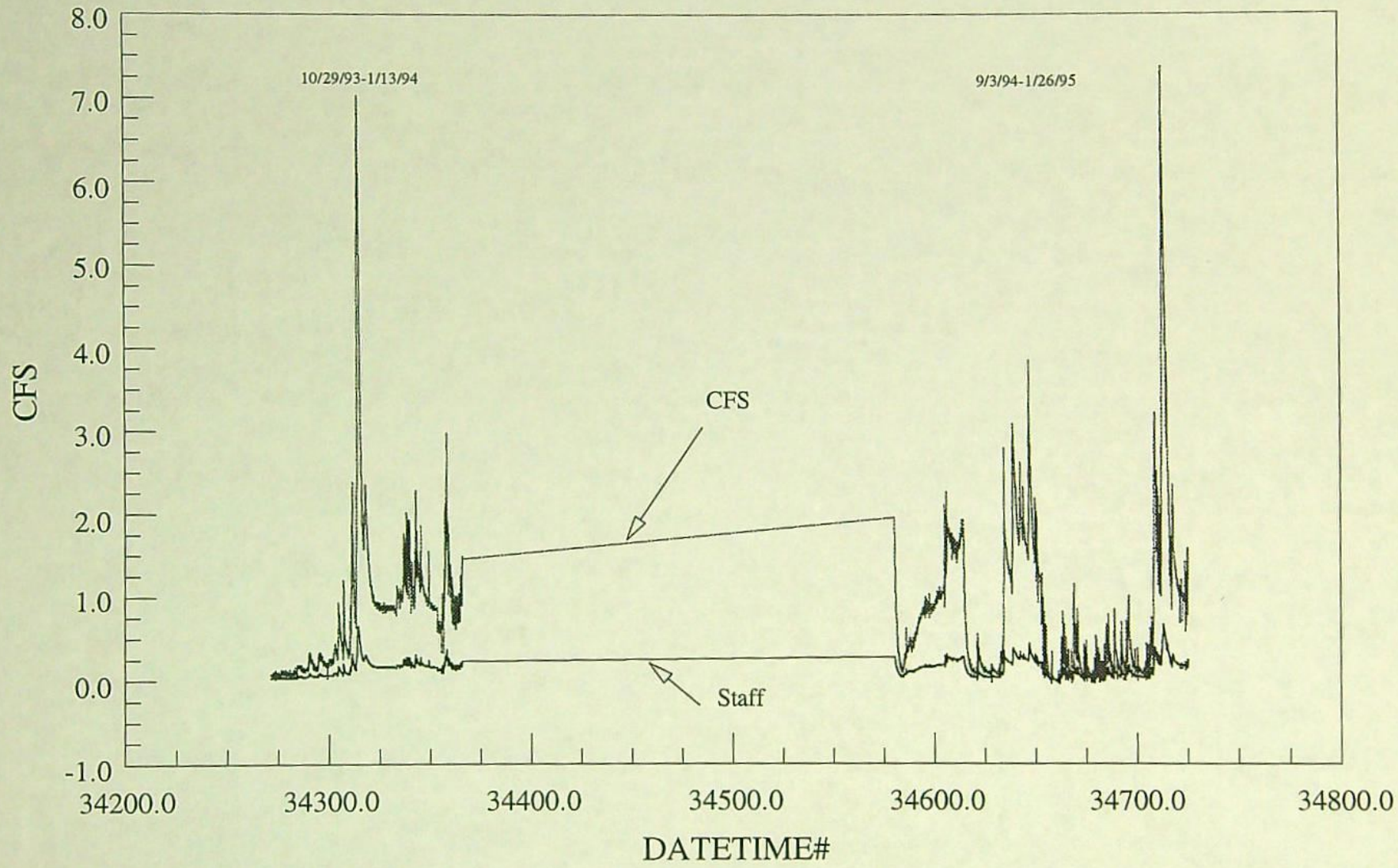
ROUND LAKE


8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
-1.0
CFS
CFS
5/13/94-1/26/95
10/29/93-12/7/93
12/26/93-1/29/94
Staff
34200.0
34300.0
34400.0
34500.0
34600.0
34700.0
34800.0
DATETIME#

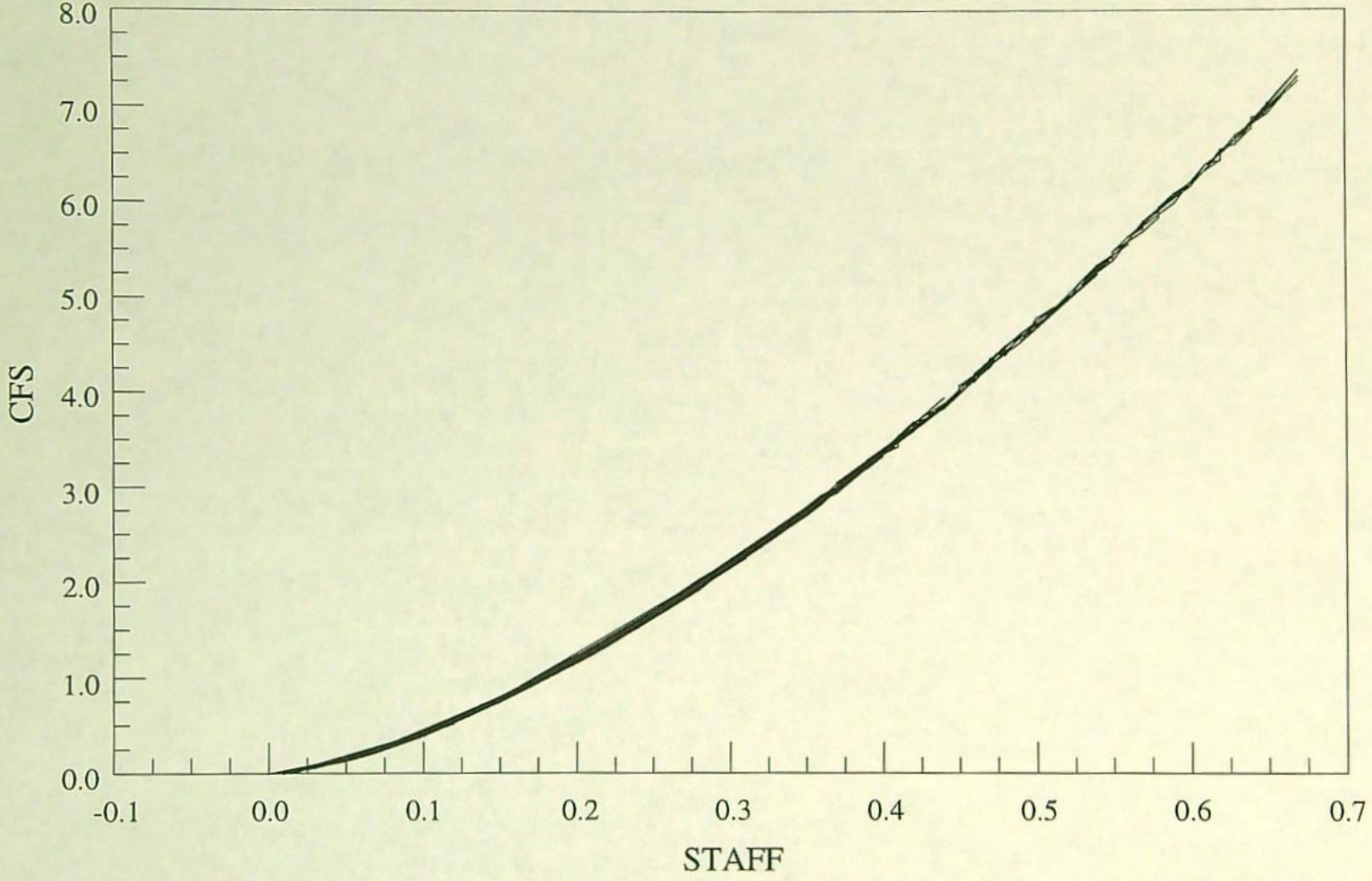
ROUND LAKE FLOW CURVE



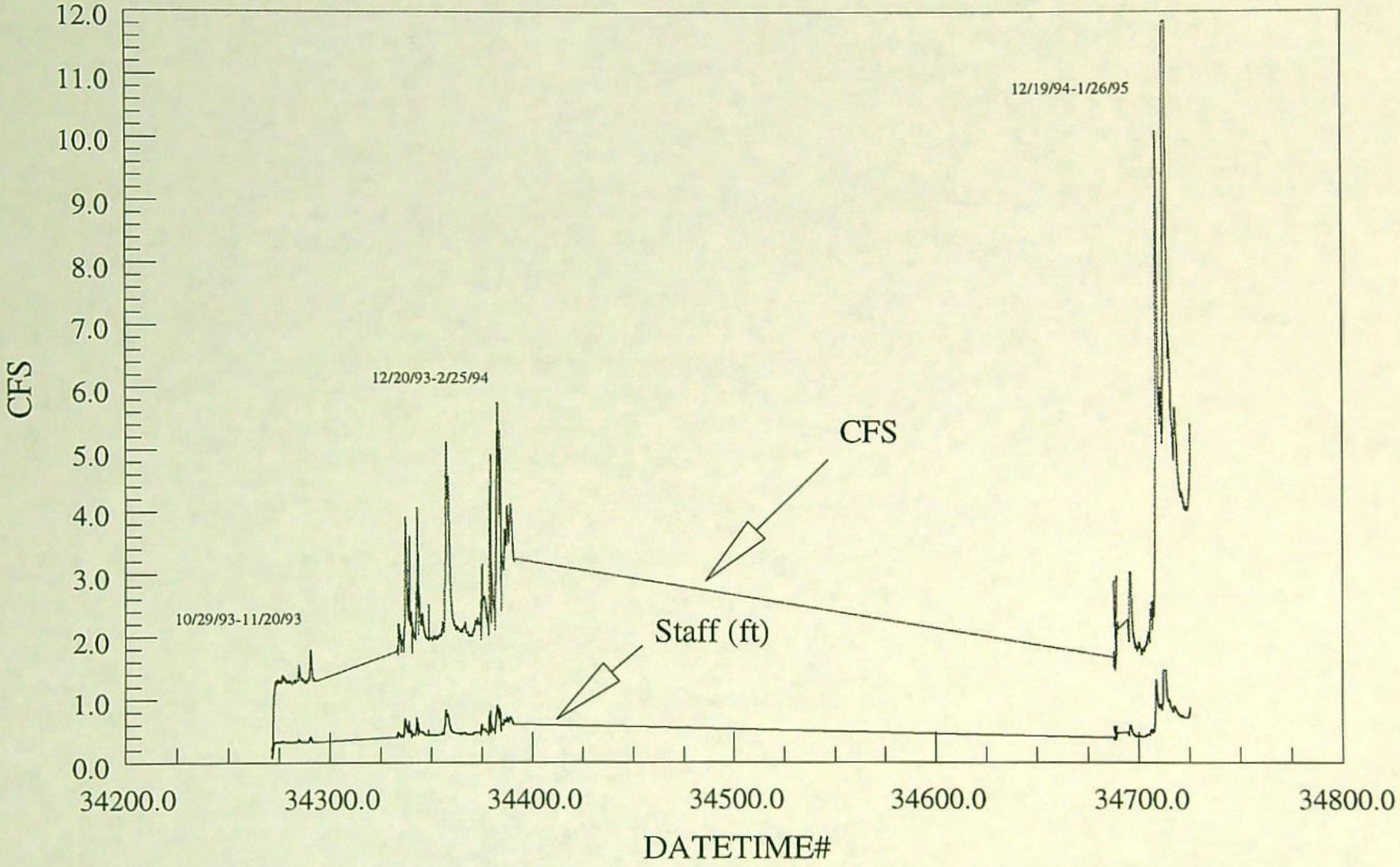
FAHYS LAKE

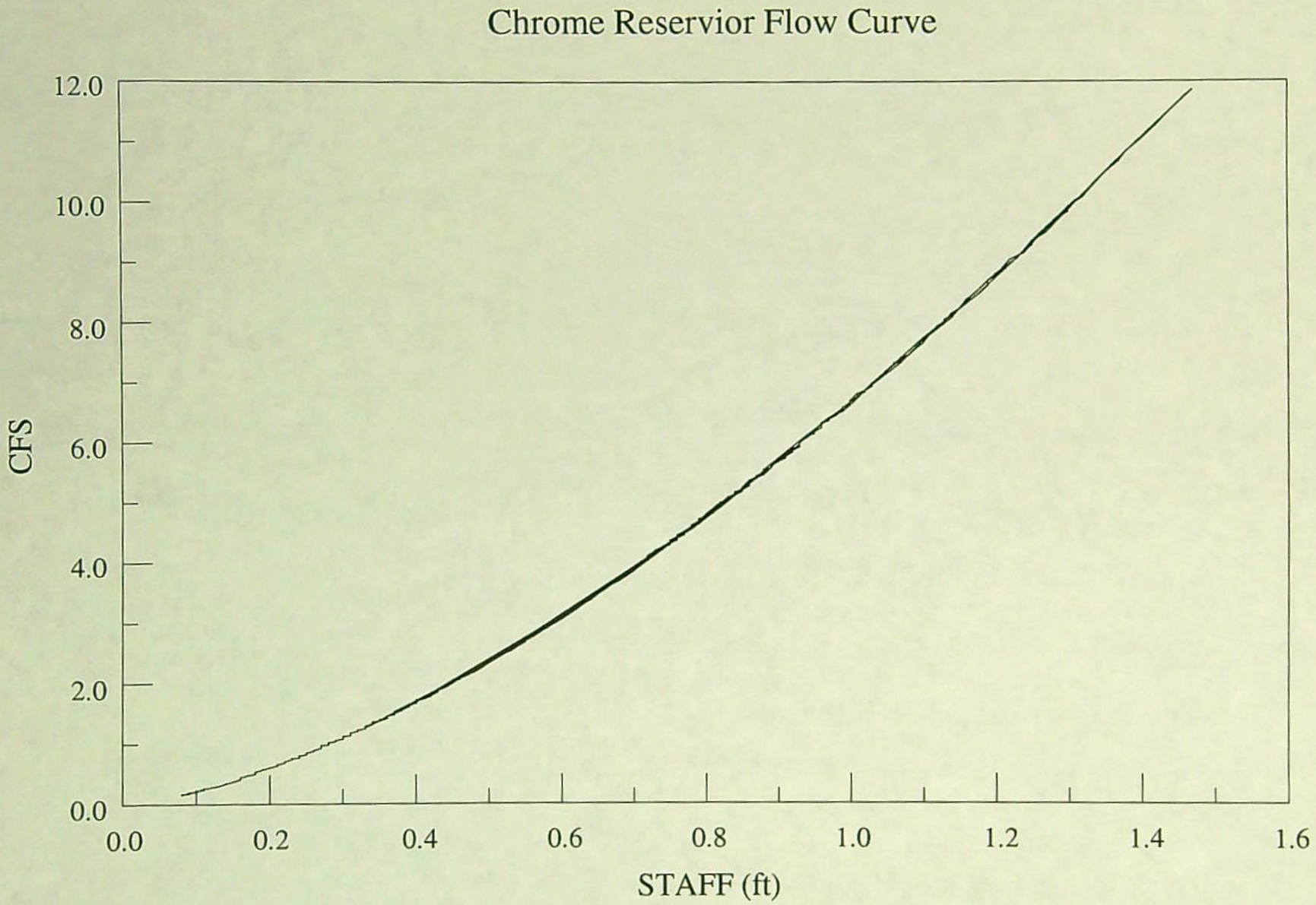

8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
-1.0
CFS
10/29/93-1/13/94
9/3/94-1/26/95
CFS
Staff
34200.0
34300.0
34400.0
34500.0
34600.0
34700.0
34800.0
DATETIME#

FAHYS LAKE FLOW CURVE



CHROME RESERVIOR




Chrome Reservior Flow Curve
12.0
10.0
8.0
6.0
4.0
2.0
0.0
CFS
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
STAFF (ft)

BANDON DUNES

- REQUEST 2640 gpm = 5.88 cfs
- PROPOSED WELLS FOR IRRIGATION ARE OUTSIDE CUT CR & FAHYS CR BASINS (?)
- 3 SUMP WELLS

PHONE CALL 2-14-96

- DEEP WELL SUSTAINABILITY IN QUESTION
- CHROME LAKE ELEVATION RAISED (CRANBERRY GROWERS)
- IN CHANNEL RES. PROPOSED
  - ODFW SAYS OR IP FISH PASSAGE IS ADDRESSED
  - CORP SAYS MITIGATE FOR LOST WETLANDS

RALPH WILL 2-14-96 SEND MAP SHOWING WELL LOCATIONS INCLUDING SUMP

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS
AMPAD

BANDON DUNES

- REQUEST 2640 gpm = 5.88 cfs
- PROPOSED WELLS FOR IRRIGATION ARE OUTSIDE CUT CR & FAHYS CR BASINS (?)
- 3 SUMP WELLS

PHONE CALL 2-14-96

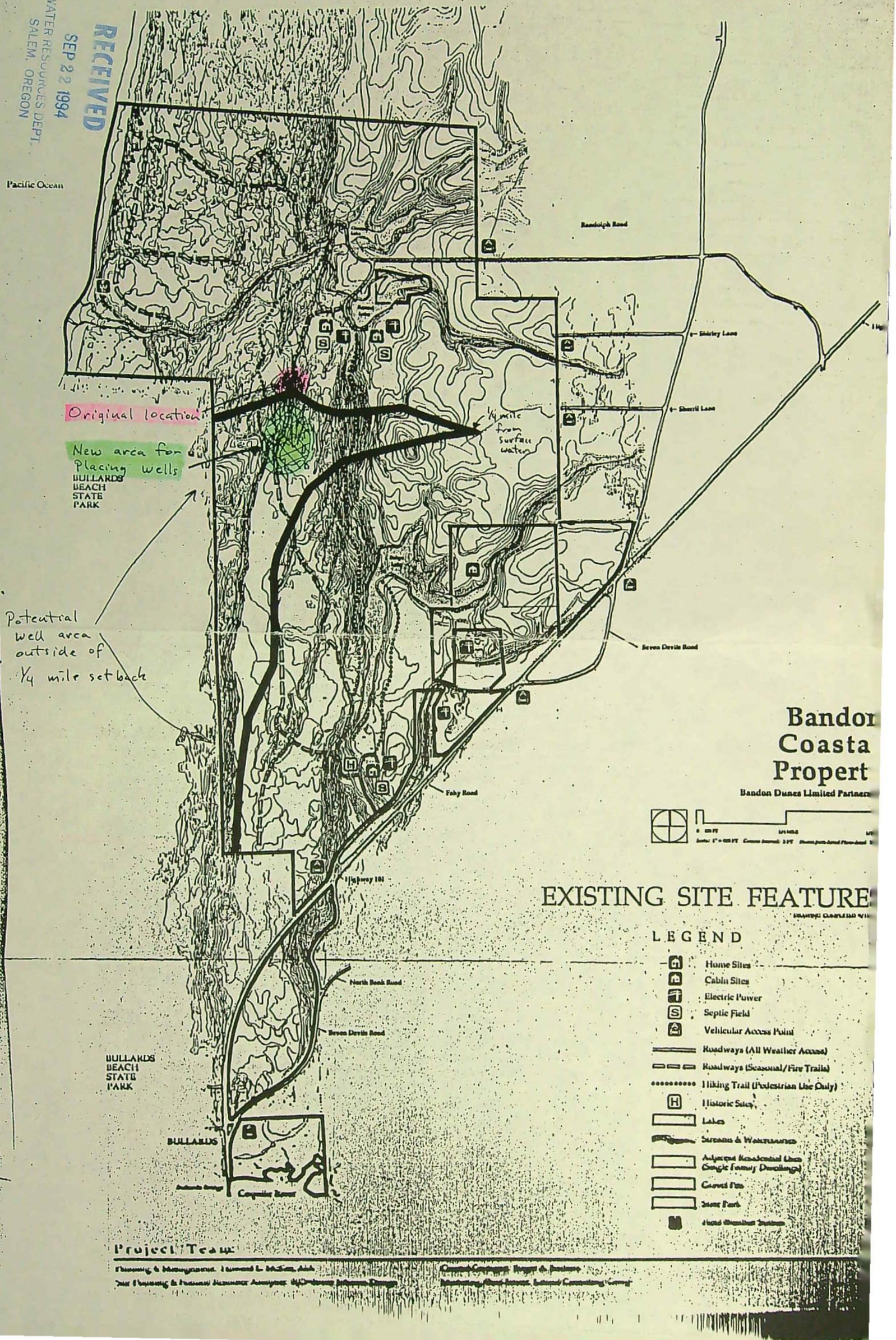
- DEEP WELL SUSTAINABILITY IN QUESTION
- CHROME LAKE ELEVATION RAISED (CRANBERRY GROWERS)
- IN CHANNEL RES. PROPOSED
  - ODFW SAYS OK IF FISH PASSAGE IS ADDRESSED
  - CORP SAYS MITIGATE FOR LOST WETLANDS

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS
AMPAD

2-14-96

RALPH WILL
SEND MAP SHOWING
WELL LOCATIONS
INCLUDING SUMP

RECEIVED
SEP 22 1994
WATER RESOURCES DEPT.
SALEM, OREGON



- WHAT ARE THE WELL HEAD ELEVATIONS FOR TEST WELLS?
- WHERE ARE DATA POINTS ON LURIER MAP? (HEADMAP)

- NOTE REGARDING GW CHEMISTRY (OF DUNES)
  (FROM BORTLESON ET AL, 1992) CONCENTRATIONS OF IRON IN SHALLOW GW ARE CONSIDERABLY HIGHER THAN IN DEEP GW. THIS MAY BE DUE TO SHELL FRAGS IN DEEPER WATERS ALTERING pH, RAISING CARBONATE-BICARBONATE CONCENTRATION AND CAUSING FERROUS IRON TO PRECIPITATE AS SIDERITE (FERROUS CARBONATE). IRON FROM DISSOLUTION OF IRON BEARING MINERALS SUCH AS PYROXENES AND IRON-TITANIUM OXIDES. IRON CONCENTRATIONS ARE HIGHER IN GW'S (SHALLOW) THAT ARE THICK W/ VEGETATION, SUCH AS LODGEPOLE PINE, WHICH LITTERS THE GROUND W/ ORGANIC MATTER.

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS
AMPAD

EGR & Associates, Inc.
ers, Geolo
2545K Prairie Road
Eugene, Oregon 97402
(503) 688-8322
ax (503) 688-8087

3/27

Jake,

I suggest that you ask the GW/Hydrologist who did the 1st review one to do another review.

Dyl

DF 3/27/95

This letter and report (not copied) were sent to refute UNSAT TR. Report needs to be processed by GW for DIV 9 review.

jake

VED

995

ES DEPT.
ION

nt

3/27/95

Dear Mr. Szramek:

This letter is in response to our conversations of 2/23/95 and 3/17/95. It is our understanding that through objections (our own included) the water rights application process is slowed down again and that our application (G-13577) may take a substantial amount of time to be processed. We further understand that changes in statute currently before the legislature could also effect permit processing. If a substantial delay in permit processing were to occur it would represent a true hardship on our client who cannot sustain long delays in getting the golf course established. We therefore request that this application be processed expeditiously. This permit application, as modified as set forth in this letter and the accompanying reports, is isolated from any watersheds or surface streams with complex issues, and will not damage either surface water flows or any other groundwater rights.

The newly proposed point(s) of diversion for this permit application (G-13577) is, outside both the Fahys Creek and Cut Creek watersheds (either by topography or water table contour maps) and more than 1/4 mile from any surface water body. This stream does not support any migratory fish runs, salmon or otherwise. There is a resident trout population. Further, a portion of the water for the resort (for potable use) is proposed to be withdrawn from the deeper aquifer which is clearly not directly connected to the shallow water table aquifer, based on head and chemistry differences.

EGR & Associates, Inc.
Engineers, Geologists and Surveyors

2545K Prairie Road
Eugene, Oregon 97402
(503) 688-8322
Fax (503) 688-8087

March 18, 1995

Mr. Jake Szramek
Water Rights Specialist
Water Resources Department
Commerce Building
158 12th Street NE
Salem, Oregon 97310-0210

RECEIVED
MAR 20 1995
WATER RESOURCES DEPT.
SALEM, OREGON

RE: G-13577

Dear Mr. Szramek:

This letter is in response to our conversations of 2/23/95 and 3/17/95. It is our understanding that through objections (our own included) the water rights application process is slowed down again and that our application (G-13577) may take a substantial amount of time to be processed. We further understand that changes in statute currently before the legislature could also effect permit processing. If a substantial delay in permit processing were to occur it would represent a true hardship on our client who cannot sustain long delays in getting the golf course established. We therefore request that this application be processed expeditiously. This permit application, as modified as set forth in this letter and the accompanying reports, is isolated from any watersheds or surface streams with complex issues, and will not damage either surface water flows or any other groundwater rights.

The newly proposed point(s) of diversion for this permit application (G-13577) is, outside both the Fahys Creek and Cut Creek watersheds (either by topography or water table contour maps) and more than 1/4 mile from any surface water body. This stream does not support any migratory fish runs, salmon or otherwise. There is a resident trout population. Further, a portion of the water for the resort (for potable use) is proposed to be withdrawn from the deeper aquifer which is clearly not directly connected to the shallow water table aquifer, based on head and chemistry differences.

3/27

Jake,

I suggest that you ask the GW/Hydrologist who did the 1st review one to do another review.

Dyl

DF 3/27/95

This letter and report (not copied) were sent to refute UNSAT TR. Report needs to be processed by GW for Div 9 review.

Jake

All of the free flowing surface water capacity of Cut Creek has already been permitted, with only storage capacity remaining. The annual water balance for the stream clearly indicates excess winter flows suitable for storage.

We have performed a water balance for the proposed area of our requested groundwater right. This water balance indicates that natural recharge in the diversion area significantly exceeds the full quantity of our request. In additional we intend to construct a reservoir that will augment the natural recharge to the groundwater reservoir. Finally, all of this activity will take place down stream from all the other water rights users in the Cut Creek and Fahys Creek basins. Therefore our activity can have little effect on their water use. The free flowing character of Cut Creek will be enhanced as part of the proposed water management program.

Enclosed with this letter is a groundwater availability report by Luzier Hydrosciences, and a site specific water availability report based upon the on-site aquifer tests performed in the Fall of 1994. Finally, a simple analytical model was run to indicate the extent of impact pumping would have on the aquifer. Set up to simulate a sump (several wells in close proximity pumping at a portion of the over all desired rate), this simple model indicates that for sumps or wells pumping at the desired rate there will be less than 1 foot of drawdown beyond 1320 feet distance. Note the analytical model could not simulate leaky aquifer conditions which would substantially reduce the area of influence. Thus if the sump is sited properly, surface water bodies will experience no significant impact. A permit properly conditioned to assure monitoring and evaluation of impacts based on actual operations will allow for appropriate use and water management with full protection for the resource.

If I can provide any additional clarification, please let me know.

Sincerely,

Ralph Christensen RG
Principal Geologist

WATER SUPPLY REPORT

BANDON COASTAL DUNELANDS

Water Right Application G-13577

March 18, 1995

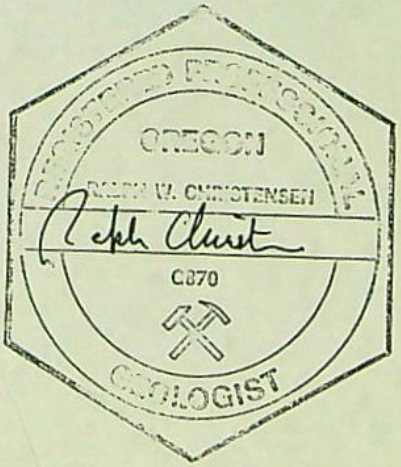
RECEIVED
MAR 20 1995
WATER RESOURCES DEPT.
SALEM, OREGON

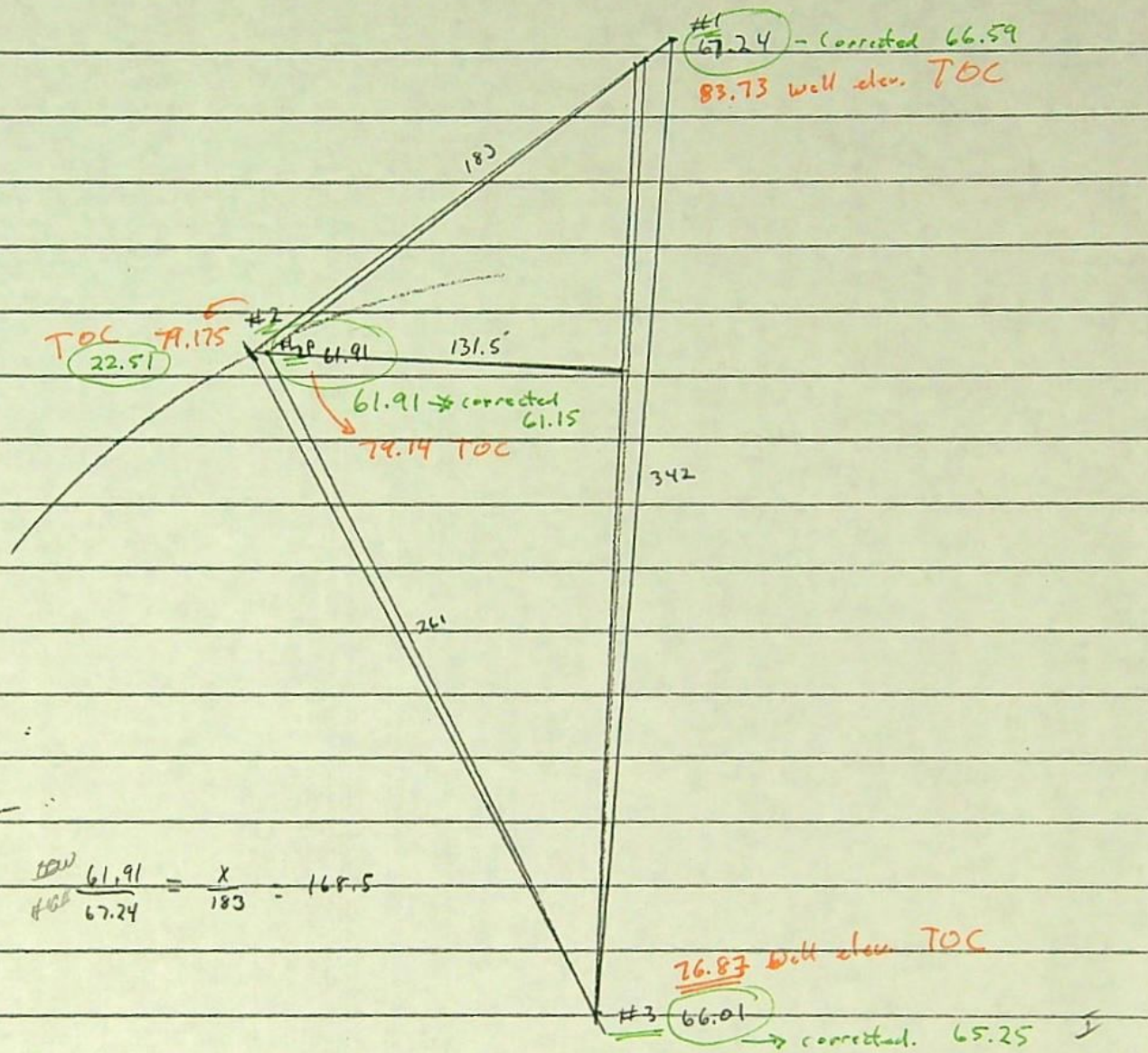
Prepared for

Bandon Coastal Dunes Limited Partnership

by

EGR & Associates, Inc.
2545 K Prairie Road
Eugene, Oregon 97402
(503) 688 8322 FAX (503) 688-8087





$\frac{\text{TOW}}{\#1} \quad \frac{61.91}{67.24} = \frac{x}{183} = 168.5$

gradient $\frac{4.1}{131.5} = .031$

Doug: elevations taken from Round Lake Surface water elevation; which is $\pm$ 0.5 feet. This is a gradient calculation sheet with relative position of each well marked.

WaterWatch

Hand Delivered

September 21, 1994

Oregon Water Resources Department
Water Rights Section
158 12th Street NE
Salem, Oregon 97310

RECEIVED
SEP 21 1994
WATER RESOURCES DEPT.
SALEM, OREGON

Re: Technical Report for:
R73285, Carpenter, Stock Water, Rogue
69638, Beattie, Irrigation, Rogue
R73880, Sesma, Stock Water, Rogue
G13577, Bandon Dunes, Commercial, Domestic, Irrigation, Cut Crk, Fayes
G11751, Black, Irrigation, Rogue
R73877, BLM, Forest Management, S. Umpqua
73878, BLM, Forest Management, S. Umpqua
71363, Haga, Cranberry Use, Floras Creek
72618, Todd, Domestic, Willow Creek

Dear Water Rights Section:

WaterWatch supports the proposed rejection of these applications for the reasons outlined in the technical reports and other reasons. We request notification and copies of any objections that are filed to these technical reports, copies of the Department's response to objections and notice and opportunity to file protests if the Department decides to recommend issuance of these applications.

Thank you. Please call if you have any questions.

Sincerely,

K. Priestley

Kimberley Priestley
Legal/Policy Analyst

WaterWatch of Oregon 921 SW Morrison, Suite 438 Portland, Oregon 97205
phone: (503) 295-4039; fax (503) 227-6847

COPY CHECK-OFF SHEET FOR TECHNICAL REVIEWS

CC: FILE # G-13577

WATERWATCH

ODF&W - County: COOS

WATERMASTER #: 19 JOHN DROLET

REGIONAL MANAGER: SW

CWRE: None Listed but send to

DEQ

OREGON ASSOCIATION OF NURSERYMEN INC.

KEN STAHR

OTHER ADDRESSES: RON YOCKEY
P.O. Box 218
ROSEBURG, OR. 97470

STEVE SCHNEIDER
2881 RIVER RD. NE
SALEM OR. 97137

→ STUNTZNER Engineering & Forestry, PO Box 118, Coos Bay, OR 97420

CASEWORKER (initials/date) JP 8/4/94 ORIGINAL TO APPLICANT 6/28/94

8-26-94 Called (312) 281-0652 & got name of Howard McKee; he said to re-mail TR to his attn. at the same address which PO returned to us "unable to forward" JCB

NEED WELL LOGS OR INFORMATION ON ACC 5 WELLS

KD 7-8-94

4/27/94

TECHNICAL REVIEW CHECKLIST

1. Application: G-13577

2. Review Date: 8/4/94

S indicates information was completed or adequately addressed.
U indicates information is needed, or incomplete, or inadequately addressed
N/A indicates Not Applicable

SUMMARY

S	Land Use
NA/yes/no	Substantial SW interference w/GW (if yes, see results of surface water availability analysis)
0	Conflicts NO CWRE MAP IRR. Ac?
U	Water Availability (Cutoff & Fahys Creek) (Water Availability Sub-basin) Nowata cutoff, fees? map
U	The application, map and supporting data are complete and free of defects.
~~yes~~ NA	A TMDL letter has been received for this source or tributary. If yes, the period of use has been adjusted.

3. U The applicant has certified that the information provided in the application is an accurate representation of the proposed use and is true and correct to the best of their knowledge.

4. NA No oath is required because application was filed before June 5, 1992.

See supplemental

5. U Application fees:

Examination fee:	$ 200
Recording fee:	$ 905
TOTAL REQUIRED	$ 1105
TOTAL SUBMITTED	$ 1135
AMOUNT DUE prior to issuance of permit	$ 0.00
AMOUNT OVERPAID refund due applicant	$ 30.00

COMM. 100 (.625 cfs)
IRR. 680 (300 ac)
DOM 125

need CWRE MAP with ACres.

$100 1st 80
290 x 2 $580
680 yrs 300A

6. S — Proposed dates of beginning and completion of construction, and complete application of water.

7. U — A satisfactory map of the proposed place of water use prepared by a certified water right examiner, unless exempt under OAR 690-14-150(3). (A CWRE map is not required for applications filed before November 9, 1987.) need stamped map with Irr, domestic & commercial

8. S — A written copy of the legal description of the property on which the water is to be used.

9. N/A — A copy of written authorization, contract or easement permitting access to the land or reservoir not owned by the applicant.

10. S — No statement of ownership was required for applications filed before August, 1990.

11. S — The proposed use is not restricted or prohibited by statute.

12. S — The source of water is not withdrawn from appropriation by order of the State Engineer or Water Resources Commission, or legislatively withdrawn under ORS Chapter 538.

13. S — Irr, Dom & Comm use(s) is/are classified uses(s) under the South Coast Basin Program, OAR 690 - 517 - 001. (f)

Land Use Compatibility:

14. As expressed by the Planning Department of Coos County

15. N/A — The land uses to be served by proposed water uses (including proposed construction) are allowed or are not regulated by the local comprehensive plan (ordinance section _____).

16. N/A — The land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals which have been obtained.

17. S — The local government was notified, and sent no comment pursuant to the rules at the time; land use was presumed in compliance per such statement printed on the application.

For reservoir applications:

18. NA — Plans, specifications and supporting information for the dam and impoundment area.

WATER AVAILABILITY TABLE

Basin: South Coast
Water Availability Subbasin: 1600000000000000 (and Nested Subbasins)
Exceedance Level: 80
Time: 08:24 Date: 08/04/1994

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	1600000000000000	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES

DETAILED REPORT ON WATER AVAILABILITY

Basin: South Coast
Stream: COQUILLE R > PACIFIC OCEAN
Water Availability Subbasin: 1600000000000000
Exceedance Level: 80
Time: 08:23 Date: 08/04/1994

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Water Available 1/1/93	CU + Stor After 1/1/93	Net Minimum Flow	Instream Water Rights	Net Water Available
1	2180.00	20.00	2160.00	1.09	2160.00	360.00	1800.00
2	2890.00	20.00	2870.00	1.15	2870.00	340.00	2530.00
3	2630.00	10.00	2620.00	1.06	2620.00	340.00	2280.00
4	1520.00	20.00	1500.00	0.45	1500.00	340.00	1160.00
5	731.00	26.00	705.00	0.97	704.00	340.00	364.00
6	350.00	52.00	298.00	2.11	296.00	200.00	95.90
7	156.00	73.20	82.80	2.99	79.80	71.00	8.81
8	79.80	62.10	17.70	0.93	16.80	71.00	-54.20
9	71.10	34.80	36.30	0.53	35.80	71.00	-35.20
10	95.20	15.50	79.70	0.09	80.00	380.00	-300.00
11	515.00	14.00	501.00	0.35	501.00	380.00	121.00
12	1890.00	20.00	1870.00	0.45	1870.00	360.00	1510.00
Stor	1700000	22000	1680000	729	1670000	195000	1480000

DETAILED REPORT OF CONSUMPTIVE AND STORAGE AFTER 01/01/1993

Basin: South Coast
Stream: COQUILLE R > PACIFIC OCEAN
Water Availability Subbasin: 1600000000000000
Time: 08:23 Date: 08/04/1994

Month	Consumptive Use			Storage		
	Apps.	Permits	Certs.	Apps.	Permits	Certs.
1	0.75	0.00	0.00	0.34	0.00	0.00
2	0.75	0.00	0.00	0.40	0.00	0.00
3	0.75	0.00	0.00	0.31	0.00	0.00
4	0.37	0.00	0.00	0.08	0.00	0.00
5	0.94	0.00	0.00	0.03	0.00	0.00
6	2.11	0.00	0.00	0.00	0.00	0.00
7	2.99	0.00	0.00	0.00	0.00	0.00
8	0.93	0.00	0.00	0.00	0.00	0.00
9	0.53	0.00	0.00	0.00	0.00	0.00
10	0.09	0.00	0.00	0.00	0.00	0.00
11	0.25	0.00	0.00	0.10	0.00	0.00
12	0.25	0.00	0.00	0.20	0.00	0.00

DETAILED REPORT OF ISWRs

Basin: South Coast
Stream: COQUILLE R > PACIFIC OCEAN
Water Availability Subbasin: 1600000000000000
Time: 08:23 Date: 08/04/1994

	ISWRs				
APP # : 384A	0	0	0	0	RESULTANT
STATUS: Certificate					
1	360.0	0.0	0.0	0.0	360.0 C
2	340.0	0.0	0.0	0.0	340.0 C
3	340.0	0.0	0.0	0.0	340.0 C
4	340.0	0.0	0.0	0.0	340.0 C
5	340.0	0.0	0.0	0.0	340.0 C
6	200.0	0.0	0.0	0.0	200.0 C
7	71.0	0.0	0.0	0.0	71.0 C
8	71.0	0.0	0.0	0.0	71.0 C
9	71.0	0.0	0.0	0.0	71.0 C
10	380.0	0.0	0.0	0.0	380.0 C
11	380.0	0.0	0.0	0.0	380.0 C
12	360.0	0.0	0.0	0.0	360.0 C

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 1600000000000000

Basin: South Coast

Exceedance Level: 80

Time: 08:24 Date: 08/04/1994

Month	Limiting Subbasin	Stream Name	Water Available?	Net Water Available
1	1600000000000000	COQUILLE R	YES	1800.0
2	1600000000000000	COQUILLE R	YES	2530.0
3	1600000000000000	COQUILLE R	YES	2280.0
4	1600000000000000	COQUILLE R	YES	1160.0
5	1600000000000000	COQUILLE R	YES	364.0
6	1600000000000000	COQUILLE R	YES	95.9
7	1600000000000000	COQUILLE R	YES	8.8
8	1600000000000000	COQUILLE R	NO	-54.2
9	1600000000000000	COQUILLE R	NO	-35.2
10	1600000000000000	COQUILLE R	NO	-300.0
11	1600000000000000	COQUILLE R	YES	121.0
12	1600000000000000	COQUILLE R	YES	1510.0
Stor	1600000000000000	COQUILLE R	YES	1480000.0

STREAM NAMES

Basin: South Coast
Water Availability Subbasin: 1600000000000000 (and Nested Subbasins)
Time: 08:24 Date: 08/04/1994

WAB #	Stream Name	Tributary to
1600000000000000	COQUILLE R	PACIFIC OCEAN

TOWNSHIP 28S RANGE 14W W. M. SECTION 5

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			
				TOTAL ACREAGE IN SUBDIVISION AS SHOWN ON GOVERNMENT PLAT														
29.34	28.96			28.56	28.16													
	0.29	0.15	0.38													24302	19057	21475
																40352	33556	CANCELLED
																Temp. Non-Diversionary D.C. -Supp- 56569	44930	6
																Temp. Diversionary D.C. G-8633	G-8879	L5417
														D.m(U) L16	D.m(U) L16	60573	46099	
												D.m(U) L16				61826	46041	55655
													D.m(U) L16			69101	46656	CANCELLED
																71273		MISLOCATED
COMMERCIAL				X	X	X	X	X	X	X	X					G-13577		

(SEE BACK OF CARD FOR PLAT OF SECTION)

TOWNSHIP 27S. RANGE 14W W. M. SECTION 31

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			
Lot 4			Lot 3									Lot 2			Lot 1			
TOTAL ACREAGE IN SUBDIVISION AS SHOWN ON GOVERNMENT PLAT																		
Min			Min									Min	Min	Min	Min	2470	1374	2020
Min			Min									Min	Min	Min	Min	7517	4802	3587
														Min	Min	9344	8690	CANCELLED
												Commercial						
												X	X		X	G-13577		

(SEE BACK OF CARD FOR PLAT OF SECTION)

TOWNSHIP 27S. RANGE 14W. W. M. SECTION 32

N E				N W				S W				S E				Application Number	Permit Number	Certificate Number
NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			
					Placer			Mining								2470	1374	2020
								Mining								7517	4802	3587
								Power								8651	5837	CANCELLED
													Min			19764	15349	CANCELLED
																R-57815	R-8147	
																R-72981	TR	
																72982	TR	
			5									12				73744	TR	
			Com		Commercial							Commercial				G-13577		
					X			X	X	X	X							

WaterWatch
OF OREGON

RECEIVED
JAN - 3 1994
WATER RESOURCES DEPT
SALEM, OREGON

December 29, 1993

Water Resources Department
3850 Portland Rd. N. E.
Salem, OR 97310

RE: Application for Permit #G13577, Bandon Dunes Ltd.
Cut Cr. Basin, Coos Co., Commercial, Dom. & Irr.

WaterWatch has reviewed the limited amount of information contained in the public notice of this water right application. Based upon that information, WaterWatch raises the following issues, questions and concerns:

Is there unappropriated water available for this proposed use? How will the Department determine water availability for this proposed use? What will be the cumulative effect of this proposed use, in combination with other, already existing uses of the aquifer?

Is the groundwater source in question in hydraulic connection with surrounding surface waters? If so, what is the amount of surface water depletion and what effect will this proposed use have on instream flows necessary to protect the public's interest in fish, wildlife, recreation and a health aquatic system? We oppose any application which in any way reduces surface water flows needed for the public uses that are served by any instream water right.

Given the importance of this groundwater resource, and the Department's limited enforcement staff, it only makes sense to require this applicant to measure and record water use. Measurement not only helps the Department carry out its statutory mandate to promote the control of water resources in Oregon for all beneficial uses, it helps the Department protect the public's interest in assuring the use is within the bounds of the permit. ORS 536.220(1)(a), 537.170(5)

Will this proposed use be compatible with Goal 5 elements in the local comprehensive plan?

It is a high priority of the state to eliminate waste and improve the efficiency of water use. OAR 690-410-060(1) Statewide policy also calls upon water users to use and maintain their water systems in a manner consistent with the state's priority. What conditions are proposed for this permit that will carry out and encourage compliance with state policy?

Is this an existing illegal use of water? If so, will the continued use without a permit cause harm to existing water rights and the public interest?

We request copies of the draft permit and the Department's technical review of this application.

Sincerely,

Jim Myron

bc:

WaterWatch of Oregon, Inc. 921 S.W. Morrison, Suite 438 Portland, Oregon 97205 (503) 295-4039

TOWNSHIP 28S RANGE 14W W. M. card # 3 SECTION 4

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																		
																73196		
								COM-								G-13577		

TOWNSHIP 28S RANGE 14W W. M. SECTION 5

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			
29 3/4 – 28 9/6				Total acreage in subdivision as shown on government plat: 28 5/6 – 28 1/6														
0.29	0.15	0.38														24302	19057	21475
																~~40852~~	~~33558~~	CANCELLED
																-SUPPL- 56569	44930	6
																G-8633	G-8879	65417
																60573	46099	
												DO. M 2 L66				61826	46041	55655
																68101	~~46656~~	CANCELLED
																~~R-71773~~		MISLOCATED
— COMMERCIAL —				x	x	x	x	x	x	x	x					G-13577		

(SEE BACK OF CARD FOR PLAT OF SECTION)

TOWNSHIP 28S. RANGE 14W. W. M. Card # 1 SECTION 8

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			
							X									14388	10422	CANCELLED
2.95																22918	18008	19530
																~~R-48861~~	~~R-4999~~	CANCELLED
																42852	32338	CANCELLED
																46949	35110	39526
																50732	38316	67071
																54542	40928	56084
																-SUPPL- 56569	44930	6
																G-8633	G-8879	65417
																69873	50701	
																R-71446	R-11378	
																R-71445	R-11377	
																71444	51235	

TOWNSHIP 28 S RANGE 14 W W. M. card # 2 SECTION 8

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																		
1 5/8																69873	50701	66069
																~~G-11603~~		
																71744		
COM'L -				COMMERCIAL COMM'L												72558		
																G-13577		

TOWNSHIP 27S. RANGE 14W. W. M. SECTION 32

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			
						Placer		Placer Mining								2470	1374	2020
								Mining								7517	4802	3587
								Power								8651	5837	CANCELLED
													Min			19764	15349	CANCELLED
								Res					Res			R-57815	R-8147	
24																R-72981		
15																72982		
			5									12				73744		
	Com					Commercial							Commercial			G-13577		
						X		X	X	X	X							

TOWNSHIP 27S. RANGE 14W. W. M. SECTION 31

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			
Lot 4			Lot 3									Lot 2			Lot 1			
TOTAL ACREAGE IN SUBDIVISION AS SHOWN ON GOVERNMENT PLAT																		
Min			Min									Min	Min	Min	Min	2470	1374	2020
Min			Min									Min	Min	Min	Min	7517	4802	3587
														Min	Min	9344	8690	CANCELLED
												Commercial X	X		X	G-13577		

(SEE BACK OF CARD FOR PLAT OF SECTION)

TOWNSHIP 28S. RANGE 14W. W. M. CARD #1 SECTION 4

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																		
												Rs		Rs	Rs	R-30709	R-1946	29949
			16									17				30710	24531	28950
													2e			37418	28270	32420
						Dem 1e										38123	28412	36970
		FEH 3e	FEN 0e													38775	28937	35936
RES																R-39324	R-3900	35932
FEH 13e																39325	29282	35933
FEH 13e																G-2750	G-2561	35931
			Harr. Temp										Harvesting Temporary 1e 0e			42311	31788	37081
1e																G-3695	G-3498	39491
																~~42882~~	~~39656~~	CANCELLED
			16									17	2e			42311 Suppl	31788	37081
																56569	44930	
																55693	42293	

TOWNSHIP 28S. RANGE 14W. W. M. CARD #2 SECTION 4

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																		
		FEH 10e														G-8441	G-7927	55657
									0e	T.C. 5e						G-8611	G-8007	60575
										T.C. 0e						G-8633	G-8879	65417
		I.TC 1.64e														G-11254	G-10368	
										T.C. 0e	T.C. 23e					G-11427	G-10543	66869
		0e														G-11468	G-10591	65844
		CR 1e										CR 3e	CR 8e	CR 2e		69892	50974	
													CR 8e	CR 2e		G-12006 Sup.	G-11045	
		1e										CR 3e	CR 2e			G-12006	G-11045	
13e																G-12359		
										6e						G-12904		
		5e 2e														G-12930		
		3e	6e													G-12930 Supl		
																72558		

TOWNSHIP 28 S. RANGE 14 W. W. M. #1 SECTION 17

NE				NW				SW				SE				Application Number	Permit Number	Certificate Number
Lot	Lot	Lot 2	Lot 1	Lot	Lot	Lot 4	Lot 3	Lot 6	Lot 5	Lot	Lot	Lot 8	Lot 7	Lot	Lot			
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																		
		44.80	31.10			27.20	41.15	15.65	19.95			27.25	14.28					
									Dom Mtg							4-444	2586	1073
									Dom Mtg							558	3440	1922
										20.2	3.7					13309	9550	21241
										~~.38~~						~~21162~~	~~16583~~	~~16783~~
										~~2.54~~						~~22317~~	~~17596~~	~~21652~~
										3.1						~~22683~~	~~17839~~	CANCELLED
														6.25		33041	26134	~~33048~~
										20.2	3.7					Supplemental 33077	26157	28547
				5.0				Prim in Sec 20								~~33077~~	~~26157~~	/
										2.0						Trs. Sp. Or. V. 11 P. 51		33787
										2.54						I-14	V10 P490	33009
														~~GRAIL HARV.~~		42022	31536	~~36601~~

(SEE BACK OF CARD FOR PLAT OF SECTION)

TOWNSHIP 28S. RANGE 14W. W. M. #2 SECTION 17

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																		
														3.4		G3424	G-3015	35621
										Nov 8.1	N ½ 3.2					42041	31470	35937
											2.0					I-16	V-11 P-51	33787
											5.54					45004	39632	44273
											3.0					P-95	V.17 P.395	39349
											Harvest Fund 2.0					46203 Supplemental	34520	50664 ~~39941~~
										Frost Harvest						46528	34762	56406
														3.0		T-2431	V.20 P.294	37359
														3.28		T-2431	C-33048 V.20 P.294	53216
														Cran Harv.		T-2431	C-36501 V.20 P.294	53217
										Harvest						47956	35952	56408
										Res						R-47955	R-5811	56407
														6.25		G-5343	G-4912	44580
										1.:						46203	34520	50664 ~~39941~~

TOWNSHIP 28S. RANGE 14W. W. M. #3 SECTION 17

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																		
											8.54			3.00		G-5697	G5506	44267
38.6	39.1	38.3	31.6										2.8			54542	40928	56084
											3.0			3.0		45004 Supplemental	33632	44273
											Frost Cran-berry			Frost Cran-berry		45004	33632	44273
										Harvest Frost						48442	42567	56410
										13.5	3.0					48442 -34 PPL	42567	56410
										13.5	3.0					G-5571 SUPPLEMENTAL	G7861	56405
										Harvest						G-5571	G7861	56405
																63513	Suppl 46784	
																G-10706	G9773	
																63847	47495	
										4.3 Flood	1.4 Harvest Cont			6.4		57072 Supplemental	47492	
				Com-												69287		
																G-13577		

Oregon

WATER
RESOURCES
DEPARTMENT

December 21, 1993

BANDON DUNES LIMITED PARTN
2130 LINCOLN PARK W
CHICAGO, IL 60614

Core 7,

REFERENCE: File(s) G-13577

We have received your application(s) for a water use permit along with your supporting data, documentation, and fees. A receipt is enclosed here unless you were previously issued one. Your application has been assigned the above referenced file number. Please refer to this number whenever you contact us about your application.

Even though your application has been received, filed and assigned an application reference number, no authorization has been granted to develop your water use. The filing of an application does not create a water right. Water may not be used without a water right permit.

After an application has been accepted for filing, public notification of the application is made, followed by the mandatory 30-day comment period. Thereafter, applications can be considered for processing as time allows.

At present the Water Resources Department has a backlog of several thousand applications for water use permits which has delayed our application processing time. Applications are processed in the order in which they are received.

The processing of an application does not guarantee that a water right permit will be issued. Each application must undergo a specialized analysis called a technical review and a public interest review. There is no way to determine at this time whether your particular proposed water use will be recommended for a permit.

3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

Oregon

WATER
RESOURCES
DEPARTMENT

December 21, 1993

BANDON DUNES LIMITED PARTNERSHIP
2130 LINCOLN PARK W
CHICAGO, IL 60614

REFERENCE: File(s) G-13577

We have received your application(s) for a water use permit along with your supporting data, documentation, and fees. A receipt is enclosed here unless you were previously issued one. Your application has been assigned the above referenced file number. Please refer to this number whenever you contact us about your application.

Even though your application has been received, filed and assigned an application reference number, no authorization has been granted to develop your water use. The filing of an application does not create a water right. Water may not be used without a water right permit.

After an application has been accepted for filing, public notification of the application is made, followed by the mandatory 30-day comment period. Thereafter, applications can be considered for processing as time allows.

At present the Water Resources Department has a backlog of several thousand applications for water use permits which has delayed our application processing time. Applications are processed in the order in which they are received.

The processing of an application does not guarantee that a water right permit will be issued. Each application must undergo a specialized analysis called a technical review and a public interest review. There is no way to determine at this time whether your particular proposed water use will be recommended for a permit.

3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

REFERENCE: File(s) - G-13577

When the report on the technical review is completed and sent to you, a 60-day objection period begins during which you, the applicant, or anyone who has expressed an interest in your proposed water use may communicate to us their disagreement with what we have said in our report on your application. After the 60-day objection period, the Department conducts the public interest review and considers any objections which have been made.

After any objections have been considered, there may follow time to allow parties to resolve conflicts over the proposed water use. In addition, a 30-day protest period may be required. Lastly, it may be necessary to schedule a hearing or send the application to the Water Resources Commission for their review. In most cases no objections are received and the application processing can proceed without further conflict resolution, protest, or hearing.

If your application is recommended for approval and a permit is issued, the use allowed by the permit will be subject to the Basin Program Rules of the Water Resources Commission, instream flow requirements, and the demands of prior right holders, and other conditions to conform the water use to particular standards.

Please contact the Water Rights Section of the Water Resources Department if you have any questions. You may write to us at 3850 Portland Road, Northeast, Salem, Oregon 97310 or you may call 378-3739 in Salem or toll free from within the state 1-800-624-3199.

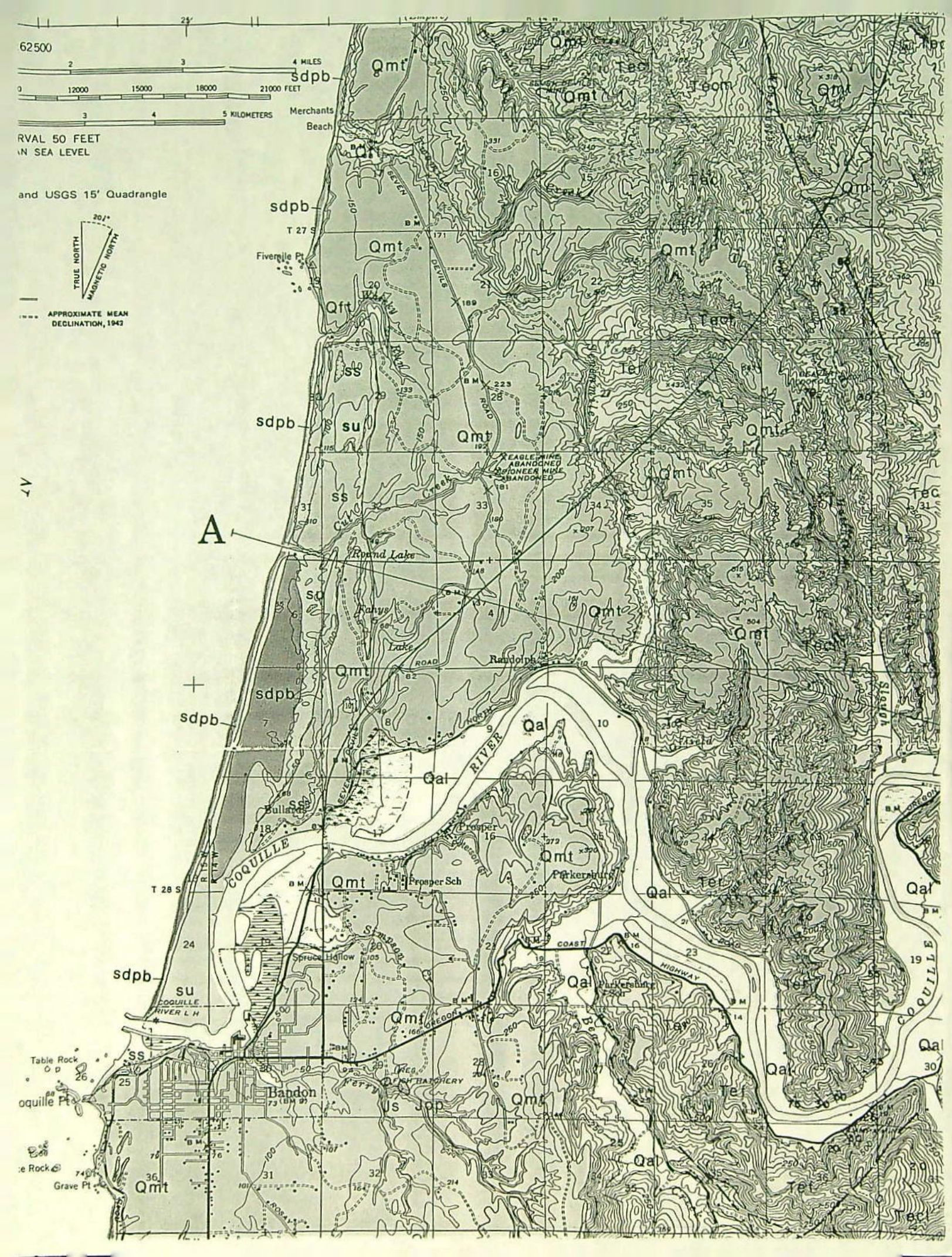
Sincerely,

Steve Brown

Steve Brown
Manager
Water Rights Division

by CKR

cc:CWRE


62500
4 MILES
21000 FEET
5 KILOMETERS
Merchants Beach
RVAL 50 FEET
N SEA LEVEL
and USGS 15' Quadrangle
TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1943
A
Fivemile Pt
Round Lake
Kahuta Lake
Randolph
Bullards
Prosper
Prosper Sch
Parkersburg
Spruce Hollow
Bandon
Table Rock
Grave Pt
COQUILLE RIVER
NORTH FORK
SEVEN DEVILS CREEK
COAST HIGHWAY
OREGON
T 27 S
T 28 S
R 14 W
sdpb
su
ss
Qft
Qal
Qmt
Tec
Teom
Tef
Tes
Tet
Js
Jsp
EAGLE MINE ABANDONED
PIONEER MINE ABANDONED

RECEIVED
DEC 17 1993
WATER RESOURCES DEPT.
SALEM, OREGON

Application No. G13577
Permit No.

91 06 0613

WARRANTY DEED

BANDON PARTNERS, a Washington General Partnership, having Alan F. Black, William M. Black, R. Duke Watson, Alan Fraser Watson, Robert Bartlett Watson and Rolfe Hunter Watson as partners, Grantor, conveys and warrants to BANDON DUNES L.P., a limited partnership of Delaware, Grantee, the following described real property free of encumbrances except as specifically set forth herein:

See Exhibit "A" attached hereto and by this reference incorporated herein.

(Tax Account Nos. 7689.00, 7695.00, 9410.01, 9414.00, 9415.00, 9416.00, 9417.00, 9418.00, 9418.01, 9418.02, 9418.03, 9419.00, 9421.00, 9422.00, 9437.00, 9437.90, 9438.00, 9439.00, 9440.00, 9441.00 and 9554.00)

THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES.

The true and actual consideration for this conveyance is the sum of $2,750,000.00.

Until a change is requested all tax statements should be sent to the following address: c/o Michael L. Keiser, Prepared Tape, Product, Inc. 2236 N. Broadway, Chicago, IL 60613

DATED this 13th day of June, 1991.

BANDON PARTNERS, a
Washington General Partnership

By _____
R. Duke Watson, Partner

STATE OF Washington)
) ss.
County of King)

June 13, 1991.

Personally appeared before me the above named R. Duke Watson, who being first duly sworn did say: That he is a partner of Bandon Partners, a Washington General Partnership; that he is authorized to execute the foregoing instrument on behalf of said

1 - Warranty Deed

91 06 13

JUN 17

Orig Cust Ex 31-27-14

Ex 31-27-14

RECEIVED
DEC 17 1993
WATER RESOURCES DEPT.
SALEM, OREGON

06. 11. 91 09:58AM -KEY TITLE

91 07 0102

24-5678.mb

AGREEMENT

THIS AGREEMENT made and entered into this 12th day of JUNE, 1991, by and between BANDON PARTNERS, a Washington general partnership, having Alan F. Black, William M. Black, R. Duke Watson, Alan Fraser Watson, Robert Bartlett Watson and Rolfe Hunter Watson as partners, hereinafter referred to as "Seller" and ~~MICHAEL KEISER~~, hereinafter referred to as "Buyer."
BANDON DUNES, L.P., a limited partnership of Delaware.

R E C I T A L S :

WHEREAS, Buyer is purchasing from Seller and Seller is selling to Buyer that certain real property described in Exhibit "A" attached hereto and by this reference incorporated herein (said real property hereinafter being referred to as the "premises"); and,

WHEREAS, the parties wish to record that portion of their sale agreement relating to future compensation to Seller in the event of sale of the premises (or any portion thereof) by Buyer within five (5) years from the date of this agreement.

NOW, THEREFORE, in consideration of the sale of the premises by Seller to Buyer and in consideration of the promises, covenants and agreements contained herein, the parties hereto agree as follows:

1. As additional consideration to Seller, Buyer agrees that Seller shall be entitled to receive fifty percent (50%) of any "Net Amount" received by Buyer from any sale or sales made within the period of five (5) years after the date of this Agreement by Buyer to an unrelated third party of all or any portion of the premises. For purposes hereof "Net Amount" shall be equal to (a) the proceeds (net of all fees and expenses related to the transaction) received by Buyer from such a sale, less (b) the sum of (i) the original cost (the "Original Cost") to Buyer of the premises (including related fees and expenses), (ii) costs of subsequent capital improvements on the premises, (iii) fees, costs and expenses incurred by Buyer relative to zoning, land use and water and mineral rights matters, (iv) all real estate taxes paid by Buyer subsequent to the closing with respect to the premises and (v) a ten percent (10%) per annum compounding rate of return to Buyer with respect to the Original Cost. As regards sales of less than the entire property, the costs, fees, expenses and accruals described in phrase "(b)" of the foregoing sentence shall be prorated on a per acre basis.

24-MILCMB

IN WITNESS WHEREOF, the parties hereto have executed this agreement on the day and year first written above.

JUL 0 8 1991

1 - Agreement

91107.2

Orig 2 . 31-27-14

31-27-14

2

RECEIVED
DEC 17 1993
WATER RESOURCES DEPT.
SALEM, OREGON

91 07 0102

SELLER:

Bandon Partners, a Washington general partnership

By: _____
R. Duke Watson

BUYER:

BANDON DUNES, L.P., a limited partnership of Delaware
BY: Cascade Ranch, Incorporated, its General Partner

By: _____
Michael Keiser, President

STATE OF _____)
) ss.
County of _____)

_____, 1991.

Personally appeared before me the above named Michael Keiser, who acknowledged the foregoing instrument to be his voluntary act and deed.

_____
Notary Public for _____
My Commission Expires: _____

STATE OF Washington)
) ss.
County of King)

June 21, 1991.

Personally appeared before me the above named R. Duke Watson, who being first duly sworn did say: That he is a partner of Bandon Partners, a Washington general partnership; that he is authorized to execute the foregoing instrument on behalf of said partnership; and he executed the foregoing instrument as the voluntary act and deed of said partnership.

JANET KAO NOTARY PUBLIC STATE OF WASHINGTON COMMISSION EXPIRES JUNE 24, 1993

_____
Notary Public for Washington
My Commission Expires: 6/24/93

RECEIVED
DEC 17 1993
WATER RESOURCES DEPT.
SALEM, OREGON

91 07 0102

STATE OF Illinois)
) ss.
County of Cook)

June 12, 1991.

Personally appeared before me the above named Michael Keiser, who being first duly sworn did say: That he is *~~a partner of BANDON DUNES, L.P., a limited partnership of Delaware~~ limited; that he is authorized to execute the foregoing instrument on behalf of said partnership; and he executed the foregoing instrument as the voluntary act and deed of said partnership. *the President of Cascade Ranch, Incorporated, the General Partner of Bandon Dunes LP, a limited partnership of Delaware.

Karen G. Thompson
Notary Public for Illinois
My Commission Expires: 8/26/92

OFFICIAL SEAL
KAREN G. THOMPSON
Notary Public, State of Illinois
My Commission Expires 8-26-92

RECEIVED
DEC 17 1993
WATER RESOURCES DEPT.
SALEM, OREGON

91 07 0102

EXHIBIT "A"

PARCEL 1:
(a) Lots 2 and 3 of Section 31, Township 27 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.

(b) The West half of the East half of the Northwest quarter of Section 32, Township 27 South, Range 14 West of the Willamette Meridian, Coos County, Oregon. EXCEPTING THEREFROM the North half of the West half of the East half of the Northwest quarter of said Section 32.

(c) The West half of the Northwest quarter of Section 32, Township 27 South, Range 14 West of the Willamette Meridian, Coos County, Oregon. EXCEPTING THEREFROM the North half of the West half of the Northwest quarter of said Section 32.

(d) The North half of the Southwest quarter of Section 32, Township 27 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.

(e) The Southwest quarter of the Southwest quarter of Section 32, Township 27 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.

(f) The Northwest quarter of the Southeast quarter of Section 32, Township 27 South, Range 14 West of the Willamette Meridian, Coos County, Oregon. EXCEPT THAT PORTION conveyed to Coos County, Oregon in Book 145, Page 381, Records of Coos County, Oregon; ALSO EXCEPTING all Land in the Lake and ALSO EXCEPTING a strip of land 100 feet in width around the entire shore line of said lake. ALSO EXCEPTING THEREFROM THE FOLLOWING:

A portion of the Northwest quarter of the Southeast quarter of Section 32, Township 27 South, Range 14 West of the Willamette Meridian, Coos County, Oregon described as follows: Beginning at a 5/8" iron rod on the South boundary of Lagoon's County Road (also known as West Humphrey's County Road), from which an iron pipe at the Northwest corner of said Southeast quarter bears North 52° 23' 41" West 1151.89 feet; thence South 0° 00' East 445.93 feet, more or less, to a point 100 feet from the shoreline of Round Lake (also known as "The Lagoon") and being a point on the East line of said parcel described in Microfilm Reel #86-05-0226/7; thence along the herein adjusted boundary, being 100 feet offset from said shorelines as follows: North 9° 18' 06" West 48.16 feet; thence North 32° 41' 27" West 53.45 feet; thence North 45° 17' 20" West 60.48 feet; thence North 49° 50' 17" West 77.83 feet; thence North 21° 03' 29" East 78.85 feet; thence North 10° 18' 33" East 39.87 feet; thence North 24° 41' 27" West 79.75 feet; thence North 69° 11' 27" West 71.67 feet; thence South 73° 48' 33" West 55.13 feet; thence South 54° 40' 23" West 63.45 feet; thence South 38° 45' 19" East 24.54 feet to a 1/2" aluminum pipe, shown as Point 5 on the Survey of Record Map 26A77, Survey Records of Coos County; thence continuing along said 100 foot offset South 64° 49' 40" West 41.22 feet (record South 65° 04' 40" West 41.09 feet); thence South 74° 20' 02" West 102.08 feet (Record South 74° 35' 57" West 101.81 feet); thence North 83° 29' 15" West 39.32 feet (Record North 83° 10' 07" West 39.24 feet) to a 3/4" iron pipe (point 8 per said Map 26A77); thence continuing North 83° 29' 15" West 2.94 feet, more or less, to a point 100 feet offset from said shoreline; thence continuing along said 100 foot offset North 34° 47' 35" East 43.44 feet; thence North 17° 18' 03" East 60.12 feet; thence North 15° 57' 45" West 54.36 feet; thence North 38° 34' 39" West 23.83 feet, more or less, to a point on the South boundary of said County Road; thence leaving said 100 foot offset South 39° 40' 59" East 458.04 feet along said County Road to the point of beginning.

EXHIBIT "A" CONTINUED NEXT PAGE

RECEIVED
DEC 17 1993
WATER RESOURCES DEPT.
SALEM, OREGON

91 07 0102

EXHIBIT "A" CONTINUED

PARCEL 1 CONTINUED:
(g) The South half of the Southeast quarter of Section 32, Township 27 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.

(h) The East half of the East half of the Northwest quarter of Section 32, Township 27 South, Range 14 West of the Willamette Meridian, Coos County, Oregon. EXCEPTING THEREFROM the North half of the East half of the East half of the Northwest quarter of said Section 32.

(i) Lot 1, Section 31, Township 27 South, Range 14 West of the Willamette Meridian, Coos County, Oregon. EXCEPT THE FOLLOWING DESCRIBED PARCEL: Beginning at the corner of Sections 5 and 6, Township 28 South, Range 14 West of the Willamette Meridian and Sections 31 and 32, Township 27 South, Range 14 West of the Willamette Meridian, Coos County, Oregon; thence West 1650 feet to the meander line of the Pacific Ocean; thence North 11° 00' East 1250 feet along said meander line to the bank of a creek; thence South 52° 00' East 350 feet up the North Bank of the Creek; thence South 57° 00' East 300 feet; thence South 86° 30' East 250 feet; thence North 72° 00' East 250 feet; thence South 70° 00' East 200 feet; thence North 87° 00' East 184 feet to the section line; thence South 853 feet to the place of beginning.

(j) Beginning at the corner of Sections 5 and 6, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon and Sections 31 and 32, Township 27 South, Range 14 West of the Willamette Meridian, Coos County, Oregon; thence West 1650 feet to the meander line of the Pacific Ocean; thence North 11° 00' East 1250 feet along said meander line to the bank of a creek; thence South 52° 00' East 350 feet up the North Bank of the Creek; thence South 57° 00' East 300 feet; thence South 86° 30' East 250 feet; thence North 72° 00' East 250 feet; thence South 70° 00' East 200 feet; thence North 87° 00' East 184 feet to the section line; thence South 853 feet to the place of beginning.

(k) The West half of the Northeast quarter of Section 32, Township 27 South, Range 14 West of the Willamette Meridian, Coos County, Oregon, EXCEPTING THEREFROM the South 10 acres. ALSO EXCEPTING THEREFROM the North half of the West half of the Northeast quarter of said Section 32.
(T27-R14-S32 TAX LOT 400)

PARCEL 2:

The South half of the South half of the Southwest quarter of the Northeast quarter of Section 32, Township 27 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.
(T27-R14-S32 TAX LOT 300)

PARCEL 3:

All that portion of the Northwest quarter of the Southwest quarter of Section 4, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon, lying Westerly of U.S. Highway 101 and Westerly of Seven Devils County Road.
(T28-R14-4 TAX LOT 1500)

EXHIBIT "A" CONTINUED NEXT PAGE

RECEIVED
DEC 17 1993
WATER RESOURCES DEPT.
SALEM, OREGON

91 07 0102

EXHIBIT "A" CONTINUED

PARCEL 4:

The Northeast quarter of the Northeast quarter of Section 5, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.
(T28-R14-S5 TAX LOT 100)

PARCEL 5:

The West half of the Northeast quarter; the Southeast quarter of the Northeast quarter; the East half of the Northeast quarter of the Northwest quarter; and the East half of the Southeast quarter of the Northwest quarter, all in Section 5, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.
(T28-R14-S5 TAX LOT 200)

PARCEL 6:

The West half of the Northeast quarter of the Northwest quarter of Section 5, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.
(T28-R14-S5 TAX LOT 300)

PARCEL 7:

(a) The East half of the Southwest quarter of Section 5, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.

(b) The West half of the Southwest quarter of the Southeast quarter of Section 5, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.

(c) The West half of the Southeast quarter of the Northwest quarter of Section 5, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.
(T28-R14-S5 TAX LOT 400)

PARCEL 8:

The Northwest quarter of the Northwest quarter (Government Lot 4) of Section 5, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.
(T28-R14-S5 TAX LOT 500)

PARCEL 9:

(a) The Southwest quarter of the Northwest quarter of Section 5, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.
EXCEPTING THEREFROM THE FOLLOWING: Beginning at the Southwest corner of the Northwest quarter of said Section 5; thence East on the quarter section line 300 feet to the point of beginning; thence East 522 feet; thence North 418 feet; thence West 522 feet; thence South 418 feet to the point of beginning, Coos County, Oregon.

EXHIBIT "A" CONTINUED NEXT PAGE

RECEIVED
DEC 17 1993
WATER RESOURCES DEPT.
SALEM, OREGON

91 07 0102

EXHIBIT "A" CONTINUED

PARCEL 9 CONTINUED

(b) The West half of the Southwest quarter of Section 5, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.
(T28-R14-S5 TAX LOTS 600, 700 AND 900)

PARCEL 10:

Beginning at the Southwest corner of the Northwest quarter of Section 5, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon; thence East on the quarter section line 300 feet to the point of beginning; thence East 522 feet; thence North 418 feet; thence West 522 feet; thence South 418 feet to the point of beginning.
(T28-R14-S5 TAX LOT 800)

PARCEL 11:

The West half of the Northwest quarter of the Southeast quarter of Section 5, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.
(T28-R14-S5 TAX LOT 1000)

PARCEL 12:

That part of the West half of the East half of the Northwest quarter of the Southeast quarter of Section 5, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon, lying North of a line running East and West through the center of what is known as Fahy Lake.
(T28-R14-S5 TAX LOT 1100)

PARCEL 13:

(a) The Northeast quarter of the Northwest quarter of Section 8, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon, LESS THE FOLLOWING DESCRIBED PROPERTY: Beginning at the Southwest corner of the Northwest quarter of the Northeast quarter of said section 8; thence East along the South line of the Northwest quarter of the Northeast quarter of said section 8, 208.7 feet; thence North parallel with the West line of the Northwest quarter of the Northeast quarter of said section 8, 417.4 feet; thence West parallel with the South line of the Northwest quarter of the Northeast quarter and the Northeast quarter of the Northwest quarter of said section 8, 417.4 feet; thence South parallel with the East line of the Northeast quarter of the Northwest quarter of said section 8, 417.4 feet to the South line of said Northeast quarter of the Northwest quarter of said Section 8; thence East along the South line of the Northeast quarter of the Northwest quarter of said section 8, 208.7 feet, more or less, to the place of beginning.

EXHIBIT "A" CONTINUED NEXT PAGE

RECEIVED
DEC 17 1993
WATER RESOURCES DEPT.
SALEM, OREGON

((91 07 0102

EXHIBIT "A" CONTINUED

PARCEL 13 CONTINUED

(b) Beginning at the Northeast corner of the Northeast quarter of the Northwest quarter of Section 8, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon; thence along the section line, Easterly 209 feet; thence Southerly, parallel with the quarter section line between the Northwest quarter and the Northeast quarter, 902.6 feet, more or less, to the Northerly line of property deeded in Volume 43, Page 404, Records of Coos County, Oregon; thence following the North line of property described in said Volume 43, Page 404, Westerly 209 feet to the quarter section line between the Northwest quarter and the Northeast quarter; thence North along said quarter section line to the place of beginning.
(T28-R14-S8 TAX LOT 10Q)

PARCEL 14:

The West half of the Northwest quarter of Section 8, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.
(T28-R14-S8 TAX LOT 200)

PARCEL 15:

The Southeast quarter of the Northwest quarter of Section 8, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon. EXCEPTING THEREFROM THAT PORTION lying within the limits of Seven Devils County Road and Fahy Road. ALSO EXCEPTING THEREFROM that portion lying Southeasterly of the Easterly boundary of Seven Devils County Road and Fahy Road.
(T28-R14-S8 TAX LOT 300)

PARCEL 16:

The West half of the Southwest quarter of Section 8, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon, EXCEPTING THEREFROM that portion of the West half of the Southwest quarter of said section 8, lying Northwesterly of U.S. Highway 101 and Westerly of a line 300 feet West of and parallel to the East line of the West half of the Southwest quarter of said section 8.
(T28-R14-S8 TAX LOT 500)

EXHIBIT "A" CONTINUED NEXT PAGE

RECEIVED
DEC 17 1993
WATER RESOURCES DEPT.
SALEM, OREGON

91 07 0102

State of Oregon
County of Coos
I, Mary Ann Wilson, County Clerk, certify the within instrument was filed for record at
2:52 PM July 9, 1991
By _____ Deputy
#pages 9 Fee's 23

EXHIBIT "A" CONTINUED

PARCEL 17:

A parcel of land situated in the Northwest quarter of the Northeast quarter and the Northeast quarter of the Northwest quarter of Section 8, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon, described as follows: Beginning at the Southwest corner of the Northwest quarter of the Northeast quarter of said section 8; thence East along the South line of the Northwest quarter of the Northeast quarter of said section 8, 208.7 feet; thence North, parallel with the West line of the Northwest quarter of the Northeast quarter of said section 8, 417.4 feet; thence West, parallel with the South line of the Northwest quarter of the Northeast quarter and the Northeast quarter of the Northwest quarter of said section 8, 417.4 feet; thence South parallel with the East line of the Northeast quarter of the Northwest quarter of said section 8, 417.4 feet to the South line of said Northeast quarter of the Northwest quarter of said section 8; thence East along the South line of the Northeast quarter of the Northwest quarter of said section 8, 208.7 feet, more or less, to the point of beginning.
(T28-R14-S8A TAX LOT 500)

PARCEL 18:

(a) The Northwest quarter of the Northwest quarter and the Southwest quarter of the Northwest quarter(Government Lot 4) of Section 17, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon, EXCEPTING THEREFROM that portion lying within the limits of U.S. Highway 101 or Seven Devils County Road. ALSO EXCEPTING THEREFROM that portion of the Northwest quarter of the Northwest quarter of said Section 17 lying Southeasterly of the Easterly boundary of the Seven Devils County Road.

(b) The Tidelands fronting the Southwest quarter of the Northwest quarter (Government Lot 4), of Section 17, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon.
(T28-R14-S17 TAX LOT 200)

THERE IS EXCEPTED FROM PARCEL 7b AND PARCEL 11 ABOVE THE FOLLOWING DESCRIBED TRACT:

A parcel of land 100 feet wide running North and South in the West half of the Southeast quarter of Section 5, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon, more particularly described as follows:

Beginning at a 1" pipe on the Section line between Sections 5 and 8, Township 28 South, Range 14 West of the Willamette Meridian, Coos County, Oregon, which pipe is located South 89° 23' East 555.71 feet from the quarter section corner between Sections 5 and 8; thence South 89° 23' East 100.00 feet along said section line between Sections 5 and 8; thence Northward along the line through the center of the West half of the Southeast quarter of said Section 5, 1320 feet, more or less, to the South edge of Fahy Lake; thence Westward 100.00 feet, more or less along the said South edge of Fahy Lake; thence Southward parallel with the line through the center of the said West half of the Southeast quarter of Section 5, to the point of beginning. EXCEPTING THEREFROM that portion lying South of the North right of way edge of the old Seven Devils Road.

APPLICATION PROCESSING CONTROL APPLICATION FILE # G13577
PRIORITY DATE _____

DATE	INITIALS	MINIMUM REQUIREMENTS TO FILE
12-17-93	KC	Name and mailing address
		Source of water
		Quantity of water
		Location of project
		Use of water
		Signature of applicant
		Allowable use by policy
		State Engineer withdrawal
		Legislative withdrawal
		Land use approved _____ pending ✓

FIELD OPERATIONS

			YES	NO
		Application date stamped per money receipt date		
1/4/94	DLD	Stream Indexed BASIN 17		
		Stream Code _____		
		Scenic Waterway _____		
		Findings:		
		1) Concluded - Scenic-Reg Ack letter		
		2) Under Study - Scenic-Ack letter		
		3) Basin 2 - Willamette-Ack letter		
1/20/94	DLD	Plat Carded and copy made	(YES)	NO
		Conflicts (well _____surface_____)	___	___
		Prior ISWR # _____	___	___
		Within Irrigation District _____ (name)		
		Notified	___	___
		District excerpt received	___	___
		Entered in Paradox		
		Prepare six copies of Draft Permit		
		Send one copy to Data Center		

SUPPORT SERVICES

12/22/93	CAA	Stamp contents with application number
		Mail/Provide copies of draft permits to DEQ, ODFW, PARKS, AND WATERMASTER
"	"	Mail ack letter (provided by Data Center) with receipt to applicant, cc to CWRE and file
"	"	Place label on file and card
✓	✓	If dam is over 10 feet or storage exceeds 9.2 AC-FT, route file to Dam Safety Section
✓		Notify Irrigation District

FIELD OPERATIONS

			YES	NO
		Ownership Statement	___	___
		Name and address of all owners	___	___
		Other landowners notified	___	___
		Legal Description	___	___
		Need Commission review	___	___
		____ Requests greater than 5.0 cfs		
		____ Dam height greater than 20 feet		
		____ Storage greater than 100 acre-feet		
		____ Out of Basin diversion		
		____ Groundwater recharge project		
		____ Other substantial public interest		
		GW comments received _____ resolved _____		
		ODFW comments received _____ resolved _____		
		DEQ comments received _____ resolved _____		
		Interest Groups _____		
		Water availability received		
		Objections received _____ resolved _____		
		Protest received _____ resolved _____		
		Management Codes		

EXAMINATION FEE: _____
RECORDING FEE: _____
TOTAL: _____
REFUND: _____
DEFICIENT: _____

REMARKS: _____

Cad Information
Model Space M-
Main File COMB

Plot Date 7/14/97
Paper Space P1
Xreference XREF.DWG

Project BANDON COASTAL DUNE
Project Manager S. HUGHES
Designed by G. HUGHES Job No. XXX
Drawn by C. BURK Sheet No. 1 O



Sheet Number 1 OF 1

Date 7/14/97
Job Number XXX
Design by S. HUGHES
Drawn by C. BURK
Checked by S. HUGHES

No	Description of Revisions	Date	Name

BANDON COASTAL DUNES

FLOODWAY DESIGN

EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

613577

USER-ID 28099

2000 Oregon Water Resources Department 2001

October 1999 through September 2000
Annual Water Use - Monthly Quantities Form

Facility ☞ POD-ID ✏	47809	47813	47811	47810	47814
October - 2000					0
November - 2000					
December - 2000					
January - 2001					
February - 2001					
March - 2001					
April - 2001	2300				
May - 2001	3700				
June - 2001	3200				95979
July - 2001	2800				71902
August - 2001	2800				40896
September - 2001	2800				53075
TOTAL *					

x100 ?

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: _____. If use is irrigation, total number acres irrigated _____

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

_____ Signature

_____ Title

_____ Reporting Entity

_____ Date

_____ Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
158 12th Street NE; Salem, OR 97310-0210

Hi
This is a copy of our file Copy
Thanks

RECEIVED
APR 30 2002
WATER RESOURCES DEPT.
SALEM, OREGON

498 App 6 13577

USER-ID 28099

2001

Oregon Water Resources Department
October 2000 through September 2001
Annual Water Use - Monthly Quantities Form

WRD

New Transfer

		47812	47811	47810	47814
		Well 09	PW Supply LZ5195	Well ID L10847	WELL ID 10848	WELL ID L18620
October	- 2000		558400	20117	351778	421256 - 0
November	- 2000		5814900			
December	- 2000		6098100			
January	- 2001		6353700			
February	- 2001		6509280			
March	- 2001		6820360			
April	- 2001	2,300	7144800	206986	389485	421256 - 0
May	- 2001	3,700	7403800	50126	365095	421256 - 0
June	- 2001	3,200	7268900	60986	485036	517235
July	- 2001	2800	8106000			89137
August	- 2001	2800	8536800	331609	588302	630133
September	- 2001	2800	9106600	597795	606470	683208
TOTAL *		17,600	85485200	41,218,600	24,695,800	26195

RECEIVED
APR 30 2002
WATER RESOURCES DEPT.
SALEM, OREGON

59479
1,902
40996
53075
77

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Meter. If use is irrigation, total number acres irrigated 120 + 50 = 170

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

Warren D Felton	UTILITIES MGR	BANDON DUNES	01/29/02
Signature	Title	Reporting Entity	Date

Permit 13498 Apf G 13577

2000

Oregon Water Resources Department
October 2000 through September 2001
Annual Water Use - Monthly Quantities Form

USER-ID 28099

2001

WRD

47813 47817 47818 47814

Facility ☞ POD-ID ✏	Shuman well 47809	PW Supply L25195	Well ID L10847	WELL ID 10848	WELL ID L18620
October - 2000		5584000	202117	351778	421256 - 0
November - 2000		5814900			
December - 2000		6098100			
January - 2001		6353700			
February - 2001		6509280			
March - 2001		6820300			
April - 2001	2,300	7144800	206986	389485	421256 - 0
May - 2001	3,700	7403800	50126	365095	421256 - 0
June - 2001	3,200	7268900	60986	450536	517235
July - 2001	2800	8106000			59137
August - 2001	2800	8536800	331609	588302	630133
September - 2001	2800	9106600	597795	606470	683208
TOTAL *	17,600	8548200	41,218,600	24,695,500	26195

New Transfer

file copy

RECEIVED
APR 30 2002
WATER RESOURCES DEPT
SALEM, OREGON

9 5979
7 1,902
40996
53075

77

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Meter. If use is irrigation, total number acres irrigated 120 + 50 = 170

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

Warren D Felton — Signature
UTILITIES MGR — Title
BANDON DUNES — Reporting Entity
01/29/02 — Date

EGR & Associates, Inc.

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

T-8861

July 16, 2001

RECEIVED
JUL 16 2001
WATER RESOURCES DEPT
SALEM, OR

Mr. Kelly Starnes
Water Rights Specialist
Water Resource Department
158 NE 12th Street
Salem, Oregon 97301-4172

RE: Amendments to Bandon Dunes Permit (#G-13498)

Dear Mr. Starnes:

Please note that Bandon Dunes wishes to amend the current water use permit (#G-13498). Enclosed you will find an application for a water right transfer, the Land Use Information Form, and five attachments. The five attachments supply supplemental information for the application; specifically:

- the currently permitted well locations (including map)
- the location of the current authorized place of use (including map)
- the location of the proposed points of appropriation (including map)
- the proposed changes in place of use (including map)
- and the well logs associated with the proposed points of appropriation.

We would like to also use this opportunity to note that a portion of the area to be irrigated has now been determined, and some areas are definitely to be excluded (not irrigated). Based on that determination, we anticipate that we will proof survey a portion of the permitted 500 acres, and remove those acres that will definitely not be irrigated, thus excluding them from future consideration. Therefore, we may wish to make some future adjustments to the other areas to be considered for possible irrigation for this permit; always keeping the total acreage under consideration at 1024.5 and the total of irrigated acres at 500 or less.

Once the final plans for the site are complete, and we have developed sufficient information on the long-term viability of the water supply, a new application for additional water rights may be submitted in the future. Additional water rights, if applied for, would be for irrigation in order to complete projects that the originally permitted 500 acres may not fully cover. We fully expect to have the information necessary from our monitoring of groundwater through the current permit to realistically balance water supply availability with the appropriate level of use.

Thank you for your assistance in these matters. We appreciate the degree of help and responsibility WRD has exhibited in this permitting process. If you have any questions or comments please feel free to contact me at (541)688-8322.

Sincerely,

Ralph Christensen, RPG
Senior Geologist,
EGR & Associates, Inc.

cc: Howard McKee (Bandon), Doug Woodcock (WRD)

E:\0910 BCD\99 Water Rights & Transfers\0910-99-01467_16_01_Letter to Howard - WRD re permit modificaton June 29.doc

T8861

WRT-1 Mar 2 1999

State of Oregon
Water Resources Department
158 12th Street NE, Salem, OR 97310
(503)378-8455 • (800)624-3199
www.wrd.state.or.us

Application for Water Right
Transfer

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. If any requested information does not apply to your application, insert "n/a." Please read and refer to the instructions when completing your application. Thank you.

APPLICATION FOR:

Please check one

☐ Water Right Transfer ☐ Temporary Transfer ☒ Permit Amendment
☐ Historic Point of Diversion Change ☐ Government Action Point of Diversion

1. APPLICANT INFORMATION

Name: Bandon Dunes Limited Partnership
First Last

Address: c/o Howard McKee 2130 Lincoln Park West

Chicago IL 60614
City State Zip

Phone: (773)-281-0652
Home Work Other

*Fax: (773)-281-1051 *E-Mail address: hlmckee@aol.com

**Optional information*

2. TYPE OF CHANGE

☐ Use ☒ Place of Use ☐ Point of Diversion ☒ Point of Appropriation

Reason for change: Potential golf course construction to the North
(total acreage under irrigation to remain the same)

Is the land within an irrigation or other water district? ☐ Yes ☒ No

If yes, include district name: _____

For Department Use

App. No._____ Permit No._____ Date_____

T.8861

3. CURRENT WATER RIGHT INFORMATION

Name on Permit, Certificate, or Decree: Bandon Dunes Limited Partnership

Decree: _____
[X Not applicable]

Permit Number: G-13498 [☐ Not applicable]

Certificate Number: _____ [☐ Not applicable]

Priority Date: December 17, 1993

Authorized Use: Irrigation 500 acres year-round Commercial use, Domestic use (500 homes)

Source of Water: Groundwater

County: Coos County

Are there other sources listed on the water right? ☐ Yes ☒ No

Location of Authorized Point of Diversion or Point of Appropriation:

Coordinates (from recognized survey corner)	1/4 1/4 Section	Section	Township	Range
The currently permitted wells and their locations are supplied as Attachment A				

Location of Authorized Place of Use:

Township	Range	Section	Government Lot or DIC	1/4 1/4 Section	Tax Lot Number	Acres (if appropriate)
Currently permitted authorized place of use is supplied in Attachment B						

Are there other lands described in the water right? ☐ Yes ☒ No

Are there other water rights or permits associated with this land? ☐ Yes ☒ No
If yes, include a copy of all rights or permits.

Description of general delivery system *(ditch measurements, pump size, number of sprinklers, etc.)*:
Ten wells in the Cut Creek basin and Pacific Ocean discharge zone; wells pump to two holding ponds for night time water application. In-ground irrigation system to irrigate 500 acres of golf courses and driving ranges located within proposed place of use; utilizes a constant pressure system and zoned watering. Water for commercial use is installed with 12" mains and 4" to 6" laterals.

System capacity (in cfs): 3.55 cfs

T 8861

4. PROPOSED CHANGES TO THE WATER RIGHT

☐ **Change in Use:**

Proposed use: N/A

☒ **Change in Point of Diversion or Point of Appropriation:**

☒ Change

Old point of diversion or point of appropriation will not be used for this portion of the water right.

☒ Additional

Both old and new points of diversion or points of appropriation will be used for this portion of the water right.

Location of Proposed Point of Diversion or Point of Appropriation

Coordinates (from recognized survey corner)	1/4 1/4 Section	Section	Township	Range
The locations of the 4 proposed new points of appropriation are supplied in				
Attachment C				

☒ **Change in Place of Use:**

Location of Proposed Place of Use

Township	Range	Section	Government Lot or DIC	1/4 1/4 Section	Tax Lot Number	Acres (if appropriate)
The proposed changes in the place of use are supplied in Attachment D						

Remarks: The transfer does not request an increased in quantity of water (rate or duty) acreage irrigated, nor an increase in place of use acreage.

T 8861

5. LAND OWNERSHIP

Use/Place of Use

Answer only if for change in **Use** or **Place of Use.**

Are the lands free of encumbrances? ☒ Yes ☐ No

If no, name of encumbrance holder: _____

If no, application must include written permission for the transfer from the encumbrance holder.

Landowners

This section does not apply to water delivery entities authorized to act on behalf of their members, making permit amendment requests, or requests for changes in point of diversion or point of appropriation only.

Answer only if applicant is **not** the landowner.

Landowners: _____
(List all landowners shown on deed.)

Address(es): _____

_____
City State Zip

Application must include notarized statements from all landowners shown on deed giving permission for the transfer. Use an extra sheet if necessary.

Receiving Landowner

Answer only if the receiving landowner is **not** the original landowner or the applicant.

Name: _____

Address: _____

_____
City State Zip

☐ The Department's records should be changed to show this landowner is responsible for completion of the changes. All notices and correspondence should be sent to this landowner.

☐ Applicant will remain responsible for completion of changes. Notices and correspondence should continue to be sent to applicant.

T 8861

6. EXHIBITS

Application may be rejected if all appropriate exhibits are not enclosed.

Land Use Information Form:

☒ Enclosed

Not needed: (must meet the following four requirements)

1. In EFU zone or irrigation district.
2. Change in place of use only.
3. No structural changes needed, including diversion works, delivery facilities, other structures.
4. Irrigation only.

☒ List all affected governments (city, county, state, tribal, federal):

Coos County

Map:

Water Right Transfer: *Must be prepared by a Certified Water Right Examiner.*

☒ All others: *Need not be prepared by a Certified Water Right Examiner.*

Deed:

☐ Must accompany all applications, except permit amendment requests.

Evidence of use within last five years, or not subject to forfeiture:

☐ Best evidence is an affidavit from a knowledgeable person describing the water use. Statements saying water was delivered or assessments/fees were paid are insufficient. Evidence must show actual use of the water for the authorized purpose, in the authorized place of use.

Water Well Reports:

☒ If application is for a change in point of appropriation or change from surface water to ground water, attach copies of all water well reports. If reports are not available, describe construction details including well depth, static water level, and information necessary to establish the ground water body developed or proposed to be developed.

Fees:

☒ Amount enclosed $ 200

See instruction book for fee schedule.

7. SIGNATURE

I (we) swear that I (we) have read the above application and the statements made are true and accurate.

applicant signature	name (print)	date
Howard C. McKee	Howard C. McKee	7/12/01

Before you submit your application be sure you have:

- Answered each question completely.
- Attached a legible map which includes township, range, section, quarter/quarter and tax lot number.
- Included the necessary exhibits.
- Included a check payable to the Oregon Water Resources Department for the appropriate amount.

T 8861

Planning Official Initials_____

Description of Water Use

Note to Applicant: This sheet will provide local planning staff with a basic description of your proposed water use. Please fill out this sheet before bringing the attached land use form to your local planning office. It will help local planning offices complete your land use information form quickly.

Note to Local Planning Officials: Please initial this sheet. Do not separate it from the land use information form. If needed, please make a separate copy for your records.

Applicant Name: Bandon Dunes Limited Partnership
Address: c/o Howard McKee
2130 Lincoln Park West
Chicago, IL 60614
Phone: (773)-281-0652

Please indicate what you will use the water for. Check **all** boxes that apply and fill in the blanks with key characteristics of the project

- ☒ Irrigation (crop type, golf course, nursery or greenhouse): Golf Course
- ☐ Livestock (type of livestock, feedlot, slaughterhouse): _____
- ☒ Residential (# units, single or multi-family, # lots if partition or subdivision): 500 Dwellings (possible)
- ☒ Commercial (i.e., retail, office, restaurant, gas station, hotel service, etc): Club house, Restaurants Shops, Overnight units
- ☐ Industrial (i.e., factory, pulp mill, research and development, processing, etc): _____
- ☐ Institutional (i.e., school, library, etc): _____
- ☐ Mining (aggregate, metal, open pit, placer, etc.): _____
- ☐ Recreation (park, campsite, pond, etc.): _____
- ☐ Fish and Wildlife (pond, hatchery, etc.): _____
- ☐ Hydropower (dam, reservoir, power generating or transmitting facilities): _____
- ☐ Other (Name and list key characteristics): _____

Indicate sources for the proposed water use below	Indicate the estimated quantity of water the use will require
☐ Surface water Name sources: _____ _____ _____ ☐ Reservoir or pond ☒ Ground Water	3.55 Cubic feet per second _____ Gallons per minute _____ Acre-feet

Water Resources Department
Commerce Building
158 12th Street NE
Salem, OR 97310-0210

Land use

T 8861

Land Use Information Form: Water Right **Transfers**, Use of Conserved Water, Exchanges

This information is needed to determine compatibility with local comprehensive plans as required by ORS 197.180. The Water Resources Department will use this and other information to evaluate the water use application. **DO NOT FILL OUT THIS FORM IF**: 1) Water is to be diverted, conveyed, and or used only on federal lands; or 2) if ALL OF THE FOLLOWING APPLY: a) the application is for a change in the place of use, b) there are no structural changes, c) the use is irrigation, and d) the use is located in irrigation districts or exclusive farm use zones.

Applicant's Name: Bandon Dunes Limited Partbership
Address c/o Howard McKee, 2130 Lincoln Park West
City: Chicago State: IL Zip: 60614 Day Phone (773)-281-0652

Please provide information as requested below for all tax lots on or through which water will be diverted or used. (Attach extra sheets as necessary.) Applicants for municipal use may substitute existing and proposed service area boundaries for the tax lot information requested below.

(CHECK ALL THAT APPLY)

TAX LOT LOCAL ID #	PLAN DESIGNATION/ZONING (e.g. Rural Residential/RR-5)	WATER DIVERTED	WATER CONVEYED	WATER USE

Please list all counties and cities within which water is proposed to be diverted, conveyed, and/or used.

The following section must be completed by a planning official from each county and city listed **unless** your project will be located entirely within the city limits. In this case, only the city planning agency must complete this form. Please request additional forms as needed.

==========

For Local Government Use Only

Local government planning officials are to complete the remainder of the form and return it to the applicant for inclusion in the application.

a) Check the appropriate box below and provide requested information.

☐ Land uses to be served by proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan.
Cite applicable ordinance section(s); _____. Go to section b) on reverse side.

☐ Land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals as listed in the table below. Note: Please attach documentation of applicable local land use approvals which have already been obtained. (Record of Action plus accompanying findings is sufficient.)

(CHECK THE BOX THAT APPLIES)

Type of Land Use Approval Needed (e.g. Plan amendments, rezones, conditional use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Already Obtained	Already Denied	Being Pursued Satisfactorily

6/97

Land use

T 8861

Land Use Information Form: Water Right **Transfers**, Use of Conserved Water, Exchanges

This information is needed to determine compatibility with local comprehensive plans as required by ORS 197.180. The Water Resources Department will use this and other information to evaluate the water use application. **DO NOT FILL OUT THIS FORM IF**: 1) Water is to be diverted, conveyed, and or used only on federal lands; or 2) if ALL OF THE FOLLOWING APPLY: a) the application is for a change in the place of use, b) there are no structural changes, c) the use is irrigation, and d) the use is located in irrigation districts or exclusive farm use zones.

Applicant's Name: _____

Address _____

City: _____ State: _____ Zip: _____ Day Phone _____

Please provide information as requested below for all tax lots on or through which water will be diverted or used. (Attach extra sheets as necessary.) Applicants for municipal use may substitute existing and proposed service area boundaries for the tax lot information requested below.

(CHECK ALL THAT APPLY)

TAX LOT LOCAL ID #	PLAN DESIGNATION/ZONING (e.g. Rural Residential/RR-5)	WATER DIVERTED	WATER CONVEYED	WATER USE

Please list all counties and cities within which water is proposed to be diverted, conveyed, and/or used.

The following section must be completed by a planning official from each county and city listed **unless** your project will be located entirely within the city limits. In this case, only the city planning agency must complete this form. Please request additional forms as needed.

For Local Government Use Only

Local government planning officials are to complete the remainder of the form and return it to the applicant for inclusion in the application.

a) Check the appropriate box below and provide requested information.

☒ Land uses to be served by proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan.
Cite applicable ordinance section(s); _____. Go to section b) on reverse side.

☐ Land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals as listed in the table below. Note: Please attach documentation of applicable local land use approvals which have already been obtained. (Record of Action plus accompanying findings is sufficient.)

(CHECK THE BOX THAT APPLIES)

Type of Land Use Approval Needed (e.g. Plan amendments, rezones, conditional use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Already Obtained	Already Denied	Being Pursued Satisfactorily

6/97

Land use

T 8861

b) Please provide printed name and written signature.

Name: Patty EVERNDEN Date: 7-12-01

Title: DIRECTOR Phone: 541-396-3121

Signature: Patty Evernden

Local governments are invited to express special land use concerns or make recommendation to the Department regarding this proposed use of water below, or on a separate sheet.

Additional Comments:

Water Resources Department
158 12th Street NE
Salem, OR 97310
(503) 378-3739

6/97 glo

Land use

T 8861

Tax Lots Through Which Water will be Diverted, Conveyed, or Used

TAX MAP	TAX LOT LOCAL ID#	PLAN DESIGNATION/ZONING	WATER DIVERTED	WATER CONVEYED	WATER USE
27-14-20	500	F (Conditional Use)		X	X
27-14-29	300	F (Conditional Use)			X
	400	F (Conditional Use)			X
	600	F (Conditional Use)			X
	601	F (Conditional Use)			X
	1100	F (Conditional Use)	X	X	
	1200	F (Conditional Use)	X	X	X
	1300	F (Conditional Use)	X	X	X
	1400	F (Conditional Use)	X	X	X
27-14-32	400	BDR2 (Bandon Dunes Resort Zone)			X
	401	BDR2 (Bandon Dunes Resort Zone)	X	X	X
28-14-5	100	BDR2 (Bandon Dunes Resort Zone)			X
	200	BDR2 (Bandon Dunes Resort Zone)			X
	500	BDR2 (Bandon Dunes Resort Zone)	X	X	
	600	BDR2 (Bandon Dunes Resort Zone)	X	X	
	1000	BDR2 (Bandon Dunes Resort Zone)			X
	1100	BDR2 (Bandon Dunes Resort Zone)			X
	1200	BDR2 (Bandon Dunes Resort Zone)			X

NOTE: The golf course irrigation is an accepted conditional use in the F-zone areas.

NOTE ALSO: Attached is a list of all properties currently under Mr. Kaiser's control related to the Bandon Dunes project. While registered under several names, they are all under the control of Mr. Kaiser and therefore no easements will be required.

T 8861

Zoned F (Forestry)
Ownership: Bally Bandon L.P.

27-14-20 401-600
200 500-600-800-900-700
2000 400-

27-14-29 400-300-200-100
600-601-700-1100-1200-1300-1400
1700

Human line

Zoned RR (Bandon Dunes Resort Zone)
Ownership: Bandon Dunes L.P.

27-14-32 401-400-300-600-601-602-603

28-14-5 100-200-300-400-500-600-700
800-900-*1300-1200-1100-1000

28-14-8 100-200-300-500-~~501~~-601-

Tax lot #s for all property

*Tax lot # 1300 is in the name of Michael L. Keiser

All property is owned by Michael Keiser; deeds are recorded in various partnerships as noted.

T 8861

Attachment A: Currently Permitted Well Locations

T 8861

The currently permitted well names and locations, as they appear in Permit #G-13498, are as follows:

POINT OF DIVERSION LOCATION: NE ¼ NW ¼, NW ¼ NW ¼, SW ¼ NW ¼, SECTION 32, T27S, R14W, W.M., NW ¼ NW ¼, SW ¼ NW ¼, SECTION 5 T28S, R14W, W.M.

EXISTING WELLS ON PERMIT

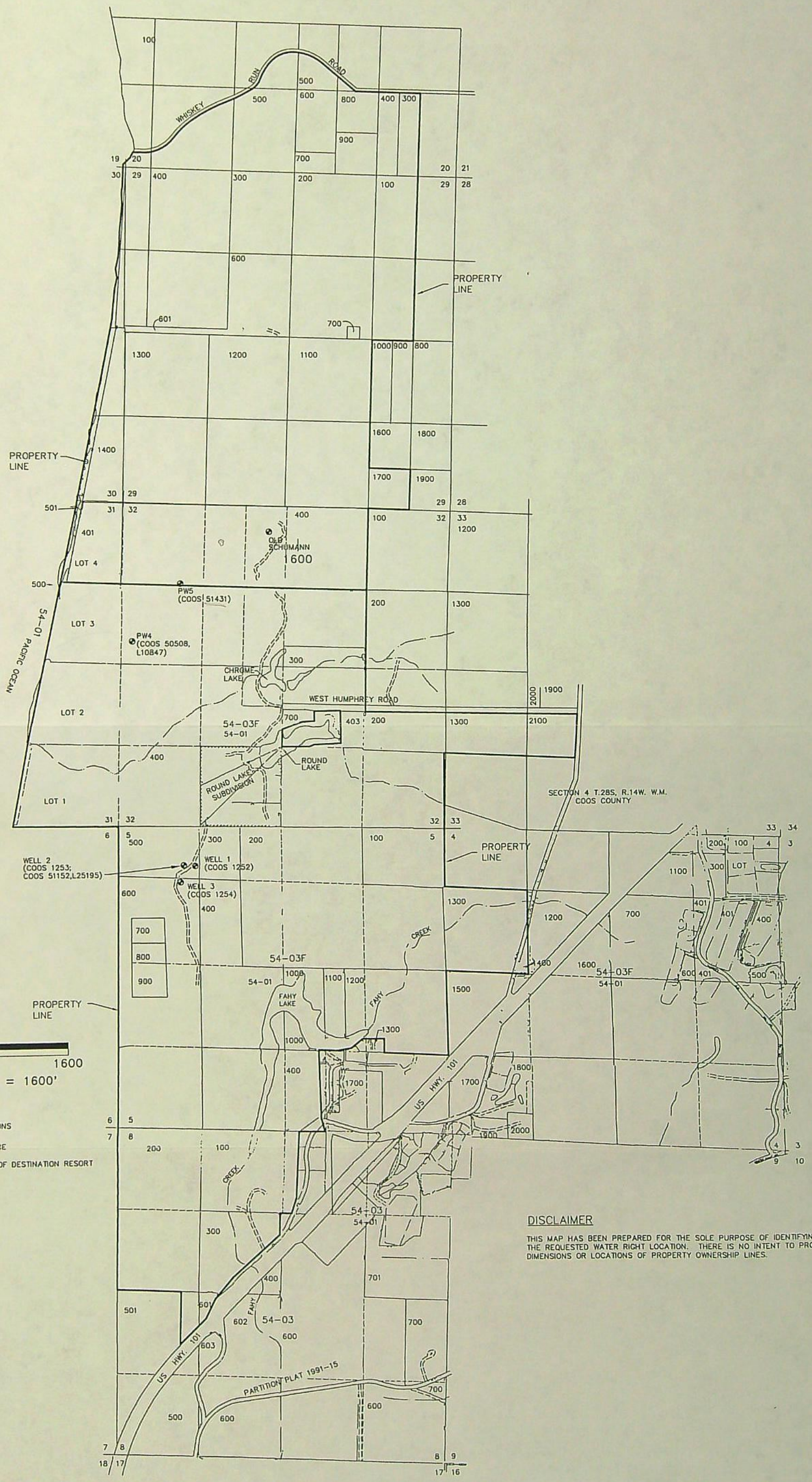
Well Name	Well Location	Referenced from
SCHUMANN WELL (COOS 330)	417 SOUTH AND 283 FEET WEST	N1/4 CORNER SECTION 32
PW5 (COOS 51431)	27 FEET NORTH AND 382 FEET WEST	NW1/16 CORNER, SECTION 32
PW4 (COOS 50508; L10847)	377 FEET NORTH AND 173 FEET EAST	W1/4 CORNER, SECTION 32
WELL 1 (COOS 1252)	641 FEET SOUTH AND 69 FEET WEST	W1/16 CORNER BETWEEN SECTION 5 AND 32
WELL 2 (COOS 1253; COOS 51152, L25195)	632 FEET SOUTH AND 254 FEET WEST	W1/16 CORNER BETWEEN SECTION 5 AND 32
WELL 3 (COOS 1254)	61 FEET SOUTH AND 303 FEET WEST	NW1/16 CORNER, SECTION 5

All well locations are depicted on the following figure.

Please note that two changes are being requested of the information associated with the Schumann Well. The requested changes are:

1) The name of the Schumann Well be changed in the permit to reflect the correct spelling as recorded in the well log. The name, as spelled in the well log (COOS 330) should be "Shuman".
2) The location of the well, as determined by a recent survey has changed. The specific location is described in *Attachment C: Location of Proposed Points of Appropriation*.

S:\Projects\BANDON\DIGITIZE\waterap.dwg Jul 16, 2001 - 9:48am LAYOUT=FIG 1 11x17



DISCLAIMER

THIS MAP HAS BEEN PREPARED FOR THE SOLE PURPOSE OF IDENTIFYING THE REQUESTED WATER RIGHT LOCATION. THERE IS NO INTENT TO PROVIDE DIMENSIONS OR LOCATIONS OF PROPERTY OWNERSHIP LINES.

PREPARED BY:

EGR & Associates, Inc.

Engineers and Geologists

25358 Prairie Road
Eugene, Oregon 97402

(541) 688-8322
Fax (541) 688-8087

T 8861

T 8861

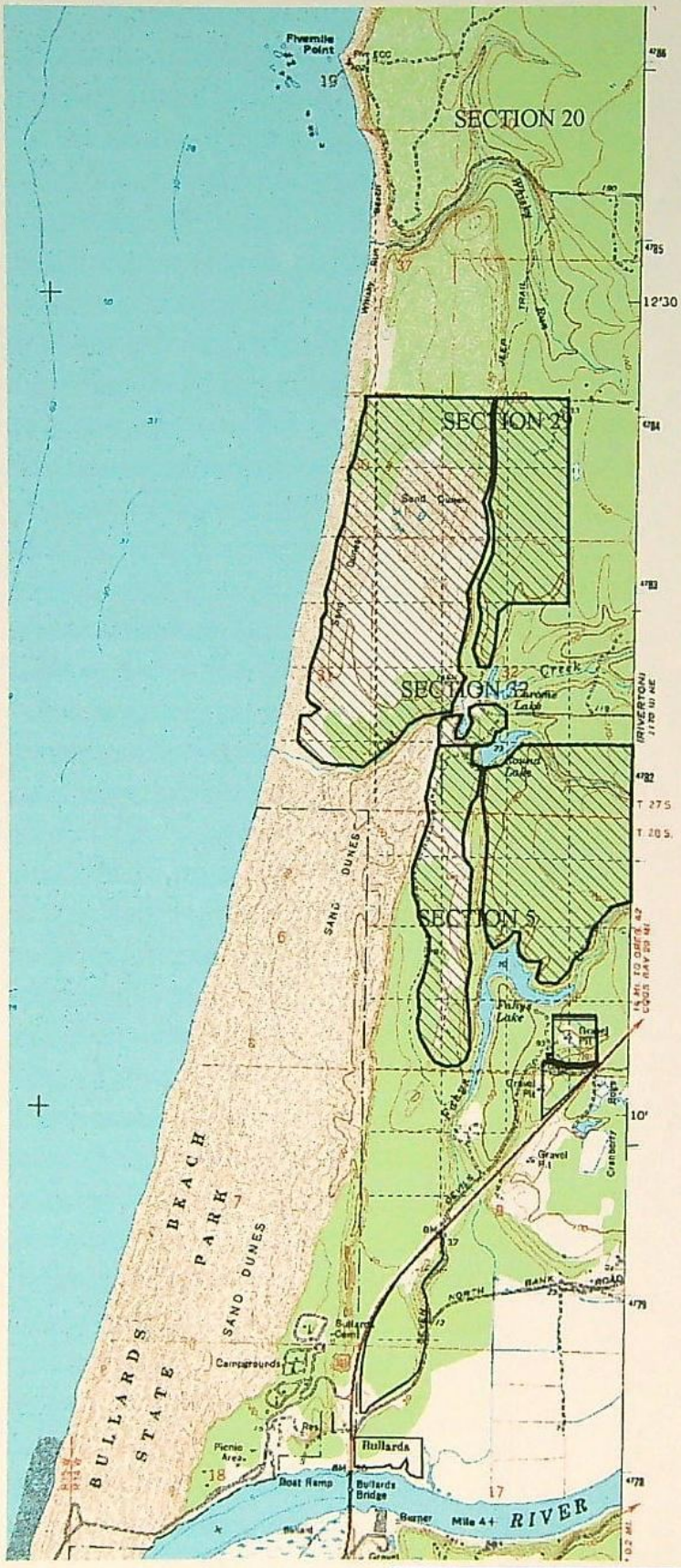
Attachment B: Location of Authorized Place of Use

T 8861

Currently Permitted Place of Use

LOCATION OF AUTHORIZED PLACE OF USE							
TOWNSHIP	RANGE	SECTION	1/4	1/4	IRRIGATED ACRES	SUPPLEMENTAL IRRIGATION	COMMERCIAL
27S	R14W W.M.	29	NE	SW	39.1		
27S	R14W W.M.	29	NW	SW	40.0		
27S	R14W W.M.	29	SW	SW	40.0		
27S	R14W W.M.	29	SE	SW	38.4		X
27S	R14W W.M.	29	NW	SE	40.0		
27S	R14W W.M.	29	SW	SE	40.0		
27S	R14W W.M.	30	NE	SE	12.0		
27S	R14W W.M.	30	SE	SE	18.0		
27S	R14W W.M.	31	NE	NE	27.1		
27S	R14W W.M.	31	SE	NE	33.6		
27S	R14W W.M.	31	NE	SE	45.8		
27S	R14W W.M.	31	SE	SE	12.5		
27S	R14W W.M.	32	NW	NE	40.0		
27S	R14W W.M.	32	NE	NW	34.8		X
27S	R14W W.M.	32	NW	NW	40.0		
27S	R14W W.M.	32	SW	NW	40.0		
27S	R14W W.M.	32	SE	NW	21.5		X
27S	R14W W.M.	32	NE	SW	22.3		X
27S	R14W W.M.	32	NW	SW	36.8		X
27S	R14W W.M.	32	SW	SW	5.0		X
27S	R14W W.M.	32	SE	SW	33.6		X
27S	R14W W.M.	32	NW	SE	0.5		X
27S	R14W W.M.	32	SW	SE	36.1		
27S	R14W W.M.	32	SE	SE	40.0		
28S	R14W W.M.	5	NE	NE	29.4		
28S	R14W W.M.	5	NW	NE	28.11	0.29	
28S	R14W W.M.	5	SW	NE	39.85	0.15	
28S	R14W W.M.	5	SE	NE	35.42	0.38	
28S	R14W W.M.	5	NE	NW	19.3		
28S	R14W W.M.	5	NW	NW	6.5		
28S	R14W W.M.	5	SW	NW	10.8		
28S	R14W W.M.	5	SE	NW	32.1		
28S	R14W W.M.	5	NE	SW	21.8		
28S	R14W W.M.	5	NW	SW	9.0		
28S	R14W W.M.	5	SW	SW	10.0		
28S	R14W W.M.	5	SE	SW	17.0		
28S	R14W W.M.	5	NE	SE	9.3		
28S	R14W W.M.	5	NW	SE	18.0		
28S	R14W W.M.	8	NW	NE			X
28S	R14W W.M.	8	NE	NW			X
TOTAL ORIGINAL IRRIGATION ACREAGE*:					1024.5	acres	
*USE OF WATER FOR IRRIGATION LIMITED TO A 500.0 ACRE DEVELOPMENT OF THE							
POTENTIAL	1024.5	ACRES IDENTIFIED IN PLACE OF USE.					

T 8861



N

Original Irrigation Area

Quarter-Quarter Section Lines

one mile

Scale: 1" = 3500'

#0910-01-0146

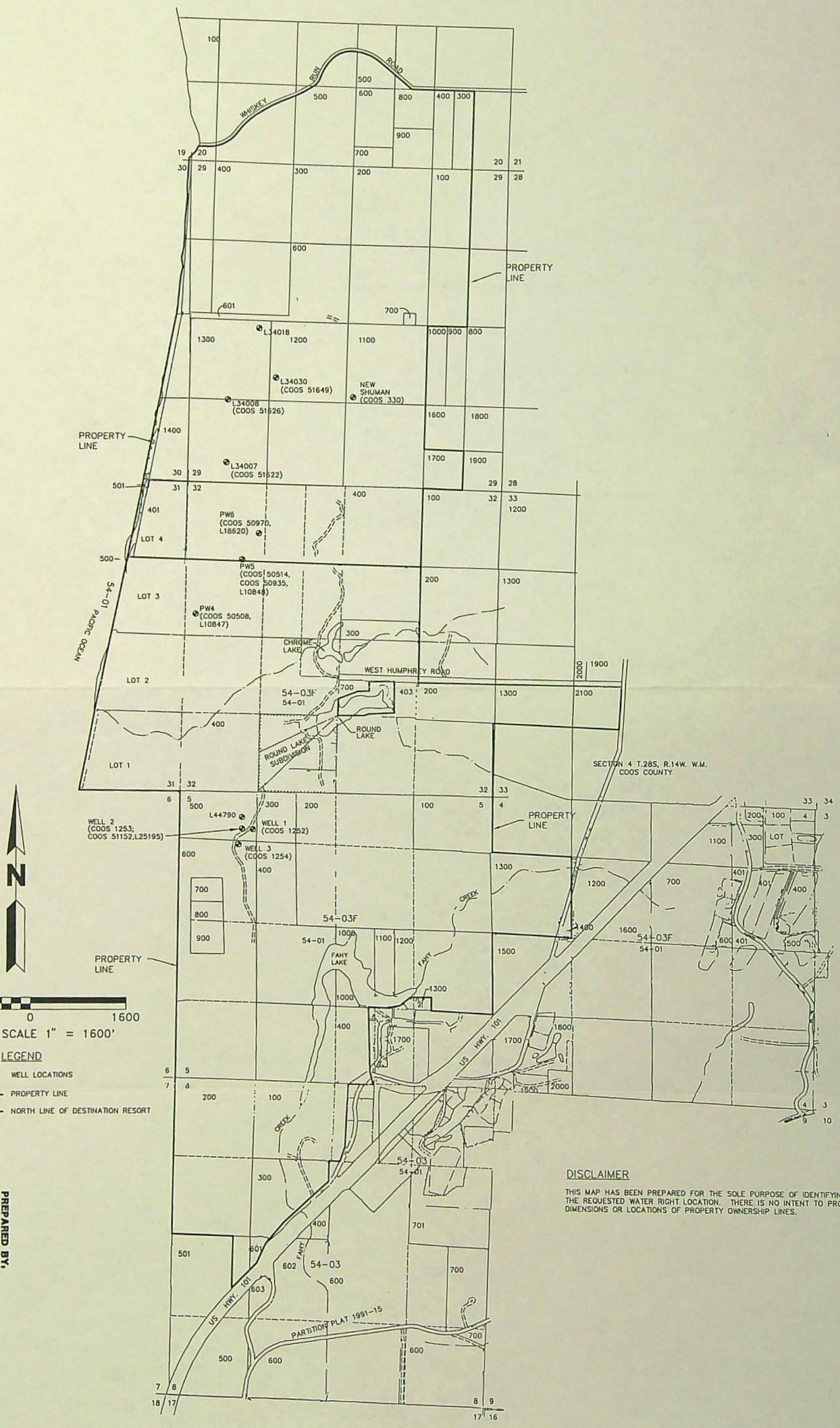
EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Phone (541) 688-8322
FAX (541) 688-8087

Area Map of Permitted Place of Use
Bandon Dunes
Permit #G-13498

T 8861

Attachment C: Location of Proposed Points of Appropriation

S:\Projects\BANDON\DIGITIZE\waterap.dwg Oct 02, 2001 - 2:57pm LAYOUT=FIG 2 11x17



DISCLAIMER

THIS MAP HAS BEEN PREPARED FOR THE SOLE PURPOSE OF IDENTIFYING THE REQUESTED WATER RIGHT LOCATION. THERE IS NO INTENT TO PROVIDE DIMENSIONS OR LOCATIONS OF PROPERTY OWNERSHIP LINES.

PREPARED BY:

EGR & Associates, Inc.
Engineers and Geologists
25358 Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

A total of twelve (12) points of appropriation are currently being requested. In addition to the six wells currently permitted, it is requested that six additional wells be added to the system from which the currently permitted rate and duty of water may be acquired. Please note that, although more wells are requested for addition to the system of permitted points of appropriation, it is desired to keep the current amount of water (rate and duty) exactly as it is in Permit #G-13498. The goal of adding 6 more wells to the permit is merely to allow flexibility in the arrangement of where the water is to be drawn.

Please note also that the location of the "Schumann Well" (to be renamed the "Shuman Well" in the amended permit) is not correct in the current permit, and it is requested that the location permitted for this well be moved to where the recent survey indicates it resides.

The locations of twelve requested points of appropriation are summarized in the following table.

Well Name	Well Location	Referenced from
SHUMAN WELL (COOS 330)	1549 FEET NORTH AND 2756 FEET EAST	NW CORNER OF SECTION 32 (COMMON TO SECTIONS 29, 30, 31, & 32)
PW5 (COOS 50514; COOS 50935, L10848)	27 FEET NORTH AND 382 FEET WEST	NW1/16 CORNER, SECTION 32
PW4 (COOS 50508; L10847)	377 FEET NORTH AND 173 FEET EAST	W1/4 CORNER, SECTION 32
WELL 1 (COOS 1252)	641 FEET SOUTH AND 69 FEET WEST	W1/16 CORNER BETWEEN SECTION 5 AND 32
WELL 2 (COOS 1253; COOS 51152, L25195)	632 FEET SOUTH AND 254 FEET WEST	W1/16 CORNER BETWEEN SECTION 5 AND 32
WELL 3 (COOS 1254)	61 FEET SOUTH AND 303 FEET WEST	NW1/16 CORNER, SECTION 5
L34007 (COOS 51622)	325 FEET NORTH AND 638 FEET EAST	NW CORNER OF SECTION 32 (COMMON TO SECTIONS 29, 30, 31, & 32)
L34008 (COOS 51626)	1354 FEET NORTH AND 646 FEET EAST	NW CORNER OF SECTION 32 (COMMON TO SECTIONS 29, 30, 31, & 32)
L34018	2515 FEET NORTH AND 1169 FEET EAST	NW CORNER OF SECTION 32 (COMMON TO SECTIONS 29, 30, 31, & 32)
L34030 (COOS 51649)	1674 FEET NORTH AND 1451 FEET EAST	NW CORNER OF SECTION 32 (COMMON TO SECTIONS 29, 30, 31, & 32)
PW6 (COOS 50970; L18620)	733 FEET SOUTH AND 1130 FEET EAST	NW CORNER OF SECTION 32 (COMMON TO SECTIONS 29, 30, 31, & 32)
L44790*	432 FEET SOUTH AND 254 FEET WEST	W1/16 CORNER BETWEEN SECTION 5 AND 32

*Note: Location is approximate. Not yet Surveyed. Well location will be proofed prior to issuance of final water right.

Please refer to the following figure for a mapped location of the proposed points of appropriation.

T 8861

Attachment D: Proposed Changes in Place of Use

T 8861

Amendments to Place of Use

PROPOSED AMENDED *ADDITIONAL* PLACE OF USE*						
TOWNSHIP	RANGE	SECTION	1/4	1/4	IRRIGATED ACRES	SUPPLEMENTAL IRRIGATION
27S	R14W W.M	20	NE	SW	8.4	
27S	R14W W.M	20	SE	SW	38.2	
27S	R14W W.M	20	SW	SW	15.0	
27S	R14W W.M	29	NW	NW	38.8	
27S	R14W W.M	29	NE	NW	40.0	
27S	R14W W.M	29	SE	NW	40.0	
27S	R14W W.M	29	SW	NW	40.0	
27S	R14W W.M	30	NE	NE	2.5	
27S	R14W W.M	30	SE	NE	7.9	
AMENDED ADDITIONAL IRRIGATION ACREAGE*:					230.8	acres

PROPOSED *CANCELLED* PLACE OF USE*						
TOWNSHIP	RANGE	SECTION	1/4	1/4	IRRIGATED ACRES	SUPPLEMENTAL IRRIGATION
**28S	R14W W.M	5	NE	NW	10.0	
28S	R14W W.M	5	NW	NW	6.5	
28S	R14W W.M	5	SW	NW	10.8	
**28S	R14W W.M	5	SE	NW	18.5	
**28S	R14W W.M	5	NE	SW	15.6	
28S	R14W W.M	5	NW	SW	9.0	
28S	R14W W.M	5	SW	SW	10.0	
28S	R14W W.M	5	SE	SW	17.0	
**27S	R14W W.M	29	NE	SW	10.5	
**27S	R14W W.M	29	SE	SW	4.6	
27S	R14W W.M	29	NW	SE	40.0	
**27S	R14W W.M	29	SW	SE	12.2	
27S	R14W W.M	32	SW	SW	5.0	
**27S	R14W W.M	32	SE	SW	21.1	
27S	R14W W.M	32	SE	SE	40.0	
TOTAL CANCELLED IRRIGATION ACREAGE*:					230.8	acres

** Removing some, but not all, of the previously approved acreage.

T 8861

Proposed Revised Permitted Place of Use

LOCATIONS OF PROPOSED PLACE OF USE*							
TOWNSHIP	RANGE	SECTION	1/4	1/4	IRRIGATED ACRES	SUPPLEMENTAL IRRIGATION	COMMERCIAL
27S	R14W W.M.	29	NE	SW	28.6		
27S	R14W W.M.	29	NW	SW	40.0		
27S	R14W W.M.	29	SW	SW	40.0		
27S	R14W W.M.	29	SE	SW	33.8		X
27S	R14W W.M.	29	SW	SE	27.8		
27S	R14W W.M.	29	NW	NW	38.8		
27S	R14W W.M.	29	NE	NW	40.0		
27S	R14W W.M.	29	SE	NW	40.0		
27S	R14W W.M.	29	SW	NW	40.0		
27S	R14W W.M.	30	NE	SE	12.0		
27S	R14W W.M.	30	SE	SE	18.0		
27S	R14W W.M.	30	NE	NE	2.5		
27S	R14W W.M.	30	SE	NE	7.9		
27S	R14W W.M.	31	NE	NE	27.1		
27S	R14W W.M.	31	SE	NE	33.6		
27S	R14W W.M.	31	NE	SE	45.8		
27S	R14W W.M.	31	SE	SE	12.5		
27S	R14W W.M.	32	NW	NE	40.0		
27S	R14W W.M.	32	NE	NW	34.8		X
27S	R14W W.M.	32	NW	NW	40.0		
27S	R14W W.M.	32	SW	NW	40.0		
27S	R14W W.M.	32	SE	NW	21.5		X
27S	R14W W.M.	32	NE	SW	22.3		X
27S	R14W W.M.	32	NW	SW	36.8		X
27S	R14W W.M.	32	SW	SW	0.0		X
27S	R14W W.M.	32	SE	SW	12.5		X
27S	R14W W.M.	32	NW	SE	0.5		X
27S	R14W W.M.	32	SW	SE	36.1		
27S	R14W W.M.	20	NE	SW	8.4		
27S	R14W W.M.	20	SE	SW	38.2		
27S	R14W W.M.	20	SW	SW	15.0		
28S	R14W W.M.	5	NE	NE	29.4		
28S	R14W W.M.	5	NW	NE	28.11	0.29	
28S	R14W W.M.	5	SW	NE	39.85	0.15	
28S	R14W W.M.	5	SE	NE	35.42	0.38	
28S	R14W W.M.	5	NE	NW	9.3		
28S	R14W W.M.	5	SE	NW	13.6		
28S	R14W W.M.	5	NE	SE	9.3		
28S	R14W W.M.	5	NW	SE	18.0		
28S	R14W W.M.	5	NE	SW	6.2		
28S	R14W W.M.	8	NW	NE			X
28S	R14W W.M.	8	NE	NW			X
TOTAL AMENDED IRRIGATION ACREAGE*:					1024.5	acres	
*USE OF WATER FOR IRRIGATION LIMITED TO A 500.0 ACRE DEVELOPMENT OF THE POTENTIAL 1024.5 ACRES IDENTIFIED IN PLACE OF USE.							

T 8861



N

Original Irrigation Area
(less cancelled acreage)

Cancelled Irrigation Area

Amended Irrigation Area

Quarter-Quarter
Section Lines

one mile

Scale: 1" = 3500'

#0910-01-0146

EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Phone (541) 688-8322
FAX (541) 688-8087

Area Map of Proposed Use
(to be proof surveyed)
Bandon Dunes
Permit #G-13498

T 8861

Attachment E: Well Reports

Well logs are supplied for all twelve proposed points of appropriation. The well logs will appear in order as follows:

- Shuman Well (COOS 330)
- PW5 (COOS 50514; COOS 50935, L10848)
- PW4 (COOS 50508)
- WELL 1 (COOS 1252)
- WELL 2 (COOS 1253; COOS 51152, L25195)
- WELL 3 (COOS 1254)
- L34007 (COOS 51622)
- L34008 (COOS 51626)
- L34018
- L34030 (COOS 51649)
- PW6 (COOS 50970; L18620)
- L44790

Please note that two well logs are associated with both Well 2 and PW5 because of minor adaptations made to each of the wells in 1998.

T 8861

Shuman Well (COOS 330)

#15

T8861

RECEIVED
JAN 14 1991
WATER RESOURCES DEPT.

Coos 330

T27S/R14W/29

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

(START CARD) # 20179

(1) OWNER: Well Number: 75 SALES

Name DAVID SHUMAN
Address P.O. BOX 17761
City TAHOE CITY State CA. Zip 95730

(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 74'3½"
Explosives used Yes ☐ No ☒ Type — Amount —

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	0	25	Bentonite	0	25	1100
6"	25	75				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☒ Other introduced from surface.
Backfill placed from — ft. to — ft. Material —
Gravel placed from — ft. to — ft. Size of gravel —

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	53¼	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method Telescope
☒ Screens Type Johnson Material Stainless steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
52'6	58'5"	.018	—	6"	Tele.	☐	☐
58'5	63'8"	.020	—	6"	Tele	☐	☐
63'8"	68'11"	.035	—	6"	Tele	☐	☐
68'11	74'4	—	—	5"	Tail Pipe	☒	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
45	5'	70'	2hr.

Temperature of water 52° 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 COOS Latitude — Longitude —
Township 27S N or S, Range 14W E or W, WM
Section 29 NW ¼ SE ¼
Tax Lot 1300 Lot — Block — Subdivision —
Street Address of Well (or nearest address) BROWN ROAD, BANDON, OR. 97411

(10) STATIC WATER LEVEL:
37 ft. below land surface. Date 12/15
Artesian pressure — lb. per square inch. Date —

(11) WATER BEARING ZONES:
Depth at which water was first found 37'

From	To	Estimated Flow Rate	SW
37	67	100	3

(12) WELL LOG: Ground elevation +/- 200'

Material	From	To	SW
Sandy Clay Brown	0	3	
Sand Brown Fine	3	32	
Sand Tan w/wood Fine	32	35	
Sand Orange Fine	35	38	3
Sand Orange Crse	38	42	
Sand Gray Med	42	43	
Sand Orange Med	43	50	
Sand gray brown Crs	50	60	
Gravel w/Sand Med gray	60	67	
Clay Gray	67	75	

Date started 12/14/90 Completed 12/18/90

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration abandonment of this well is in compliance with Oregon well construc standards. Materials used and information reported above are true to my knowledge and belief.

WWC Number —
Signed — Date —

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonm work performed on this well during the construction dates reported abov work performed during this time is in compliance with Oregon construction standards. This report is true to the best of my knowledge belief.

WWC Number 148
Signed John Mack Date 1/8/91

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C

T 8861

PW5 (COOS 51431)

STATE OF OREGON

Well ID# [redacted]

T 8861

MONITORING WELL REPORT

(as required by ORS 537.765 & OAR 690-240-095)

COOS 51431

Start Card:# 125741

Instructions for completing this report are on the last page of this form.

(1) OWNER/PROJECT: WELL NO. MW-6

Name Bandon Coastal Dunes GC EGR+Assoc.

Address 2535 B Prairie Rd

City Eugene State OR Zip 97402

(2) TYPE OF WORK:

☒ New construction ☐ Alteration (Repair/Recondition)

☐ Conversion ☐ Deepening ☐ Abandonment

(3) DRILLING METHOD

☐ Rotary Air ☐ Rotary Mud ☐ Cable

☒ Hollow Stem Auger ☐ Other

(4) BORE HOLE CONSTRUCTION

Special Standards ☐ Yes ☒ No Depth of completed well 35 ft.

Land surface

Vault 6 ft. TO 1 ft.

Seal 1 ft. TO 23 ft.

Filter pack 23 ft. TO 35 ft.

Water-tight cover

Surface flush vault

Locking cap

Casing diameter 2" in. material PVC Welded ☐ Threaded ☒ Glued ☐

Liner diameter N/A in. material N/A Welded ☐ Threaded ☐ Glued ☐

Well seal: Material bent. chips Amount 10 50# bags. Grout weight

Borehole diameter 10 1/4" 00 - 6 1/4" 00 in.

Bentonite plug at least 3 ft. thick

Screen material PVC interval(s): From 25' To 35' From To Slot size .01 in.

Filter pack: Material Silica Size 10/20 in.

(5) WELL TEST:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Permeability Yield GPM

Conductivity PH

Temperature of water 56 °F/C Depth artesian flow found ft.

Was water analysis done? ☐ Yes ☐ No

By whom?

Depth of strata to be analyzed. From ft. to ft.

Remarks:

Name of Supervising Geologist/Engineer

OR9133

(6) LOCATION OF WELL By legal description

Well Location: County COOS

Township 27S (N or S) Range 14W (E or W) Section 32

1. NW 1/4 of NW 1/4 of above section.

2. Either Street address of well location Bandon, OR Randolph Rd + Seven Devils Rd

or Tax lot number of well location 100

3. ATTACH MAP WITH LOCATION IDENTIFIED. Map shall include approximate scale and north arrow.

(7) STATIC WATER LEVEL:

30 Ft. below land surface. Date 19 Aug 99

Artesian Pressure lb/sq. in. Date

(8) WATER BEARING ZONES:

Depth at which water was first found

From	To	Est. Flow Rate	SWL
30'	35'	3 GPM	

(9) WELL LOG: Ground elevation

Material	From	To	SWL
Sand fine to med	0'	30'	
Sand fine - wet	30'	35'	

RECEIVED

SEP 03 1999

WATER RESOURCES DEPT SALEM, OREGON

Date started 19 Aug 99 Completed 19 Aug 99

(unbonded) Monitor 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 the best knowledge and belief.

MWC Number 1042

Signed Date 19 Aug 99

(bonded) Monitor Well Constructor Certification:

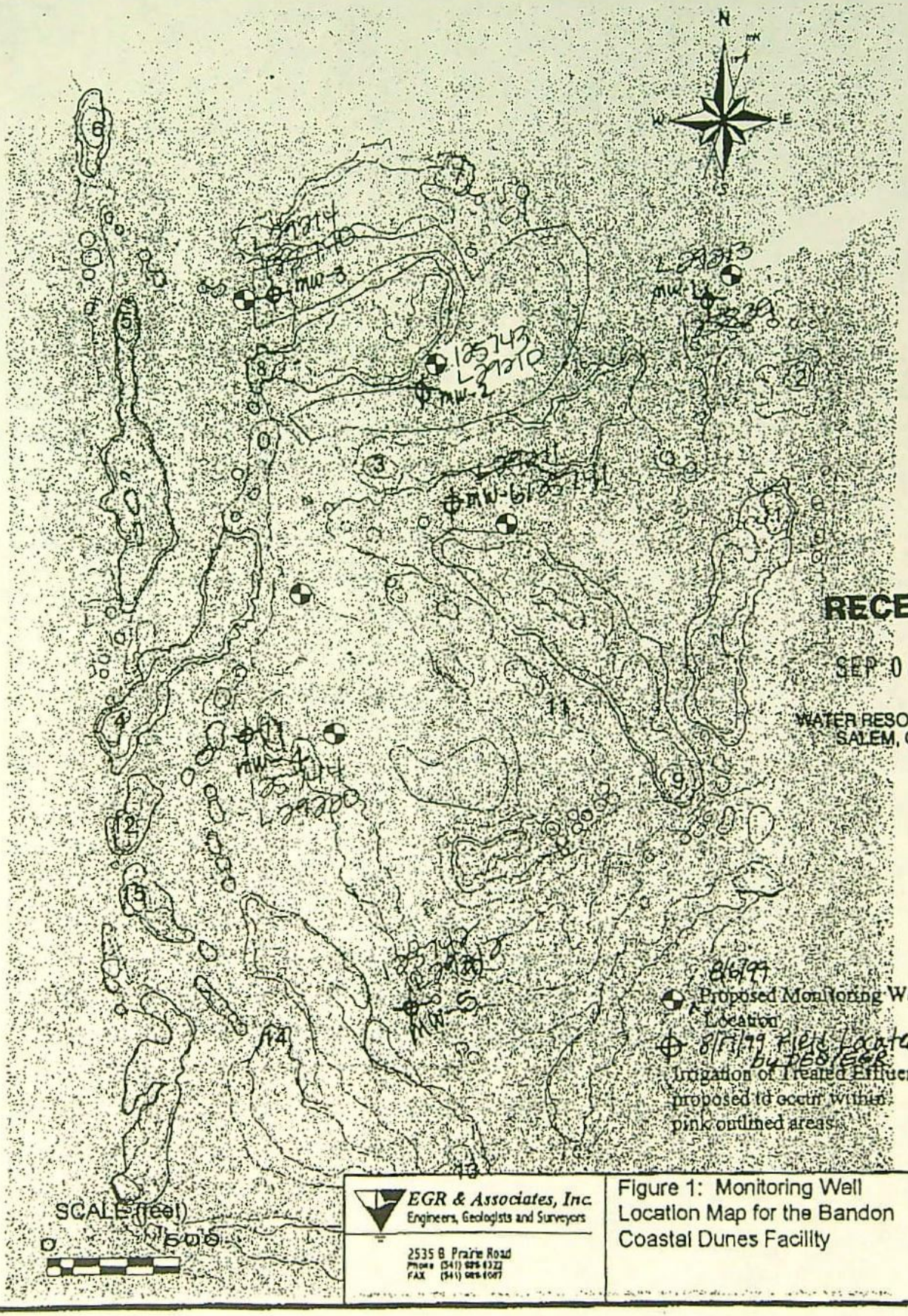
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

MWC Number 10024

Signed Date 8/24/99

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

T8861


N
W
E
S
MW-3
MW-2
MW-6
MW-4
MW-5
MW-1
L39314
L39313
L39310
L39320
L39319
L39321
L39322
L39323
L39324
L39325
L39326
L39327
L39328
L39329
L39330
L39331
L39332
L39333
L39334
L39335
L39336
L39337
L39338
L39339
L39340
L39341
L39342
L39343
L39344
L39345
L39346
L39347
L39348
L39349
L39350
L39351
L39352
L39353
L39354
L39355
L39356
L39357
L39358
L39359
L39360
L39361
L39362
L39363
L39364
L39365
L39366
L39367
L39368
L39369
L39370
L39371
L39372
L39373
L39374
L39375
L39376
L39377
L39378
L39379
L39380
L39381
L39382
L39383
L39384
L39385
L39386
L39387
L39388
L39389
L39390
L39391
L39392
L39393
L39394
L39395
L39396
L39397
L39398
L39399
L39400
L39401
L39402
L39403
L39404
L39405
L39406
L39407
L39408
L39409
L39410
L39411
L39412
L39413
L39414
L39415
L39416
L39417
L39418
L39419
L39420
L39421
L39422
L39423
L39424
L39425
L39426
L39427
L39428
L39429
L39430
L39431
L39432
L39433
L39434
L39435
L39436
L39437
L39438
L39439
L39440
L39441
L39442
L39443
L39444
L39445
L39446
L39447
L39448
L39449
L39450
L39451
L39452
L39453
L39454
L39455
L39456
L39457
L39458
L39459
L39460
L39461
L39462
L39463
L39464
L39465
L39466
L39467
L39468
L39469
L39470
L39471
L39472
L39473
L39474
L39475
L39476
L39477
L39478
L39479
L39480
L39481
L39482
L39483
L39484
L39485
L39486
L39487
L39488
L39489
L39490
L39491
L39492
L39493
L39494
L39495
L39496
L39497
L39498
L39499
L39500
L39501
L39502
L39503
L39504
L39505
L39506
L39507
L39508
L39509
L39510
L39511
L39512
L39513
L39514
L39515
L39516
L39517
L39518
L39519
L39520
L39521
L39522
L39523
L39524
L39525
L39526
L39527
L39528
L39529
L39530
L39531
L39532
L39533
L39534
L39535
L39536
L39537
L39538
L39539
L39540
L39541
L39542
L39543
L39544
L39545
L39546
L39547
L39548
L39549
L39550
L39551
L39552
L39553
L39554
L39555
L39556
L39557
L39558
L39559
L39560
L39561
L39562
L39563
L39564
L39565
L39566
L39567
L39568
L39569
L39570
L39571
L39572
L39573
L39574
L39575
L39576
L39577
L39578
L39579
L39580
L39581
L39582
L39583
L39584
L39585
L39586
L39587
L39588
L39589
L39590
L39591
L39592
L39593
L39594
L39595
L39596
L39597
L39598
L39599
L39600
L39601
L39602
L39603
L39604
L39605
L39606
L39607
L39608
L39609
L39610
L39611
L39612
L39613
L39614
L39615
L39616
L39617
L39618
L39619
L39620
L39621
L39622
L39623
L39624
L39625
L39626
L39627
L39628
L39629
L39630
L39631
L39632
L39633
L39634
L39635
L39636
L39637
L39638
L39639
L39640
L39641
L39642
L39643
L39644
L39645
L39646
L39647
L39648
L39649
L39650
L39651
L39652
L39653
L39654
L39655
L39656
L39657
L39658
L39659
L39660
L39661
L39662
L39663
L39664
L39665
L39666
L39667
L39668
L39669
L39670
L39671
L39672
L39673
L39674
L39675
L39676
L39677
L39678
L39679
L39680
L39681
L39682
L39683
L39684
L39685
L39686
L39687
L39688
L39689
L39690
L39691
L39692
L39693
L39694
L39695
L39696
L39697
L39698
L39699
L39700
L39701
L39702
L39703
L39704
L39705
L39706
L39707
L39708
L39709
L39710
L39711
L39712
L39713
L39714
L39715
L39716
L39717
L39718
L39719
L39720
L39721
L39722
L39723
L39724
L39725
L39726
L39727
L39728
L39729
L39730
L39731
L39732
L39733
L39734
L39735
L39736
L39737
L39738
L39739
L39740
L39741
L39742
L39743
L39744
L39745
L39746
L39747
L39748
L39749
L39750
L39751
L39752
L39753
L39754
L39755
L39756
L39757
L39758
L39759
L39760
L39761
L39762
L39763
L39764
L39765
L39766
L39767
L39768
L39769
L39770
L39771
L39772
L39773
L39774
L39775
L39776
L39777
L39778
L39779
L39780
L39781
L39782
L39783
L39784
L39785
L39786
L39787
L39788
L39789
L39790
L39791
L39792
L39793
L39794
L39795
L39796
L39797
L39798
L39799
L39800
L39801
L39802
L39803
L39804
L39805
L39806
L39807
L39808
L39809
L39810
L39811
L39812
L39813
L39814
L39815
L39816
L39817
L39818
L39819
L39820
L39821
L39822
L39823
L39824
L39825
L39826
L39827
L39828
L39829
L39830
L39831
L39832
L39833
L39834
L39835
L39836
L39837
L39838
L39839
L39840
L39841
L39842
L39843
L39844
L39845
L39846
L39847
L39848
L39849
L39850
L39851
L39852
L39853
L39854
L39855
L39856
L39857
L39858
L39859
L39860
L39861
L39862
L39863
L39864
L39865
L39866
L39867
L39868
L39869
L39870
L39871
L39872
L39873
L39874
L39875
L39876
L39877
L39878
L39879
L39880
L39881
L39882
L39883
L39884
L39885
L39886
L39887
L39888
L39889
L39890
L39891
L39892
L39893
L39894
L39895
L39896
L39897
L39898
L39899
L39900
L39901
L39902
L39903
L39904
L39905
L39906
L39907
L39908
L39909
L39910
L39911
L39912
L39913
L39914
L39915
L39916
L39917
L39918
L39919
L39920
L39921
L39922
L39923
L39924
L39925
L39926
L39927
L39928
L39929
L39930
L39931
L39932
L39933
L39934
L39935
L39936
L39937
L39938
L39939
L39940
L39941
L39942
L39943
L39944
L39945
L39946
L39947
L39948
L39949
L39950
L39951
L39952
L39953
L39954
L39955
L39956
L39957
L39958
L39959
L39960
L39961
L39962
L39963
L39964
L39965
L39966
L39967
L39968
L39969
L39970
L39971
L39972
L39973
L39974
L39975
L39976
L39977
L39978
L39979
L39980
L39981
L39982
L39983
L39984
L39985
L39986
L39987
L39988
L39989
L39990
L39991
L39992
L39993
L39994
L39995
L39996
L39997
L39998
L39999
L40000
L40001
L40002
L40003
L40004
L40005
L40006
L40007
L40008
L40009
L40010
L40011
L40012
L40013
L40014
L40015
L40016
L40017
L40018
L40019
L40020
L40021
L40022
L40023
L40024
L40025
L40026
L40027
L40028
L40029
L40030
L40031
L40032
L40033
L40034
L40035
L40036
L40037
L40038
L40039
L40040
L40041
L40042
L40043
L40044
L40045
L40046
L40047
L40048
L40049
L40050
L40051
L40052
L40053
L40054
L40055
L40056
L40057
L40058
L40059
L40060
L40061
L40062
L40063
L40064
L40065
L40066
L40067
L40068
L40069
L40070
L40071
L40072
L40073
L40074
L40075
L40076
L40077
L40078
L40079
L40080
L40081
L40082
L40083
L40084
L40085
L40086
L40087
L40088
L40089
L40090
L40091
L40092
L40093
L40094
L40095
L40096
L40097
L40098
L40099
L40100
L40101
L40102
L40103
L40104
L40105
L40106
L40107
L40108
L40109
L40110
L40111
L40112
L40113
L40114
L40115
L40116
L40117
L40118
L40119
L40120
L40121
L40122
L40123
L40124
L40125
L40126
L40127
L40128
L40129
L40130
L40131
L40132
L40133
L40134
L40135
L40136
L40137
L40138
L40139
L40140
L40141
L40142
L40143
L40144
L40145
L40146
L40147
L40148
L40149
L40150
L40151
L40152
L40153
L40154
L40155
L40156
L40157
L40158
L40159
L40160
L40161
L40162
L40163
L40164
L40165
L40166
L40167
L40168
L40169
L40170
L40171
L40172
L40173
L40174
L40175
L40176
L40177
L40178
L40179
L40180
L40181
L40182
L40183
L40184
L40185
L40186
L40187
L40188
L40189
L40190
L40191
L40192
L40193
L40194
L40195
L40196
L40197
L40198
L40199
L40200
L40201
L40202
L40203
L40204
L40205
L40206
L40207
L40208
L40209
L40210
L40211
L40212
L40213
L40214
L40215
L40216
L40217
L40218
L40219
L40220
L40221
L40222
L40223
L40224
L40225
L40226
L40227
L40228
L40229
L40230
L40231
L40232
L40233
L40234
L40235
L40236
L40237
L40238
L40239
L40240
L40241
L40242
L40243
L40244
L40245
L40246
L40247
L40248
L40249
L40250
L40251
L40252
L40253
L40254
L40255
L40256
L40257
L40258
L40259
L40260
L40261
L40262
L40263
L40264
L40265
L40266
L40267
L40268
L40269
L40270
L40271
L40272
L40273
L40274
L40275
L40276
L40277
L40278
L40279
L40280
L40281
L40282
L40283
L40284
L40285
L40286
L40287
L40288
L40289
L40290
L40291
L40292
L40293
L40294
L40295
L40296
L40297
L40298
L40299
L40300
L40301
L40302
L40303
L40304
L40305
L40306
L40307
L40308
L40309
L40310
L40311
L40312
L40313
L40314
L40315
L40316
L40317
L40318
L40319
L40320
L40321
L40322
L40323
L40324
L40325
L40326
L40327
L40328
L40329
L40330
L40331
L40332
L40333
L40334
L40335
L40336
L40337
L40338
L40339
L40340
L40341
L40342
L40343
L40344
L40345
L40346
L40347
L40348
L40349
L40350
L40351
L40352
L40353
L40354
L40355
L40356
L40357
L40358
L40359
L40360
L40361
L40362
L40363
L40364
L40365
L40366
L40367
L40368
L40369
L40370
L40371
L40372
L40373
L40374
L40375
L40376
L40377
L40378
L40379
L40380
L40381
L40382
L40383
L40384
L40385
L40386
L40387
L40388
L40389
L40390
L40391
L40392
L40393
L40394
L40395
L40396
L40397
L40398
L40399
L40400
L40401
L40402
L40403
L40404
L40405
L40406
L40407
L40408
L40409
L40410
L40411
L40412
L40413
L40414
L40415
L40416
L40417
L40418
L40419
L40420
L40421
L40422
L40423
L40424
L40425
L40426
L40427
L40428
L40429
L40430
L40431
L40432
L40433
L40434
L40435
L40436
L40437
L40438
L40439
L40440
L40441
L40442
L40443
L40444
L40445
L40446
L40447
L40448
L40449
L40450
L40451
L40452
L40453
L40454
L40455
L40456
L40457
L40458
L40459
L40460
L40461
L40462
L40463
L40464
L40465
L40466
L40467
L40468
L40469
L40470
L40471
L40472
L40473
L40474
L40475
L40476
L40477
L40478
L40479
L40480
L40481
L40482
L40483
L40484
L40485
L40486
L40487
L40488
L40489
L40490
L40491
L40492
L40493
L40494
L40495
L40496
L40497
L40498
L40499
L40500
L40501
L40502
L40503
L40504
L40505
L40506
L40507
L40508
L40509
L40510
L40511
L40512
L40513
L40514
L40515
L40516
L40517
L40518
L40519
L40520
L40521
L40522
L40523
L40524
L40525
L40526
L40527
L40528
L40529
L40530
L40531
L40532
L40533
L40534
L40535
L40536
L40537
L40538
L40539
L40540
L40541
L40542
L40543
L40544
L40545
L40546
L40547
L40548
L40549
L40550
L40551
L40552
L40553
L40554
L40555
L40556
L40557
L40558
L40559
L40560
L40561
L40562
L40563
L40564
L40565
L40566
L40567
L40568
L40569
L40570
L40571
L40572
L40573
L40574
L40575
L40576
L40577
L40578
L40579
L40580
L40581
L40582
L40583
L40584
L40585
L40586
L40587
L40588
L40589
L40590
L40591
L40592
L40593
L40594
L40595
L40596
L40597
L40598
L40599
L40600
L40601
L40602
L40603
L40604
L40605
L40606
L40607
L40608
L40609
L40610
L40611
L40612
L40613
L40614
L40615
L40616
L40617
L40618
L40619
L40620
L40621
L40622
L40623
L40624
L40625
L40626
L40627
L40628
L40629
L40630
L40631
L40632
L40633
L40634
L40635
L40636
L40637
L40638
L40639
L40640
L40641
L40642
L40643
L40644
L40645
L40646
L40647
L40648
L40649
L40650
L40651
L40652
L40653
L40654
L40655
L40656
L40657
L40658
L40659
L40660
L40661
L40662
L40663
L40664
L40665
L40666
L40667
L40668
L40669
L40670
L40671
L40672
L40673
L40674
L40675
L40676
L40677
L40678
L40679
L40680
L40681
L40682
L40683
L40684
L40685
L40686
L40687
L40688
L40689
L40690
L40691
L40692
L40693
L40694
L40695
L40696
L40697
L40698
L40699
L40700
L40701
L40702
L40703
L40704
L40705
L40706
L40707
L40708
L40709
L40710
L40711
L40712
L40713
L40714
L40715
L40716
L40717
L40718
L40719
L40720
L40721
L40722
L40723
L40724
L40725
L40726
L40727
L40728
L40729
L40730
L40731
L40732
L40733
L40734
L40735
L40736
L40737
L40738
L40739
L40740
L40741
L40742
L40743
L40744
L40745
L40746
L40747
L40748
L40749
L40750
L40751
L40752
L40753
L40754
L40755
L40756
L40757
L40758
L40759
L40760
L40761
L40762
L40763
L40764
L40765
L40766
L40767
L40768
L40769
L40770
L40771
L40772
L40773
L40774
L40775
L40776
L40777
L40778
L40779
L40780
L40781
L40782
L40783
L40784
L40785
L40786
L40787
L40788
L40789
L40790
L40791
L40792
L40793
L40794
L40795
L40796
L40797
L40798
L40799
L40800
L40801
L40802
L40803
L40804
L40805
L40806
L40807
L40808
L40809
L40810
L40811
L40812
L40813
L40814
L40815
L40816
L40817
L40818
L40819
L40820
L40821
L40822
L40823
L40824
L40825
L40826
L40827
L40828
L40829
L40830
L40831
L40832
L40833
L40834
L40835
L40836
L40837
L40838
L40839
L40840
L40841
L40842
L40843
L40844
L40845
L40846
L40847
L40848
L40849
L40850
L40851
L40852
L40853
L40854
L40855
L40856
L40857
L40858
L40859
L40860
L40861
L40862
L40863
L40864
L40865
L40866
L40867
L40868
L40869
L40870
L40871
L40872
L40873
L40874
L40875
L40876
L40877
L40878
L40879
L40880
L40881
L40882
L40883
L40884
L40885
L40886
L40887
L40888
L40889
L40890
L40891
L40892
L40893
L40894
L40895
L40896
L40897
L40898
L40899
L40900
L40901
L40902
L40903
L40904
L40905
L40906
L40907
L40908
L40909
L40910
L40911
L40912
L40913
L40914
L40915
L40916
L40917
L40918
L40919
L40920
L40921
L40922
L40923
L40924
L40925
L40926
L40927
L40928
L40929
L40930
L40931
L40932
L40933
L40934
L40935
L40936
L40937
L40938
L40939
L40940
L40941
L40942
L40943
L40944
L40945
L40946
L40947
L40948
L40949
L40950
L40951
L40952
L40953
L40954
L40955
L40956
L40957
L40958
L40959
L40960
L40961
L40962
L40963
L40964
L40965
L40966
L40967
L40968
L40969
L40970
L40971
L40972
L40973
L40974
L40975
L40976
L40977
L40978
L40979
L40980
L40981
L40982
L40983
L40984
L40985
L40986
L40987
L40988
L40989
L40990
L40991
L40992
L40993
L40994
L40995
L40996
L40997
L40998
L40999
L41000
L41001
L41002
L41003
L41004
L41005
L41006
L41007
L41008
L41009
L41010
L41011
L41012
L41013
L41014
L41015
L41016
L41017
L41018
L41019
L41020
L41021
L41022
L41023
L41024
L41025
L41026
L41027
L41028
L41029
L41030
L41031
L41032
L41033
L41034
L41035
L41036
L41037
L41038
L41039
L41040
L41041
L41042
L41043
L41044
L41045
L41046
L41047
L41048
L41049
L41050
L41051
L41052
L41053
L41054
L41055
L41056
L41057
L41058
L41059
L41060
L41061
L41062
L41063
L41064
L41065
L41066
L41067
L41068
L41069
L41070
L41071
L41072
L41073
L41074
L41075
L41076
L41077
L41078
L41079
L41080
L41081
L41082
L41083
L41084
L41085
L41086
L41087
L41088
L41089
L41090
L41091
L41092
L41093
L41094
L41095
L41096
L41097
L41098
L41099
L41100
L41101
L41102
L41103
L41104
L41105
L41106
L41107
L41108
L41109
L41110
L41111
L41112
L41113
L41114
L41115
L41116
L41117
L41118
L41119
L41120
L41121
L41122
L41123
L41124
L41125
L41126
L41127
L41128
L41129
L41130
L41131
L41132
L41133
L41134
L41135
L41136
L41137
L41138
L41139
L41140
L41141
L41142
L41143
L41144
L41145
L41146
L41147
L41148
L41149
L41150
L41151
L41152
L41153
L41154
L41155
L41156
L41157
L41158
L41159
L41160
L41161
L41162
L41163
L41164
L41165
L41166
L41167
L41168
L41169
L41170
L41171
L41172
L41173
L41174
L41175
L41176
L41177
L41178
L41179
L41180
L41181
L41182
L41183
L41184
L41185
L41186
L41187
L41188
L41189
L41190
L41191
L41192
L41193
L41194
L41195
L41196
L41197
L41198
L41199
L41200
L41201
L41202
L41203
L41204
L41205
L41206
L41207
L41208
L41209
L41210
L41211
L41212
L41213
L41214
L41215
L41216
L41217
L41218
L41219
L41220
L41221
L41222
L41223
L41224
L41225
L41226
L41227
L41228
L41229
L41230
L41231
L41232
L41233
L41234
L41235
L41236
L41237
L41238
L41239
L41240
L41241
L41242
L41243
L41244
L41245
L41246
L41247
L41248
L41249
L41250
L41251
L41252
L41253
L41254
L41255
L41256
L41257
L41258
L41259
L41260
L41261
L41262
L41263
L41264
L41265
L41266
L41267
L41268
L41269
L41270
L41271
L41272
L41273
L41274
L41275
L41276
L41277
L41278
L41279
L41280
L41281
L41282
L41283
L41284
L41285
L41286
L41287
L41288
L41289
L41290
L41291
L41292
L41293
L41294
L41295
L41296
L41297
L41298
L41299
L41300
L41301
L41302
L41303
L41304
L41305
L41306
L41307
L41308
L41309
L41310
L41311
L41312
L41313
L41314
L41315
L41316
L41317
L41318
L41319
L41320
L41321
L41322
L41323
L41324
L41325
L41326
L41327
L41328
L41329
L41330
L41331
L41332
L41333
L41334
L41335
L41336
L41337
L41338
L41339
L41340
L41341
L41342
L41343
L41344
L41345
L41346
L41347
L41348
L41349
L41350
L41351
L41352
L41353
L41354
L41355
L41356
L41357
L41358
L41359
L41360
L41361
L41362
L41363
L41364
L41365
L41366
L41367
L41368
L41369
L41370
L41371
L41372
L41373
L41374
L41375
L41376
L41377
L41378
L41379
L41380
L41381
L41382
L41383
L41384
L41385
L41386
L41387
L41388
L41389
L41390
L41391
L41392
L41393
L41394
L41395
L41396
L41397
L41398
L41399
L41400
L41401
L41402
L41403
L41404
L41405
L41406
L41407
L41408
L41409
L41410
L41411
L41412
L41413
L41414
L41415
L41416
L41417
L41418
L41419
L41420
L41421
L41422
L41423
L41424
L41425
L41426
L41427
L41428
L41429
L41430
L41431
L41432
L41433
L41434
L41435
L41436
L41437
L41438
L41439
L41440
L41441
L41442
L41443
L41444
L41445
L41446
L41447
L41448
L41449
L41450
L41451
L41452
L41453
L41454
L41455
L41456
L41457
L41458
L41459
L41460
L41461
L41462
L41463
L41464
L41465
L41466
L41467
L41468
L41469
L41470
L41471
L41472
L41473
L41474
L41475
L41476
L41477
L41478
L41479
L41480
L41481
L41482
L41483
L41484
L41485
L41486
L41487
L41488
L41489
L41490
L41491
L41492
L41493
L41494
L41495
L41496
L41497
L41498
L41499
L41500
L41501
L41502
L41503
L41504
L41505
L41506
L41507
L41508
L41509
L41510
L41511
L41512
L41513
L41514
L41515
L41516
L41517
L41518
L41519
L41520
L41521
L41522
L41523
L41524
L41525
L41526
L41527
L41528
L41529
L41530
L41531
L41532
L41533
L41534
L41535
L41536
L41537
L41538
L41539
L41540
L41541
L41542
L41543
L41544
L41545
L41546
L41547
L41548
L41549
L41550
L41551
L41552
L41553
L41554
L41555
L41556
L41557
L41558
L41559
L41560
L41561
L41562
L41563
L41564
L41565
L41566
L41567
L41568
L41569
L41570
L41571
L41572
L41573
L41574
L41575
L41576
L41577
L41578
L41579
L41580
L41581
L41582
L41583
L41584
L41585
L41586
L41587
L41588
L41589
L41590
L41591
L41592
L41593
L41594
L41595
L41596
L41597
L41598
L41599
L41600
L41601
L41602
L41603
L41604
L41605
L41606
L41607
L41608
L41609
L41610
L41611
L41612
L41613
L41614
L41615
L41616
L41617
L41618
L41619
L41620
L41621
L41622
L41623
L41624
L41625
L41626
L41627
L41628
L41629
L41630
L41631
L41632
L41633
L41634
L41635
L41636
L41637
L41638
L41639
L41640
L41641
L41642
L41643
L41644
L41645
L41646
L41647
L41648
L41649
L41650
L41651
L41652
L41653
L41654
L41655
L41656
L41657
L41658
L41659
L41660
L41661
L41662
L41663
L41664
L41665
L41666
L41667
L41668
L41669
L41670
L41671
L41672
L41673
L41674
L41675
L41676
L41677
L41678
L41679
L41680
L41681
L41682
L41683
L41684
L41685
L41686
L41687
L41688
L41689
L41690
L41691
L41692
L41693
L41694
L41695
L41696
L41697
L41698
L41699
L41700
L41701
L41702
L41703
L41704
L41705
L41706
L41707
L41708
L41709
L41710
L41711
L41712
L41713
L41714
L41715
L41716
L41717
L41718
L41719
L41720
L41721
L41722
L41723
L41724
L41725
L41726
L41727
L41728
L41729
L41730
L41731
L41732
L41733
L41734
L41735
L41736
L41737
L41738
L41739
L41740
L41741
L41742
L41743
L41744
L41745
L41746
L41747
L41748
L41749
L41750
L41751
L41752
L41753
L41754
L41755
L41756
L41757
L41758
L41759
L41760
L41761
L41762
L41763
L41764
L41765
L41766
L41767
L41768
L41769
L41770
L41771
L41772
L41773
L41774
L41775
L41776
L41777
L41778
L41779
L41780
L41781
L41782
L41783
L41784
L41785
L41786
L41787
L41788
L41789
L41790
L41791
L41792
L41793
L41794
L41795
L41796
L41797
L41798
L41799
L41800
L41801
L41802
L41803
L41804
L41805
L41806
L41807
L41808
L41809
L41810
L41811
L41812
L41813
L41814
L41815
L41816
L41817
L41818
L41819
L41820
L41821
L41822
L41823
L41824
L41825
L41826
L41827
L41828
L41829
L41830
L41831
L41832
L41833
L41834
L41835
L41836
L41837
L41838
L41839
L41840
L41841
L41842
L41843
L41844
L41845
L41846
L41847
L41848
L41849
L41850
L41851
L41852
L41853
L41854
L41855
L41856
L41857
L41858
L41859
L41860
L41861
L41862
L41863
L41864
L41865
L41866
L41867
L41868
L41869
L41870
L41871
L41872
L41873
L41874
L41875
L41876
L41877
L41878
L41879
L41880
L41881
L41882
L41883
L41884
L41885
L41886
L41887
L41888
L41889
L41890
L41891
L41892
L41893
L41894
L41895
L41896
L41897
L41898
L41899
L41900
L41901
L41902
L41903
L41904
L41905
L41906
L41907
L41908
L41909
L41910
L41911
L41912
L41913
L41914
L41915
L41916
L41917
L41918
L41919
L41920
L41921
L41922
L41923
L41924
L41925
L41926
L41927
L41928
L41929
L41930
L41931
L41932
L41933
L41934
L41935
L41936
L41937
L41938
L41939
L41940
L41941
L41942
L41943
L41944
L41945
L41946
L41947
L41948
L41949
L41950
L41951
L41952
L41953
L41954
L41955
L41956
L41957
L41958
L41959
L41960
L41961
L41962
L41963
L41964
L41965
L41966
L41967
L41968
L41969
L41970
L41971
L41972
L41973
L41974
L41975
L41976
L41977
L41978
L41979
L41980
L41981
L41982
L41983
L41984
L41985
L41986
L41987
L41988
L41989
L41990
L41991
L41992
L41993
L41994
L41995
L41996
L41997
L41998
L41999
L42000
L42001
L42002
L42003
L42004
L42005
L42006
L42007
L42008
L42009
L42010
L42011
L42012
L42013
L42014
L42015
L42016
L42017
L42018
L42019
L42020
L42021
L42022
L42023
L42024
L42025
L42026
L42027
L42028
L42029
L42030
L42031
L42032
L42033
L42034
L42035
L42036
L42037
L42038
L42039
L42040
L42041
L42042
L42043
L42044
L42045
L42046
L42047
L42048
L42049
L42050
L42051
L42052
L42053
L42054
L42055
L42056
L42057
L42058
L42059
L42060
L42061
L42062
L42063
L42064
L42065
L42066
L42067
L42068
L42069
L42070
L42071
L42072
L42073
L42074
L42075
L42076
L42077
L42078
L42079
L42080
L42081
L42082
L42083
L42084
L42085
L42086
L42087
L42088
L42089
L42090
L42091
L42092
L42093
L42094
L42095
L42096
L42097
L42098
L42099
L42100
L42101
L42102
L42103
L42104
L42105
L42106
L42107
L42108
L42109
L42110
L42111
L42112
L42113
L42114
L42115
L42116
L42117
L42118
L42119
L42120
L42121
L42122
L42123
L42124
L42125
L42126
L42127
L42128
L42129
L42130
L42131
L42132
L42133
L42134
L42135
L42136
L42137
L42138
L42139
L42140
L42141
L42142
L42143
L42144
L42145
L42146
L42147
L42148
L42149
L42150
L42151
L42152
L42153
L42154
L42155
L42156
L42157
L42158
L42159
L42160
L42161
L42162
L42163
L42164
L42165
L42166
L42167
L42168
L42169
L42170
L42171
L42172
L42173
L42174
L42175
L42176
L42177
L42178
L42179
L42180
L42181
L42182
L42183
L42184
L42185
L42186
L42187
L42188
L42189
L42190
L42191
L42192
L42193
L42194
L42195
L42196
L42197
L42198
L42199
L42200
L42201
L42202
L42203
L42204
L42205
L42206
L42207
L42208
L42209
L42210
L42211
L42212
L42213
L42214
L42215
L42216
L42217
L42218
L42219
L42220
L42221
L42222
L42223
L42224
L42225
L42226
L42227
L42228
L42229
L42230
L42231
L42232
L42233
L42234
L42235
L42236
L42237
L42238
L42239
L42240
L42241
L42242
L42243
L42244
L42245
L42246
L42247
L42248
L42249
L42250
L42251
L42252
L42253
L42254
L42255
L42256
L42257
L42258
L42259
L42260
L42261
L42262
L42263
L42264
L42265
L42266
L42267
L42268
L42269
L42270
L42271
L42272
L42273
L42274
L42275
L42276
L42277
L42278
L42279
L42280
L42281
L42282
L42283
L42284
L42285
L42286
L42287
L42288
L42289
L42290
L42291
L42292
L42293
L42294
L42295
L42296
L42297
L42298
L42299
L42300
L42301
L42302
L42303
L42304
L42305
L42306
L42307
L42308
L42309
L42310
L42311
L42312
L42313
L42314
L42315
L42316
L42317
L42318
L42319
L42320
L42321
L42322
L42323
L42324
L42325
L42326
L42327
L42328
L42329
L42330
L42331
L42332
L42333
L42334
L42335
L42336
L42337
L42338
L42339
L42340
L42341
L42342
L42343
L42344
L42345
L42346
L42347
L42348
L42349
L42350
L42351
L42352
L42353
L42354
L42355
L42356
L42357
L42358
L42359
L42360
L42361
L42362
L42363
L42364
L42365
L42366
L42367
L42368
L42369
L42370
L42371
L42372
L42373
L42374
L42375
L42376
L42377
L42378
L42379
L42380
L42381
L42382
L42383
L42384
L42385
L42386
L42387
L42388
L42389
L42390
L42391
L42392
L42393
L42394
L42395
L42396
L42397
L42398
L42399
L42400
L42401
L42402
L42403
L42404
L42405
L42406
L42407
L42408
L42409
L42410
L42411
L42412
L42413
L42414
L42415
L42416
L42417
L42418
L42419
L42420
L42421
L42422
L42423
L42424
L42425
L42426
L42427
L42428
L42429
L42430
L42431
L42432
L42433
L42434
L42435
L42436
L42437
L42438
L42439
L42440
L42441
L42442
L42443
L42444
L42445
L42446
L42447
L42448
L42449
L42450
L42451
L42452
L42453
L42454
L42455
L42456
L42457
L42458
L42459
L42460
L42461
L42462
L42463
L42464
L42465
L42466
L42467
L42468
L42469
L42470
L42471
L42472
L42473
L42474
L42475
L42476
L42477
L42478
L42479
L42480
L42481
L42482
L42483
L42484
L42485
L42486
L42487
L42488
L42489
L42490
L42491
L42492
L42493
L42494
L42495
L42496
L42497
L42498
L42499
L42500
L42501
L42502
L42503
L42504
L42505
L42506
L42507
L42508
L42509
L42510
L42511
L42512
L42513
L42514
L42515
L42516
L42517
L42518
L42519
L42520
L42521
L42522
L42523
L42524
L42525
L42526
L42527
L42528
L42529
L42530
L42531
L42532
L42533
L42534
L42535
L42536
L42537
L42538
L42539
L42540
L42541
L42542
L42543
L42544
L42545
L42546
L42547
L42548
L42549
L42550
L42551
L42552
L42553
L42554
L42555
L42556
L42557
L42558
L42559
L42560
L42561
L42562
L42563
L42564
L42565
L42566
L42567
L42568
L42569
L42570
L42571
L42572
L42573
L42574
L42575
L42576
L42577
L42578
L42579
L42580
L42581
L42582
L42583
L42584
L42585
L42586
L42587
L42588
L42589
L42590
L42591
L42592
L42593
L42594
L42595
L42596
L42597
L42598
L42599
L42600
L42601
L42602
L42603
L42604
L42605
L42606
L42607
L42608
L42609
L42610
L42611
L42612
L42613
L42614
L42615
L42616
L42617
L42618
L42619
L42620
L42621
L42622
L42623
L42624
L42625
L42626
L42627
L42628
L42629
L42630
L42631
L42632
L42633
L42634
L42635
L42636
L42637
L42638
L42639
L42640
L42641
L42642
L42643
L42644
L42645
L42646
L42647
L42648
L42649
L42650
L42651
L42652
L42653
L42654
L42655
L42656
L42657
L42658
L42659
L42660
L42661
L42662
L42663
L42664
L42665
L42666
L42667
L42668
L42669
L42670
L42671
L42672
L42673
L42674
L42675
L42676
L42677
L42678
L42679
L42680
L42681
L42682
L42683
L42684
L42685
L42686
L42687
L42688
L42689
L42690
L42691
L42692
L42693
L42694
L42695
L42696
L42697
L42698
L42699
L42700
L42701
L42702
L42703
L42704
L42705
L42706
L42707
L42708
L42709
L42710
L42711
L42712
L42713
L42714
L42715
L42716
L42717
L42718
L42719
L42720
L42721
L42722
L42723
L42724
L42725
L42726
L42727
L42728
L42729
L42730
L42731
L42732
L42733
L42734
L42735
L42736
L42737
L42738
L42739
L42740
L42741
L42742
L42743
L42744
L42745
L42746
L42747
L42748
L42749
L42750
L42751
L42752
L42753
L42754
L42755
L42756
L42757
L42758
L42759
L42760
L42761
L42762
L42763
L42764
L42765
L42766
L42767
L42768
L42769
L42770
L42771
L42772
L42773
L42774
L42775
L42776
L42777
L42778
L42779
L42780
L42781
L42782
L42783
L42784
L42785
L42786
L42787
L42788
L42789
L42790
L42791
L42792
L42793
L42794
L42795
L42796
L42797
L42798
L42799
L42800
L42801
L42802
L42803
L42804
L42805
L42806
L42807
L42808
L42809
L42810
L42811
L42812
L42813
L42814
L42815
L42816
L42817
L42818
L42819
L42820
L42821
L42822
L42823
L42824
L42825
L42826
L42827
L42828
L42829
L42830
L42831
L42832
L42833
L42834
L42835
L42836
L42837
L42838
L42839
L42840
L42841
L42842
L42843
L42844
L42845
L42846
L42847
L42848
L42849
L42850
L42851
L42852
L42853
L42854
L42855
L42856
L42857
L42858
L42859
L42860
L42861
L42862
L42863
L42864
L42865
L42866
L42867
L42868
L42869
L42870
L42871
L42872
L42873
L42874
L42875
L42876
L42877
L42878
L42879
L42880
L42881
L42882
L42883
L42884
L42885
L42886
L42887
L42888
L42889
L42890
L42891
L42892
L42893
L42894
L42895
L42896
L42897
L42898
L42899
L42900
L42901
L42902
L42903
L42904
L42905
L42906
L42907
L42908
L42909
L42910
L42911
L42912
L42913
L42914
L42915
L42916
L42917
L42918
L42919
L42920
L42921
L42922
L42923
L42924
L42925
L42926
L42927
L42928
L42929
L42930
L42931
L42932
L42933
L42934
L42935
L42936
L42937
L42938
L42939
L42940
L42941
L42942
L42943
L42944
L42945
L42946
L42947
L42948
L42949
L42950
L42951
L42952
L42953
L42954
L42955
L42956
L42957
L42958
L42959
L42960
L42961
L42962
L42963
L42964
L42965
L42966
L42967
L42968
L42969
L42970
L42971
L42972
L42973
L42974
L42975
L42976
L42977
L42978
L42979
L42980
L42981
L42982
L42983
L42984
L42985
L42986
L42987
L42988
L42989
L42990
L42991
L42992
L42993
L42994
L42995
L42996
L42997
L42998
L42999
L43000
L43001
L43002
L43003
L43004
L43005
L43006
L43007
L43008
L43009
L43010
L43011
L43012
L43013
L43014
L43015
L43016
L43017
L43018
L43019
L43020
L43021
L43022
L43023
L43024
L43025
L43026
L43027
L43028
L43029
L43030
L43031
L43032
L43033
L43034
L43035
L43036
L43037
L43038
L43039
L43040
L43041
L43042
L43043
L43044
L43045
L43046
L43047
L43048
L43049
L43050
L43051
L43052
L43053
L43054
L43055
L43056
L43057
L43058
L43059
L43060
L43061
L43062
L43063
L43064
L43065
L43066
L43067
L43068
L43069
L43070
L43071
L43072
L43073
L43074
L43075
L43076
L43077
L43078
L43079
L43080
L43081
L43082
L43083
L43084
L43085
L43086
L43087
L43088
L43089
L43090
L43091
L43092
L43093
L43094
L43095
L43096
L43097
L43098
L43099
L43100
L43101
L43102
L43103
L43104
L43105
L43106
L43107
L43108
L43109
L43110
L43111
L43112
L43113
L43114
L43115
L43116
L43117
L43118
L43119
L43120
L43121
L43122
L43123
L43124
L43125
L43126
L43127
L43128
L43129
L43130
L43131
L43132
L43133
L43134
L43135
L43136
L43137
L43138
L43139
L43140
L43141
L43142
L43143
L43144
L43145
L43146
L43147
L43148
L43149
L43150
L43151
L43152
L43153
L43154
L43155
L43156
L43157
L43158
L43159
L43160
L43161
L43162
L43163
L43164
L43165
L43166
L43167
L43168
L43169
L43170
L43171
L43172
L43173
L43174
L43175
L43176
L43177
L43178
L43179
L43180
L43181
L43182
L43183
L43184
L43185
L43186
L43187
L43188
L43189
L43190
L43191
L43192
L43193
L43194
L43195
L43196
L43197
L43198
L43199
L43200
L43201
L43202
L43203
L43204
L43205
L43206
L43207
L43208
L43209
L43210
L43211
L43212
L43213
L43214
L43215
L43216
L43217
L43218
L43219
L43220
L43221
L43222
L43223
L43224
L43225
L43226
L43227
L43228
L43229
L43230
L43231
L43232
L43233
L43234
L43235
L43236
L43237
L43238
L43239
L43240
L43241
L43242
L43243
L43244
L43245
L43246
L43247
L43248
L43249
L43250
L43251
L43252
L43253
L43254
L43255
L43256
L43257
L43258
L43259
L43260
L43261
L43262
L43263
L43264
L43265
L43266
L43267
L43268
L43269
L43270
L43271
L43272
L43273
L43274
L43275
L43276
L43277
L43278
L43279
L43280
L43281
L43282
L43283
L43284
L43285
L43286
L43287
L43288
L43289
L43290
L43291

T 8861

PW4 (COOS 50508)

RECEIVED
JUL 23 1997
WATER RESOURCES DEPT.
SALEM, OREGON

T 8861

COOS 50508

WELL I.D.# 40847

27-14-31 NE-SE

(START CARD) # 93052

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 498
Name EGR
Address 2445 K. Prairie Road
City Eugene State OR Zip 97402

(2) TYPE OF WORK
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[ ] Domestic [ ] Community [ ] Industrial [X] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval [ ] Yes [X] No Depth of Completed Well 128' ft.
Explosives used [ ] Yes [X] No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
12¼	0	127	Bentonite Cement	0	30	30 sx
				30	74	145 sx
6"	127	243	Cement	120	243	17 sx

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other Bentonite Poured from surface Cement
Backfill placed from ft. to ft. Material
Gravel placed from 74 ft. to 128 ft. Size of gravel 6/9

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8"	+1'6"	96'	.250	[X]	[ ]	[X]	[ ]
		116	126"	.250	[X]	[ ]	[X]	[ ]
		(Tail	Pipe)		[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
[ ] Perforations Method Attached to Casing
[X] Screens Type Houston V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
96'	116'	.070		8"	Pipe	[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[X] Pump [ ] Bailer [ ] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
100	11'8½"	95'	1 hr.
100	13'7½"	95'	2 hrs
100	15'2½"	95'	3 hrs
100	16'4½"	95'	4 hrs

Temperature of water 52° Depth Artesian Flow Found
Was a water analysis done? [X] Yes By whom BWTS
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 Coos Latitude Longitude
Township 27 N or (S) Range 14 E or (W) WM.
Section 31 NE 1/4 SE 1/4
Tax Lot 400 Lot Block Subdivision
Street Address of Well (or nearest address) End of Randolph Road Nr Bandon

(10) STATIC WATER LEVEL:
67 3½ ft. below land surface. Date 7/15/97
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 10'

From	To	Estimated Flow Rate	SWL
10	72'	+/- 100	10'
96'	128'	+/- 164 GPM	67 3½
173	185'	+/- 50	-
Scific Capacity 5.47 Gal/FT DD			

(12) WELL LOG:
Ground Elevation +/-300'

Material	From	To	SWL
Sand Fine Brown	0	2	
Sand Fine Brn w/ interbed Clay	2	13	10'
Sand Fine-Med Brown	13	23	
Peat w/ Sand Fine-Med Brn	23	30	
Sandy Clay Gray w/ Peat lenses	30	34	
Sand Blue Gray Fine-Med	34	40	
Gravel Fine-Med w/ Sand	40	65	
Fine-Med Blue Gray			
Sand CRS-Fine w/ Gravel	65	72	
w/ Gravel Fine-Med Blue Gray			
Clay Gray w/ wood 30%	72	74	
Clay Gray w/ wood 10%	74	91	
Wood	91	92	
Wood w/ Peat	92	94	
Sandy Clay Gray	94	96	
Gravel CRS-Fine w/ Sand	96	116	67 3½
Med-Fine Gray			
Sand Med-Fine Blue Gray	116	133	
Clay Gray w/ wood	133	142	
Continued on Pg 2			

Date started 5/29/97 Completed 7/17/97

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
Signed Bandon Well + Septic Co Inc Date

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed Jim Mechler MGWC Date 7/21/97

RECEIVED

JUL 23 1997

WATER RESOURCES DEPT.
SALEM, OREGON

T 8861

27-14-31

(START CARD) # 93052

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

WELL I.D. # L10847

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 498

Name EGB

Address 2145 K Prairie Road

City Eugene State OR Zip 97402

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:

[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger

[ ] Other

(4) PROPOSED USE:

[ ] Domestic [ ] Community [ ] Industrial [X] Irrigation

[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well ____ ft.

Explosives used [ ] Yes [ ] No Type ____ Amount ____

HOLE Diameter	From	To	SEAL 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	Steel	Plastic	Welded	Threaded
Casing:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:

[ ] Perforations Method ____

[ ] Screens Type ____ Material ____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

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

[ ] Pump [ ] Bailer [ ] 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 Coos Latitude ____ Longitude ____

Township 27 N or [ ] S Range 14 E of [W] WM.

Section 31 NE 1/4 SE 1/4

Tax Lot 400 Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) End of Randolph Rd in Bandon

(10) STATIC WATER LEVEL:

____ ft. below land surface. Date ____

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found ____

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:

Ground Elevation ____

Continued From Pg 1

Material	From	To	SWL
Clay Gray	142	149	
Sandy Clay Gray	149	173	
Gravel Med-Fine Green	173	185	?
w/Sand Med-Fine			
Gravel Med-Fine w/Sand	185	196	
Med-Fine Green + Mixed			
Clay Lenses			
Sandy Clay Gray	196	216	
Sandy Clay Gray Med hard	216	243	

Date started 5-29-97 Completed 7-17-97

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number ____

Signed Bandon Well & Septic Co. Inc Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed Jack Mark Jr. MGWC Date 7-21-97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

T 8861

WELL 1 (COOS 1252)

14 (COOS 1252) T8861 T28S/R14W/S5 NWNW

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

NOV 14 1994

WATER RESOURCES DEPT. SALEM, OREGON

(START CARD) # 71678 66

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 322

Name Michael Kiesse

Address 2430 N Lakeview

City Chicago State IL Zip 60614

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☐ Rotary Air ☐ Rotary Mud ☒ Cable ☐ Auger

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Livestock ☒ Other Test well

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 44' 10" ft.

Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	18	Cement	0	18	10
6"	18	50				

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	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	38'11"	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

☐ Perforations Method Telescope

☒ Screens Type Johnson V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
38'11"	44'10"	.016		6"	Tele	☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
16.2	17'2"	44	1 hr.

Temperature of water 52° 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 Coos Latitude _____ Longitude _____

Township 28 N or (S) Range 14 E or (W) WM.

Section 5 NW 1/4 NW 1/4

Tax Lot 100/200 Lot _____ Block _____ Subdivision _____

Street Address of Well (or nearest address) Randolph Rd. Bandon

North well

(10) STATIC WATER LEVEL:

19'2" ft. below land surface. Date 11/1/94

Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 19'2"

From	To	Estimated Flow Rate	SWL
19'2"	44'	27	19'2"

(12) WELL LOG:

Ground Elevation +/-200'

Material	From	To	SWL
Sand Fine Brown	0	27	19'2"
Sand w/wood med. Brown	27	29	
Gravel medium - Fine w/	29	44	
Sand medium - Fine Grey + Brown			
Clay Sandy Grey +	44	50	
Brown			

Date started 10/31/94 Completed 11/2/94

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number _____

Signed _____ Date _____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed John Mack Jr. MGWC Date 11/10/94

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

T 8861

WELL 2 (COOS 1253; COOS 51152, L25195)

T 8861

19

COOS 1253

RECEIVED

NOV 1 4 1994

WATER RESOURCES DEPT.
SALEM, OREGON

T28S/R14W/S5 NWa

(START CARD) # 71679 66

STATE OF OREGON WATER WELL REPORT

(as required by ORS 537.765)

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 323

Name Michael Kiesel

Address 2450 N LAKEVIEW

City Chicago State IL Zip 60614

(2) TYPE OF WORK

☑ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Livestock ☒ Other Test well

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 125'4" ft.

Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	29	Bentonite	0	40	36 SX
9"	29	125	Cement	65	85	4 SX

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E

☒ Other Bentonite Poured from Surface

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

Gravel placed from 85 ft. to 125 ft. Size of gravel 8/12 10/20

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	5"	+1	1108"	190	☐	☒	☒	☐
		116'1"	125'4"	190	☐	☒	☒	☐
					☐	☐	☐	☐
	8"	+1'6"	4'	.250	☒	☐	☐	☐
Liner:	(Protective Casing)				☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

☐ Perforations Method Attached to Casing

☒ Screens Type Houston V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
1108'	116'1"	.016		5"	Pipe	☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
+/- 50	—	125'	1 hr.

Temperature of water 52° 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 Coos Latitude _____ Longitude _____

Township 28 N or ☒ Range 14 E or ☒ WM.

Section 5 NW 1/4 NW 1/4

Tax Lot 100/200 Lot _____ Block _____ Subdivision _____

Street Address of Well (or nearest address) Randolph Rd West well Bandon

(10) STATIC WATER LEVEL:

57' ft. below land surface. Date 11/7/94

Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 16'9"

From	To	Estimated Flow Rate	SWL
16'9	60'	20	16'9
107	125	50	57

(12) WELL LOG:

Ground Elevation +/-200'

Material	From	To	SWL
Sand w/Peat Fine Brown	0	2	
Sand Fine Brown	2	8	
Sand Fine Dark Brown	8	22	16'9
Wood w/Peat and Fine	22	24	
Sand Dark Brown			
Sand Fine Dark Brown	24	36	
Gravel Fine w/Fine Sand	36	37	
Gray			
Sand Fine Gray	37	56	
Sandy Peat Dark Brown	56	60	
W/Fine Gravel			
Blue Clay	60	79	
Sand Coarse Brown	79	91	
Sandy Clay Brown	91	94	
Sandy Clay Tan	94	107	
Gravel Medium - Fine	107	117	57'
W/Sand medium Grey + Orange			
Sand w/Sandy Clay	117	125	
Medium Grey			

Date started 11/3/94 Completed 11/7/94

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number _____

Signed _____ Date _____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed Jim Mackey M.GWC Date 11/10/94

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

T 8861

COOS
51152

28-14-5

WELL I.D. # L 25195

START CARD # 111507

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

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 599

Name Michael Keiser / Bandon Dunes

Address 2450 N Lakeview

City Chicago State IL Zip 60614

(2) TYPE OF WORK

☐ New Well ☐ Deepening ☒ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☐ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger

☒ Other Man Power

(4) PROPOSED USE:

☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 125' ft.

Explosives used ☐ Yes ☒ No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	29	Bentonite	0	40	36 sx
9"	29	125	Cement	65	85	45 sx
Seal Previously installed						

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E

☒ Other Bentonite Poured from cement Surface

Backfill placed from ____ ft. to ____ ft. Material ____

Gravel placed from 85 ft. to 125 ft. Size of gravel 8/16 to 20

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1'6"	-2'6"	.250	☒	☐	☐	☐
	5"	-2'6	110'8"	190#	☐	☒	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:

☐ Perforations Method Attached to Casing

☒ Screens Type Houston V-wire Material SS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
110'8"	116'1"	.016		5"	Pipe	☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
+/-50	-	125'	1 hr.

Temperature of water 52° 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 Coos Latitude ____ Longitude ____

Township 28 N or (S) Range 14 E or (W) WM.

Section 5 NW 1/4 NW 1/4

Tax Lot 100 Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) Randolph Rd. West Well Bandon

(10) STATIC WATER LEVEL:

57' ft. below land surface. Date 10/20/98

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found 16'9"

From	To	Estimated Flow Rate	SWL
16'9	60	20	169
107	125	50	57'

(12) WELL LOG:

Ground Elevation +/-200'

Material	From	To	SWL
Well Previously Drilled 11/7/94 Customer Requested Pitless adapter Be installed. Installed 2" outlet Pitless adapter + Cap			

RECEIVED

NOV 17 1998

WATER RESOURCES DEPT.
SALEM, OREGON

Date started 9/29/98 Completed 10/20/98

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number ____

Signed Bandon Well & Septic Co inc. Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed Jon Mack A. McGue Date 11/16/98

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

T 8861

WELL 3 (COOS 1254)

T8861

19

COOS 1254

NOV 1 4 1994

T28S/R14W/S5 NWdb.

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

WATER RESOURCES DEP (START CARD) # 71680

Instructions for completing this report are on the last page of this form.

SALEM, OREGON

(1) OWNER: Well Number 324

Name Michael Kieser

Address 2450 N Lakeview

City Chicago State IL Zip 60614

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(8) DRILL METHOD:

[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger

[ ] Other

(4) PROPOSED USE:

[ ] Domestic [ ] Community [ ] Industrial [ ] Irrigation

[ ] Thermal [ ] Injection [ ] Livestock [X] Other Test well

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well 40'-8"

Explosives used [ ] Yes [X] No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	41	Bentonite	0	29	285#

How was seal placed: Method [ ] A [ ] B [ ] C [ ] D [ ] E

[X] Other Poured from Surface

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

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	5"	+1	353'	160	[ ]	[X]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
	8"	+1'6"	4"	.250	[X]	[ ]	[ ]	[ ]
	(Protective Casing)				[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

[ ] Perforations Method Attached to Casing

[X] Screens Type Houston V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
353'	40'-8"	.016		5"	Pipe	[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

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

[X] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
20	—	40'	1 hr.

Temperature of water 52° 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 Coos Latitude _____ Longitude _____

Township 28 N or (S) Range 14 E or (W) WM.

Section 5 NW 1/4 NW 1/4

Tax Lot 100&200 Lot _____ Block _____ Subdivision _____

Street Address of Well (or nearest address) Randolph Rd. South Well Bandon

(10) STATIC WATER LEVEL:

14' ft. below land surface. Date 11/8/94

Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 14'

From	To	Estimated Flow Rate	SWL
14	40	20+	14'

(12) WELL LOG:

Ground Elevation +/-200'

Material	From	To	SWL
Sandy Peat	0	2	
Sandy Clay orange	2	5	
Sand Brown Fine	5	18	14'
Peat w/ wood DK Brown	18	22	
Gravel medium-Fine w/ Course-Fine Sand Grey	22	40	
Clay Sandy Brown	40	41	

Date started 11/7/94 Completed 11/8/94

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number _____

Signed _____ Date _____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed Jim Markstr. MGWC Date 11/10/94

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

T 8861

L34007 (COOS 51622)

T 8861

RECEIVED

MAY 11 2000

WATER RESOURCES DEPT.
SALEM, OREGON

Coos
51622

27-14-29

WELL I.D. # L 34007

START CARD # 123839

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

(Pg 1)

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 701

Name Bandon Dunes

Address 57744 Round Lake Drive

City Bandon State OR Zip 97411

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation

☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 153' ft. TOC

Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
14"	0	20	Bentonite/Cement	0	20	9 cement/25 Bent
12 1/4	20	152	Cement	0	90	25 SX
6"	152	200	Cement	155	200	6 SX

How was seal placed: Method ☐ A ☐ B ☒ Con ☐ D ☐ E

☒ Other Poured from Surface

Backfill placed from ft. to ft. Material

Gravel placed from 90 ft. to 152 ft. Size of gravel Pea

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8"	+1	111'3	.250	☒	☐	☒	☐
	8"	129'3	139'7	.250	☒	☐	☒	☐
	8"	141'7	151'9	.250	☒	☐	☒	☐
		(Tail)	Pipe		☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method Attached to Casing

☒ Screens Type Johnson V-wire Material S.S

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
111'3	129'3	.120		8"	Pipe	☐	☐
134'7	141'7	.120		8"	Pipe	☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
96.3	12'	136	24 1/2 hr.
160	16'1"	136	5 hr

Temperature of water 52° 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 Coos Latitude Longitude

Township 27 N or S Range 14 E or W WM.

Section 29 SE 1/4 SW 1/4

Tax Lot 1200 Lot Block Subdivision

Street Address of Well (or nearest address) 57744 Round Lake Dr. Bandon

Well #4

(10) STATIC WATER LEVEL:

84'2" ft. below land surface. Date 5/2/00

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 3'

From	To	Estimated Flow Rate	SWL
3	74	+/-100	3'
106	142	500-600	84'2
Specific Capacity		10 gal/FT @ DD	
192	194	20 +/-	3

(12) WELL LOG:

Ground Elevation +/- 250'

Material	From	To	SWL
Sand Fine - med Brown	0	5	3
Peat w/ Sand Fine - med Brn	5	8	
Sand Fine - med Brown	8	16	
Sandy Clay Tan	16	17	
Sand Fine - med Brown	17	20	
Sandy Clay orange w/ sand	20	21	
Fine - med Brown	[illegible]	[illegible]	
Sand Fine - med Brown	30	30	
Sandy Clay Tan	30	31	
Sand Fine - med Brown	31	44	
Peat Brown	44	45	
Sand Fine - med Brown	45	53	
Gravel Fine - med w/ Sand	53	55	
Fine - CLS Brown			
Gravel med - Fine w/ Sand	55	74	
Fine - CLS Brown Iron Stained			
Gravel Fine - med w/ Sand	74	75	
Clay lenses Brown			
See Page 2			

Date started 3/24/00 Completed 5/6/00

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number

Signed Bandon Well + Septic Co. Inc Date

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed [signature] Date 5/5/00

ORIGINAL - WATER RESOURCES DEPARTMENT FIRST COPY - CONSTRUCTOR SECOND COPY - CUSTOMER

T 8861

Coos
51622

RECEIVED
MAY 11 2000
WATER RESOURCES DEPT
SALEM, OREGON

27-14-29

Pg 7

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

WELL I.D. # L 34007
START CARD # 123839

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 701
Name Landon Dynes
Address 57744 Round Lake Drive
City Bandon State OR Zip 97411

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

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

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

HOLE Diameter	From	To	SEAL 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	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) ____

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

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☐ 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 Coos Latitude ____ Longitude ____
Township 27 N or S Range 14 E or W WM.
Section 29 52 1/4 SW 1/4
Tax Lot 1200 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) 57744 Round Lake Dr Bandon
Well #4

(10) STATIC WATER LEVEL:
____ ft. below land surface. Date ____
Artesian pressure ____ lb. per square inch. Date ____

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

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:
Ground Elevation ____

Material	From	To	SWL
Gravel Fine - med Gray w/ Gray Green Clay	75	79	
wood w/ clay Sandy Gray + Fine Gravel	79	80	
Silty Clay Gray Brown	80	91	
Silty Clay Blue Gray w/wood	91	101	
Wood w/ Silty Clay Blue Gray	101	106	
Gravel Fine - med Gray	106	108	84'2
Gravel CRS - Fine Gray Brown	108	130	
Gravel Fine - CRS w/wood + Brown Clay	130	135	
Gravel Fine - CRS Green Gray	135	142	
Sandy Clay Green Gray	142	145	
Silty Clay Gray	145	171	
Silty Clay Gray w/ Fine gravel lens.	171	175	
Silty Clay Green Gray	175	192	
Gravel med - Fine Gray	192	194	3
Silty Clay Green Gray	194	200	

Date started 3/24/00 Completed 5/6/00

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed Bandon Well & Septic Co Inc Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed Jim Mackie MGWC Date 5/9/00

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

T-8861

L34008 (COOS 51626)

RECEIVED

MAY 2 6 2000

WATER RESOURCES DEPT.
SALEM, OREGON

T 8861

Coos
51626

27-14-29
WELL I.D. # L 34808
START CARD # 123840

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

(1)

(1) OWNER: Well Number 702
Name Landon Dunes
Address 57744 Round Lake Drive
City Bandon State OR Zip 97411

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 141'6" ft.
Explosives used ☐ Yes ☒ No Type ____ Amount ____ TOC

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
12 1/4"	0	140	Cement	0	105	50 SX
6"	140	220	Cement	145	220	12 SX

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ____ ft. to ____ ft. Material ____
Gravel placed from 105 ft. to 145 ft. Size of gravel Pea

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8"	+1'6	115'4"	.250	☒	☐	☒	☐
	8"	131'4	141'6"	.250	☒	☐	☒	☐
	(Tail Pipe)				☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:
☐ Perforations Method Attached To Casing
☒ Screens Type Johnson V-wire Material SS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
115'4"	131'4"	.120		8"	Pipe	☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
114.8	12' 7 1/2"	126	1 hr.
105.8	15' 8 1/2"	126	25 hr 20 min

Temperature of water 52° 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 Coos Latitude ____ Longitude ____
Township 27 N or S Range 14 E or W WM.
Section 29 NE 1/4 SW 1/4
Tax Lot 1200 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) 57744 Round Lake Dr #3 Bandon

(10) STATIC WATER LEVEL:
94'11" ft. below land surface. Date 5/16/00
Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 15'

From	To	Estimated Flow Rate	SWL
15	70	80+	15'
108	130	121	94'11"
172	173	5-10	?
190	193	20-50	?

(12) WELL LOG:
Ground Elevation +/-300'

Material	From	To	SWL
Top Soil Sandy	0	1	
Sand Fine Brown	1	8	
Silty Clay Gray Brown	8	10	
Sandy Clay Brown	10	12	
Sand Fine-med Brown	12	30	15'
Peat w/Sandy Clay white and wood	30	31	
Sand Fine-med Brown Gray	31	39	
Wood w/Sand Fine-Med Brown	39	40	
Sand Fine-Med Gray Brn	40	43	
Peat w/wood	43	44	
Sand Fine-med Gray Brn	44	48	
Sand Fine-med w/Fine Gravel Gray	48	50	
Gravel Fine Gray orange w/ Sand Fine-med	50	55	
Gravel Fine-med w/Sand Fine-med Brown	55	65	
Gravel med-Fine w/Sand CRS-Fine Brown	65	79	

Date started 5/29/00 Completed 5/16/00

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed Bandon Well & Septic Co Inc Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed Jon Mackey MGWC Date 5/24/00

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

Coos Dr 7

T8861

RECEIVED

MAY 26 2000

WATER RESOURCES DEPT.
SALEM, OREGON

COOS
51626
(2)

27-14-29
WELL I.D. # L 34008
START CARD # 123840

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

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 702
Name Bandon Dunes
Address 57744 Round Lake Drive
City Bandon State OR Zip 97411

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

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

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

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

HOLE Diameter	From	To	SEAL 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	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) ____

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

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☐ Pump ☐ Bailer ☐ 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 Coos Latitude ____ Longitude ____
Township 27 N or S Range 14 E or W WM.
Section 29 NE 1/4 SW 1/4
Tax Lot 1200 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) 57744 Round Lake Dr #3 Bandon

(10) STATIC WATER LEVEL:
____ ft. below land surface. Date ____
Artesian pressure ____ lb. per square inch. Date ____

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

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:
Ground Elevation ____

Material	From	To	SWL
Silty Clay Gray w/Peat	79	80	
Silty Clay Blue Gray	80	100	
Silty Clay Blue Gray w/	100	108	
Wood and 5% Fine Gravel			
Gravel med - Fine Gray	108	109	94'11"
Wood w/silty Clay Gray +	109	111	
5% med Gravel			
Silty Clay Gray	111	114	
Gravel med - Fine w/Sand	114	120	
med - Fine Gray			
Gravel CRS-Fine Gray	120	128	
Gravel med - Fine Gray	128	130	
Silty Clay Gray	130	172	
Gravel-Fine-med Gray	172	173	?
Silty Clay Green Gray	173	190	
Gravel Fine-med Gray	190	193	?
Silty Clay Green Gray	193	220	

Date started 3/29/00 Completed 5/16/00

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number ____
Signed Bandon Well & Septic Co inc. Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493
Signed John Mock Jr. MGWC Date 5/24/00

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

T 8861

L34018

NOTE: A provisional well log is supplied at this time for this well. This is not a complete well log or registered well because the well has not been completed. The well was initially drilled to approximately 155 feet. It was sounded on July 13, 2001, and the static water level was measured. The bottom of the incomplete well is currently approximately 82 feet below the ground surface (bgs). The static water level is approximately 23 feet bgs. The well is not developed or completed at this time, but the intent is to install a liner and screen to complete the well construction at its current depth, pending approval to complete the well at its current depth by OWRD. The well appears to be a good supply of water, capable of producing a few hundred gpm.

T8861

STATE OF OREGON
GEOTECHNICAL HOLE REPORT
(as required by OAR 690-240-035)

Pg 1

(1) OWNER/PROJECT: Hole Number 716
Name Bandon Dunes Golf Course
Address Round Lake Dr 57744
City Bandon State OR Zip 9741

(2) TYPE OF WORK
☒ New ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) CONSTRUCTION:
☐ Rotary Air ☐ Hand Auger ☐ Hollow Stem Auger
☒ Rotary Mud ☐ Cable Tool ☐ Push Probe ☐ Other

(4) TYPE OF HOLE:
☐ Uncased Temporary ☒ Cased Permanent
☐ Uncased Permanent ☐ Slope Stability ☐ Other

(5) USE OF HOLE: Check formation for water supply

(6) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Hole 155 ft.

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	18	Bentonite	0	18	15 sk
6"	18	155	Cement	99	155	9 sk

Backfill placed from ____ ft. to ____ ft. Material ____
Filter Pack placed from ____ ft. to ____ ft. Size of pack ____

(7) CASING/SCREEN:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	19	160#	☐	☒	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Screen:					☐	☐	☐	☐
					☐	☐	☐	☐

Slot size ____

(8) WELL TEST:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian
Permeability ____ Yield +/-200 GPM ____
Conductivity ____ PH ____
Temperature of water ____ °F/C Depth artesian flow found ____ ft.
Was water analysis done? ☐ Yes ☒ No
By whom? ____
Depth of strata analyzed. From ____ ft. to ____ ft.
Remarks: ____

(9) LOCATION OF HOLE by legal description:
County Coos Latitude ____ Longitude ____
Township 27 N or S Range 14 E or W WM.
Section 29 NE 1/4 NW 1/4
Tax Lot 400 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) 57744 Round Lake Dr.

Map with location identified must be attached

(10) STATIC WATER LEVEL:
12' ft. below land surface. Date 6/29/00
Artesian pressure ____ lb. per square inch. Date ____

(11) SUBSURFACE LOG:
Ground Elevation +/-300'

Material Description	From	To	SWL
Sand Fine Brown	0	1	
Sand Fine Orange Brown	1	8	
Peat w/Sand Fine Brown	8	10	
Sand Fine Brown	10	17	12'
Sandy Clay White w/Peat	17	19	
Sand Fine-Med Brown	19	40	
Sand Fine-med Gray brn	40	50	
Gravel Fine-med w/Sand	50	55	
CBS-Fine, Gray			

Date Started 6/29/00 Date Completed 6/29/00

(12) ABANDONMENT LOG:

Material Description	From	To	Sacks or Pounds
See Page 2.			

Date started ____ Date Completed ____

Professional Certification
(to be signed by a licensed water supply or monitoring well constructor, or Oregon registered geologist or civil engineer).

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

License or Registration Number 1093
Signed Jon Mackie Date 6/30/00
Affiliation Bandon Well & Septic Co Inc

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

STATE OF OREGON
GEOTECHNICAL HOLE REPORT

EXTENDED PAGE 2.1

T 8861

GEOTECHNICAL HOLE REPORT

(as required by OAR 690-240-035)

Pg 2

(1) OWNER/PROJECT: Hole Number 7/6

Name Bandon Dunes Golf Course

Address 57744 Round Lake Dr

City Bandon State OR Zip 97411

(2) TYPE OF WORK

☐ New ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) CONSTRUCTION:

☐ Rotary Air ☐ Hand Auger ☐ Hollow Stem Auger

☐ Rotary Mud ☐ Cable Tool ☐ Push Probe ☐ Other

(4) TYPE OF HOLE:

☐ Uncased Temporary ☐ Cased Permanent

☐ Uncased Permanent ☐ Slope Stability ☐ Other

(5) USE OF HOLE:

(6) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☐ No Depth of Completed Hole ____ ft.

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds

Backfill placed from ____ ft. to ____ ft. Material

Filter Pack placed from ____ ft. to ____ ft. Size of puck

(7) CASING/SCREEN:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Screen:					☐	☐	☐	☐
					☐	☐	☐	☐

Slot size

(8) WELL TEST:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Permeability Yield GPM

Conductivity PH

Temperature of water °F/C Depth artesian flow found ft.

Was water analysis done? ☐ Yes ☐ No

By whom?

Depth of strata analyzed. From ft. to ft.

Remarks:

(9) LOCATION OF HOLE by legal description:

County Coos Latitude Longitude

Township 27 N or S Range 14 E or W WM.

Section 29 NE 1/4 NW 1/4

Tax Lot 400 Lot Block Subdivision

Street Address of Well (or nearest address) 57744 Round Lake Dr.

Map with location identified must be attached

(10) STATIC WATER LEVEL:

12' ft. below land surface. Date 6/29/00

Artesian pressure lb. per square inch. Date

(11) SUBSURFACE LOG:

Ground Elevation

Material Description	From	To	SWL
Gravel Fine CES w/Sand CES	55	70	12'
Fine - Gray brown			
Gravel Fine-med w/Sand CES	70	76	
-Fine Brown			
Clay Gray Green	76	89	
Silty Clay Gray	89	96	
Silty Clay Gray w/wood	96	99	
Silty Clay Gray	99	105	
wood w/Silty Clay Gray	105	110	

Date Started 6/29/00 Date Completed 6/29/00

(12) ABANDONMENT LOG:

Material Description	From	To	Sacks or Pounds
See Page 3			

Date started Date Completed

Professional Certification

(to be signed by a licensed water supply or monitoring well constructor, or Oregon registered geologist or civil engineer).

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

License or Registration Number 1493

Signed Jon Mackey Date 6/29/00

Affiliation Bandon Well & Septic Co Inc.

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

T 8861

STATE OF OREGON
GEOTECHNICAL HOLE REPORT
(as required by OAR 690-240-035)

Pg 3

(1) OWNER/PROJECT: Hole Number 7/6
Name Bandon Dunes Golf Course
Address 57744 Round Lake Dr.
City Bandon State OR Zip 97411

(2) TYPE OF WORK
☐ New ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) CONSTRUCTION:
☐ Rotary Air ☐ Hand Auger ☐ Hollow Stem Auger
☐ Rotary Mud ☐ Cable Tool ☐ Push Probe ☐ Other

(4) TYPE OF HOLE:
☐ Uncased Temporary ☐ Cased Permanent
☐ Uncased Permanent ☐ Slope Stability ☐ Other

(5) USE OF HOLE:

(6) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☐ No Depth of Completed Hole ____ ft.

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds

Backfill placed from ____ ft. to ____ ft. Material
Filter Pack placed from ____ ft. to ____ ft. Size of pack

(7) CASING/SCREEN:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Screen:					☐	☐	☐	☐
					☐	☐	☐	☐

Slot size

(8) WELL TEST:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian
Permeability Yield GPM
Conductivity PH
Temperature of water °F/C Depth artesian flow found ____ ft.
Was water analysis done? ☐ Yes ☐ No
By whom?
Depth of strata analyzed. From ____ ft. to ____ ft.
Remarks:

(9) LOCATION OF HOLE by legal description:
County Coos Latitude Longitude
Township 27 N or S Range 14 E or W WM
Section 29 NE 1/4 NW 1/4
Tax Lot 400 Lot Block Subdivision
Street Address of Well (or nearest address) 57744 Round Lake Dr

Map with location identified must be attached

(10) STATIC WATER LEVEL:
12' ft. below land surface. Date 6/29/00
Artesian pressure ____ lb. per square inch. Date

(11) SUBSURFACE LOG:
Ground Elevation

Material Description	From	To	SWL
Silty Clay gray w/peat + wood	110	114	
Silty Clay Grey	114	120	
Gravel Fine-CBS w/Sand Fine-CBS Gray	120	125	?
Silty Clay Gray Green hard	125	136	
Silty Clay Gray w/Shell	136	140	
Silty Clay Gray w/shell, Fine Gravel + Wood	140	145	
Siltstone Lt Gray hard	145	155	

Date Started 6/29/00 Date Completed 6/29/00

(12) ABANDONMENT LOG:

Material Description	From	To	Sacks or Pounds

Date started Date Completed

Professional Certification
(to be signed by a licensed water supply or monitoring well constructor, or Oregon registered geologist or civil engineer)

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

License or Registration Number 1493
Signed Jon Mackie Date 6/30/00
Affiliation Bandon Well & Septic Co Inc

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

ORIGINAL - WATER RESOURCES DEPARTMENT FIRST COPY - CONSTRUCTOR SECOND COPY - CUSTOMER

T 8861

L34030 (COOS 51649)

T 8861

COOS 51649

COOS
51649

27-14-29

WELL I.D. # L 34030

START CARD # 111544

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

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 711

Name Bandon Dunes

Address 57744 Round Lake Drive

City Bandon State OR Zip 97411

(2) TYPE OF WORK

☐ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation

☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 96'8" ft.

Explosives used ☐ Yes ☒ No Type ____ Amount ____ TOC

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
15"	0	97	Bentonite	0	40	37 SX
6"	97	185	Cement	100	185	15 SX

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E

☒ Other Bentonite Poured from surface cement

Backfill placed from ____ ft. to ____ ft. Material ____

Gravel placed from 40 ft. to 96 ft. Size of gravel 3/8 x 6

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	10"	+1	66'5	.250	☒	☐	☒	☐
	10"	86'6"	96'8"	.250	☒	☐	☒	☐
	(Tail Pipe)				☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:

☐ Perforations Method Attached to Casing

☒ Screens Type Johnson V-wire Material SS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
66'5	86'6"	.130	High Flow	10"	Pipe	☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

RECEIVED
JUN 29 2000
WATER RESOURCES DEPT
SALEM, OREGON

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

☒ Pump ☐ Bailer ☐ Air ☐ Artesian

Yield gal/min	Drawdown	Drill stem at	Time
225	10'	84	1 hr.
224	14.6	84	14 1/2 hrs

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 Coos Latitude ____ Longitude ____

Township 27 N or (S) Range 14 E or (W) WM.

Section 29 SE 1/4 NW 1/4

Tax Lot 400 Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) 57744 Round Lake Dr. #2 Bandon OR 97411

(10) STATIC WATER LEVEL:

21'6" ft. below land surface. Date 6/23/00

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found 8'

From	To	Estimated Flow Rate	SWL
8	28	10	8'
33	85	+/- 900	21'6"
126	130	50	89
143	144	?	?
178	179	?	?

(12) WELL LOG:

Ground Elevation +/- 100'

Material	From	To	SWL
Sandy top soil	0	1	
Sand Fine brown	1	12	8'
Sand Fine dark brown	12	28	
wood w/ cemented sand	28	33	
Fine- med brown			
Sand Fine-med brown	33	45	21'6"
Sand Fine-med brn w/	45	52	
Sandy Clay lense white to orange			
and Cemented black sand			
Gravel Fine-med w/ sand	52	55	
CRS-Fine brown			
Gravel Fine-med w/ sand	55	65	
CRS-Fine Orange brown			
Gravel med-Fine w/ Sand	65	72	
CRS-Fine Gray brown			
Gravel CRS-Fine w/ sand	72	85	
CRS-Fine Gray			
Clay Gray	85	90	
Silty Clay Gray Green	90	100	
Continued on Pg 2			

Date started 5/26/00 Completed 6/27/00

~~(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number ____

Signed Bandon Well + Septic Co Inc Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed Jim Mackel. MGWC Date 6/28/00

ORIGINAL - WATER RESOURCES DEPARTMENT FIRST COPY - CONSTRUCTOR SECOND COPY - CUSTOMER

T8861

COOS 51649

COOS
51649

27-14-29

pg. 2

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

WELL I.D. # L 34030

START CARD # 111544

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 711

Name Brandon Dunes

Address 57444 Round Lake Drive

City Bandon State OR Zip 97444

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☐ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☐ No Depth of Completed Well ____ ft.

Explosives used ☐ Yes ☐ No Type ____ Amount ____

HOLE Diameter	From	To	SEAL 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	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:

☐ Perforations Method ____

☐ Screens Type ____ Material ____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

RECEIVED
JUN 29 2000
WATER RESOURCES DEPT.
SALEM, OREGON

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

☐ Pump ☐ Bailer ☐ 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 Coos Latitude ____ Longitude ____

Township 27 N or (S) Range 14 E or (W) WM.

Section 29 SE 1/4 NW 1/4

Tax Lot 400 Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) 57744 Round Lake Dr, Bandon OR 97411

(10) STATIC WATER LEVEL:

____ ft. below land surface. Date ____

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found ____

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:

Ground Elevation ____

Material	From	To	SWL
Clay Gray soft sticky	100	105	
Clay Green Gray w/ wood	105	110	
Silty Clay Gray w/ wood	110	121	
Sandy Clay Gray w/ Fine - med Gravel + wood	121	126	
Gravel Crs - Fine Gray	126	130	89
Gravel Crs - Fine Gray w/ wood	130	131	
Sandy Clay Gray brn w/ Gravel Crs - Fine + Sand Gray	131	138	
Silty Clay Gray	138	143	
Gravel med - Fine Gray	143	144	?
Silty Clay Gray	144	163	
Silty Clay Gray w/ Shell + Gravel med - Fine Gray	163	171	
Silty Clay Gray w/ shell	171	178	
Gravel med - Fine Gray	178	179	?
Sand Stone Green	179	180	
Clay Stone Gray	180	185	

Date started 5-26-00 Completed 6-27-00

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number ____

Signed Bandon Well & Septic Co Inc Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number ____

Signed ____ Date ____

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

#L44790

Attn: Mindy COPY FINAL COPY 28-14-5

STATE OF OREGON

WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

28-14-5

WELL I.D. # L 44790
START CARD # 135996

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Well Number 793
Name Bandon Dunes Golf Course
Address 57744 Round Lake Dr.
City Bandon State OR Zip 97411

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 124'9"
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10 1/2	0	125	Cement	40	80	125X
			Bentonite	0	40	315X

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☒ Other Bentonite Poured from Surface Cement +
Backfill placed from ft. to ft. Material
Gravel placed from 80 ft. to 125 ft. Size of gravel 6/9

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	103'	200#	☐	☒	☒	☐
	6"	114	124'	200#	☐	☒	☐	☐
	(Tail Pipe)				☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method Attached to Casing
☒ Screens Type All Slot V-wire machine Material SS

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
1039	114	.050		6"	Pipe	☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
75	30'	96	1 hr.
64.5	27	96	18.5

Temperature of water 53° Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom Butts
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 Coos Latitude Longitude
Township 28 N or ☒ S Range 14 E or ☒ W WM.
Section 5 NW 1/4 NW 1/4
Tax Lot 600 Lot Block Subdivision
Street Address of Well (or nearest address) Randolph Road Bandon

(10) STATIC WATER LEVEL:
64' ft. below land surface. Date 8/29/01
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 14

From	To	Estimated Flow Rate	SWL
14	69	+/- 40	14'
103	113	+/- 100 GPM	64
2,40 Gal/	NET of DD		

(12) WELL LOG:
Ground Elevation +/-300'

Material	From	To	SWL
Sand Fine Brown	0	26	
Peat w/Peat + Sand Fine	26	28	
Sand Fine brown	28	57	
Sand Fine Gray brown	57	69	14'
Sandy peat	69	71	
Silty Clay Green brn w/wood	71	76	
Silty Clay Green Gray w/wood ?& + Sandy Clay brown	76	80	
Sandy Clay Green w/Gravel Fine-Med	80	92	
Gravel Fine-med Green gray	92	94	
Sandy Clay Green Gray w/ Gravel Fine-med	94	101	
Sandy Clay tan Brn	101	103	
Gravel med-Fine-ces w/ Sand Fine-ces Gray blue	103	113	
Sandy Clay Gray	113	125	

Date started 8/24/01 Completed 8/30/01

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number 1758
Signed Chris Pearson Date 8/31/01

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1443
Signed Jonathan Mackie Jr. MGWC Date 8/31/01
Bandon Well & Septic Co Inc.

♦♦♦ MINERAL ANALYSIS ♦♦♦

Any Questions?
Call: Jim Mack (541) 347-3178

COPY

Well # L 44790

Bandon Well & Septic Company, Inc.
47300 Hwy 101
Bandon OR 97411

Bandon Dunes Golf Course
57744 Round Lake Dr
Bandon OR 97411

Phone #: (541) 347-5751

Test #: 1679
Date of Sample: 8/30/2001
Property Location: Randolph Rd
Source of Water Sample: New Well
Treatment Equipment Used Currently:

WATER TEST RESULTS

TEST:	RESULT:	
COLOR:	Yellow	
CLARITY:	Clear	
ODOR:	None	
TASTE:	N/A	
IRON BACTERIA:	Possible, none visible	
CHLORINE LEVEL:	N/A	
SULFIDE LEVEL	<.2	(PPM)
TANNIN LEVEL:	<1.0	(PPM)
IRON LEVEL:	5	(PPM)
PH LEVEL:	6	(7.0 = NEUTRAL, LESS = ACIDIC, MORE = ALKALINE)
MANGANESE:	0.3	(PPM)
HARDNESS LEVEL:	4	(GPG)

MINERAL ANALYSIS ONLY. If you have a concern about possible bacteria or chemical contamination, please contact us. Water samples can be taken to an Oregon State Laboratory for analysis.

SUMMARY

Acidic water with Iron and Manganese

ANALYSIS DATE: 8/31/2001 ANALYSIS BY: Laura Madden

G-13577

Timmie Brandt

From: Tim Wallin
Sent: Friday, July 23, 2010 6:04 PM
To: Blegen, Ron
Cc: Herb Mosgar; Timmie Brandt; Don Stastny
Subject: RE: Notification
Follow Up Flag: Follow up
Flag Status: Completed

Ron - the card is a courtesy card (we find many people do not read their permit carefully and then regret failing to do so later). Timmie Brandt will process the address update information.

Tim Wallin
Water Rights Program Manager
Oregon Water Resources Department
725 Summer St NE Suite A
Salem OR 97301
voice: 503.986.0891 fax: 503.986.0901 www.wrd.state.or.us
Messages to and from this email address may be available to the public under Oregon law.

From: Blegen, Ron [mailto:RBlegen@golder.com]
Sent: Friday, July 23, 2010 5:19 PM
To: customerservice
Cc: Don Stastny
Subject: Notification

Hello,
I was notified by our client (Bandon Dunes Limited Partnership) that they had received the following notecard in the mail recently:

The Water Resources Department issued a new permit for water use to you approximately six months ago. The purpose of this post card is to remind you of the importance of reading, understanding and complying with all of your permit conditions. Failure to comply with permit conditions may jeopardize your ability to use water under your permit. If you have any questions about your permit and/or conditions, please contact your local Watermaster office or the Department headquarters in Salem.

Customer Service phone: 503-986-0801
Email: customerservice@wrd.state.or.us

Your file/reference number is G- 17140

If you have sold the property, please ask the new owners of the property to contact the Department about the need to file an assignment. Alternatively let the Department know the file number, name(s) and addresses of the new owner.

Postcard #1

Was this just a courtesy card, or is there a specific permit requirement that they haven't complied with? The Owner's Representative asked me to check with you on this.

Also, the Owner's Representative reported that he now has a different contact address as follows:

Bandon Dunes Golf Resort
c/o Donald J. Stastny, Owner's Representative
2309 SW 1st, #1145
Portland OR 97201

Could you please change your records to reflect this change in the permit holder address for the following application/permit numbers:

Application No. / Permit No.
G-17140 / G-16637
G-13577 / G-13498
G-14238 / G-12806

If you need any other information, or documentation, or if this request needs to come directly from the owner or owner's representative, please let me know.

Thank you.

Ron Blegen

Ron Blegen, R.G., L.Hg. | Senior Scientist | **Golder Associates Inc.**
1430 West Broadway Road, Suite 108, Tempe, Arizona, USA 85282
T: +1 (480) 966-0153 | **F:** +1 (480) 966-0193 | **C:** +1 480 254-6670 | **E:** RBlegen@golder.com |
www.golder.com

Work Safe, Home Safe

This email transmission is confidential and may contain proprietary information for the exclusive use of the intended recipient. Any use, distribution or copying of this transmission, other than by the intended recipient, is strictly prohibited. If you are not the intended recipient, please notify the sender and delete all copies. Electronic media is susceptible to unauthorized modification, deterioration, and incompatibility. Accordingly, the electronic media version of any work product may not be relied upon.

Golder, Golder Associates and the GA globe design are trademarks of Golder Associates Corporation.

Please consider the environment before printing this email.

Golder Associates Inc.
1430 W. Broadway, Road, Suite 108
Tempe, AZ 85282
Telephone: (480) 966-0153
Fax: (480) 966-0193

July 16, 2009

Our Ref.: 033-1642-002.001

Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

Attention: Ms. Timmie Brandt

RE: OWNER CONTACT INFORMATION CHANGES
WATER RIGHT PERMIT G13498 AND NEW APPLICATION G17140

Dear Ms. Brandt:

Thank you for speaking with me earlier today. As I mentioned, Golder Associates has been working with our client, Bandon Dunes Limited Partnership (Bandon Dunes), on water rights issues. Recently, the primary contact address for Bandon Dunes has changed and we would like this change to be reflected in the OWRD water right files. The affected water rights pertain to an existing permit (Permit No. G13498) and a new application (No. G17140) now in process.

The change of contact information for the permit and new application is attached. Please update your files and ensure that any new correspondence goes to the primary contact person, Donald J. Stastny, at the address listed.

Sincerely,

GOLDER ASSOCIATES INC.

Ronald P. Blegen, RG, CWRE
Senior Project Hydrogeologist

Cc: Donald J. Stastny, StastnyBrun Architects
David Banton, Golder Associates

Bandon Dunes Limited Partnership
Water Right Contact Information

Current Permit

Water Right Application Number	G13577
Permit Number	G13498
Certificate Number	n/a
Permit Holder	Bandon Dunes Limited Partnership
Contact Name / Title	Donald J. Stastny, Owner's Representative
New Contact Address	Bandon Dunes Golf Resort c/o StastnyBrun Architects Inc. 1630 SW Morrison, Suite 210 Portland, OR 97205
Contact Phone Number	(503) 222-5533
Contact Fax Number	(503) 227-5019

Please note that a permit amendment application (T-10719) is pending.

New Permit Application (In Process with OWRD)

Water Right Application Number	G17140
Permit Number	n/a
Certificate Number	n/a
Permit Applicant:	Bandon Dunes Limited Partnership
Contact Name / Title	Donald J. Stastny, Owner's Representative
New Contact Address	Bandon Dunes Golf Resort c/o StastnyBrun Architects Inc. 1630 SW Morrison, Suite 210 Portland, OR 97205
Contact Phone Number	(503) 222-5533
Contact Fax Number	(503) 227-5019

Please note that the previous contact address associated with the permit and application (2130 Lincoln Park North, Chicago, IL 60614) is no longer valid.

Agent Contact Information:
Ron Blegen / David Banton
Golder Associates Inc.
1430 W. Broadway Road, Suite 108
Tempe, AZ 85282
Phone: 480-966-0153
Fax: 480-966-0193

Timmie Brandt

From: Timmie Brandt
Sent: Monday, July 20, 2009 10:59 AM
To: Mary Rohling; Tiffany Goetz
Cc: Timmie Brandt
Subject: G-13577, G-17140, T-10476 AND T-10719----------Contact Address Changes

Please update WRIS with the following information:

Groundwater file G-13577 / Permit G-13498 / No Certificate;
Groundwater file G-17140 / No Permit / No Certificate;
Transfer file T-10476 / Permit G-13498 (Application G-13577) AND
Transfer file T-10719 / Permit G-13498 (Application G-13577) —

Bandon Dunes Limited Partnership
C/O Donald J Stastny, Owner's Representative
Bandon Dunes Golf Resort PH#: 503-222-5533
C/O StastnyBrun Architects Inc FAX: 503-227-5019
1630 SW Morrison Suite 210
Portland OR 97205

AGENT CONTACT INFORMATION:
Ron Blegen / David Banton PH#: 480-966-0153
Golder Associates Inc. FAX: 480-966-0193
1430 W Broadway Road Suite 108
Tempe AZ 85282

OLD ADDRESS:
BANDON DUNES LIMITED PARTNERSHIP
C/O DONALD J STASTNY, OWNERS REPRESENTATIVE
2130 LINCOLN PARK NORTH
CHICAGO IL 60614

<><><><

G-13577

Timmie Brandt

From: Timmie Brandt
Sent: Monday, July 20, 2009 8:58 AM
To: Mary Rohling
Cc: Timmie Brandt
Subject: T-10476 AND T-10719----------Contact change of address

Please update WRIS with the following information:

Transfer file T-10476 / Permit G-13498 AND
Transfer file T-10719 / Permit G-13498 –

Bandon Dunes Limited Partnership
C/O Donald J Stastny, Owner's Representative
Bandon Dunes Golf Resort
C/O Stastnybrun Architects Inc
1630 SW Morrison Suite 210
Portland OR 97205

OLD ADDRESS:
Bandon Dunes Limited Partnership
C/O Donald J Stastny, Owner's Representative
2130 Lincoln Park North
Chicago IL 60614

<><><

Bandon Dunes Limited Partnership
Water Right Contact Information

Current Permit

Water Right Application Number	G13577
Permit Number	G13498
Certificate Number	n/a
Permit Holder	Bandon Dunes Limited Partnership
Contact Name / Title	Donald J. Stastny, Owner's Representative
New Contact Address	Bandon Dunes Golf Resort c/o StastnyBrun Architects Inc. 1630 SW Morrison, Suite 210 Portland, OR 97205
Contact Phone Number	(503) 222-5533
Contact Fax Number	(503) 227-5019

Please note that a permit amendment application (T-10719) is pending.

New Permit Application (In Process with OWRD)

Water Right Application Number	G17140
Permit Number	n/a
Certificate Number	n/a
Permit Applicant:	Bandon Dunes Limited Partnership
Contact Name / Title	Donald J. Stastny, Owner's Representative
New Contact Address	Bandon Dunes Golf Resort c/o StastnyBrun Architects Inc. 1630 SW Morrison, Suite 210 Portland, OR 97205
Contact Phone Number	(503) 222-5533
Contact Fax Number	(503) 227-5019

Please note that the previous contact address associated with the permit and application (2130 Lincoln Park North, Chicago, IL 60614) is no longer valid.

Agent Contact Information:
Ron Blegen / David Banton
Golder Associates Inc.
1430 W. Broadway Road, Suite 108
Tempe, AZ 85282
Phone: 480-966-0153
Fax: 480-966-0193

Golder Associates Inc.
1430 W. Broadway, Road, Suite 108
Tempe, AZ 85282
Telephone: (480) 966-0153
Fax: (480) 966-0193

Golder Associates

July 16, 2009

Our Ref.: 033-1642-002.001

Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

Attention: Ms. Timmie Brandt

RE: OWNER CONTACT INFORMATION CHANGES
WATER RIGHT PERMIT G13498 AND NEW APPLICATION G17140

Dear Ms. Brandt:

Thank you for speaking with me earlier today. As I mentioned, Golder Associates has been working with our client, Bandon Dunes Limited Partnership (Bandon Dunes), on water rights issues. Recently, the primary contact address for Bandon Dunes has changed and we would like this change to be reflected in the OWRD water right files. The affected water rights pertain to an existing permit (Permit No. G13498) and a new application (No. G17140) now in process.

The change of contact information for the permit and new application is attached. Please update your files and ensure that any new correspondence goes to the primary contact person, Donald J. Stastny, at the address listed.

Sincerely,

GOLDER ASSOCIATES INC.

Ronald P. Blegen, RG, CWRE
Senior Project Hydrogeologist

Cc: Donald J. Stastny, StastnyBrun Architects
David Banton, Golder Associates

Oregon
Theodore R. Kulongoski, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1266
503-986-0900
FAX 503-986-0904

FEBRUARY 25, 2009

BANDON DUNES LIMITED PARTNERSHIP
ATTN: HOWARD MCKEE
2130 LINCOLN PARK N / 57744 ROUND LAKE DR
CHICAGO, IL 60614 / BANDON, OR 97411

REFERENCE: Application G-13577 / Permit G-13498

Dear Permit Holder:

On 10/2/2003, the Department issued a Final Order approving an Extension of Time for Permit G-13498. This Final Order included a condition that required the permit holder to submit a written progress report to the Department by October 1, 2008 as well as a future progress report(s) due by October 1, 2013 and 2018.

This letter is being sent to you because the Department has not yet received the progress report that was due on October 1, 2008.

For your convenience, I have enclosed a **Progress Report Form** for you to fill out and submit. In order to maintain the ability to continue developing water under this permit, you should submit your overdue progress report immediately.

As per your most recent extension, the date by which water must be applied to full beneficial use within the terms and conditions of your permit is October 1, 2022. ***Failure to submit a written progress report may jeopardize continued development of your permit beyond October 1, 2022, as future extensions are evaluated on past due diligence, and consequently may not be granted.***

If you have any questions concerning this matter, you may contact me by telephone at (503) 986-0813.

Sincerely,

Scott Kudlemyer
Extensions
Water Rights and Adjudications Division

Enclosure

cc: Application G-13577
Watermaster District 19 – Mitch Lewis

app G-13577 (permit G-13498)

USER-ID 20099

2007 — 2008

Oregon Water Resources Department
October 2007 through September 2008
Annual Water Use - Monthly Quantities Form

U3254 ✓ U3252 ✓ U3251 ✓ U3253 ✓

Facility → / Report ID →	Pac Dunes L34007	Pac Dunes L34008	Pac Dunes L34030	Pac Dunes L34018	
October - 2007	0	0	0	0	
November - 2007	0	0	0	0	
December - 2007	0	0	0	0	
January - 2008	0	0	0	0	
February - 2008	0	0	0	0	
March - 2008	0	0	0	0	
April - 2008	0	880,700 G	0	229,600G	
May - 2008	0	1,600,400 G	18,977,500G	3,425,000G	
June - 2008	0	152,700G	13,927,700G	6,778,300G	
July - 2008	400 G	0	0	0	
August - 2008	0	757,600G	17,605,600G	9,328,300G	
September - 2008	0	0	11,837,500G	2,507,800G	
Total *	20,400,736	3,391,400G	62,348,300G	22,269,000G	

RECEIVED
JAN 09 2009
WATER RESOURCES DEPT
SALEM, OREGON

* Describe the units of measurement as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe the method of measurement used: flow meters **If used for irrigation, total number of acres irrigated:** 336

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

Signature	Title	Reporting Entity	Date
Warren D Felton	Water manager	Banzan Dunes Resort	01/01/09

Name	Mailing Address	Phone Number

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program;
725 Summer Street NE, Suite A; Salem, OR 97301-1266.

USER-ID 20079

2007 — 2008

Oregon Water Resources Department
October 2007 through September 2008
Annual Water Use - Monthly Quantities Form

03257 ? 03258

Facility → / Report ID →	TRAILS L69436	POTABLE L75799	POTABLE L74686		
October - 2007	0				
November - 2007	1,813,300G				
December - 2007	0				
January - 2008	0				
February - 2008	0				
March - 2008	662,600G				
April - 2008	0				
May - 2008	10,954,500G				
June - 2008	12,619,600G				
July - 2008	0				
August - 2008	21,199,399G				
September - 2008	9,451,100G				
Total *	56,700,499G	11,457,100G	1,200G		

RECEIVED
JAN 09 2009
WATER RESOURCES DEPT
SALEM, OREGON

* Describe the units of measurement as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

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.

Darren D Felton — Signature
Utilities Manager — Title
Bandon Dunes Resort — Reporting Entity
1/6/09 — Date

_____ — Name
_____ — Mailing Address
541 347 5751 — Phone Number

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program;
725 Summer Street NE, Suite A; Salem, OR 97301-1266.

USER-ID 200219

2007 — 2008

Oregon Water Resources Department
October 2007 through September 2008
Annual Water Use – Monthly Quantities Form

47814 ✓ 47810 ✓ 47811 ✓

Facility → / Report ID →	Bandon Dunes L18620	Bandon Dunes L10848	Bandon Dunes L10847		
October - 2007	0	0	0		
November - 2007	0	0	0		
December - 2007	0	0	0		
January - 2008	2,443,800G	1,614,600G	292,710G		
February - 2008	0	0	0		
March - 2008	0	1,142,900G	0		
April - 2008	0	0	0		
May - 2008	3,452,800G	7,578,900G	8,050G		
June - 2008	481,600G	6,150,500G	200G		
[illegible]	0	0	0		
[illegible]	95,000G	7,932,300G	2,158,220G		
[illegible]	18,600G	5,996,600G	387,360G		
[illegible]	27,191,800G	30,415,800G	2,846,540G		

L75799 = not correlated in JW database – pull files 9-13577

RECEIVED
JAN 09 2009
WATER RESOURCES DEPT
SALEM, OREGON

* Designate units of measurement as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

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

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

Signature	Title	Reporting Entity	Date
Warren D Felter	Utilities manager	Bandon Dunes	01/6/09
Name	Mailing Address		Phone Number
	57744 Round Lake Drive Bandon Oregon 97411		541 347 5751

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program;
725 Summer Street NE, Suite A; Salem, OR 97301-1266.

USER-ID 20019

2007 — 2008

Oregon Water Resources Department
October 2007 through September 2008
Annual Water Use - Monthly Quantities Form

47814 ✓ 47810 ✓ 47811 ✓

Facility → / Report ID →	Bandon Dunes L18620	Bandon Dunes L10848	Bandon Dunes L10847		
October - 2007	0	0	0		
November - 2007	0	0	0		
December - 2007	0	0	0		
January - 2008	2,443,800G	1,614,600G	292,710G		
February - 2008	0	0	0		
March - 2008	0	1,142,900G	0		
April - 2008	0	0	0		
May - 2008	3,452,800G	7,578,900G	8,050G		
June - 2008	5,481,600G	6,150,500G	200G		
July - 2008	0	0	0		
August - 2008	14,095,000G	7,932,300G	2,158,220G		
September - 2008	1,718,600G	5,996,600G	387,360G		
Total *	27,191,800G	30,415,800G	2,846,540G		

RECEIVED
JAN 09 2009
WATER RESOURCES DEPT
SALEM, OREGON

* Describe the units of measurement as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

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

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

Signature	Title	Reporting Entity	Date
Name	Mailing Address		Phone Number

Warren D Felter — Utilities manager — Bandon Dunes — 09/01/09

57744 Round Lake Drive Bandon Oregon 97411 — 541 347 5751

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program;
725 Summer Street NE, Suite A; Salem, OR 97301-1266.

LT5799 =

~~GT605~~ COD5 53357

not correlated in

gw database -

pull this g - 13577

Oregon
Theodore R. Kulongoski, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1266
503-986-0900
FAX 503-986-0904

JULY 9, 2009

BANDON DUNES LIMITED PARTNERSHIP
57744 ROUND LAKE DR
BANDON, OR 97411

REFERENCE: Application g-13577 / Permit G-13498

Dear Permit Holder:

The Water Rights and Adjudications Division received your written progress report for Permit G-13498. Receipt of the progress report was published on the Department's weekly Public Notice, dated June 9, 2009. The Department did not receive any public comment on the progress report.

After reviewing your Progress Report, the Department determined that diligence toward completion of the project and compliance with the terms and conditions of the permit and extension has been demonstrated.

Your next written progress report for Permit G-13498 is due no later than **October 1, 2013**. The report must be received by the Department no sooner than 90 days prior to the due date. There is also a progress report due in 2018.

For your convenience, I have enclosed your next *Progress Report Form*. Please calendar this October 1, 2013 due date, as no further reminders will be sent.

As per your most recent extension, the date by which water must be applied to full beneficial use within the terms and conditions of your permit is October 1, 2022. ***Failure to submit a written progress report may jeopardize continued development of your permit beyond October 1, 202, as future extensions are evaluated on past due diligence, and consequently may not be granted.***

If you have any questions, please feel free to contact me by telephone at (503) 986-0813.

Sincerely,

Scott Kudlemyer
Extensions
Water Rights and Adjudications Division

Enclosure

cc: Application G-13577
Watermaster District 19 – Mitch Lewis

STASTNYBRUN

RECEIVED
MAR 27 2009
WATER RESOURCES DEPT
SALEM, OREGON

MR. SCOTT KUDLEMYER
EXTENSIONS/WATER RIGHTS AND
ADJUDICATIONS DIVISION
WATER RESOURCES DEPARTMENT
725 SUMMER STREET NE, SUITE A
SALEM, OR
97301

25 MARCH 2009

Reference: Application G-13577/Permit G-13498

Dear Mr. Kudlemyer:

This letter is to confirm our telephone conversation last week. Your letter of February 25, 2009, regarding non-receipt of a written progress report due by October 1, 2008, was received by my office on February 27, 2009, under extenuating circumstances.

Mr. Howard McKee, the addressee of the letter, passed away in November 2008 after an extended battle with cancer. Howard, with Mr. Mike Keiser, founded the Bandon Dunes Golf Resort and served as the Chief Architect and Owner's Representative from the beginning until his death. I currently hold this position for Bandon Dunes Golf Resort and the Bandon Dunes Limited Partnership.

We had not been told by Howard of the agreement to make the 5-year Progress Report(s) so the letter caught all of us unaware of the requirement. Based on our research into the files and my conversation with you, we are gathering the information and will submit the required report no later than May 1, 2009.

I would appreciate your entering this letter into our file as response to your letter. We apologize for missing the deadline but will respond with an appropriate report. Thank you.

Sincerely,

STASTNYBRUN ARCHITECTS, INC.

DONALD J. STASTNY FAIA FAICP
for Bandon Dunes Limited Partnership

Oregon
Theodore R. Kulongoski, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1266
503-986-0900
FAX 503-986-0904

RECEIVED
MAR 27 2009
WATER RESOURCES DEPT
SALEM, OREGON

RECEIVED
FEB 27 2009
BY:

FEBRUARY 25, 2009

BANDON DUNES LIMITED PARTNERSHIP
ATTN: HOWARD MCKEE
2130 LINCOLN PARK N / 57744 ROUND LAKE DR
CHICAGO, IL 60614 / BANDON, OR 97411

REFERENCE: Application G-13577 / Permit G-13498

Dear Permit Holder:

On 10/2/2003, the Department issued a Final Order approving an Extension of Time for Permit G-13498. This Final Order included a condition that required the permit holder to submit a written progress report to the Department by October 1, 2008 as well as a future progress report(s) due by October 1, 2013 and 2018.

This letter is being sent to you because the Department has not yet received the progress report that was due on October 1, 2008.

For your convenience, I have enclosed a **Progress Report Form** for you to fill out and submit. In order to maintain the ability to continue developing water under this permit, you should submit your overdue progress report immediately.

As per your most recent extension, the date by which water must be applied to full beneficial use within the terms and conditions of your permit is October 1, 2022. ***Failure to submit a written progress report may jeopardize continued development of your permit beyond October 1, 2022, as future extensions are evaluated on past due diligence, and consequently may not be granted.***

If you have any questions concerning this matter, you may contact me by telephone at (503) 986-0813.

Sincerely,

Scott Kudlemyer
Extensions
Water Rights and Adjudications Division

Enclosure

cc: Application G-13577
Watermaster District 19 – Mitch Lewis

USER-ID 28099

2001 2002

Oregon Water Resources Department
October 2001 through September 2002
Annual Water Use - Monthly Quantities Form

Facility ☞ POD-ID ✎	47809 Shuman well NO METER x10	47810 (50514) L10848 GALLONS BANDON DUNES IRR x100	47811 (50508) L10847 GALLONS BANDON DUNES IRR x10	47812 (IR) WELL 1 TEST WELL	47813 L25195 PW GALLONS
October - 2001	0	625003	879935	0	9645200
November - 2001	0	625003	879935	0	10016100
December - 2001	0	625009	879935	0	10301700
January - 2002	0	625003	879935	0	10590700
February - 2002	0	625003	879935	0	10959700
March - 2002	0	625003	879935	0	11412500
April - 2002	2700 GAL	648032	914460	0	11790660
May - 2002	2700 GAL	973421	987650	0	12423600
June - 2002	2700 GAL	990125	4540	0	13067100
July - 2002	2700 GAL	873466	80663	0	13943000
August - 2002	2700 GAL	958927	253194	0	14834300
September - 2002	2700 GAL	12253	439370	0	15665600
TOTAL *	16,200 GAL	37,003,647	12,163,990 GAL	0	6,020,400 GAL

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: flow meters in Gallons If use is irrigation, total number acres irrigated 220
I certify this information is true and accurate to the best of my knowledge.

Signature	Title	Reporting Entity	Date
		BANDON DUNES	01/23/03

Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
158 12th Street NE; Salem, OR 97310-0210

RECEIVED
JAN 29 2003
WATER RESOURCES DEPT.
SALEM, OREGON

2001

Oregon Water Resources Department
October 2001 through September 2002
Annual Water Use - Monthly Quantities Form

USER-ID 28099

2002

WRD

POD-ID's

Facility ☞ / POD-ID ✏	47810	47811	47813	47814	134008 ~~134030~~	
October - 2001	0	0		0	0	0
November - 2001	0	0	370900	0	0	0
December - 2001	0	0	285600	0	0	0
January - 2002	0	0	289000	0	0	0
February - 2002	0	0	369000	0	0	0
March - 2002	0	0	452800	0	0	0
April - 2002	2,302,900	345,250	378160	2,104,000	1,511,300	
May - 2002	32,538,900	731,900	632940	~~2651~~	828500	
June - 2002	1,670,400	~~1~~168,900	643500	8,744,700	792,000	10,016,000
July - 2002	—	761,230	875900	7,015,500	916,800	12,833,400
August - 2002	—	1,725,310	891300	6,200,600	2,096,000	8,980,500
September - 2002	2,210,900	1,861,760	831300	3,867,600	0	
TOTAL *						

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: _____. If use is irrigation, total number acres irrigated _____

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

Signature _____ Title _____ Reporting Entity _____ Date _____

Name - Please Print _____

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
158 12th Street NE; Salem, OR 973~~10-0210~~

01-4172

OREGON WATER RESOURCES DEPARTMENT SUMMARY OF WATER RIGHTS FOR WATER USE REPORT

Reporting Entity

WARREN FELTON UTILITIES MANAGER **USER_ID** 28099
BANDON DUNES LTD
57744 ROUND LAKE DR
BANDON OR 97411 541-347-5751

POD_ID	FACILITY	CERT	PERMIT	APPLN	PRIORITY	USE	L/S	TW	T	RN	R	SEC	Q/Q	RATE	U	P_A_S	SOURCE	TRIBUTARY TO
47809	NEW SHUMAN	0 G	13498	T 8861	12/17/1993	OI	L	27	S	14	W	29	NWSE	3.090	C	A	SCHUMANN WELL	CUT CR
47809	NEW SHUMAN	0 G	13498	G 13577	12/17/1993	CM	L	27	S	14	W	29	NWSE	0.460	C	A	SCHUMANN WELL	CUT CR
47809	NEW SHUMAN	0 G	13498	T 8861	12/17/1993	DO	L	27	S	14	W	29	NWSE	0.460	C	P	SCHUMANN WELL	CUT CR
47809	NEW SHUMAN	0 G	13498	T 8861	12/17/1993	IR	L	27	S	14	W	29	NWSE	3.090	C	P	SCHUMANN WELL	CUT CR
47809	NEW SHUMAN	0 G	13498	T 8861	12/17/1993	CM	L	27	S	14	W	29	NWSE	0.460	C	A	SCHUMANN WELL	CUT CR
47809	NEW SHUMAN	0 G	13498	G 13577	12/17/1993	IR	L	27	S	14	W	29	NWSE	3.090	C	P	SCHUMANN WELL	CUT CR
47809	NEW SHUMAN	0 G	13498	G 13577	12/17/1993	DO	L	27	S	14	W	29	NWSE	0.460	C	P	SCHUMANN WELL	CUT CR
47809	NEW SHUMAN	0 G	13498	G 13577	12/17/1993	OI	L	27	S	14	W	29	NWSE	3.090	C	A	SCHUMANN WELL	CUT CR
47810	L10848 - PW 5	0 G	13498	G 13577	12/17/1993	OI	L	27	S	14	W	32	NWNW	3.090	C	A	PW5	CUT CR
47810	L10848 - PW 5	0 G	13498	G 13577	12/17/1993	IR	L	27	S	14	W	32	NWNW	3.090	C	A	PW5	CUT CR
47810	L10848 - PW 5	0 G	13498	G 13577	12/17/1993	DO	L	27	S	14	W	32	NWNW	0.460	C	A	PW5	CUT CR
47810	L10848 - PW 5	0 G	13498	T 8861	12/17/1993	CM	L	27	S	14	W	32	NWNW	0.460	C	A	PW5	CUT CR
47810	L10848 - PW 5	0 G	13498	G 13577	12/17/1993	CM	L	27	S	14	W	32	NWNW	0.460	C	A	PW5	CUT CR
47810	L10848 - PW 5	0 G	13498	T 8861	12/17/1993	DO	L	27	S	14	W	32	NWNW	0.460	C	A	PW5	CUT CR

POD_ID	FACILITY	CERT	PERMIT	APPLN	PRIORITY	USE	L/S	TW	T	RN	R	SEC	Q/Q	RATE	U	P_A_S	SOURCE	TRIBUTARY TO
47810	L10848 - PW 5	0 G	13498	T 8861	12/17/1993	IR	L	27	S	14	W	32	NWNW	3.090	C	A	PW5	CUT CR
47810	L10848 - PW 5	0 G	13498	T 8861	12/17/1993	OI	L	27	S	14	W	32	NWNW	3.090	C	A	PW5	CUT CR
47811	L10847 - PW 4	0 G	13498	T 8861	12/17/1993	DO	L	27	S	14	W	32	SWNW	0.460	C	A	PW4	CUT CR
47811	L10847 - PW 4	0 G	13498	T 8861	12/17/1993	IR	L	27	S	14	W	32	SWNW	3.090	C	A	PW4	CUT CR
47811	L10847 - PW 4	0 G	13498	G 13577	12/17/1993	DO	L	27	S	14	W	32	SWNW	0.460	C	A	PW4	CUT CR
47811	L10847 - PW 4	0 G	13498	T 8861	12/17/1993	OI	L	27	S	14	W	32	SWNW	3.090	C	A	PW4	CUT CR
47811	L10847 - PW 4	0 G	13498	G 13577	12/17/1993	IR	L	27	S	14	W	32	SWNW	3.090	C	A	PW4	CUT CR
47811	L10847 - PW 4	0 G	13498	G 13577	12/17/1993	CM	L	27	S	14	W	32	SWNW	0.460	C	A	PW4	CUT CR
47811	L10847 - PW 4	0 G	13498	G 13577	12/17/1993	OI	L	27	S	14	W	32	SWNW	3.090	C	A	PW4	CUT CR
47811	L10847 - PW 4	0 G	13498	T 8861	12/17/1993	CM	L	27	S	14	W	32	SWNW	0.460	C	A	PW4	CUT CR
47812	WELL 1- TEST WELL	0 G	13498	T 8861	12/17/1993	DO	L	28	S	14	W	5	NWNW	0.460	C	A	WELL 1	CUT CR
47812	WELL 1- TEST WELL	0 G	13498	G 13577	12/17/1993	IR	L	28	S	14	W	5	NWNW	3.090	C	A	WELL 1	CUT CR
47812	WELL 1- TEST WELL	0 G	13498	G 13577	12/17/1993	DO	L	28	S	14	W	5	NWNW	0.460	C	A	WELL 1	CUT CR
47812	WELL 1- TEST WELL	0 G	13498	G 13577	12/17/1993	CM	L	28	S	14	W	5	NWNW	0.460	C	A	WELL 1	CUT CR
47812	WELL 1- TEST WELL	0 G	13498	G 13577	12/17/1993	OI	L	28	S	14	W	5	NWNW	3.090	C	A	WELL 1	CUT CR
47812	WELL 1- TEST WELL	0 G	13498	T 8861	12/17/1993	IR	L	28	S	14	W	5	NWNW	3.090	C	A	WELL 1	CUT CR
47812	WELL 1- TEST WELL	0 G	13498	T 8861	12/17/1993	CM	L	28	S	14	W	5	NWNW	0.460	C	A	WELL 1	CUT CR
47812	WELL 1- TEST WELL	0 G	13498	T 8861	12/17/1993	OI	L	28	S	14	W	5	NWNW	3.090	C	A	WELL 1	CUT CR
47813	L25195 - WELL 2	0 G	13498	T 8861	12/17/1993	DO	L	28	S	14	W	5	NWNW	0.460	C	A	WELL 2	CUT CR
47813	L25195 - WELL 2	0 G	13498	G 13577	12/17/1993	CM	L	28	S	14	W	5	NWNW	0.460	C	A	WELL 2	CUT CR
47813	L25195 - WELL 2	0 G	13498	G 13577	12/17/1993	DO	L	28	S	14	W	5	NWNW	0.460	C	A	WELL 2	CUT CR
47813	L25195 - WELL 2	0 G	13498	G 13577	12/17/1993	OI	L	28	S	14	W	5	NWNW	3.090	C	A	WELL 2	CUT CR
47813	L25195 - WELL 2	0 G	13498	T 8861	12/17/1993	CM	L	28	S	14	W	5	NWNW	0.460	C	A	WELL 2	CUT CR

POD_ID	FACILITY	CERT	PERMIT	APPLN	PRIORITY	USE	L/S	TW	T	RN	R	SEC	Q/Q	RATE	U	P_A_S	SOURCE	TRIBUTARY TO
47813	L25195 - WELL 2	0 G	13498	T 8861	12/17/1993	IR	L	28	S	14	W	5	NWNW	3.090	C	A	WELL 2	CUT CR
47813	L25195 - WELL 2	0 G	13498	T 8861	12/17/1993	OI	L	28	S	14	W	5	NWNW	3.090	C	A	WELL 2	CUT CR
47813	L25195 - WELL 2	0 G	13498	G 13577	12/17/1993	IR	L	28	S	14	W	5	NWNW	3.090	C	A	WELL 2	CUT CR
47814	L18620 - PW 6	0 G	13498	G 13577	12/17/1993	CM	L	28	S	14	W	5	SWNW	0.460	C	A	WELL 3	CUT CR
47814	L18620 - PW 6	0 G	13498	G 13577	12/17/1993	DO	L	28	S	14	W	5	SWNW	0.460	C	A	WELL 3	CUT CR
47814	L18620 - PW 6	0 G	13498	G 13577	12/17/1993	OI	L	28	S	14	W	5	SWNW	3.090	C	A	WELL 3	CUT CR
47814	L18620 - PW 6	0 G	13498	T 8861	12/17/1993	OI	L	28	S	14	W	5	SWNW	3.090	C	A	WELL 3	CUT CR
47814	L18620 - PW 6	0 G	13498	T 8861	12/17/1993	CM	L	28	S	14	W	5	SWNW	0.460	C	A	WELL 3	CUT CR
47814	L18620 - PW 6	0 G	13498	T 8861	12/17/1993	DO	L	28	S	14	W	5	SWNW	0.460	C	A	WELL 3	CUT CR
47814	L18620 - PW 6	0 G	13498	T 8861	12/17/1993	IR	L	28	S	14	W	5	SWNW	3.090	C	A	WELL 3	CUT CR
47814	L18620 - PW 6	0 G	13498	G 13577	12/17/1993	IR	L	28	S	14	W	5	SWNW	3.090	C	A	WELL 3	CUT CR

app 91357 7
(per g 13498)

USER-ID 29097

2005 Oregon Water Resources Department 2006

October 2005 through September 2006
Annual Water Use - Monthly Quantities Form

Facility = POD-ID =	* U3251 L34030	* U3253 L34018	U3257 L69436	Potable L75799	C0056 3357
October - 2005	15277200	28933900	50683700	37896800	
November - 2005	15277200	28933900	50683700	38425800	
December - 2005	15277200	28933900	50683700	39728000	
January - 2006	15277200	28933900	50683700	40267800	
February - 2006	15277200	28933900	50683700	41197900	
March - 2006	15277200	28933900	50683700	41728500	
April - 2006	15277200	28933900	50683700	42164000	
May - 2006	24555200	29614400	62252600	43329900	
June - 2006	28352800	30352500	70383200	43853700	
July - 2006	42916500	33344800	75414000	45381900	
August - 2006	62956600	39990300	96657200	46785800	
September - 2006	69014300	41657700	04576900	47332200	
TOTAL *	53,737,100	12,723,800	53,890,199	9,435,400	

TOTAL 191,816,369

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Flow meters & Calbs If use is irrigation, total number acres irrigated CONT

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

Signature | Title | Reporting Entity | Date

Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program
725 Summer Street NE, Suite A; Salem, OR 97301-1266.

RECEIVED
JAN 16 2007
WATER RESOURCES DEPT
SALEM, OREGON

Pg 1

2005

Oregon Water Resources Department
October 2005 through September 2006
Annual Water Use - Monthly Quantities Form

USER-ID 28099

2006

Facility ☞ / POD-ID ☞	47014 L18620	47010 L10848	47011 ✓ L10847	meter up L34007	messed up Haven't U32552	new in U32552 ✓ L34008
October - 2005	95387300	72795300	4141810	10404000		33765400
November - 2005	95387300	76069400	4141810	10404000		33765400
December - 2005	95387300	76069400	4141810	10404000		33765400
January - 2006	95387300	76069400	4141810	10404000		33765400
February - 2006	95387300	76069400	4141810	10404000		33765400
March - 2006	95387300	76071100	6179650	10404000		33765400
April - 2006	95387300	76071100	6497660	10404000		33765400
May - 2006	95981500	82224700	6656880	10404000		34230100
June - 2006	97060400	83253000	7759360	10404000		34726600
July - 2006	00458200	90477300	0425430	10655300		35909500
August - 2006	1080400	01132400	3722950	10776100		36237100
September - 2006	14554800	03824500	4808420	10776100		36237100
TOTAL *	19,167,400	31,029,199	8,425970	10,388,000		2,471,700

71,462,269

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: flow meters Gallons If use is irrigation, total number acres irrigated 336 acres
I certify this information is true and accurate to the best of my knowledge.

Signature	Title	Reporting Entity	Date
Warren D Felton	Utilities	Brandon Dunes	12/14/06

WARREN D FELTON
Name - Please Print

Please complete and mail to: Water Resources Department, Water Use Reporting Program
725 Summer Street NE, Suite A, Salem, OR 97301-1266

RECEIVED
JAN 16 2007
WATER RESOURCES DEPT
SALEM, OREGON

Page 2

Timmie Brandt

From: Timmie Brandt
Sent: Thursday, August 12, 2010 1:02 PM
To: Mary Rohling
Cc: Timmie Brandt; Jerry Sauter; Tim Wallin
Subject: Bandon Dunes Golf Resort (3 Files)

Please change all the following files to the new address below:

Groundwater file G-13577 / Permit G-13498 / No Certificate AND
Groundwater file G-14238 / Permit G-12806 / No Certificate AND
Groundwater file G-17140 / Permit G-16637 / No Certificate -

BANDON DUNES GOLF RESORT
C/O DONALD J STASTNY, OWNER'S REPRESENTATIVE
2309 SW 1ST #1145
PORTLAND OR 97201

Permit image for App # G-13577 http://apps2.wrd.state.or.us/apps/misc/vault/vault.aspx?Type=Permit&permit_char=G&permit_nbr=13498

Permit image for App # G-14238 http://apps2.wrd.state.or.us/apps/misc/vault/vault.aspx?Type=Permit&permit_char=G&permit_nbr=12806

Permit image for App # G-17140 http://apps2.wrd.state.or.us/apps/misc/vault/vault.aspx?Type=Permit&permit_char=G&permit_nbr=16637

Letter for assignment http://apps2.wrd.state.or.us/apps/misc/vault/vault.aspx?Type=WRFolder&folder_image_id=25313

Thanks for your time in this matter. Jerry mentioned that where there appears C/O DONALD STASTNY, it should reflect the address above.

If any questions, please call Jerry Sauter @ 60817.

<><><><

Timmie Brandt

From: Timmie Brandt
Sent: Thursday, August 12, 2010 9:53 AM
To: Mary Rohling
Cc: Timmie Brandt; Tim Wallin
Subject: Address Updates

Please change all the following files to the new address below:

Groundwater file G-13577 / Permit G-13498 / No Certificate AND
Groundwater file G-14238 / Permit G-12806 / No Certificate AND
Groundwater file G-17140 / Permit G-16637 / No Certificate -

BANDON DUNES GOLF RESORT
C/O DONALD J STASTNY, OWNER'S REPRESENTATIVE
2309 SW 1ST #1145
PORTLAND OR 97201

If any questions, call Tim Wallin @ 60891

<><><><

Water Rights Information Query Results

	Contacts	Application	Permit	Certificate	Claim	Decree	Transfers	Status
Select	CONTACT - ADDITIONAL: BANDON DUNES GOLF RESORT C/O STASTNYBRUN ARCHITECTS INC. 1630 SW MORRISON SUITE 210 PORTLAND, OR 97205 AGENT: GOLDER ASSOCIATES INC. RON BLEGEN 1430 W BROADWAY RD SUITE 108 TEMPE, AZ 85282 AGENT: GOLDER ASSOCIATES INC DAVID BANTON 1430 W BROADWAY RD SUITE 108 TEMPE, AZ 85282 OWNER: BANDON DUNES LIMITED PARTNERSHIP HOWARD MCKEE 2130 LINCOLN PARK N CHICAGO, IL 60614 OWNER: BANDON DUNES LIMITED PARTNERSHIP 2130 LINCOLN PARK N CHICAGO, IL 60614 OWNER: BANDON DUNES LIMITED PARTNERSHIP C/O DONALD STASTNY 1630 SW MORRISON SUITE 210 PORTLAND, OR 97205	G13577	G13498				T10719 T11087 (Changes this right)	NC

Help understanding and working with the Water Rights Information System

Download: Point of diversion data, Place of use data, Stakeholder data

Return to WRIS Query

FILE G-17140
BANDON DUNES LIMITED PARTNERSHIP
C/O DONALD J STASTNY, OWNER'S REPRESENTATIVE
BANDON DUNES GOLF RESORT
C/O STASTNYBRUN ARCHITECTS INC
1630 SW MORRISON SUITE 210
PORTLAND OR 97205

Water Rights Information Query Results

Contacts		Application	Permit	Certificate	Claim	Decree	Transfers	Status
Select	C/O: DONALD STASTNY 1630 SW MORRISON SUITE 210 PORTLAND, OR 97205 OWNER: BANDON DUNES LIMITED PARTNERSHIP 2130 LINCOLN PARK N CHICAGO, IL 60614	G14238	G12806				T8083	NC

Help understanding and working with the Water Rights Information System

Download: Point of diversion data, Place of use data, Stakeholder data

Return to WRIS Query

Water Rights Information Query Results

	Contacts	Application	Permit	Certificate	Claim	Decree	Transfers	Status
Select	OWNER: BANDON DUNES GOLF RESORT 1630 SW MORRISON SUITE 210 PORTLAND, OR 97205 OWNER: STASTNYBRUN ARCHITECTS INC. (C/O) 1630 SW MORRISON SUITE 210 PORTLAND, OR 97205	G17140	G16637					NC

Help understanding and working with the Water Rights Information System

Download: Point of diversion data, Place of use data, Stakeholder data

Return to WRIS Query

app g13577

28099

USER-ID ~~Bandon Dunes~~

2004 — 2005

Oregon Water Resources Department
October 2004 through September 2005
Annual Water Use - Monthly Quantities Form

	47814	47810	47811	03254	03252
Facility (Permit) / POD-ID	G-13498 L18620 Bandon Dunes #1	Bandon Dunes 2 PW5 L10848	Bandon Dunes 1 PW4 L10847	G-13498 well L34007	G-13498 well L34008 Pacific Dunes
October - 2004	3,762,000	123,400	170,182	104,900	822,400
November - 2004	0	0	0	0	0
December - 2004	0	0	0	0	0
January - 2005	0	0	0	0	0
February - 2005	0	0	0	0	0
March - 2005	6,229,500	0	0	0	0
April - 2005	0	0	92,630	0	0
May - 2005	684,200	0	0	0	0
June - 2005	0	0	6,000	0	0
July - 2005	8,138,500	6,633,200	325,490	1,217,900	1,346,800
August - 2005	8,398,900	6,661,400	406,660	0	600,700
September - 2005	6,166,400	7,988,500	1,463,190	0	13,338,500
TOTAL *	33,379,500	21,406,500	2,458,152	1,322,800	16,108,400

* ~~Describe the units of measure as G (gallons), KG~~ (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: _____. If use is irrigation, total number acres irrigated _____

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

RECEIVED
MAR 17 2006
WATER RESOURCES DEPT
SALEM, OREGON

Warren Felton	Utilities Manager (Bandon Dunes)	03/06/06
Signature	Title / Reporting Entity	Date

WARREN FELTON
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program; 725 Summer Street NE; Suite A, Salem, OR 97301-1271, or Fax 503-986-0902.

USER-ID 20099

2004 Oregon Water Resources Department 2005

October 2004 through September 2005
Annual Water Use - Monthly Quantities Form

U3251 ✓ U3253 ✓ U3257 ✓ U3258 ✓ ?

Facility ☞ / POD-ID ☞ wll	G-13498 L34030	G-13498 wl L34018	L69436	L74686	L66587
October - 2004	6,323,800	725,900	2,756,400	Ø	Ø
November - 2004	Ø	Ø	Ø	Ø	Ø
December - 2004	Ø	Ø	Ø	Ø	Ø
January - 2005	Ø	Ø	Ø	Ø	Ø
February - 2005	2,158,100	Ø	Ø	Ø	Ø
March - 2005	4,365,600	Ø	Ø	Ø	Ø
April - 2005	Ø	Ø	Ø	Ø	Ø
May - 2005	3,105,800	Ø	2,676,800	Ø	Ø
June - 2005	3,630,400	Ø	3,105,600	Ø	Ø
July - 2005	11,186,100	1,465,500	10,614,500	Ø	Ø
August - 2005	12,449,200	2,078,200	11,765,900	Ø	Ø
September - 2005	13,338,500	Ø	8,418,900	Ø	Ø
TOTAL *	56,557,500	4,269,500	39,338,100	Ø	Ø

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: _____. If use is irrigation, total number acres irrigated _____

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

RECEIVED
MAR 17 2006
WATER RESOURCES DEPT
SALEM, OREGON

Signature | Title | Reporting Entity | Date

Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program; 725 Summer Street NE; Suite A, Salem, OR 97301-1271, or Fax 503-986-0902.

USER-ID _____

2004 — Oregon Water Resources Department — 2005

October 2004 through September 2005
Annual Water Use - Monthly Quantities Form

47813 ~~47814~~ 47812 47809 03255 ✓

Facility ☞ POD-ID ✏	Potable Supply well 1 Coos 1253	SE Test Well	Test Well 1	Warrens Well	Potable L44790 Drinking water well
October - 2004	No Meter	No Meter	No Meter	No Meter	627,900
November - 2004	"	"	"	"	493,800
December - 2004	"	"	"	"	409,500
January - 2005	"	"	"	"	436,700
February - 2005	"	"	"	"	521,700
March - 2005	"	"	"	"	536,600
April - 2005	"	"	"	"	522,900
May - 2005	"	"	"	"	673,200
June - 2005	"	"	"	"	912,800
July - 2005	"	"	"	"	952,200
August - 2005	"	"	"	"	1,121,200
September - 2005	"	"	"	"	1,025,900
TOTAL *	0	0	0	0	8,234,400

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: _____. If use is irrigation, total number acres irrigated _____

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

RECEIVED
MAR 17 2006
WATER RESOURCES DEPT
SALEM, OREGON

_____ _____ _____ _____

Signature Title Reporting Entity Date

_____

Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program; 725 Summer Street NE; Suite A, Salem, OR 97301-1271, or Fax 503-986-0902.

STATE OF OREGON
WATER RESOURCES DEPARTMENT

RECEIPT # 56117

158 12TH ST. N.E.
SALEM, OR 97310-0210
378-8455 / 378-8130 (FAX)

INVOICE #_____

RECEIVED FROM: Bardon Dunes
BY: _____

APPLICATION	G13577
PERMIT	
TRANSFER	

CASH: ☐ CHECK: # ☒ 24-7038 OTHER: (IDENTIFY) _____

TOTAL REC'D $100.00

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)	_____			$
(New) TC162	DEPOSIT LIAB. (IDENTIFY)	_____			$
	WATER RIGHTS:	**EXAM FEE**			**RECORD FEE**
0201	SURFACE WATER	$	0202		$
0203	GROUND WATER	$	0204		$
0205	TRANSFER	$	0206		$
	WELL CONSTRUCTION	**EXAM FEE**			**LICENSE FEE**
0218	WELL DRILL CONSTRUCTOR	$	0219		$
	LANDOWNER'S PERMIT		0220		$
240	OTHER (IDENTIFY)	Ext 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

		LIC NUMBER	
0233	POWER LICENSE FEE (FW/WRD)		$
0231	HYDRO LICENSE FEE (FW/WRD)		$
_____	HRDRO APPLICATION	_____	$

RECEIPT # 56117 DATED: 10/1/02 BY: Con

Distribution-White Copy-Customer, Yellow Copy-Fiscal, Blue Cor

RECEIVED
OCT 07 2002
WATER RESOURCES DEPT.
SALEM, OREGON

APPLICATION FOR EXTENSION OF TIME
TO THE WATER RESOURCES DIRECTOR OF OREGON

I, Howard McKee
NAME

57744 Round Lake Dr Bandon OR 9741 541.347.4380
ADDRESS CITY STATE ZIP PHONE

owner of record, or duly authorized agent, of Application No. G-13577, Permit No. G-13498, do hereby request that the time in which to:

☑ complete the construction of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 2002, be extended to October 1, 2022,

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, 2002, be extended to October 1, 2022.

NOTE: **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.**

on sheet to assist you in completing the information on the ation form. Oregon Water Law and Administrative Rules n to be considered by the Water Resources Department t extension application. All items must be completed or the ned. Please feel free to provide the Department with any hat would aid us in making our decision. Please use er as needed to fully respond to the questions.

lication form and the instruction sheet, if you have any act the Department at (503) 378-3739, and request er Rights Division, permit extensions personnel.

TROY RUSSELL
Resort Superintendent

Round Lake Drive • Bandon, Oregon 97411
541-347-5747 • 541-347-5752 fax
trussell@bandondunesgolf.com
www.bandondunesgolf.com

BANDON DUNES PACIFIC DUNES

TROY RUSSELL
Resort Superintendent

Round Lake Drive • Bandon, Oregon 97411
541-347-5747 • 541-347-5752 fax
trussell@bandondunesgolf.com
www.bandondunesgolf.com

BANDON DUNES

PACIFIC DUNES

RECEIVED
OCT 0 7 2002
WATER RESOURCES DEPT.
SALEM, OREGON

APPLICATION FOR EXTENSION OF TIME
TO THE WATER RESOURCES DIRECTOR OF OREGON

I, Howard McKee
NAME

57744 Round Lake Dr Bandon OR 97411 541.347.4380
ADDRESS CITY STATE ZIP PHONE

owner of record, or duly authorized agent, of Application No. G-13577, Permit No. G-13498, do hereby request that the time in which to:

☑ complete the construction of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 2002, be extended to October 1, 2022,

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, 2002, be extended to October 1, 2022.

NOTE: **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.**

Attached is an instruction sheet to assist you in completing the information on the permit extension application form. Oregon Water Law and Administrative Rules requires this information to be considered by the Water Resources Department when reviewing a permit extension application. All items must be completed or the application will be returned. Please feel free to provide the Department with any additional information that would aid us in making our decision. Please use additional sheets of paper as needed to fully respond to the questions.

After reviewing the application form and the instruction sheet, if you have any questions, you may contact the Department at (503) 378-3739, and request assistance from the Water Rights Division, permit extensions personnel.

1. Did water system construction/well drilling begin within the time specified in the permit [yes/no]?

YES.

2. Has construction of diversion/appropriation works, distribution system, and use of water, if any, been accomplished consistent with the limitations and conditions of this permit [yes/no]?

YES.

A) Please describe how you have complied with each applicable permit condition (***NOTE:* the instruction sheet for permit extension applications provides some direction as to what is an "applicable" condition at time of permit extension review**).

Meters installed October 1998. Monitoring/reporting plan submitted.

B) If you have not complied with all applicable conditions, please explain the reasons why and indicate a date certain, in the near future, by which time you will be in compliance with applicable conditions.

3. I have accomplished the following described works, purchases and installation of equipment necessary to the use of water under said permit:

A) Within the past year or, if a prior extension was authorized, during the last permit extension period:

Drilled an additional domestic well, as a backup. Construction included installation of piping to services the new pub, and 21 new cabins. Approximate cost of new services is $100,000.

RECEIVED
OCT 0 7 2002
WATER RESOURCES DEPT.
SALEM, OREGON

B) Prior to the past year or, if a prior extension was authorized, prior to the last extension period:

Installations include 53,000 gallon domestic storage tank, boost pump station, waterlines to services Lodge, 4 Lily Pond cabins, cart barn, maintenance building, caddie complex, Pacific Dunes clubhouse, Practice Center clubhouse. Irrigation systems, complete w/ reservoir were installed at both golf courses, and an additional irrigation system was installed at the Practice Center.

4. I have accomplished beneficial use of water under the permit to the extent of (amount of water used and acres irrigated):

A) Quantity of Water Used *[in cubic feet per second (cfs) or gallons per minute (gpm) if using surface water or ground water.....and/or..... in acre-feet (af) if using stored water]*:

See attached annual water uses reports.

B) Number of Acres Irrigated *(if an irrigation permit)*:

Approximately 220 acres are currently irrigated.

5. Cost of project to date $3.1 million Estimated remaining cost to complete the project 2 million.

6. Please list the reasons why the project was not constructed, and/or water not beneficially used within permit time limits under the appropriate categories below. Please provide supporting information for each reason identified:

A) The project is of a size and scope that the original intent was to phase it in over a period longer than the timeframes allowed in the permit.

See attached 5 year development plan.

B) Financing and/or cash-flow needs to develop the project precluded completion of the project within authorized timeframes.

C) Good faith attempts to comply with permit conditions and/or to acquire permits from other agencies, or otherwise comply with government regulations, delayed completion of the project.

D) Acts of God or other unforeseen events delayed full development of the water system and use of water.

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.

Lawrence G. McLee
Signature

9/20/07
Date

MAIL COMPLETED APPLICATION *and* STATUTORY FEE OF $100 TO:

WATER RIGHT PERMIT EXTENSIONS
WATER RESOURCES DEPARTMENT
158 - 12th STREET NE
SALEM, OREGON 97301-4172

revised: September 18, 2002

RECEIVED
OCT 07 2002
WATER RESOURCES DEPT
SALEM, OREGON

USER-ID 28099

Oregon Water Resources Department
October 1999 through September 2000
Annual Water Use - Monthly Quantities Form

Facility ☞ POD-ID ☜	NO METER 47809	PW # 4 well ID TAG L 25195 METER	Well NO 1 ID NO L10847	Well NO 2 ID NO L10848	Well NO 3 ID L166301
October - 1999	9,000 GALLONS	DO 186,600			
November - 1999	7,250 GALLONS	DO 170,140			
December - 1999	8,300 GALLONS	DO 112,300			
January - 2000	7,750 Gallons	DO 188,500	0	0	0
February - 2000	7,250 GALLONS	DO 254,400			
March - 2000	7,750 GALLONS	DO 209,300			
April - 2000	7,500 GALLONS	DO 342,800	463180	2529900	2200
May - 2000	8960 IR 97.650 6200 DO	DO 320,400	~~2592000~~	3189000	2820600
June - 2000	8960 IR 97650 DO 7250	DO 276,000	1555200	4776000	9164800
July - 2000	IR 97650 DO 6000	DO 225,170	3007870	5895800	7083600
August - 2000	IR 97650 DO 7750	DO 202,966	2423460	4597400	6420100
September - 2000	IR 94500 DO 7500	DO 312,600	3600000	6827800	8245300
TOTAL *	574600	2801176	13,641,710	27815900	33736600

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: FLOW METERS. If use is irrigation, total number acres irrigated 120

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

Warren D Felton		Bandon Dunes	12/29/00
Signature	Title	Reporting Entity	Date

WARREN D. FELTON
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program; 158 12th Street NE: Salem OR 97310-0210

RECEIVED
OCT 07 2002
WATER RESOURCES DEPT
SALEM, OREGON

2000 2001

Oregon Water Resources Department
October 2000 through September 2001
Annual Water Use - Monthly Quantities Form

USER-ID 28099

Facility ☞ POD-ID ✏	Shuman well	PW Supply PW#4 L25195	Well No 1 ID 10847	Well ID 10848 No 2	Well ID No 3 L18620
October - 2000		588400	20117	351778	421256
November - 2000		5814900			
December - 2000		6098100			
January - 2001		6353700			
February - 2001		6809280			
March - 2001		6820360			
April - 2001	2,800	7144800	206986	389485	421256
May - 2001	3,700	7403800	50126	365095	421256
June - 2001	3,200	7268900	60986	485036	517235
July - 2001	2,800	8106000			589137
August - 2001	2800	8536800	331609	588302	630133
September - 2001	2800	7106600	597795	606470	683208
TOTAL *	17,600	8548200	41,218,600	24,648,500	26195

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Meter. If use is irrigation, total number acres irrigated 120 + 50 = 170

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

Signature | Title: Utilities Mgr | Reporting Entity: Bandon Dunes | Date: 01/29/02

RECEIVED
OCT 0 7 2002
WATER RESOURCES DEPT.
SALEM, OREGON

5 YEAR DEVELOPMENT PLAN
Bandon Dunes
Pacific Dunes

2002

	Projects Approved	Month	Cost
	Golf Course Facilities		
	Pub/Restaurant	July	$ 1,851,722
	Meeting Room	July	60,000
	subtotal		1,911,722
	Lodging/Housing		
	84 Chrome Lake Rooms (phase II)	April/July	7,676,501
	Site Work	November	1,284,384
	subtotal		8,960,885
	Retail		
	subtotal		
	Recreation Amenities		
	subtotal		
	Support Facilities		
	Sewer Treatment Plant	April	1,143,833
	Laundry	July	390,951
			(390,951)
	subtotal		1,143,833
	Total		12,016,440
	Additional Projects		
Walsh/Howard	Lodge Parking Addition (60 spaces)	Jan	75,000
Walsh/Howard	Pub Trellice System	July	125,000
	Total		200,000

5 YEAR DEVELOPMENT PLAN - continued
Bandon Dunes
Pacific Dunes

RECEIVED
OCT 0 7 2002
WATER RESOURCES DEPT.
SALEM, OREGON

2003

Golf Course Facilities

Lodging/Housing
Add 64 Guest Rooms (phase III)
RV Sites (15) Service Center

Retail

Recreation Amenities

Support Facilities
Warehouse/Dry Storage
Office Building

5 YEAR DEVELOPMENT PLAN - continued
Bandon Dunes
Pacific Dunes

RECEIVED
OCT 0 7 2002
WATER RESOURCES DEPT.
SALEM, OREGON

2004

Golf Course Facilities

Lodging/Housing
Expand RV Sites (15 spaces)

Retail
Expand/Relocate Bandon Dunes Pro Shop
Relocate Turnstand

Spa
Lap Pool, Retail/office/lounge
Massage
Support

Conference Center
Assembly
Breakout
Kitchen/Bakery

5 YEAR DEVELOPMENT PLAN - continued
Bandon Dunes
Pacific Dunes

RECEIVED
OCT 0 7 2002
WATER RESOURCES DEPT.
SALEM, OREGON

2005

Golf Course Facilities
Construct Third Golf Course
Third Golf Course Clubhouse
Third Golf Course Satellite Maintenance
Replace all temporary buildings:
- Caddy Complex
- Practice Facility
- Pacific Dunes Turnstand

Lodging/Housing
Add 100 guest rooms (phase IV)

Retail

Recreation Amenities

Support Facilities

5 YEAR DEVELOPMENT PLAN - continued
Bandon Dunes
Pacific Dunes

RECEIVED
OCT 0 7 2002
WATER RESOURCES DEPT.
SALEM, OREGON

2006

No development projects identified at this time

Golf Course Facilities

Lodging/Housing

Retail

Recreation Amenities

Support Facilities

BANDON
DUNES

EUGENE OR 974
24 OCT

WATER RESOURCES Dept.
158 12th Street NE
Salem, OR 97301-4172

97301#4172

C-02

Application No. G13577

Permit No. G13498

Name .. BANDON DUNES LIMITED PARTNERSHIP

Address .... 2130 LINCOLN PARK W
CHICAGO, IL 60614

Assigned .....

Address .....

Beginning construction 5-28-99

Completion of construction .....

Extended to .....

Complete application of water 10-1-02

Extended to .....

Form 111

G-13577

BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Permit Amendment T-10476, Coos County	)	**FINAL ORDER** APPROVING A CHANGE IN PLACE OF USE AND ADDITIONAL POINTS OF APPROPRIATION

Authority

ORS 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

Bandon Dunes Limited Partnership
2130 Lincoln Park North
Chicago, Illinois 60614

Findings of Fact

1. On October 19, 2007, Bandon Dunes Limited Partnership filed an application for a change in place of use and additional points of appropriation under Permit G-13498. The Department assigned the application number T-10476.

2. On April 10, 2008, the application was amended to change the location of proposed well 2007B within the SW¼ SW¼, Section 5, T 28 S, R 14 W, W.M.

3. The permit to be amended is as follows:

Permit:	G-13498, in the name of Bandon Dunes Limited Partnership (as previously amended by T-8861, Special Order Vol. 56, Page 907; T-9647, Special Order Vol. 59, Page 435; T-9782, Special Order Vol. 70, Page 285)
Use:	Commercial use, domestic use serving 500 households, and irrigation and out-of-season irrigation of a total of 500.0 acres
Priority Date:	December 17, 1993
Quantity:	3.55 cubic feet per second (cfs); being 0.46 cfs for domestic use for 500 households and commercial use, and 3.09 cfs for irrigation.

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

Rate/Duty: The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out-of-season irrigation. The total amount diverted shall not exceed 2.5 acre-feet for each acre irrigated each year

Acres: 500 acres

Source: Fourteen Wells, in the Cut Creek Basin

Date of complete application of water: October 1, 2022

Authorized Points of Appropriation:

Township		Range		Meridian	Sec	¼ ¼		Location
27	S	14	W	W.M.	29	NE	SW	Well L34030 – 1674 feet North and 1451 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34008 – 1354 feet North and 646 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34018 – 2515 feet North and 1169 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	SW	SW	Well L34007 – 325 feet North and 638 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SE	New Schuman Well – 1549 feet North and 2756 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	32	NW	NW	PW5 – 27 feet North and 382 feet West from the NW 1/16 Corner of Section 32.
27	S	14	W	W.M.	32	NW	NW	PW6 – 733 feet South and 1130 feet East from the NW Corner of Section 32.
27	S	14	W	W.M.	32	SW	NW	PW4 – 377 feet North and 173 feet East from the W¼ Corner of Section 32.
28	S	14	W	W.M.	5	NW	NW	Well 1 – 641 feet South and 69 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well 2 – 632 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well L44790 – 432 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	SW	NW	Well 3 – 61 feet South and 303 feet West from the NW 1/16 Corner of Section 5.
28	S	14	W	W.M.	5	NW	SW	Well L69436 – South 232.30° West 5222.22 feet from the NE Corner of Section 5.
28	S	14	W	W.M.	5	SW	SW	Well L74686 – South 230.04° West 5851.13 feet from the NE Corner of Section 5.

Authorized Place of Use:

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
27	S	14	W	W.M.	20	NE	SW	8.40
27	S	14	W	W.M.	20	SW	SW	15.00
27	S	14	W	W.M.	20	SE	SW	38.20
27	S	14	W	W.M.	29	NE	NW	40.00
27	S	14	W	W.M.	29	NW	NW	38.80
27	S	14	W	W.M.	29	SW	NW	40.00
27	S	14	W	W.M.	29	SE	NW	40.00
27	S	14	W	W.M.	29	NE	SW	28.60
27	S	14	W	W.M.	29	NW	SW	40.00
27	S	14	W	W.M.	29	SW	SW	40.00
27	S	14	W	W.M.	29	SE	SW	33.80
27	S	14	W	W.M.	29	SW	SE	27.80
27	S	14	W	W.M.	30	NE	NE	2.50
27	S	14	W	W.M.	30	SE	NE	7.90
27	S	14	W	W.M.	30	NE	SE	12.00
27	S	14	W	W.M.	30	SE	SE	18.00
27	S	14	W	W.M.	31	NE	NE	27.10
27	S	14	W	W.M.	31	SE	NE	33.60
27	S	14	W	W.M.	31	NE	SE	45.80
27	S	14	W	W.M.	31	SE	SE	12.50
27	S	14	W	W.M.	32	NW	NE	40.00
27	S	14	W	W.M.	32	NE	NW	34.80
27	S	14	W	W.M.	32	NW	NW	40.00
27	S	14	W	W.M.	32	SW	NW	40.00
27	S	14	W	W.M.	32	SE	NW	21.50
27	S	14	W	W.M.	32	NE	SW	22.30
27	S	14	W	W.M.	32	NW	SW	36.80
27	S	14	W	W.M.	32	SW	SW	21.50
27	S	14	W	W.M.	32	SE	SW	18.75
27	S	14	W	W.M.	32	NW	SE	0.50
27	S	14	W	W.M.	32	SW	SE	32.67
27	S	14	W	W.M.	32	SE	SE	10.00
28	S	14	W	W.M.	5	NE	NE	4.40
28	S	14	W	W.M.	5	NW	NE	20.46
28	S	14	W	W.M.	5	SW	NE	17.00
28	S	14	W	W.M.	5	NE	NW	30.00

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
28	S	14	W	W.M.	5	NW	NW	22.00
28	S	14	W	W.M.	5	SW	NW	9.00
28	S	14	W	W.M.	5	SE	NW	31.00
28	S	14	W	W.M.	5	NE	SW	17.00
28	S	14	W	W.M.	5	NW	SW	2.00
28	S	14	W	W.M.	5	SE	SW	2.00

SUPPLEMENTAL IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
28	S	14	W	W.M.	5	NW	NE	0.29
28	S	14	W	W.M.	5	SW	NE	0.15
28	S	14	W	W.M.	5	SE	NE	0.38

COMMERCIAL							
Township		Range		Meridian	Sec	¼	¼
27	S	14	W	W.M.	29	SE	SW
27	S	14	W	W.M.	32	NE	NW
27	S	14	W	W.M.	32	SE	NW
27	S	14	W	W.M.	32	NE	SW
27	S	14	W	W.M.	32	NW	SW
27	S	14	W	W.M.	32	SW	SW
27	S	14	W	W.M.	32	SE	SW
27	S	14	W	W.M.	32	NW	SE
28	S	14	W	W.M.	8	NW	NE
28	S	14	W	W.M.	8	NE	NW

4. Application T-10476 proposes to change the place of use of the permit to:

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
27	**S**	**14**	**W**	**W.M.**	**20**	**SE**	**SW**	**13.20**
27	**S**	**14**	**W**	**W.M.**	**20**	**SW**	**SE**	**4.72**
27	**S**	**14**	**W**	**W.M.**	**29**	**NW**	**NE**	**19.97**
27	**S**	**14**	**W**	**W.M.**	**29**	**SW**	**NE**	**28.00**
27	S	14	W	W.M.	29	NE	NW	40.00
27	**S**	**14**	**W**	**W.M.**	**29**	**NW**	**NW**	**22.40**
27	S	14	W	W.M.	29	SW	NW	40.00
27	**S**	**14**	**W**	**W.M.**	**29**	**SE**	**NW**	**33.90**

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
27	**S**	**14**	**W**	**W.M.**	**29**	**NE**	**SW**	**20.40**
27	S	14	W	W.M.	29	NW	SW	40.00
27	S	14	W	W.M.	29	SW	SW	40.00
27	**S**	**14**	**W**	**W.M.**	**29**	**SE**	**SW**	**31.30**
27	**S**	**14**	**W**	**W.M.**	**29**	**SW**	**SE**	**36.70**
27	S	14	W	W.M.	30	NE	NE	2.50
27	**S**	**14**	**W**	**W.M.**	**30**	**SE**	**NE**	**8.35**
27	**S**	**14**	**W**	**W.M.**	**30**	**NE**	**SE**	**13.10**
27	S	14	W	W.M.	30	SE	SE	18.00
27	S	14	W	W.M.	31	NE	NE	27.10
27	**S**	**14**	**W**	**W.M.**	**31**	**SE**	**NE**	**34.10**
27	**S**	**14**	**W**	**W.M.**	**31**	**NE**	**SE**	**49.20**
27	**S**	**14**	**W**	**W.M.**	**31**	**NW**	**SE**	**0.40**
27	**S**	**14**	**W**	**W.M.**	**31**	**SW**	**SE**	**0.40**
27	**S**	**14**	**W**	**W.M.**	**31**	**SE**	**SE**	**17.60**
27	S	14	W	W.M.	32	NW	NE	40.00
27	S	14	W	W.M.	32	NE	NW	34.80
27	S	14	W	W.M.	32	NW	NW	40.00
27	S	14	W	W.M.	32	SW	NW	40.00
27	S	14	W	W.M.	32	SE	NW	21.50
27	S	14	W	W.M.	32	NE	SW	22.30
27	S	14	W	W.M.	32	NW	SW	36.80
27	**S**	**14**	**W**	**W.M.**	**32**	**SW**	**SW**	**23.70**
27	**S**	**14**	**W**	**W.M.**	**32**	**SE**	**SW**	**19.05**
27	S	14	W	W.M.	32	NW	SE	0.50
27	S	14	W	W.M.	32	SW	SE	32.67
27	**S**	**14**	**W**	**W.M.**	**32**	**SE**	**SE**	**5.20**
28	**S**	**14**	**W**	**W.M.**	**5**	**NE**	**NE**	**8.45**
28	**S**	**14**	**W**	**W.M.**	**5**	**NW**	**NE**	**23.46**
28	S	14	W	W.M.	5	SW	NE	17.00
28	S	14	W	W.M.	5	NE	NW	30.00
28	S	14	W	W.M.	5	NW	NW	22.00
28	**S**	**14**	**W**	**W.M.**	**5**	**SW**	**NW**	**9.25**
28	**S**	**14**	**W**	**W.M.**	**5**	**SE**	**NW**	**33.10**
28	**S**	**14**	**W**	**W.M.**	**5**	**NE**	**SW**	**17.56**
28	**S**	**14**	**W**	**W.M.**	**5**	**NW**	**SW**	**3.00**
28	S	14	W	W.M.	5	SE	SW	2.00

SUPPLEMENTAL IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
28	S	14	W	W.M.	5	NW	NE	0.29
28	S	14	W	W.M.	5	SW	NE	0.15
28	S	14	W	W.M.	5	SE	NE	0.38

COMMERCIAL							
Township		Range		Meridian	Sec	¼	¼
27	S	14	W	W.M.	29	SE	SW
27	S	14	W	W.M.	32	NE	NW
27	S	14	W	W.M.	32	SE	NW
27	S	14	W	W.M.	32	NE	SW
27	S	14	W	W.M.	32	NW	SW
27	S	14	W	W.M.	32	SW	SW
27	S	14	W	W.M.	32	SE	SW
27	S	14	W	W.M.	32	NW	SE
28	S	14	W	W.M.	8	NW	NE
28	S	14	W	W.M.	8	NE	NW

The changed place of use is in bold type.

5. Application T-10476 proposes two additional points of appropriation located:

Township		Range		Meridian	Sec	¼	¼	Location
28	S	14	W	W.M.	5	SW	NW	Well 2007A – 95 feet North and 715 feet East from the W¼ Corner of Section 5.
28	S	14	W	W.M.	5	SW	SW	Well 2007B – Latitude: 43° 10' 07.0" North, Longitude: 124° 23' 32.3" West

6. Use of water for irrigation under this permit is limited to a development of a maximum of 500.00 acres of the potential 1024.5 acres identified in the description of the place of use above.

7. Notice of the application for the permit amendment was published in the Department's weekly notice on October 30, 2007, and in The World newspaper on January 24, 31, and February 7, 2008, pursuant to ORS 540.520(5). No comments were filed in response to the notices.

8. The change would not result in injury to other water rights.

9. The proposed place of use is owned and/or controlled by the permit holder.

10. The change does not enlarge the permit.

11. The change does not alter any other terms of the permit.

12. The proposed place of use is contiguous to the authorized place of use.

Conclusions of Law

The change in place of use and additional points of appropriation proposed by Permit Amendment Application T-10476 are consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

1. The combined quantity of water diverted at the new points of appropriation (wells), together with that diverted at the old points of appropriation, shall not exceed the maximum rate and duty allowed under Permit G-13498.

2. Prior to water use from the proposed point of appropriation, 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, and 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.

   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.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

4. The former place of use shall no longer be irrigated as part of this water right.

5. All other terms and conditions of Permit G-13498 remain the same.

6. Permit G-13498, in the name of Bandon Dunes Limited Partnership, is amended as described herein.

Dated at Salem, Oregon this 14th day of April, 2008.

Phillip C. Ward,
Director

Mailing Date: APR 25 2008

Herb Mosgar

From: Blegen, Ron [RBlegen@golder.com]
Sent: Thursday, September 06, 2007 8:25 AM
To: Herb Mosgar
Subject: Bandon Water Rights

Hi Herb,

I just left a long voicemail with these same details, but wanted to back that up with email.

Andrea Cornette from our Portland office is coming down to Salem today to look at the Bandon Dunes water rights file. In addition to that file, I was hoping you could pull application file G15082 and put that on the stack with the Bandon Dunes file. Apparently this file was generated about 7 or 8 years ago after discussions between Bandon Dunes and OWRD, but the application wasn't filed. I'm hoping the contents of the file contain information that we need to press forward with an updated application.

I haven't been able to get in touch with Andrea this morning, but I expect she'll arrive down there soon.

Thanks for the help.

Ron

Ron Blegen, RG, LHg
Golder Associates Inc.
1430 W. Broadway Road, Suite 108
Tempe, AZ 85282
480-966-0153 (Office)
480-966-0193 (Fax)

This e-mail transmission is confidential and may contain proprietary information for the express use of the intended recipient. Any use, distribution or copying of this transmission, other than by the intended recipient, is strictly prohibited. If you are not the intended recipient, please notify the sender and delete all copies. Electronic media are susceptible to unauthorized modification, deterioration, and incompatibility. Accordingly, the electronic media version of any work product may not be relied upon.

BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Permit Amendment T-9782, Coos County	)))	**FINAL ORDER** APPROVING ADDITIONAL POINTS OF APPROPRIATION

ORS 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

Bandon Dunes Limited Partnership
c/o Howard McKee
2130 Lincoln Park West
Chicago, Illinois 60614

Findings of Fact

1. On September 15, 2004, Bandon Dunes Limited Partnership filed an application for additional points of appropriation under Permit G-13498. The Department assigned the application number T-9782.

2. On August 2, 2006, the agent representing the applicant withdrew two of the proposed additional points of appropriation (Wells L66586 and L66587) from the permit amendment application.

3. The permit to be amended is as follows:

Permit:	G-13498, in the name of Bandon Dunes Limited Partnership (as previously amended by T-8861, Special Order Vol. 56, Page 907 and T-9647, Special Order Vol. 59, Page 435)
Use:	Commercial use, domestic use serving 500 households, and irrigation and out-of-season irrigation of a total of 500.0 acres
Priority Date:	December 17, 1993
Quantity:	3.55 cubic feet per second (cfs); being 0.46 cfs for domestic use for 500 households and commercial use, and 3.09 cfs for irrigation.
Rate/Duty:	The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its

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

equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out-of-season irrigation. The total amount diverted shall not exceed 2.5 acre-feet for each acre irrigated each year

Acres: 500 acres

Source: Twelve Wells, in the Cut Creek Basin

Date Of Complete Application of Water: October 1, 2022

Authorized Points of Appropriation:

Township		Range		Meridian	Sec	¼	¼	Location
27	S	14	W	W.M.	29	NE	SW	Well L34030 – 1674 feet North and 1451 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34008 – 1354 feet North and 646 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SW	Well L34018 – 2515 feet North and 1169 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	SW	SW	Well L34007 – 325 feet North and 638 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	29	NW	SE	New Schuman Well – 1549 feet North and 2756 feet East from the NW Corner of Section 32, T 27 S, R 14 W, W.M.
27	S	14	W	W.M.	32	NW	NW	PW5 – 27 feet North and 382 feet West from the NW 1/16 Corner of Section 32.
27	S	14	W	W.M.	32	NW	NW	PW6 – 733 feet South and 1130 feet East from the NW Corner of Section 32.
27	S	14	W	W.M.	32	SW	NW	PW4 – 377 feet North and 173 feet East from the W¼ Corner of Section 32.
28	S	14	W	W.M.	5	NW	NW	Well 1 – 641 feet South and 69 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well 2 – 632 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	NW	NW	Well L44790 – 432 feet South and 254 feet West from the W 1/16 Corner between Sections 5 and 32.
28	S	14	W	W.M.	5	SW	NW	Well 3 – 61 feet South and 303 feet West from the NW 1/16 Corner of Section 5.

Authorized Place of Use:

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
27	S	14	W	W.M.	20	NE	SW	8.40
27	S	14	W	W.M.	20	SW	SW	15.00
27	S	14	W	W.M.	20	SE	SW	38.20
27	S	14	W	W.M.	29	NE	NW	40.00
27	S	14	W	W.M.	29	NW	NW	38.80
27	S	14	W	W.M.	29	SW	NW	40.00
27	S	14	W	W.M.	29	SE	NW	40.00
27	S	14	W	W.M.	29	NE	SW	28.60
27	S	14	W	W.M.	29	NW	SW	40.00
27	S	14	W	W.M.	29	SW	SW	40.00
27	S	14	W	W.M.	29	SE	SW	33.80
27	S	14	W	W.M.	29	SW	SE	27.80
27	S	14	W	W.M.	30	NE	NE	2.50
27	S	14	W	W.M.	30	SE	NE	7.90
27	S	14	W	W.M.	30	NE	SE	12.00
27	S	14	W	W.M.	30	SE	SE	18.00
27	S	14	W	W.M.	31	NE	NE	27.10
27	S	14	W	W.M.	31	SE	NE	33.60
27	S	14	W	W.M.	31	NE	SE	45.80
27	S	14	W	W.M.	31	SE	SE	12.50
27	S	14	W	W.M.	32	NW	NE	40.00
27	S	14	W	W.M.	32	NE	NW	34.80
27	S	14	W	W.M.	32	NW	NW	40.00
27	S	14	W	W.M.	32	SW	NW	40.00
27	S	14	W	W.M.	32	SE	NW	21.50
27	S	14	W	W.M.	32	NE	SW	22.30
27	S	14	W	W.M.	32	NW	SW	36.80
27	S	14	W	W.M.	32	SW	SW	21.50
27	S	14	W	W.M.	32	SE	SW	18.75
27	S	14	W	W.M.	32	NW	SE	0.50
27	S	14	W	W.M.	32	SW	SE	32.67
27	S	14	W	W.M.	32	SE	SE	10.00
28	S	14	W	W.M.	5	NE	NE	4.40
28	S	14	W	W.M.	5	NW	NE	20.46
28	S	14	W	W.M.	5	SW	NE	17.00

IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
28	S	14	W	W.M.	5	NE	NW	30.00
28	S	14	W	W.M.	5	NW	NW	22.00
28	S	14	W	W.M.	5	SW	NW	9.00
28	S	14	W	W.M.	5	SE	NW	31.00
28	S	14	W	W.M.	5	NE	SW	17.00
28	S	14	W	W.M.	5	NW	SW	2.00
28	S	14	W	W.M.	5	SE	SW	2.00

SUPPLEMENTAL IRRIGATION								
Township		Range		Meridian	Sec	¼	¼	Acres
28	S	14	W	W.M.	5	NW	NE	0.29
28	S	14	W	W.M.	5	SW	NE	0.15
28	S	14	W	W.M.	5	SE	NE	0.38

COMMERCIAL							
Township		Range		Meridian	Sec	¼	¼
27	S	14	W	W.M.	29	SE	SW
27	S	14	W	W.M.	32	NE	NW
27	S	14	W	W.M.	32	SE	NW
27	S	14	W	W.M.	32	NE	SW
27	S	14	W	W.M.	32	NW	SW
27	S	14	W	W.M.	32	SW	SW
27	S	14	W	W.M.	32	SE	SW
27	S	14	W	W.M.	32	NW	SE
28	S	14	W	W.M.	8	NW	NE
28	S	14	W	W.M.	8	NE	NW

4. Application T-9782 proposes additional points of appropriation located:

Township		Range		Meridian	Sec	¼ ¼		Location
28	S	14	W	W.M.	5	NW	SW	Well L69436 – South 232.30° West 5222.22 feet from the NE Corner of Section 5.
28	S	14	W	W.M.	5	SW	SW	Well L74686 – South 230.04° West 5851.13 feet from the NE Corner of Section 5.

5. Use of water for irrigation under this permit is limited to a development of a maximum of 500.00 acres of the potential 1024.5 acres identified in the description of the place of use above.

6. Notice of the application for the permit amendment was published in the Department's weekly notice on October 12, 2004, and in the Bandon Western World Newspaper on August 31, September 7, and September 14, 2006, pursuant to ORS 540.520(5). No comments were filed in response to the notices.

7. The change would not result in injury to other water rights.

8. The change does not enlarge the permit.

9. The change does alter other terms of the permit.

Conclusions of Law

The additional points of appropriation proposed by Permit Amendment Application T-9782 are consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

1. The combined quantity of water diverted at the new points of appropriation (wells), together with that diverted at the old points of appropriation, shall not exceed the maximum rate and duty allowed under Permit G-13498.

2. Prior to water use from the proposed point of appropriation, 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, and 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.

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.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

4. All other terms and conditions of Permit G-13498 remain the same.

5. Permit G-13498, in the name of Bandon Dunes Limited Partnership, is amended as described herein.

Dated at Salem, Oregon this 27th day of September, 2006.

Debbie Colbert

Phillip C. Ward, for
Director

Mailing Date: OCT 0 9 2006

* THIS REVIEW SUPERSEDES THE REVIEW OF 2/19;

TO: Water Rights Section 11-13, 1997.

FROM: Groundwater/Hydrology Section Done Woodcock
Reviewer's Name

SUBJECT: Application G- 13577

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)_____;
      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)_____;
      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: See attached proposed conditions

(Well Construction Considerations on Reverse Side)

G-13577

To: File G-13577

From: Doug Woodcock

Subject: Proposed Permit Conditions

The application for the Bandon Coastal Dunes G-13577 has been reviewed. The finding of No Potential For Substantial Interference can be made by incorporating the hydrogeologic consultant's requests for changes to the original application and by conditioning the permit with some data collection and resource management conditions.

APPLICANT'S AMENDMENTS

1) In a letter to the department dated May 27, 1997 the applicant's consultant requested the application be amended to reduce the quantity of water from 5.88 to 3.55 CFS.

2) In a letter to the department dated July 12, 1997 the applicant's consultant requested the application be amended to drop all sump wells and use of water shall be from drilled wells.

RESOURCE MANAGEMENT AND DATA COLLECTION CONDITIONS **(bold indicates new language)**

7A Non-Seasonal Use Condition (modified to reflect a maximum 10 ft decline)

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within **60 days** of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include: **1)** a **5 year** program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells; **2) measure specific conductance of ground water; 3) collect and report water use data; 4) outline a mitigation plan to address future ground water interference with surface water and salt water encroachment**. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of **10 or more feet** over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the **10-foot decline level** or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

7B Interference Condition

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.

WELL DRILLING AND CONSTRUCTION

Production well locations shall be limited to the areas identified as "Alternative Well Placement Areas" in EGR and Associates document of May 27, 1997.

With the exception of the existing Schuman well (Coos 330), all wells used for water supply under this permit shall be constructed in a manner to case and seal off all water to a minimum depth of 80 ft below land surface.

Any future well drilling shall be coordinated with the Department for well location, well construction and the driller's collection of geologic samples.

Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## G-13577

ROUTED TO: WATER RIGHTS

TOWNSHIP/
RANGE-SECTION: 27S/14-31,32

CONDITIONS ATTACHED? [✓] yes [ ] no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: D. WOODCOCK

TO: Water Rights Section

FEB 9, 1994

FROM: Groundwater/Hydrology Section D. M Ponds

SUBJECT: Application G- 13577

1. PER THE _____ Basin rules, one or feet/mile of a surface water source (_____ connected to the surface water.

2. BASED UPON OAR 690-09 currently in effect,
   a. ✓ will, or } have the potential for subs
   b. ____ will not } source, namely Cut C
   c. ____ will, if properly conditioned, adequately
      i. ___ The permit should contain conditi
      ii. ___ The permit should contain special
      iii. ___ The permit should be conditioned
   d. ____ will, with well reconstruction, adequately

3. BASED UPON available data, I have determine
   a. ____ will, or } likely be available in the ar
   b. ____ will not } within the capacity of the r
   c. ✓ can, if properly conditioned, avoid injury
   * i. ___ The permit should contain conditio
      ii. ___ The permit should contain special
      iii. ___ The permit should be conditioned a

Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## 13577

ROUTED TO: Colleen

TOWNSHIP/ 27s/14-31,32
RANGE-SECTION: ~~14S~~ 28s/14w-5

CONDITIONS ATTACHED? [✓] yes [ ] no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: DEW.

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.

G-13577

REMARKS: * IF THE HYDRAULIC INTERFERENCE ISSUE IS RESOLVED AND THE PERMIT IS ISSUED, IT SHOULD BE CONDITIONED W/ RESOURCE PROTECTION MEASURE 4/H. MODIFY 4/H TO ALLOW NO MORE THAN 15 ft OF DECLINE.

WELL CONSTRUCTION (If more than one well

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
   b._____was not
   } constructed according to the standards in effect at the time of 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.

_____ _____, 1992.
(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: _____
_____
_____

_____ _____, 1992.
(Signature)

(WRFORM3(92)

(1)

WATER RESOURCES DEPARTMENT MEMORANDUM

TO: Groundwater/Hydrology Files Date FEB 8, 1994

FROM: Douglas Woodcock

SUBJECT: Groundwater Application G- 13577

Applicant(s) seek 2640 gpm (cfs) from 5 wells in the
basin
CUT CR sub basin
FAHYS CR sub basin.

Pertinent 7 1/2 - minute quads BULLARDS

Well 1 WRD# T 27S R 14W S 31 QQ SENE County COOS
Legal Description 3300'N + 490'W OF SE COR SEC 31
Well is 950 ft from PACIFIC OCEAN (river/stream)
Well is 2500 ft from CUT CR (river/stream)
Well elevation 100 ft. River/stream elevation 20' (CUT CR) ± ft.
Well elevation - river/stream elevation 80'
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? UNCONFINED Direct hydraulic connection? PACIFIC O
Potential to cause substantial interference? NO

Well 2 WRD# T 27S R 14W S 32 QQ SWNW County COOS
Legal Description 3325'N + 990'E OF SW COR SEC 32
Well is 1500 ft from CUT CR (river/stream)
Well is 2500 ft from PACIFIC O (river/stream)
Well elevation 115 ft. River/stream elevation 50 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? UNCONFINED Direct hydraulic connection? Y/ES
Potential to cause substantial interference? Y/ES

WELLS NOT DRILLED YET

Conditioned water rights in area: SEE ATTACHED MEMO
Other nearby water rights of record: SEE ATTACHD STREAM INDEX
Density of nearby wells: #1 DOM WELLS

Comments: AQUIFER NOT IDENTIFIED FOR PROPOSED WELLS — ONLY THAT WELLS WILL BE > 100 A. THIS WOULD APPEAR TO EXCEED THE DEPTH OF THE DUNAL + QMT AQUIFERS; HOWEVER THESE ARE THE ONLY AQUIFERS W/ QUANTITY OF H_2O FOR DEVELOPMENT. AQUIFERS ARE GENERALLY UNCONSOLIDATED TO SEMI-CONSOLIDATED AND UNCONFINED. THE GROUNDWATER IS IN HYDRAULIC CONNECTION W/ NEARBY SURFACE WATER. FLOW ADJACENT TO WELL #1 IS LIKELY TOWARD
References used: THE OCEAN AND IS UNLIKELY TO IMPACT CREEKS. WELL #3 IS A HAZARD TO CUT CR. RECOMMEND APPLICANT DEMONSTRATE WATER AVAILABILITY W/O IMPACT TO SURFACE WATER OR GW RESOURCE.

REFERENCE: GEOLOGIC MAP OF BANDON + PART OF LANGLOIS BULLETIN 87, DOGAMI

(2)

WATER RESOURCES DEPARTMENT MEMORANDUM

TO: Groundwater/Hydrology Files Date_____

FROM: Douglas Woodcock

SUBJECT: Groundwater Application G-_____ _____

_____ _____

Applicant(s) seek _____ gpm (_____ cfs) from _____ wells in the _____ basin _____ sub basin _____ sub basin.

Pertinent 7 1/2 - minute quads _____ _____ _____ _____

Well 3 WRD # _____ T 27S R 14W S 31 QQ NESE County COOS

Legal Description 1450' N + 0' E from SE Cor SEC 31

Well is 600 ft from CUT CR (river/stream)

Well is 1700 ft from PACIFIC O (river/stream)

Well elevation 80 ft. River/stream elevation 30 ± 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? UNCONFINED Direct hydraulic connection? YES

Potential to cause substantial interference? YES

Well 4 WRD # _____ T 28S R 14W S 5 QQ NWNW County COOS

Legal Description 460' S + 950' E from NW Cor SEC 5

Well is 1600 ft from CUT CR (river/stream)

Well is 2500 ft from FAHYS CR (river/stream)

Well elevation 100 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? UNCONFINED Direct hydraulic connection? UNKNOWN

Potential to cause substantial interference? DIFFICULT TO DETERMINE FLOW DIRECTION

Conditioned water rights in area: _____

Other nearby water rights of record: _____

Density of nearby wells: _____

Comments: _____

References used: _____

(3)

WATER RESOURCES DEPARTMENT MEMORANDUM

TO: Groundwater/Hydrology Files Date_____

FROM: Douglas Woodcock

SUBJECT: Groundwater Application G-_____ _____

_____ _____

Applicant(s) seek _____ gpm (_____ cfs) from _____ wells in the _____ basin _____ sub basin _____ sub basin.

Pertinent 7 1/2 - minute quads _____ _____

_____ _____

Well 5 WRD # _____ T 28 S R 14 W S 5 QQ SW NW County Coos

Legal Description 2640' S & 1030' E OF NW COR SEC 5

Well is 1200 ft from FAIRY'S LAKE (river/stream)

Well is _____ ft from _____ (river/stream)

Well elevation 79 ft. River/stream elevation 70' ± 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? UNCONFINED Direct hydraulic connection? _____

Potential to cause substantial interference? DIFFICULT TO ASSESS FLOW DIRECTION

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: _____

Other nearby water rights of record: _____

Density of nearby wells: _____

Comments: _____

_____

_____

_____

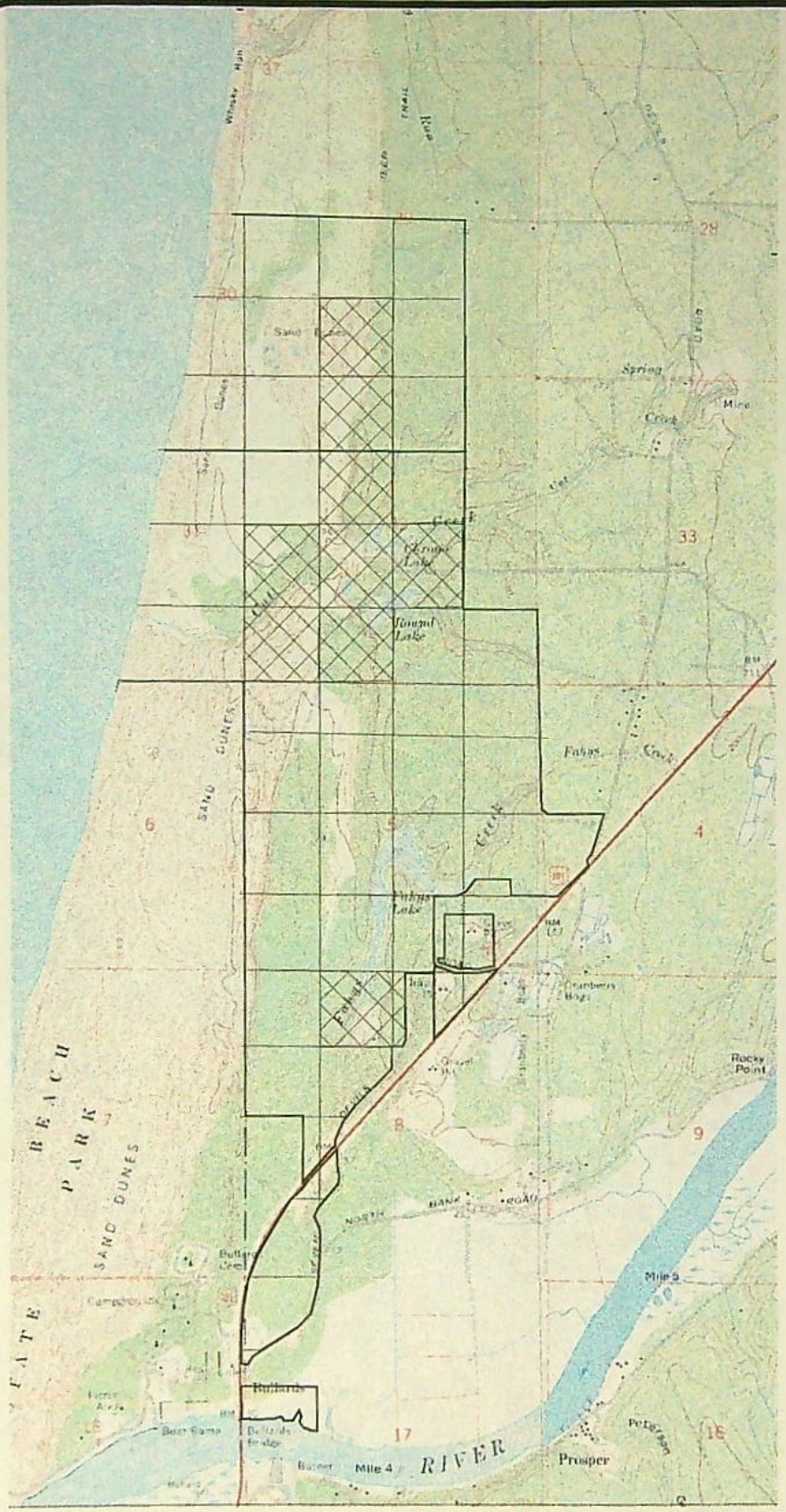
_____

_____

References used: _____

_____

_____



EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Phone (541) 688-8322
FAX (541) 688-8087

Title Line 1
Title Line 2

C-13577

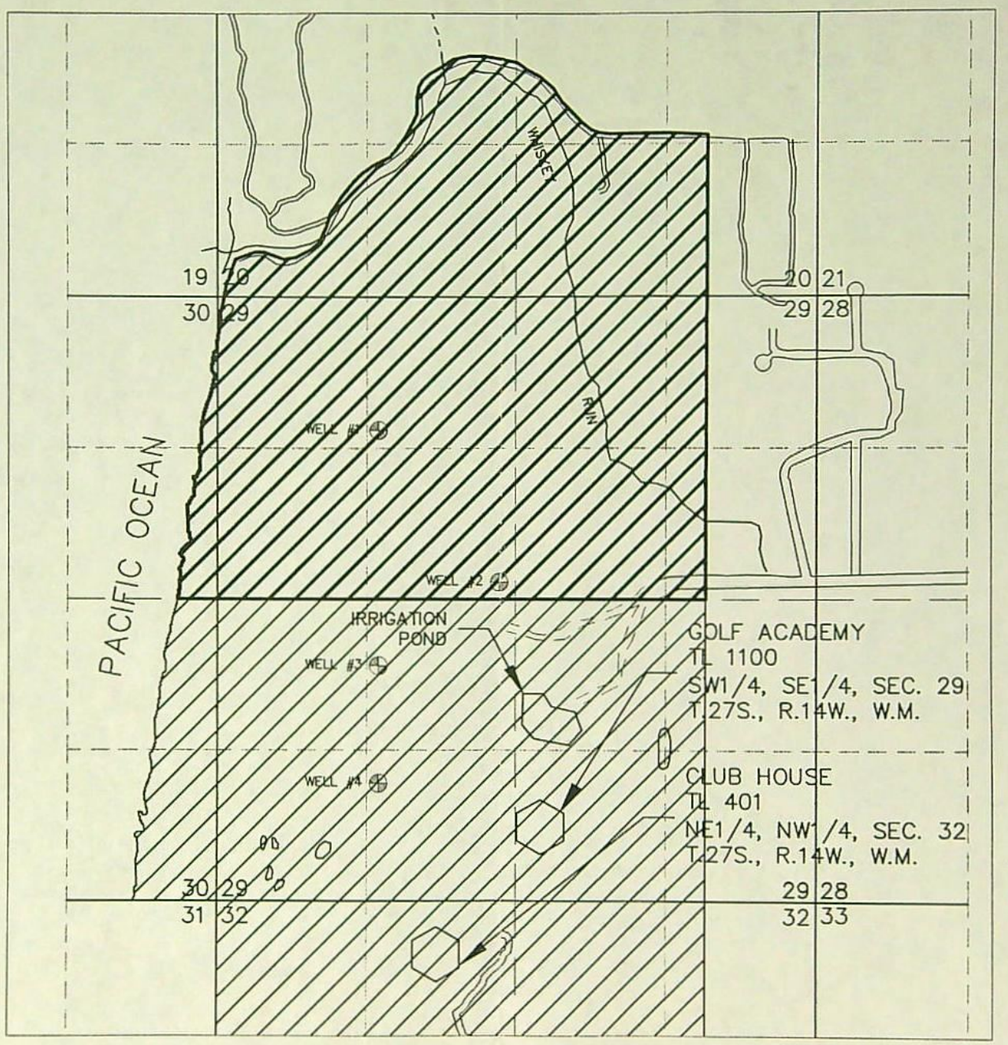
APPLICATION FOR WATER RIGHTS

AREA OF USE AND POINT OF DIVERSION MAP

T.L. 300, 400, 401, 500, 600, 700, 800, 900; SEC. 20, T.27S., R.14W., W.M.
T.L. 100, 200, 300, 400, 401, 600, 601, 700; SEC. 30, T.29S., R.14W., W.M.
BANDON, COOS COUNTY, OREGON

N

1320 0 1320 2640
SCALE 1" = 1320'



NEW PROPOSED AREA OF IRRIGATION

TOWNSHIP	RANGE	SECTION	0.25	0.25	APPROXIMATE TOTAL ACRES	APPROXIMATE IRRIGATED ACRES
27	14	20	NE	SW	14.5	14.5
27	14	20	SE	SW	39.1	39.1
27	14	20	SW	SW	15.0	15.0
27	14	20	NW	SE	8.0	8.0
27	14	20	NE	SE	0.7	0.7
27	14	20	SE	SE	10.8	10.8
27	14	20	SW	SE	40.0	40.0
27	14	29	NW	NW	39.8	39.8
27	14	29	NE	NW	40.0	40.0
27	14	29	SE	NW	40.0	40.0
27	14	29	SW	NW	40.0	40.0
27	14	29	NW	NE	40.0	40.0
27	14	29	NE	NE	10.7	10.7
27	14	29	SE	NE	10.7	10.7
27	14	29	SW	NE	40.0	40.0
27	14	30	NE	NE	1.7	1.7
27	14	30	SE	NE	7.8	7.8
TOTAL APPROXIMATE ACRES					398.8	398.8

RECEIVED
FEB 0 2 2001
WATER RESOURCES DEPT.
SALEM, OREGON

DESCRIPTION	NORTHING	EASTING
POINTS OF DIVERSION		
WELL NO. 1	14115.7163	6144.4670
WELL NO. 2	12790.6562	7215.1987
WELL NO. 3	12057.9367	6144.3831
WELL NO. 4	11029.0470	6144.3411
BASIS OF BEARING		
SE CORNER SEC 29	10000.000	10000.0000

\\GEOSERVE\PROJECTS\0910 BCD\99 Water Rights\0910-99-0146\11-22-00-bcdwrAddendum.dwg

G-13577

PREPARED FOR:
BALLY BANDON, L.P.
% MICHAEL KEISER
2450 N. LAKEVIEW
CHICAGO, IL 60614

PREPARED BY:
EGR & ASSOCIATES
2535 B PRAIRIE ROAD
EUGENE, OR 97402

LEGEND

- PROPERTY BOUNDARY
- SECTION LINE
- 1/4 SECTION LINE
- 1/16 SECTION LINE
- AREA OF PROPOSED COMMERCIAL USE
- PROPOSED POINT OF DIVERSION
- NEW PROPOSED AREA OF IRRIGATION
- PORTION OF PREVIOUS AREA OF IRRIGATION

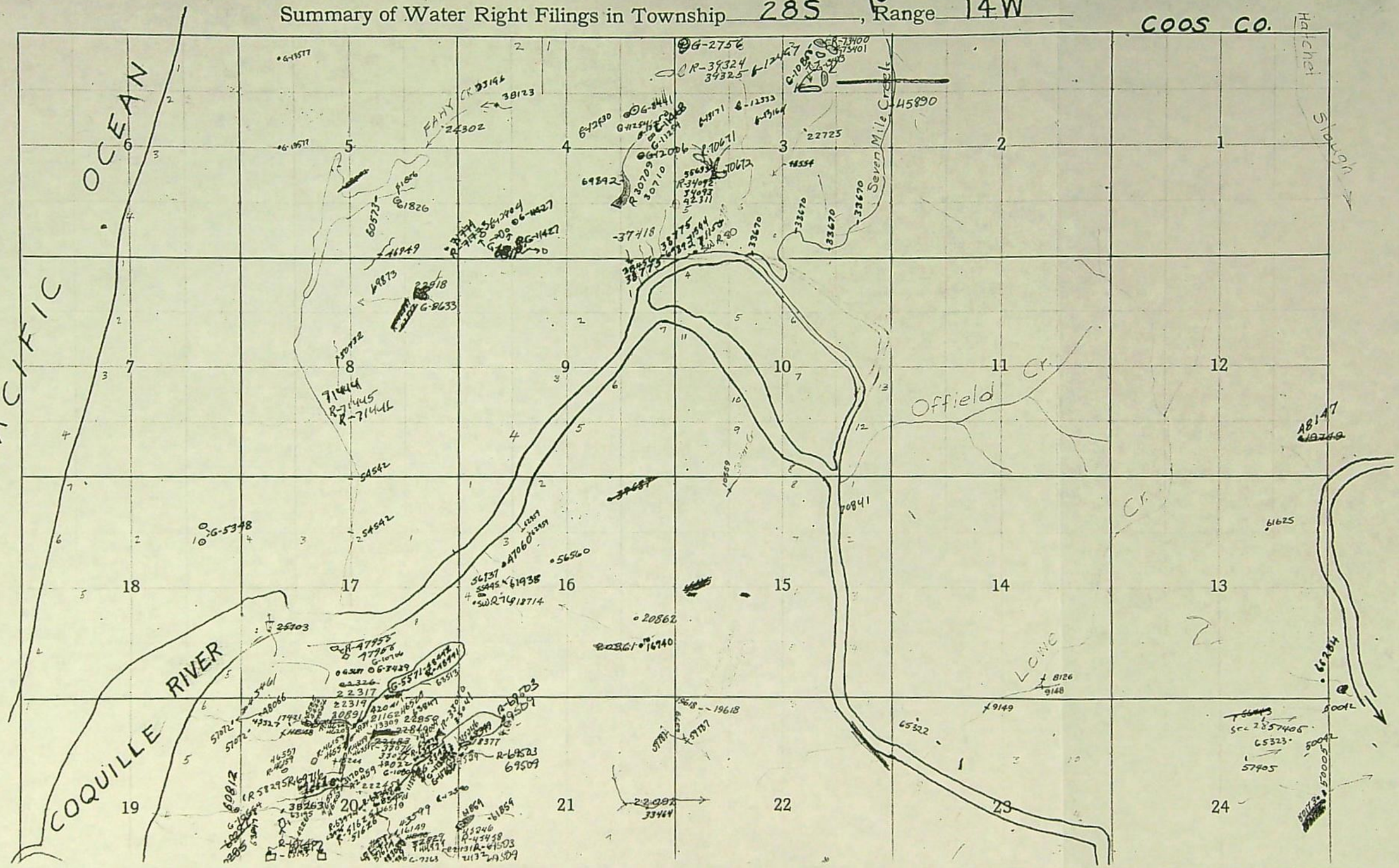
THIS MAP HAS BEEN PREPARED FOR THE SOLE PURPOSE OF IDENTIFYING THE REQUESTED WATER RIGHT LOCATION. THERE IS NO INTENT TO PROVIDE DIMENSIONS OR LOCATIONS OF PROPERTY OWNERSHIP LINES.

DATE: 10-20-99
PROJECT NUMBER: 910-99-0146

EGR & Associates, Inc.
Engineers, Geologists and Surveyors
25358 Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

Summary of Water Right Filings in Township 28S, Range 14W

COOS CO.




18
17
16
15
14
13
19
20
21
22
23
24
30
29
28
27
26
25
31
32
33
34
35
36
PACIFIC
Whiskey Run
Hatchet Slough
The Lagoons
Seven Mile Cr.
To Coquille River
T27S
R14W

GROUNDWATER APPLICATION

G-13577 (DOUG)

Estimated number of wells within one mile radius of POA:

TOTAL: 41

DO: 41
ID:
IR:
MO:
MU:
IM:
UN:

State observation wells within a five mile radius:

86

Groundwater permits issued with conditions within a five mile radius:

G-12333
G-12497
G-13171
G-13250
G-13164
G-13413

#1 27S 14W 31 SE NE, #2 27S 14W 32 SW NW, #3 27S 14W 31 NE SE,
#4 28S 14W 5 NW NW, #5 28S 14W 5 SW NW

G-13577

STATE OF OREGON

COUNTY OF COOS

ORDER APPROVING A CHANGE IN PLACE OF USE

Pursuant to ORS 537.211, after notice was given and finding that no injury to existing water rights would result, this order approves, as conditioned or limited herein, PERMIT AMENDMENT T-9647 submitted by

BANDON DUNES LIMITED PARTNERSHIP C/O HOWARD McKEE
2130 LINCOLN PARK WEST
CHICAGO, ILLINOIS 60614.

The permit to be modified is Permit G-13498 with a date of priority of DECEMBER 17, 1993. The permit allows the use of TWELVE WELLS, in the CUT CREEK BASIN, for COMMERCIAL USE, DOMESTIC USE SERVING 500 HOUSEHOLDS, AND IRRIGATION AND OUT-OF-SEASON IRRIGATION OF A TOTAL OF 500.0 ACRES. The amount of water to which this permit is entitled is limited to an amount actually beneficially used and shall not exceed 3.55 CUBIC FEET PER SECOND(CFS), BEING 0.46 CFS FOR DOMESTIC USE FOR 500 HOUSEHOLDS AND COMMERCIAL USE, AND 3.09 CFS FOR IRRIGATION, if available at the authorized wells:

PW5 - NW¼ NW¼, SECTION 32, T 27 S, R 14 W, W.M.; 27 FEET NORTH AND 382 FEET WEST FROM THE NW 1/16 CORNER OF SECTION 32.

PW4 - SW¼ NW¼, SECTION 32, T 27 S, R 14 W, W.M.; 377 FEET NORTH AND 173 FEET EAST FROM THE W¼ CORNER OF SECTION 32.

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2).

Pursuant to ORS 536.075 and OAR 137-004-080 and OAR 690-01-005 you may either petition for judicial review or petition the Director for reconsideration of this order.

WELL 1 - NW¼ NW¼, SECTION 5, T 28 S, R 14 W, W.M.; 641 FEET SOUTH AND 69 FEET WEST FROM THE W 1/16 CORNER BETWEEN SECTIONS 5 AND 32.

WELL 2 - NW¼ NW¼, SECTION 5, T 28 S, R 14 W, W.M.; 632 FEET SOUTH AND 254 FEET WEST FROM THE W 1/16 CORNER BETWEEN SECTIONS 5 AND 32.

WELL 3 - SW¼ NW¼, SECTION 5, T 28 S, R 14 W, W.M.; 61 FEET SOUTH AND 303 FEET WEST FROM THE NW 1/16 CORNER OF SECTION 5.

NEW SCHUMAN WELL - NW¼ SE¼, SECTION 29, T 27 S, R 14 W, W.M.; 1549 FEET NORTH AND 2756 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL L34030 - NE¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 1674 FEET NORTH AND 1451 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL L34018 - NW¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 2515 FEET NORTH AND 1169 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL L34008 - NW¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 1354 FEET NORTH AND 646 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL L34007 - SW¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 325 FEET NORTH AND 638 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL PW6 - NW¼ NW¼, SECTION 32, T 27 S, R 14 W, W.M.; 733 FEET SOUTH AND 1130 FEET EAST FROM THE NW CORNER OF SECTION 32.

WELL L44790 - NW¼ NW¼, SECTION 5, T 28 S, R 14 W, W.M.; 432 FEET SOUTH AND 254 FEET WEST FROM THE W 1/16 CORNER BETWEEN SECTIONS 5 AND 32.

, or its equivalent in case of rotation, measured at the well.

The amount of water used for irrigation, together with the amount secured under any other right existing on the same lands, is limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 2½ acre-feet per acre for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out of season irrigation. The total amount diverted shall not exceed 2½ acre-feet for each acre irrigated each year.

The use shall conform to any reasonable rotation system ordered by the proper state officer.

The authorized place of use is as follows:

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NE¼ SW¼	8.40 ACRES		
SW¼ SW¼	15.00 ACRES		
SE¼ SW¼	38.20 ACRES		
	SECTION 20		
NE¼ NW¼	40.00 ACRES		
NW¼ NW¼	38.80 ACRES		
SW¼ NW¼	40.00 ACRES		
SE¼ NW¼	40.00 ACRES		
NE¼ SW¼	28.60 ACRES		
NW¼ SW¼	40.00 ACRES		
SW¼ SW¼	40.00 ACRES		
SE¼ SW¼	33.80 ACRES		X
SW¼ SE¼	27.80 ACRES		
	SECTION 29		
NE¼ NE¼	2.50 ACRES		
SE¼ NE¼	7.90 ACRES		
NE¼ SE¼	12.00 ACRES		
SE¼ SE¼	18.00 ACRES		
	SECTION 30		
NE¼ NE¼	27.10 ACRES		
SE¼ NE¼	33.60 ACRES		
NE¼ SE¼	45.80 ACRES		
SE¼ SE¼	12.50 ACRES		
	SECTION 31		

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NW¼ NE¼	40.00 ACRES		
NE¼ NW¼	34.80 ACRES		X
NW¼ NW¼	40.00 ACRES		
SW¼ NW¼	40.00 ACRES		
SE¼ NW¼	21.50 ACRES		X
NE¼ SW¼	22.30 ACRES		X
NW¼ SW¼	36.80 ACRES		X
SW¼ SW¼			X
SE¼ SW¼	12.50 ACRES		X
NW¼ SE¼	0.50 ACRE		X
SW¼ SE¼	36.10 ACRES		

SECTION 32

TOWNSHIP 27 SOUTH, RANGE 14 WEST, W.M.

NE¼ NE¼	29.40 ACRES		
NW¼ NE¼	28.11 ACRES	0.29 ACRE	
SW¼ NE¼	39.85 ACRES	0.15 ACRE	
SE¼ NE¼	35.42 ACRES	0.38 ACRE	
NE¼ NW¼	9.30 ACRES		
SE¼ NW¼	13.60 ACRES		
NE¼ SW¼	6.20 ACRES		
NE¼ SE¼	9.30 ACRES		
NW¼ SE¼	18.00 ACRES		

SECTION 5

NW¼ NE¼			X
NE¼ NW¼			X

SECTION 8

TOWNSHIP 28 SOUTH, RANGE 14 WEST, W.M.

"*" Use of water for irrigation under this permit is limited to a development of a maximum of 500.0 acres of the potential 1024.5 acres identified in the description of the place of use above.

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

The applicant proposes to change the place of use to:

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NE¼ SW¼	8.40 ACRES		
SW¼ SW¼	15.00 ACRES		
SE¼ SW¼	38.20 ACRES		
	SECTION 20		
NE¼ NW¼	40.00 ACRES		
NW¼ NW¼	38.80 ACRES		
SW¼ NW¼	40.00 ACRES		
SE¼ NW¼	40.00 ACRES		
NE¼ SW¼	28.60 ACRES		
NW¼ SW¼	40.00 ACRES		
SW¼ SW¼	40.00 ACRES		
SE¼ SW¼	33.80 ACRES		X
SW¼ SE¼	27.80 ACRES		
	SECTION 29		
NE¼ NE¼	2.50 ACRES		
SE¼ NE¼	7.90 ACRES		
NE¼ SE¼	12.00 ACRES		
SE¼ SE¼	18.00 ACRES		
	SECTION 30		
NE¼ NE¼	27.10 ACRES		
SE¼ NE¼	33.60 ACRES		
NE¼ SE¼	45.80 ACRES		
SE¼ SE¼	12.50 ACRES		
	SECTION 31		

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NW¼ NE¼	40.00 ACRES		
NE¼ NW¼	34.80 ACRES		X
NW¼ NW¼	40.00 ACRES		
SW¼ NW¼	40.00 ACRES		
SE¼ NW¼	21.50 ACRES		X
NE¼ SW¼	22.30 ACRES		X
NW¼ SW¼	36.80 ACRES		X
•SW¼ SW¼	21.50 ACRES		X
•SE¼ SW¼	18.75 ACRES		X
NW¼ SE¼	0.50 ACRE		X
•SW¼ SE¼	32.67 ACRES		
•SE¼ SE¼	10.00 ACRES		

SECTION 32

TOWNSHIP 27 SOUTH, RANGE 14 WEST, W.M.

•NE¼ NE¼	4.40 ACRES		
•NW¼ NE¼	20.46 ACRES	0.29 ACRE	
•SW¼ NE¼	17.00 ACRES	0.15 ACRE	
•SE¼ NE¼		0.38 ACRE	
•NE¼ NW¼	30.00 ACRES		
•NW¼ NW¼	22.00 ACRES		
•SW¼ NW¼	9.00 ACRES		
•SE¼ NW¼	31.00 ACRES		
•NE¼ SW¼	17.00 ACRES		
•NW¼ SW¼	2.00 ACRES		
•SE¼ SW¼	2.00 ACRES		

SECTION 5

NW¼ NE¼			X
NE¼ NW¼			X

SECTION 8

TOWNSHIP 28 SOUTH, RANGE 14 WEST, W.M.

"*" Use of water for irrigation under this permit is limited to a development of a maximum of 500.0 acres of the potential 1024.5 acres identified in the description of the place of use above.

"•" Place of use involved in the change.

THIS CHANGE TO AN EXISTING WATER PERMIT MAY BE MADE PROVIDED THE FOLLOWING CONDITIONS ARE MET BY THE WATER USER:

1. The former place of use shall no longer be irrigated as a part of this water right.

2. All other terms and conditions of the permit remain the same.

Permit G-13498, in the name of BANDON DUNES LIMITED PARTNERSHIP is amended as described herein.

WITNESS the signature of the Water Resources Director, affixed MAR 2 6 2004.

For Paul R. Cleary, Director

Application # G-13577 / **Permit #** G-13498

Route Slip ... Extension of Time

per Division 315 Rules... (Extensions received on July 1, 2001 or after)

- WRIG...
  Money Receipted: $100.00 on 10-7-02

- Lisa Juul...
  Extension Completeness: 10-8-02
  (If NOT complete, send certified letter requesting add'l information.)

If Extension Appl complete and $100 fee submitted, route to...

- Jonnine Fuss...
  Initial 30-day Public Notice: 10/15/02 JF
  Update Extension Database: 10/15/02 JF
  Files back to filing cabinets: Back to Lisa

At the close of the Initial 30-day Comment Period...

- Lisa Juul...
  Pull files for Ext PFO review: _____
  Extension PFO completed: _____

Once Extension PFO signed by Dwight French...

- Jonnine Fuss...
  Prepare Ext PFO for mailing to applicant: _____
  Mail to those who commented ***and*** paid copy fee: _____
  Include Ext PFO on weekly Public Notice: _____

Within 60 days after the close of the 45-day PFO Protest Period...

(PFO Protest Period ends 45 days from PFO sign date)...

- Lisa Juul...
  Issue an Extension FO: _____

EXTENSION REVIEW CHECKLIST for PFO... *per Div. 315 Rules*

Application #: G-13577 / **Permit #:** G-13498

Permittee's Name: Howard McKee ; Bandon Dunes Lmtd

Permittee's Mailing Address: 57744 Round Lake Dr, Bandon OR 97411

27S – 14W – 32

POD Location: Township 28S Range 14W Section 5 ¼ ¼ _____

Stream Basin: _____ **County:** Coos

✓ 1. Has the applicant completely filled out the *updated* Extension Application form? **Yes** / No ✓ $100.00 - Yes

***If "No"..... has certified request for the new extension form been sent? ~~Yes / No~~ (★ See Also T-8861 for proposed permit amendment

2. Shortcomings of Extension Request..... based upon review of updated extension form **Yes / No**

***(**NOTE:** *Any missing Extension information that is needed before an Extension PFO can be completed???)*

✓ 3. **Date Permit was issued:** 10-7-98 (priority = 12-17-93)

✓ 4. **Source:** Six Wells in Cut Creek Basin

✓ 5. **Use:** • Domestic for 500 Households • Commercial Use • Irrigation & Out-of-Season Irrigation of 500.0 AC

✓ 6. **"Q":** 3.55 cfs (Being: • 0.46 cfs for Domestic for 500 Households & Commercial • 3.09 cfs for Irrigation)

✓ 7. **Original "B" Date:** _____ **Original "C" Date:** 10-1-2002

✓ 8. **Conditions of Permit:** Original "A" Date: 5-28-99

★ See Permit --- (copy attached)

✓ 9. **Extension request received:** 10-7-02 **Request Number (...1st 2nd, 3rd):** 1st

✓ 10. **Last Authorized "B" Date:** No "B" Date **Last Authorized "C" Date:** 10-1-2002

✓ 11. **Proposed "B" Date:** ~~10-1-2022~~ **Proposed C Date:** 10-1-2022

✓ 12. **Amount Invested to date:** $3,100,000.00 **Estimated Total Cost:** $5,100,000.00

***Estimated Remaining Cost:** $2,000,000.00*

13. The water project development made to date has been accomplished in accordance with the terms and conditions contained in the permit. (Yes) / No ***If "No"..... What permit terms and/or conditions have not been met?

- Dept approved Monitoring/Reporting Plan on 10-15-01
- Meters installed
- Water Use Reported
- construction of wells began in 1997 → "A" Date met - see copies of well logs in file
- Well constr. OK - See Doug Woodcock's GW review dated 1-22-03.

14. Work on the water development project completed to date includes: _____

- irrigated 220.2 Ac
- installed meters
- submitted Monitoring/Reporting Plan to WRD.
- installation of a 53,000 gallon domestic storage tank.
- installed boost pump station
- irrig. sys & res. for golf course constr.
- add'l Irrig. system installed at the practice center.
- constructed SIX wells
- Have used max of 0.985 cfs (per Sept 2000 Water Use Report)
- Hotel - serving water to 132 rooms.

15. The work remaining to be completed consists of: _____

- Complete application of water to beneficial use.

16. Progress in perfecting the permit is being held up by: _____

size & scope of the project.

17. Has the applicant pursued perfection of the right in good faith and with reasonable diligence? (Yes) / No

Some Factors that may be considered in determining *"Reasonable Diligence"* [OAR 690-315-040(3)]

a. The amount of construction completed within the time allowed in the permit or previous extension;
b. The amount of beneficial use made of the water during the permit or previous extension time limits;
c. Water right permit holder conformance with the permit or previous extension conditions; and
d. Financial investments made toward developing the beneficial water use.

- Invested approx 61% of total estimated cost
- Have complied with conditions
- Have used 28% of total allowed "Q"
- Have Comp. at least 35% - 50% of distrib sys. & irrigated 40% of the total lands for irrig.

18. Determination of the market and the present demand for water or power to be supplied: _____

Some factors to consider in determining the *Market and the Present Demand for water* or power [OAR 690-315-040(4)]:

a. The amount of water available to satisfy other affected water rights and scenic waterway flows;
b. Special water use designations established since permit issuance (such as...state scenic waterways, federal wild and scenic rivers, serious water management problem areas, water quality limited sources, etc.);
c. The habitat needs of sensitive, threatened or endangered species, in consultation with ODFW;
d. Economic investment in the project to date;
e. Other economic interests dependent on completion of the project; and
f. Other factors relevant to the determination of the market and the present demand for water or power.

- NOT in a SWW
- NOT in a GW Lmtd Area
- Wells are located in "high" needs and "highest" needs ranking areas by ODFW for flow restoration for fish
- Wells are located in an ST & TE area per ODFW.
- NOT a federal wild & scenic river - (Cut Cr trib to Pacific)

19. Based on the written record, can the Department make a finding of "Good Cause" to approve the extension request?

Yes... "Good Cause" can be found. → **Approval of Extension Request**

No ... "Good Cause" ***cannot*** be found. → **Denial of Extension Request**

20. Conditions to be included on Extension PFO: 5-Year Progress Reports

---

Extension "PFO" Dates

Checklist Last Revised: 9 / 12 / 2001

Mailing / Issuance Date: 7-29-03

Protest Deadline Date: 9-12-03

Reviewer's Name: [signature]

Date: 7-21-03

9-30-03

Div. 315

Extension "Final Order" Checklist

Application # G-13577 / Permit # G-13498

Permit Holder's Name Bandon Dunes Limited Partnership
Attn: Howard McKee, 2130 Lincoln Park West, Chicago, IL 60614

✓ 1. Date Extension Request submitted: 10-7-02

✓ 2. Date permit was issued: 10-7-98

✓ 3. Original "B" Date from permit: —
(Date for completion of construction)

✓ 4. Original "C" Date from permit: 10-1-2002
(Date for complete application of water)

✓ 5. Extension PFO Date: 7-29-2003

✓ 6. WRD recommends extending "B" Date to: —

and extending the "C" Date to: 10-1-2022

✓ 7. Protest Deadline Date from PFO: 9-12-2003

✓ 8. Any written Protests or written Comments received within the Protest period? Yes / (No)

✓ 9. Conditions from Extension PFO? Yes - Prog Reports in 2008, 2013 & 2018

S:\groups\wr\extensions\F O\fo language & templates\ext_final order_checklist.wpd

CC: Kelly Starnes
&
Bandon Dunes Lmtd Partnership
Attn: Howard McKee
57744 Round Lake Drive
Bandon, OR 97411

Oregon Water Resources Department
Water Rights Division

Application for Extension of Time

In the Matter of the Application	)	
for an Extension of Time for	)	
Permit #G-13498, Water Right	)	PROPOSED FINAL ORDER
Application #G-13577	)	
(Bandon Dunes Limited Partnership)	)	

Permit Information

Application File #G-13577 / Permit #G-13498
Basin: #17 - South Coast Basin / Watermaster District: #19
Date of Priority: December 17, 1993

Authorized Use of Water

Source of Water:	Six Wells in the Cut Creek Basin
Purpose or Use:	Commercial Use, Domestic Use Serving 500 Households, and Irrigation and Out-of-Season Irrigation of 500.0 Acres
Maximum Rate:	3.55 cubic foot per second (cfs), being 0.46 cfs for Domestic Use for 500 Households and Commercial Use and 3.09 cfs for Irrigation

This Extension of Time request is being processed in accordance with Oregon Administrative Rule Chapter 690, Division 315.

Please read this Proposed Final Order in its entirety as it contains additional conditions not included in the original permit.

This Proposed Final Order applies only to Permit #G-13498, water right Application #G-13577. A copy of Permit #G-13498 is enclosed as Attachment 1.

Summary of Proposed Final Order for Extension of Time

The Department proposes to:

- grant the extension for complete application of water from October 1, 2002, to October 1, 2022; and
- make the extension subject to certain conditions set forth below.

FINDINGS OF FACT

Background

1. Permit #G-13498 was granted by the Water Resources Department on October 7, 1998. The permit authorizes the use of up to 3.55 cfs of water, being 0.46 cfs for Domestic Use for 500 Households and Commercial Use and 3.09 cfs for Irrigation and Out-of-Season Irrigation of 500.0 acres, from six wells in the Cut Creek Basin. The permit specified that complete application of water was to be made on or before October 1, 2002.

2. The permit holder submitted an "Application for Extension of Time" to the Department on October 7, 2002, requesting the time in which to accomplish beneficial use of water to the full extent under the terms of Permit #G-13498 be extended from October 1, 2002, to October 1, 2022. This is the first permit extension requested for Permit #G-13498.

Development Overview

3. The construction of the wells and water system began in 1997. Since then, the permit holder completed construction of six wells, installed meters, installed a boost pump station, installed a 53,000-gallon domestic storage tank, installed water distribution lines for domestic and commercial uses, installed the irrigation system for two golf courses, and installed additional irrigation at the practice center.

4. Since the issuance of Permit #G-13498 on October 7, 1998, the permit holder has appropriated water at an approximate rate of 0.985 cfs from the wells for irrigation of 220.0 acres and commercial use, which includes a 132-room hotel.

5. The permit holder submitted a permit amendment application (T-8861) to the Department on July 16, 2001, proposing to change the location of one the permitted points of appropriation, to add six additional points of appropriation and to change the authorized place of use under Permit #G-13498.

6. On August 27, 2002, the Department issued an order (Special Order Volume 56, Pages 907 through 913) approving a change in place of use, a change in point of appropriation and six additional points of appropriation under Permit #G-13498.

Review Criteria *[OAR 690-315-0040(1)(2)]*

7. As set forth under OAR 690-315-0040(1)(2), the time limits to complete construction or to apply the water to a beneficial use may be extended upon showing of good cause for the untimely completion. This determination shall consider the applicable requirements of ORS 537.230, 537.248[1], 537.630 and 539.010(5).

Other Governmental Requirements *[ORS 537.230(2)]*

8. Delay in the development of this project was not caused by any other governmental requirements.

Start of Construction *[ORS 537.630]*

9. Construction of the wells and water system began within the time specified in the permit, being May 28, 1999. The work thus far consists of complete construction of six wells, installation of meters, installation of a boost pump station, installation of a 53,000-gallon domestic storage tank, installation of water distribution lines for domestic and commercial uses, installation of the irrigation system for two golf courses, and installation of additional irrigation

---

[1] ORS 537.248 applies to reservoir permits only.

at the practice center, as evidenced by documentation of work contained in the file.

Financial Investment *[ORS 539.010(5)]*

10. As of October 7, 2002, the permit holder had invested a total of $3,100,000 into the project, consisting of complete construction of six wells, installation of meters, installation of a boost pump station, installation of a 53,000-gallon domestic storage tank, installation of water distribution lines for domestic and commercial uses, installation of the irrigation system for two golf courses, and installation of additional irrigation at the practice center. An additional $2,000,000 investment is anticipated for the completion of this project.

Reasonable Diligence and Good Faith of the Appropriator *[ORS 537.230(1), 537.630(1) and 539.010(5)]*

11. Reasonable diligence during the permit period constitutes a continuing test of whether and under what conditions to grant an extension [ORS 537.260, OAR 690-315-0040(3)].

12. In accordance with OAR 690-315-0040(3), the Department shall consider, but is not limited to, the following factors when determining whether the applicant has demonstrated reasonable diligence in previous performance under the permit:

    a. The amount of construction completed within the time allowed in the permit or previous extension.

        - Construction of the wells and water system began within the time specified in the permit, being May 28, 1999. The work thus far consists of complete construction of six wells, installation of meters, installation of a boost pump station, installation of a 53,000-gallon domestic storage tank, installation of water distribution lines for domestic and commercial uses, installation of the irrigation system for two golf courses, and installation of additional irrigation at the practice center.

    b. The amount of beneficial use made of the water during the permit or previous extension time limits.

- Since the issuance of Permit #G-13498 on October 7, 1998, an approximate rate of 0.985 cfs of water has been appropriated from the wells for irrigation of 220.0 acres and commercial use, which includes a 132-room hotel.

- Delay of full beneficial use of water under Permit #G-13498 was due, in part, to the project being of a size and scope that the original intent was to phase it in over a period longer than the timeframes allowed in the permit.

c. The water right permit holder's conformance with the permit or previous extension conditions.

- The record does not raise concerns about the permit holder's compliance with conditions.

d. Financial investments made toward developing the beneficial water use.

- As of October 7, 2002, the permit holder had invested approximately 61 percent of the total projected cost for complete development of this project. A total of $3,100,000 has been invested into the project, consisting of complete construction of six wells, installation of meters, installation of a boost pump station, installation of a 53,000-gallon domestic storage tank, installation of water distribution lines for domestic and commercial uses, installation of the irrigation system for two golf courses, and installation of additional irrigation at the practice center. An additional $2,000,000 investment is anticipated for the completion of this project.

The Market and Present Demands for Water *[ORS 539.010(5) and OAR 690-315-0040(4)]*

13. In accordance with OAR 690-315-0040(4), the Department shall consider, but is not limited to, the following factors when determining the market and the present demand for water or power to be supplied:

a. The amount of water available to satisfy other affected water rights and scenic waterway flows.

- The permitted points of appropriation, authorized under Permit #G-13498, are not located within or above any designated state scenic waterway.

- The Department determined on November 13, 1997, that this use of ground water will, if properly conditioned, adequately protect the surface water from interference. Conditions, therefore, were placed upon Permit #G-13498 in order to avoid injury to existing rights or to the ground water resource. Because of this determination, this application does not raise concerns about surface water impact.

- The permitted points of appropriation, authorized under Permit #G-13498, are not located within the boundaries of any designated ground water limited area.

b. Special water use designations established since permit issuance, including but not limited to state scenic waterways, federal wild and scenic rivers, serious water management problem areas or water quality limited sources established under 33 U.S.C. 1313(d).

- The permitted points of appropriation, authorized under Permit #G-13498, are located within areas that have been identified by the Oregon Department of Fish and Wildlife as "high" needs and "highest" needs ranking areas for streamflow restoration for fish. The Department determined on November 13, 1997, however, that this use of groundwater will, if properly conditioned, adequately protect the surface water from interference. Conditions, therefore, were placed upon Permit #G-13498 in order to avoid injury to existing rights or to the ground water resource. Because of this determination, this application does not raise concerns about surface water impacts.

c. The habitat needs of sensitive, threatened or endangered species, in consultation with the Oregon Department of Fish and Wildlife.

- The permitted points of appropriation, authorized under Permit #G-13498, are located within a designated sensitive, threatened or endangered species area for aquatic species utilizing surface water resources, as identified by the Oregon Department of Fish and Wildlife. The Department determined on November 13,

1997, however, that this use of groundwater will, if properly conditioned, adequately protect the surface water from interference. Conditions, therefore, were placed upon Permit #G-13498 in order to avoid injury to existing rights or to the ground water resource. Because of this determination, this application does not raise concerns about surface water impacts.

d. Economic investment in the project to date.

- As of October 7, 2002, the permit holder had invested approximately 61 percent of the total projected cost for complete development of this project. A total of $3,100,000 has been invested into the project, consisting of complete construction of six wells, installation of meters, installation of a boost pump station, installation of a 53,000-gallon domestic storage tank, installation of water distribution lines for domestic and commercial uses, installation of the irrigation system for two golf courses, and installation of additional irrigation at the practice center. An additional $2,000,000 investment is anticipated for the completion of this project.

e. Other economic interests dependent on completion of the project.

- None have been identified.

f. Other factors relevant to the determination of the market and present demand for water and power.

- None have been identified.

Fair Return Upon Investment *[ORS 539.010(5)]*

14. Income from the permitted water development will result in reasonable returns upon the investment made in the project to date.

Duration of Extension *[OAR 690-315-0040(1)(c), ORS 539.010(5)]*

15. As set forth under OAR 690-315-0040(1)(c), time extensions granted shall be for the reasonable time period necessary to complete construction and application of water to beneficial use.

16. As of October 7, 2002, the remaining work to be completed consists of complete application of water to beneficial use.

17. The scope and nature of the project extended the length of time needed to fully develop and perfect the permit, caused mainly by the permit holder's intent to phase the project in over a period longer than the original timeframes allowed in the permit.

18. Given the amount of development left to occur, the Department has determined that the permittee's request to have until October 1, 2022, to complete the application of water to beneficial use under the terms of Permit #G-13498 is both reasonable and necessary.

Conclusions of Law

1. The applicant is entitled to apply for an extension of time to complete construction and/or completely apply water to the full beneficial use pursuant to ORS 537.230 and ORS 537.630.

2. The applicant has submitted a complete extension application form and the fee required by ORS 536.050(1)(k).

3. The applicant has pursued perfection of the right in good faith and prosecuted construction with reasonable diligence.

4. The Department has considered the requirements of other governmental agencies, the financial investment made, the reasonable diligence and good faith of the appropriator, the market and present demands for water and the fair return upon the investment, and has determined that the applicant has shown good cause exists for an extension to apply water to full beneficial use pursuant to ORS 537.630(1).

5. Full application of water to beneficial use can be completed by October 1, 2022.[2]

---

[2] Pursuant to ORS 537.630(3), upon the completion of beneficial use of water allowed under the permit, the permittee shall hire a certified water rights examiner to survey the appropriation. Within one year after the complete application of water to a beneficial use (or by the date allowed for the complete application of water to a beneficial use), the permittee shall submit a map of the survey and the claim of beneficial use.

Proposed Order

Based upon the foregoing findings of fact and conclusions of law, the Department proposes to issue an order to:

> Extend the time for complete application of water to beneficial use under Permit #G-13498 from October 1, 2002, to October 1, 2022.

Subject to the following conditions:

CONDITIONS

In accordance with OAR 690-315-0050(6), the permittee must submit a written progress report to the Department by October 1, of the years 2008, 2013 and 2018. 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.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.

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 may jeopardize continued development under the permit.

The Department will take into consideration annual reports submitted under OAR Chapter 690, Division 86 or ORS 537.099, and any other report that demonstrates diligence.

Other reports, however, are not a substitute for the progress reports and anything submitted must clearly show that diligence towards perfecting the water right permit is being attempted.

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

a) request the permittee to submit additional information with which to evaluate diligence; or

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 any 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.

DATED: July 29, 2003

Dwight French
Water Rights Section Manager

If you have any questions, please check the information box on the last page for the appropriate names and phone numbers.

Proposed Final Order Hearing Rights

1. Under the provisions of OAR 690-315-0060, the applicant or any other person adversely affected or aggrieved by the proposed final order may request a contested case hearing on the proposed final order. Your request for contested case hearing must be in writing and must be received by the Water Resources Department no later than ***Friday, September 12, 2003,*** being 45 days from the date of publication of the proposed final order in the Department's weekly public notice.

2. A written request for contested case hearing shall include:
   a. The name, address and telephone number of the petitioner;
   b. A description of the petitioner's interest in the final order and if the protestant claims to represent the public interest, a precise statement of the public interest represented;
   c. A detailed description of how the action proposed in the final order would adversely affect or aggrieve the petitioner's interest;
   d. A detailed description of how the final order is in error or deficient and how to correct the alleged error or deficiency;
   e. Any citation of legal authority supporting the petitioner, if known;
   f. Proof of service of the petition upon the water right permit holder, if petitioner is other than the water right permit holder; and
   g. The protest fee required under ORS 536.050.

3. Within 60 days after the close of the period for requesting a contested case hearing, the Director shall:
   a. Issue a final order on the extension request; or
   b. Schedule a contested case hearing if a request for contested case hearing has been submitted, and:
      A. Upon review of the issues, the Director finds there are significant disputes related to the proposed agency action; or
      B. The applicant submitted a timely request for a contested case hearing.

If you have other questions about the Department, or any of its programs, please contact our Water Rights Information Group at (503) 387-8455, extension 201. Address all other correspondence to:

Water Rights Section
Oregon Water Resources Department
158 12th Street NE
Salem, OR 97301-4172
Fax #: (503) 378-2496

This document was prepared by Lisa J. Juul. If you have any questions about any of the statements contained in this document, I am most likely the best person to answer your questions. You may contact me by telephone at (503) 378-8455, extension 272.

If you have questions about how to file a protest or if you have previously filed a protest and want to know the status, please contact Renee Moulon. Her extension number is 239.

If you have other questions about the Department or any of its programs, please contact our Water Rights Information Group at extension 201.

Mailing List for Extension PFO Copies

Application #G-13577 PFO Date: July 29, 2003
Permit #G-13498

Original mailed to:

Applicant: **Bandon Dunes Limited Partnership**
Attn: Howard McKee
2130 Lincoln Park West
Chicago, IL 60614

Copies Mailed

By: _____
(SUPPORT STAFF)

on: _____
(DATE)

For Extension PFO's - Copies sent to:

1. WRD - Appl. File #G-13577 / Permit #G-13498

2. WRD - Watermaster District: #19 - Mitch Lewis, Coquille

3. WRD - Transfer Technician: Kelly Starnes, Salem

Other interested parties:

4. **Bandon Dunes Limited Partnership**
Attn: Howard McKee
57744 Round Lake Drive
Bandon, OR 97411

CASEWORKER: **LJJ**
S:\groups\wr\extensions\P F O\Work_315 rules\g13577.wpd

Mailing List for Extension PFO Copies

Application #G-13577 PFO Date: July 29, 2003
Permit #G-13498

Original mailed to:

Applicant: **Bandon Dunes Limited Partnership**
Attn: Howard McKee
2130 Lincoln Park West
Chicago, IL 60614

Copies Mailed
By: _____ (SUPPORT STAFF)
on: 8/2/03 (DATE)

For Extension PFO's - Copies sent to:

1. WRD - Appl. File #G-13577 / Permit #G-13498

2. WRD - Watermaster District: #19 - Mitch Lewis, Coquille

3. WRD - Transfer Technician: Kelly Starnes, Salem

Other interested parties:

4. **Bandon Dunes Limited Partnership**
Attn: Howard McKee
57744 Round Lake Drive
Bandon, OR 97411

CASEWORKER: **LJJ**
S:\groups\wr\extensions\P F O\Work_315 rules\g13577.wpd

STATE OF OREGON

COUNTY OF Coos

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

BANDON DUNES LIMITED PARTNERSHIP
C/O HOWARD MCKEE
2130 LINCOLN PARK W. PHONE: (312) 281-0652
CHICAGO, IL 60614

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-13577

SOURCE OF WATER: SIX WELLS IN THE CUT CREEK BASIN

PURPOSE OR USE: COMMERCIAL USE, DOMESTIC USE SERVING 500.0 HOUSEHOLDS, AND IRRIGATION AND OUT-OF-SEASON IRRIGATION OF A TOTAL OF 500.0 ACRES

MAXIMUM RATE: 3.55 CUBIC FEET PER SECOND (CFS), BEING 0.46 CFS FOR DOMESTIC USE FOR 500 HOUSEHOLDS AND COMMERCIAL USE AND 3.09 CFS FOR IRRIGATION

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31 FOR IRRIGATION USE; NOVEMBER 1 THROUGH THE MONTH OF FEBRUARY FOR OUT-OF-SEASON IRRIGATION; YEAR ROUND FOR COMMERCIAL USE AND DOMESTIC USE FOR 500 HOUSEHOLDS

DATE OF PRIORITY: DECEMBER 17, 1993

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, NW 1/4 NW 1/4, SW 1/4 NW 1/4, SECTION 32, T27S, R14W, W.M., NW 1/4 NW 1/4, SW 1/4 NW 1/4, SECTION 5, T28S, R14W, W.M.; **SCHUMANN WELL** - 417 FEET SOUTH AND 283 FEET WEST FROM N1/4 CORNER SECTION 32; **PW5** - 27 FEET NORTH AND 382 FEET WEST FROM NW1/16 CORNER, SECTION 32; **PW4** - 377 FEET NORTH AND 173 FEET EAST FROM W1/4 CORNER, SECTION 32; **WELL 1** - 641 FEET SOUTH AND 69 FEET WEST, **WELL 2** - 632 FEET SOUTH AND 254 FEET WEST BOTH FROM W1/16 CORNER, BETWEEN SECTION 5 AND 32; **WELL 3** - 61 FEET SOUTH AND 303 FEET WEST FROM NW1/16 CORNER, SECTION 5

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out-of-season irrigation. The total amount diverted shall not exceed 2.5 acre-feet for each acre irrigated each year.

Permit Amend.
T-8861 ΔPOU/APOA

THE PLACE OF USE IS LOCATED AS FOLLOWS:

		IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NE 1/4 SW 1/4		39.1 ACRES		
NW 1/4 SW 1/4		40.0 ACRES		
SW 1/4 SW 1/4		40.0 ACRES		
SE 1/4 SW 1/4		38.4 ACRES		X
NW 1/4 SE 1/4		40.0 ACRES		
SW 1/4 SE 1/4		40.0 ACRES		
		SECTION 29		
NE 1/4 SE 1/4		12.0 ACRES		
SE 1/4 SE 1/4		18.0 ACRES		
		SECTION 30		
NE 1/4 NE 1/4		27.1 ACRES		
SE 1/4 NE 1/4		33.6 ACRES		
NE 1/4 SE 1/4		45.8 ACRES		
SE 1/4 SE 1/4		12.5 ACRES		
		SECTION 31		
NW 1/4 NE 1/4		40.0 ACRES		
NE 1/4 NW 1/4		34.8 ACRES		X
NW 1/4 NW 1/4		40.0 ACRES		
SW 1/4 NW 1/4		40.0 ACRES		
SE 1/4 NW 1/4		21.5 ACRES		X
NE 1/4 SW 1/4		22.3 ACRES		X
NW 1/4 SW 1/4		36.8 ACRES		X
SW 1/4 SW 1/4		5.0 ACRES		X
SE 1/4 SW 1/4		33.6 ACRES		X
NW 1/4 SE 1/4		0.5 ACRE		X
SW 1/4 SE 1/4		36.1 ACRES		
SE 1/4 SE 1/4		40.0 ACRES		
		SECTION 32		
	TOWNSHIP 27	SOUTH, RANGE 14	WEST, W.M.	
NE 1/4 NE 1/4		29.4 ACRES		
NW 1/4 NE 1/4		28.11 ACRES	0.29 ACRE	
SW 1/4 NE 1/4		39.85 ACRES	0.15 ACRE	
SE 1/4 NE 1/4		35.42 ACRES	0.38 ACRE	
NE 1/4 NW 1/4		19.3 ACRES		
NW 1/4 NW 1/4		6.5 ACRES		
SW 1/4 NW 1/4		10.8 ACRES		
SE 1/4 NW 1/4		32.1 ACRES		
NE 1/4 SW 1/4		21.8 ACRES		
NW 1/4 SW 1/4		9.0 ACRES		
SW 1/4 SW 1/4		10.0 ACRES		
SE 1/4 SW 1/4		17.0 ACRES		
NE 1/4 SE 1/4		9.3 ACRES		
NW 1/4 SE 1/4		18.0 ACRES		
		SECTION 5		
NW 1/4 NE 1/4				X
NE 1/4 NW 1/4				X
		SECTION 8		
	TOWNSHIP 28	SOUTH, RANGE 14	WEST, W.M.	

*Use of water for irrigation under this permit is limited to a development of a maximum of 500.0 acres of the potential 1024.5 acres identified in the description of the Place of Use above.

Measurement, recording and reporting conditions:

A. OK 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, OK 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.

Production well locations shall be limited to the areas identified as "Alternative Well Placement Areas" in EGR and Associates document of May 27, 1997.
OK - See Doug Woodcock's review of Extension on 1-22-03.
With the exception of the existing Schuman well (Coos 330), all wells used for water supply under this permit shall be constructed in a manner to case and seal off all water to a minimum depth of 80 feet below land surface.

Any future well drilling shall be coordinated with the Department for well location, well construction and the driller's collection of geologic samples.

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.
OK - See Oct. 15, 2001 Approval letter from Doug Woodcock
The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within 60 days of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include: 1) a 5 year program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells; 2) measure specific conductance of

groundwater; 3) collect and report water use data; 4) outline a mitigation plan to address future groundwater interference with surface water and salt water encroachment. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 10 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 10-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

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.

OK - A Date

Actual construction of the well shall begin by May 28, 1999. Complete application of water to the use shall be made on or before October 1, 2002. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued October 7, 1998

Dwight Franck for

Martha O. Pagel, Director
Water Resources Department

Appl #G-13577 / Permit #G-13498
Barton Dunes Lmtd Partnership

L. Jurel
7-21-03

Max Water Use occurred in September 2000 (see Water Use Reports).

Total water used in Sept. 2000 from all wells = 19,087,700 gallons.

19,087,700 gallons ÷ 30 days = 636,257 gpd
636,257 gpd ÷ 24 hrs = 26,511 gph
26,511 gph ÷ 60 min = 441.85 gpm
441.85 gpm ÷ 448.83 = 0.985 cfs – Sept 2000

Water Use Reporting Database

printed 7-16-03 by L. Juul

WARREN FELTON, UTILITIES MANAGER
BANDON DUNES LTD
57744 ROUND LAKE DR
BANDON,OR 97411

jump to:
- home
- commission
- water law
- water rights
- surface water
- ground water
- maps
- programs
- publications
- links
- staff
- file pickup
- intranet

- about
- search
- oregon online
- comments

Pod Id	Permit	Cert	Priority	Twnshp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
47809	G 13498	0	12/17/1993	27S	14W	32	CM	0.46 C	A	SCHUMANN WELL	CUT CR
47809	G 13498	0	12/17/1993	27S	14W	32	DO	0.46 C	P	SCHUMANN WELL	CUT CR
47809	G 13498	0	12/17/1993	27S	14W	32	IR	3.09 C	P	SCHUMANN WELL	CUT CR
47809	G 13498	0	12/17/1993	27S	14W	32	OI	3.09 C	A	SCHUMANN WELL	CUT CR

Water Year	Use	Units	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2000	DO	G	9000	7250	8300	7750	7250	7750	7500	6200	7250	6000	7750	7500
2000	IR	G	0	0	0	0	0	0	0	8960	8960	97650	97650	94500

Pod Id	Permit	Cert	Priority	Twnshp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
47810	G 13498	0	12/17/1993	27S	14W	32	CM	0.46 C	A	PW5	CUT CR
47810	G 13498	0	12/17/1993	27S	14W	32	DO	0.46 C	A	PW5	CUT CR
47810	G 13498	0	12/17/1993	27S	14W	32	IR	3.09 C	A	PW5	CUT CR
47810	G 13498	0	12/17/1993	27S	14W	32	OI	3.09 C	A	PW5	CUT CR

No Records found for that search criteria

Pod Id	Permit	Cert	Priority	Twnshp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
47811	G 13498	0	12/17/1993	27S	14W	32	CM	0.46 C	A	PW4	CUT CR
47811	G 13498	0	12/17/1993	27S	14W	32	DO	0.46 C	A	PW4	CUT CR
47811	G 13498	0	12/17/1993	27S	14W	32	IR	3.09 C	A	PW4	CUT CR
47811	G 13498	0	12/17/1993	27S	14W	32	OI	3.09 C	A	PW4	CUT CR

Water Year	Use	Units	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2000	DO	G	186600	170140	112300	188500	254400	209300	342800	320400	276000	225170	202966	312600

Pod Id	Permit	Cert	Priority	Twnshp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
47812	G 13498	0	12/17/1993	28S	14W	5	CM	0.46 C	A	WELL 1	CUT CR
47812	G 13498	0	12/17/1993	28S	14W	5	DO	0.46 C	A	WELL 1	CUT CR
47812	G 13498	0	12/17/1993	28S	14W	5	IR	3.09 C	A	WELL 1	CUT CR
47812	G 13498	0	12/17/1993	28S	14W	5	OI	3.09 C	A	WELL 1	CUT CR

Water Year	Use	Units	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2000	DO	G	0	0	0	0	0	0	463180	2592000	1555200	3007870	2423460	3600000

Pod Id	Permit	Cert	Priority	Twnshp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
47813	G 13498	0	12/17/1993	28S	14W	5	CM	0.46 C	A	WELL 2	CUT CR
47813	G 13498	0	12/17/1993	28S	14W	5	DO	0.46 C	A	WELL 2	CUT CR
47813	G 13498	0	12/17/1993	28S	14W	5	IR	3.09 C	A	WELL 2	CUT CR
47813	G 13498	0	12/17/1993	28S	14W	5	OI	3.09 C	A	WELL 2	CUT CR

Water Year	Use	Units	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2000	DO	G	0	0	0	0	0	0	2529900	3189000	4776000	5895800	4597400	6827800

Pod Id	Permit	Cert	Priority	Twnshp	Range	Sctn	Use	Rate	P/A/S	Source	Tributary To
47814	G 13498	0	12/17/1993	28S	14W	5	CM	0.46 C	A	WELL 3	CUT CR
47814	G 13498	0	12/17/1993	28S	14W	5	DO	0.46 C	A	WELL 3	CUT CR
47814	G 13498	0	12/17/1993	28S	14W	5	IR	3.09 C	A	WELL 3	CUT CR
47814	G 13498	0	12/17/1993	28S	14W	5	OI	3.09 C	A	WELL 3	CUT CR

Water Year	Use	Units	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2000	DO	G	0	0	0	0	0	0	2200	2820600	9164800	7083600	6420100	8245300

Paul R. Cleary, Director
Oregon Water Resources Department • 158 12th ST. NE • Salem, OR 97310 • Phone: (503)378-8455 • Fax: (503)378-2496

COPY from Transfer File # T-8861

G-13577

STATE OF OREGON

COUNTY OF COOS

ORDER APPROVING A CHANGE IN PLACE OF USE,
A CHANGE IN POINT OF APPROPRIATION,
AND ADDITIONAL POINTS OF APPROPRIATION

Pursuant to ORS 537.211, after notice was given, and finding that the proposed points of appropriation, as constructed, would not have the potential for interference with stream flow in Cut Creek, and also finding that no injury to existing water rights would result, this order approves, as conditioned or limited herein, PERMIT AMENDMENT T-8861 submitted by

BANDON DUNES LIMITED PARTNERSHIP C/O HOWARD McKEE
2130 LINCOLN PARK WEST
CHICAGO, ILLINOIS 60614.

The permit to be modified is Permit G-13498 with a date of priority of DECEMBER 17, 1993. The permit allows the use of FIVE WELLS, in the CUT CREEK BASIN, for COMMERCIAL USE, DOMESTIC USE SERVING 500 HOUSEHOLDS, AND IRRIGATION AND OUT-OF-SEASON IRRIGATION OF 500.0 ACRES. The amount of water to which this permit is entitled is limited to an amount actually beneficially used and shall not exceed 3.55 CUBIC FEET PER SECOND(CFS), BEING 0.46 CFS FOR DOMESTIC USE FOR 500 HOUSEHOLDS AND COMMERCIAL USE, AND 3.09 CFS FOR IRRIGATION, if available at the original wells; NE¼ NW¼, NW¼ NW¼, SW¼ NW¼, SECTION 32, T 27 S, R 14 W, W.M., NW¼ NW¼, AND SW¼ NW¼, SECTION 5, T 28 S, R 14 W, W.M.; SCHUMAN WELL - 417 FEET SOUTH AND 283 FEET WEST FROM THE N¼ CORNER OF SECTION 32; PW5 - 27 FEET NORTH AND 382 FEET WEST FROM THE NW 1/16 CORNER OF SECTION 32; PW4 - 377 FEET NORTH AND 173 FEET WEST

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2).

Pursuant to ORS 536.075 and OAR 137-004-080 and OAR 690-01-005 you may either petition for judicial review or petition the Director for reconsideration of this order.

FROM THE W¼ CORNER OF SECTION 32; WELL 1 - 641 FEET SOUTH AND 69 FEET WEST; WELL 2 - 632 FEET SOUTH AND 254 FEET WEST; BOTH FROM THE W 1/16 CORNER BETWEEN SECTIONS 5 AND 32; WELL 3 - 61 FEET SOUTH AND 303 FEET WEST FROM THE NW 1/16 CORNER OF SECTION 5, or its equivalent in case of rotation, measured at the well.

The amount of water used for irrigation, together with the amount secured under any other right existing on the same lands, is limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 2½ acre-feet per acre for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out of season irrigation. The total amount diverted shall not exceed 2½ acre-feet for each acre irrigated each year.

The use shall conform to any reasonable rotation system ordered by the proper state officer.

The authorized place of use is as follows:

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NE¼ SW¼	39.1 ACRES		
NW¼ SW¼	40.0 ACRES		
SW¼ SW¼	40.0 ACRES		
SE¼ SW¼	38.4 ACRES		X
NW¼ SE¼	40.0 ACRES		
SW¼ SE¼	40.0 ACRES		
	SECTION 29		
NE¼ SE¼	12.0 ACRES		
SE¼ SE¼	18.0 ACRES		
	SECTION 30		
NE¼ NE¼	27.1 ACRES		
SE¼ NE¼	33.6 ACRES		
NE¼ SE¼	45.8 ACRES		
SE¼ SE¼	12.5 ACRES		
	SECTION 31		

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NW¼ NE¼	40.0 ACRES		
NE¼ NW¼	34.8 ACRES		X
NW¼ NW¼	40.0 ACRES		
SW¼ NW¼	40.0 ACRES		
SE¼ NW¼	21.5 ACRES		X
NE¼ SW¼	22.3 ACRES		X
NW¼ SW¼	36.8 ACRES		X
SW¼ SW¼	5.0 ACRES		X
SE¼ SW¼	33.6 ACRES		X
NW¼ SE¼	0.5 ACRE		X
SW¼ SE¼	36.1 ACRES		
SE¼ SE¼	40.0 ACRES		

SECTION 32

TOWNSHIP 27 SOUTH, RANGE 14 WEST, W.M.

NE¼ NE¼	29.4 ACRES		
NW¼ NE¼	28.11 ACRES	0.29 ACRE	
SW¼ NE¼	39.85 ACRES	0.15 ACRE	
SE¼ NE¼	35.42 ACRES	0.38 ACRE	
NE¼ NW¼	19.3 ACRES		
NW¼ NW¼	6.5 ACRES		
SW¼ NW¼	10.8 ACRES		
SE¼ NW¼	32.1 ACRES		
NE¼ SW¼	21.8 ACRES		
NW¼ SW¼	9.0 ACRE		
SW¼ SW¼	10.0 ACRES		
SE¼ SW¼	17.0 ACRES		
NE¼ SE¼	9.3 ACRES		
NW¼ SE¼	18.0 ACRES		

SECTION 5

NW¼ NE¼			X
NE¼ NW¼			X

SECTION 8

TOWNSHIP 28 SOUTH, RANGE 14 WEST, W.M.

"*" Use of water for irrigation under this permit is limited to a development of a maximum of 500.0 acres of the potential 1024.5 acres identified in the description of the place of use above.

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

The applicant proposes to change the place of use to:

	IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
• NE¼ SW¼	8.4 ACRES		
• SW¼ SW¼	15.0 ACRES		
• SE¼ SW¼	38.2 ACRES		
	SECTION 20		
• NE¼ NW¼	40.0 ACRES		
• NW¼ NW¼	38.8 ACRES		
• SW¼ NW¼	40.0 ACRES		
• SE¼ NW¼	40.0 ACRES		
• NE¼ SW¼	28.6 ACRES		
NW¼ SW¼	40.0 ACRES		
SW¼ SW¼	40.0 ACRES		
• SE¼ SW¼	33.8 ACRES		X
• SW¼ SE¼	27.8 ACRES		
	SECTION 29		
• NE¼ NE¼	2.5 ACRES		
• SE¼ NE¼	7.9 ACRES		
NE¼ SE¼	12.0 ACRES		
SE¼ SE¼	18.0 ACRES		
	SECTION 30		
NE¼ NE¼	27.1 ACRES		
SE¼ NE¼	33.6 ACRES		
NE¼ SE¼	45.8 ACRES		
SE¼ SE¼	12.5 ACRES		
	SECTION 31		

		IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
	NW¼ NE¼	40.0 ACRES		
	NE¼ NW¼	34.8 ACRES		X
	NW¼ NW¼	40.0 ACRES		
	SW¼ NW¼	40.0 ACRES		
	SE¼ NW¼	21.5 ACRES		X
	NE¼ SW¼	22.3 ACRES		X
	NW¼ SW¼	36.8 ACRES		X
•	SW¼ SW¼			X
•	SE¼ SW¼	12.5 ACRES		X
	NW¼ SE¼	0.5 ACRE		X
	SW¼ SE¼	36.1 ACRES		

SECTION 32

TOWNSHIP 27 SOUTH, RANGE 14 WEST, W.M.

	NE¼ NE¼	29.4 ACRES		
	NW¼ NE¼	28.11 ACRES	0.29 ACRE	
	SW¼ NE¼	39.85 ACRES	0.15 ACRE	
	SE¼ NE¼	35.42 ACRES	0.38 ACRE	
•	NE¼ NW¼	9.3 ACRES		
•	SE¼ NW¼	13.6 ACRES		
•	NE¼ SW¼	6.2 ACRES		
	NE¼ SE¼	9.3 ACRES		
	NW¼ SE¼	18.0 ACRES		

SECTION 5

NW¼ NE¼		X
NE¼ NW¼		X

SECTION 8

TOWNSHIP 28 SOUTH, RANGE 14 WEST, W.M.

"*" Use of water for irrigation under this permit is limited to a development of a maximum of 500.0 acres of the potential 1024.5 acres identified in the description of the place of use above.

"•" Place of use involved in the change.

The applicant proposes to change the point of appropriation of the Schuman Well to:

NEW SCHUMAN WELL - NW¼ SE¼, SECTION 29, T 27 S, R 14 W, W.M.; 1549 FEET NORTH AND 2756 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

The applicant proposes additional points of appropriation located:

WELL L34030 - NE¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 1674 FEET NORTH AND 1451 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL L34018 - NW¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 2515 FEET NORTH AND 1169 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL L34008 - NW¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 1354 FEET NORTH AND 646 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL L34007 - SW¼ SW¼, SECTION 29, T 27 S, R 14 W, W.M.; 325 FEET NORTH AND 638 FEET EAST FROM THE NW CORNER OF SECTION 32, T 27 S, R 14 W, W.M..

WELL PW6 - NW¼ NW¼, SECTION 32, T 27 S, R 14 W, W.M.; 733 FEET SOUTH AND 1130 FEET EAST FROM THE NW CORNER OF SECTION 32.

WELL L44790 - NW¼ NW¼, SECTION 5, T 28 S, R 14 W, W.M.; 432 FEET SOUTH AND 254 FEET WEST FROM THE W 1/16 CORNER BETWEEN SECTIONS 5 AND 32.

Water Right Permit G-13498 contains a well construction condition that limits all ground water withdrawals, with the exception of the Schuman Well, to ground water deeper than 80 feet below land surface. The intent of this permit condition was to prevent the withdrawal of shallow ground water that could interfere with stream flow in Cut Creek.

Two of the proposed additional wells, L34018 and L34030, are sealed to depths of 18 and 40 feet below land surface, respectively. The Ground Water Section has found that these wells, because of their distance from Cut Creek, would not have

any potential for interference with the creek.

THESE CHANGES TO AN EXISTING WATER PERMIT MAY BE MADE PROVIDED THE FOLLOWING CONDITIONS ARE MET BY THE WATER USER:

1. The quantity of water diverted at the new points of appropriation (wells), together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

2. The water user shall install and maintain headgates, in-line flow meters, weirs, or other suitable devices for measuring and recording the quantity of water diverted. The type and plans of the headgates and measuring devices must be approved by the Department prior to beginning construction and shall be installed under the general supervision of the Department.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

4. The former place of use shall no longer be irrigated as a part of this water right.

5. All other terms and conditions of the permit remain the same.

Permit G-13498, in the name of BANDON DUNES LIMITED PARTNERSHIP is amended as described herein.

WITNESS the signature of the Water Resources Director, affixed AUG 27 2002.

Paul R. Cleary, Director

COPY from Transfer File # T-8861

WRT-1 Mar 2 1999

T-8861

State of Oregon
Water Resources Department
158 12th Street NE, Salem, OR 97310
(503)378-8455 • (800)624-3199
www.wrd.state.or.us

Application for Water Right

Transfer

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. If any requested information does not apply to your application, insert "n/a." Please read and refer to the instructions when completing your application. Thank you.

RECEIVED

JUL 1 0 2001

WATER RESOURCES DEPT
SALEM, OREGON

APPLICATION FOR:

Please check one

☐ Water Right Transfer ☐ Temporary Transfer ☒ Permit Amendment
☐ Historic Point of Diversion Change ☐ Government Action Point of Diversion

COPY

1. APPLICANT INFORMATION

Name: Bandon Dunes Limited Partnership
(First / Last)

Address: c/o Howard McKee 2130 Lincoln Park West

Chicago (City) IL (State) 60614 (Zip)

Phone: (773)-281-0652
(Home / Work / Other)

*Fax: (773)-281-1051 *E-Mail address: hlmckee@aol.com

**Optional information*

2. TYPE OF CHANGE

☐ Use ☒ Place of Use ☐ Point of Diversion ☒ Point of Appropriation

Reason for change: Potential golf course construction to the North
(total acreage under irrigation to remain the same)

Is the land within an irrigation or other water district? ☐ Yes ☒ No

If yes, include district name: _____

For Department Use

App. No._____ Permit No._____ Date_____

T-8861

3. CURRENT WATER RIGHT INFORMATION

Name on Permit, Certificate, or Decree: Bandon Dunes Limited Partnership

Decree: _____
[☒ Not applicable]

Permit Number: G-13498 — Certificate Number: _____
[☐ Not applicable] [☐ Not applicable]

Priority Date: December 17, 1993 — Authorized Use: Irrigation 500 acres year-round Commercial use, Domestic use (500 home

Source of Water: Groundwater — County: Coos County —

Are there other sources listed on the water right? ☐ Yes ☒ No

Location of Authorized Point of Diversion or Point of Appropriation:

Coordinates (from recognized survey corner)	1/4 1/4 Section	Section	Township	Range
The currently permitted wells and their locations are supplied as Attachment A				

Location of Authorized Place of Use:

Township	Range	Section	Government Lot or DIC	1/4 1/4 Section	Tax Lot Number	Acres (if appropriate)
Currently permitted authorized place of use is supplied in Attachment B						

Are there other lands described in the water right? ☐ Yes ☒ No

Are there other water rights or permits associated with this land? ☐ Yes ☒ No
If yes, include a copy of all rights or permits.

Description of general delivery system *(ditch measurements, pump size, number of sprinklers, etc.)*:
Ten wells in the Cut Creek basin and Pacific Ocean discharge zone; wells pump to two holding ponds for night time water application. In-ground irrigation system to irrigate 500 acres of golf courses and driving ranges located within proposed place of use; utilizes a constant pressure system and zoned watering. Water for commercial use is installed with 12" mains and 4" to 6" laterals.

System capacity (in cfs): 3.55 cfs

T-8861

4. PROPOSED CHANGES TO THE WATER RIGHT

☐ **Change in Use:**

Proposed use: N/A

☒ **Change in Point of Diversion or Point of Appropriation:**

☒ Change

Old point of diversion or point of appropriation will not be used for this portion of the water right.

☒ Additional

Both old and new points of diversion or points of appropriation will be used for this portion of the water right.

Location of Proposed Point of Diversion or Point of Appropriation

Coordinates (from recognized survey corner)	1/4 1/4 Section	Section	Township	Range
The locations of the 4 proposed new points of appropriation are supplied in				
Attachment C				

☒ **Change in Place of Use:**

Location of Proposed Place of Use

Township	Range	Section	Government Lot or DIC	1/4 1/4 Section	Tax Lot Number	Acres (if appropriate)
The proposed changes in the place of use are supplied in Attachment D						

Remarks: The transfer does not request an increased in quantity of water (rate or duty) acreage irrigated, nor an increase in place of use acreage.

T-8861

5. LAND OWNERSHIP

Use/Place of Use

Answer only if for change in **Use** or **Place of Use.**

Are the lands free of encumbrances? ☒ Yes ☐ No

If no, name of encumbrance holder: _____

If no, application must include written permission for the transfer from the encumbrance holder.

Landowners

Answer only if applicant is **not** the landowner.

This section does not apply to water delivery entities authorized to act on behalf of their members, making permit amendment requests, or requests for changes in point of diversion or point of appropriation only.

Landowners: _____
(List all landowners shown on deed.)

Address(es): _____

_____
City State Zip

Application must include notarized statements from all landowners shown on deed giving permission for the transfer. Use an extra sheet if necessary.

Receiving Landowner

Answer only if the receiving landowner is **not** the original landowner or the applicant.

Name: _____

Address: _____

_____
City State Zip

☐ The Department's records should be changed to show this landowner is responsible for completion of the changes. All notices and correspondence should be sent to this landowner.

☐ Applicant will remain responsible for completion of changes. Notices and correspondence should continue to be sent to applicant.

T-8861

6. EXHIBITS

Application may be rejected if all appropriate exhibits are not enclosed.

Land Use Information Form:

☒ Enclosed

Not needed: (must meet the following four requirements)

1. In EFU zone or irrigation district.
2. Change in place of use only.
3. No structural changes needed, including diversion works, delivery facilities, other structures.
4. Irrigation only.

☒ List all affected governments (city, county, state, tribal, federal):

Coos County

Map:

Water Right Transfer: *Must be prepared by a Certified Water Right Examiner.*

☒ All others: *Need not be prepared by a Certified Water Right Examiner.*

Deed:

☐ Must accompany all applications, except permit amendment requests.

Evidence of use within last five years, or not subject to forfeiture:

☐ Best evidence is an affidavit from a knowledgeable person describing the water use. Statements saying water was delivered or assessments/fees were paid are insufficient. Evidence must show actual use of the water for the authorized purpose, in the authorized place of use.

Water Well Reports:

☒ If application is for a change in point of appropriation or change from surface water to ground water, attach copies of all water well reports. If reports are not available, describe construction details including well depth, static water level, and information necessary to establish the ground water body developed or proposed to be developed.

Fees:

☒ Amount enclosed $ 200

See instruction book for fee schedule.

7. SIGNATURE

I (we) swear that I (we) have read the above application and the statements made are true and accurate.

Howard C. McKee	Howard C. McKee	7/12/01
applicant signature	name (print)	date

applicant signature	name (print)	date

Before you submit your application be sure you have:

- Answered each question completely.
- Attached a legible map which includes township, range, section, quarter/quarter and tax lot number.
- Included the necessary exhibits.
- Included a check payable to the Oregon Water Resources Department for the appropriate amount.

T-8861

Attachment A: Currently Permitted Well Locations

T-8861

The currently permitted well names and locations, as they appear in Permit #G-13498, are as follows:

POINT OF DIVERSION LOCATION: NE ¼ NW ¼, NW ¼ NW ¼, SW ¼ NW ¼, SECTION 32, T27S, R14W, W.M., NW ¼ NW ¼, SW ¼ NW ¼, SECTION 5 T28S, R14W, W.M.

Well Name	Well Location	Referenced from
SCHUMANN WELL (COOS 330)	417 SOUTH AND 283 FEET WEST	N1/4 CORNER SECTION 32
PW5 (COOS 51431)	27 FEET NORTH AND 382 FEET WEST	NW1/16 CORNER, SECTION 32
PW4 (COOS 50508; L10847)	377 FEET NORTH AND 173 FEET EAST	W1/4 CORNER, SECTION 32
WELL 1 (COOS 1252)	641 FEET SOUTH AND 69 FEET WEST	W1/16 CORNER BETWEEN SECTION 5 AND 32
WELL 2 (COOS 1253; COOS 51152, L25195)	632 FEET SOUTH AND 254 FEET WEST	W1/16 CORNER BETWEEN SECTION 5 AND 32
WELL 3 (COOS 1254)	61 FEET SOUTH AND 303 FEET WEST	NW1/16 CORNER, SECTION 5

All well locations are depicted on the following figure.

Please note that two changes are being requested of the information associated with the Schumann Well. The requested changes are:

1) The name of the Schumann Well be changed in the permit to reflect the correct spelling as recorded in the well log. The name, as spelled in the well log (COOS 330) should be "Shuman".
2) The location of the well, as determined by a recent survey has changed. The specific location is described in *Attachment C: Location of Proposed Points of Appropriation*.

T-8861

Attachment B: Location of Authorized Place of Use

Currently Permitted Place of Use

T-8861

LOCATION OF AUTHORIZED PLACE OF USE							
TOWNSHIP	RANGE	SECTION	1/4	1/4	IRRIGATED ACRES	SUPPLEMENTAL IRRIGATION	COMMERCIAL
27S	R14W W.M.	29	NE	SW	39.1		
27S	R14W W.M.	29	NW	SW	40.0		
27S	R14W W.M.	29	SW	SW	40.0		
27S	R14W W.M.	29	SE	SW	38.4		X
27S	R14W W.M.	29	NW	SE	40.0		
27S	R14W W.M.	29	SW	SE	40.0		
27S	R14W W.M.	30	NE	SE	12.0		
27S	R14W W.M.	30	SE	SE	18.0		
27S	R14W W.M.	31	NE	NE	27.1		
27S	R14W W.M.	31	SE	NE	33.6		
27S	R14W W.M.	31	NE	SE	45.8		
27S	R14W W.M.	31	SE	SE	12.5		
27S	R14W W.M.	32	NW	NE	40.0		
27S	R14W W.M.	32	NE	NW	34.8		X
27S	R14W W.M.	32	NW	NW	40.0		
27S	R14W W.M.	32	SW	NW	40.0		
27S	R14W W.M.	32	SE	NW	21.5		X
27S	R14W W.M.	32	NE	SW	22.3		X
27S	R14W W.M.	32	NW	SW	36.8		X
27S	R14W W.M.	32	SW	SW	5.0		X
27S	R14W W.M.	32	SE	SW	33.6		X
27S	R14W W.M.	32	NW	SE	0.5		X
27S	R14W W.M.	32	SW	SE	36.1		
27S	R14W W.M.	32	SE	SE	40.0		
28S	R14W W.M.	5	NE	NE	29.4		
28S	R14W W.M.	5	NW	NE	28.11	0.29	
28S	R14W W.M.	5	SW	NE	39.85	0.15	
28S	R14W W.M.	5	SE	NE	35.42	0.38	
28S	R14W W.M.	5	NE	NW	19.3		
28S	R14W W.M.	5	NW	NW	6.5		
28S	R14W W.M.	5	SW	NW	10.8		
28S	R14W W.M.	5	SE	NW	32.1		
28S	R14W W.M.	5	NE	SW	21.8		
28S	R14W W.M.	5	NW	SW	9.0		
28S	R14W W.M.	5	SW	SW	10.0		
28S	R14W W.M.	5	SE	SW	17.0		
28S	R14W W.M.	5	NE	SE	9.3		
28S	R14W W.M.	5	NW	SE	18.0		
28S	R14W W.M.	8	NW	NE			X
28S	R14W W.M.	8	NE	NW			X
TOTAL ORIGINAL IRRIGATION ACREAGE*:					1024.5	acres	
*USE OF WATER FOR IRRIGATION LIMITED TO A 500.0 ACRE DEVELOPMENT OF THE							
POTENTIAL	1024.5	ACRES IDENTIFIED IN PLACE OF USE.					

COPY

T-8861

Attachment C: Location of Proposed Points of Appropriation

A total of twelve (12) points of appropriation are currently being requested. In addition to the six wells currently permitted, it is requested that six additional wells be added to the system from which the currently permitted rate and duty of water may be acquired. Please note that, although more wells are requested for addition to the system of permitted points of appropriation, it is desired to keep the current amount of water (rate and duty) exactly as it is in Permit #G-13498. The goal of adding 6 more wells to the permit is merely to allow flexibility in the arrangement of where the water is to be drawn.

Please note also that the location of the "Schumann Well" (to be renamed the "Shuman Well" in the amended permit) is not correct in the current permit, and it is requested that the location permitted for this well be moved to where the recent survey indicates it resides.

The locations of twelve requested points of appropriation are summarized in the following table.

Amended

Well Name	Well Location	Referenced from
SHUMAN WELL (COOS 330)	1549 FEET NORTH AND 2756 FEET EAST	NW CORNER OF SECTION 32 (COMMON TO SECTIONS 29, 30, 31, & 32)
PW5 (COOS 50514; COOS 50935, L10848)	27 FEET NORTH AND 382 FEET WEST	NW1/16 CORNER, SECTION 32
PW4 (COOS 50508; L10847)	377 FEET NORTH AND 173 FEET EAST	W1/4 CORNER, SECTION 32
WELL 1 (COOS 1252)	641 FEET SOUTH AND 69 FEET WEST	W1/16 CORNER BETWEEN SECTION 5 AND 32
WELL 2 (COOS 1253; COOS 51152, L25195)	632 FEET SOUTH AND 254 FEET WEST	W1/16 CORNER BETWEEN SECTION 5 AND 32
WELL 3 (COOS 1254)	61 FEET SOUTH AND 303 FEET WEST	NW1/16 CORNER, SECTION 5
L34007 (COOS 51622)	325 FEET NORTH AND 638 FEET EAST	NW CORNER OF SECTION 32 (COMMON TO SECTIONS 29, 30, 31, & 32)
L34008 (COOS 51626)	1354 FEET NORTH AND 646 FEET EAST NW SW	NW CORNER OF SECTION 32 (COMMON TO SECTIONS 29, 30, 31, & 32)
L34018	2515 FEET NORTH AND 1169 FEET EAST	NW CORNER OF SECTION 32 (COMMON TO SECTIONS 29, 30, 31, & 32)
L34030 (COOS 51649)	1674 FEET NORTH AND 1451 FEET EAST	NW CORNER OF SECTION 32 (COMMON TO SECTIONS 29, 30, 31, & 32)
PW6 (COOS 50970; L18620)	733 FEET SOUTH AND 1130 FEET EAST	NW CORNER OF SECTION 32 (COMMON TO SECTIONS 29, 30, 31, & 32)
L44790*	432 FEET SOUTH AND 254 FEET WEST	W1/16 CORNER BETWEEN SECTION 5 AND 32

APOA

~~APOA~~ Auth

Auth

Auth

Auth

APOA

*Note: Location is approximate. Not yet Surveyed. Well location will be proofed prior to issuance of final water right.

Please refer to the following figure for a mapped location of the proposed points of appropriation.

T-8861

Attachment D: Proposed Changes in Place of Use

Amendments to Place of Use

T-8861

PROPOSED AMENDED *ADDITIONAL* PLACE OF USE*						
TOWNSHIP	RANGE	SECTION	1/4	1/4	IRRIGATED ACRES	SUPPLEMENTAL IRRIGATION
27S	R14W W.M.	20	NE	SW	8.4	
27S	R14W W.M.	20	SE	SW	38.2	
27S	R14W W.M.	20	SW	SW	15.0	
27S	R14W W.M.	29	NW	NW	38.8	
27S	R14W W.M.	29	NE	NW	40.0	
27S	R14W W.M.	29	SE	NW	40.0	
27S	R14W W.M.	29	SW	NW	40.0	
27S	R14W W.M.	30	NE	NE	2.5	
27S	R14W W.M.	30	SE	NE	7.9	
AMENDED ADDITIONAL IRRIGATION ACREAGE*:					230.8	acres
PROPOSED *CANCELLED* PLACE OF USE*						
TOWNSHIP	RANGE	SECTION	1/4	1/4	IRRIGATED ACRES	SUPPLEMENTAL IRRIGATION
**28S	R14W W.M.	5	NE	NW	10.0	
28S	R14W W.M.	5	NW	NW	6.5	
28S	R14W W.M.	5	SW	NW	10.8	
**28S	R14W W.M.	5	SE	NW	18.5	
**28S	R14W W.M.	5	NE	SW	15.6	
28S	R14W W.M.	5	NW	SW	9.0	
28S	R14W W.M.	5	SW	SW	10.0	
28S	R14W W.M.	5	SE	SW	17.0	
**27S	R14W W.M.	29	NE	SW	10.5	
**27S	R14W W.M.	29	SE	SW	4.6	
27S	R14W W.M.	29	NW	SE	40.0	
**27S	R14W W.M.	29	SW	SE	12.2	
27S	R14W W.M.	32	SW	SW	5.0	
**27S	R14W W.M.	32	SE	SW	21.1	
27S	R14W W.M.	32	SE	SE	40.0	
TOTAL CANCELLED IRRIGATION ACREAGE*:					230.8	acres
** Removing some, but not all, of the previously approved acreage.						

COPY

Proposed Revised Permitted Place of Use

T-8861

LOCATIONS OF PROPOSED PLACE OF USE*							
TOWNSHIP	RANGE	SECTION	1/4	1/4	IRRIGATED ACRES	SUPPLEMENTAL IRRIGATION	COMMERCIAL
27S	R14W W.M.	29	NE	SW	28.6		
27S	R14W W.M.	29	NW	SW	40.0		
27S	R14W W.M.	29	SW	SW	40.0		
27S	R14W W.M.	29	SE	SW	33.8		X
27S	R14W W.M.	29	SW	SE	27.8		
27S	R14W W.M.	29	NW	NW	38.8		
27S	R14W W.M.	29	NE	NW	40.0		
27S	R14W W.M.	29	SE	NW	40.0		
27S	R14W W.M.	29	SW	NW	40.0		
27S	R14W W.M.	30	NE	SE	12.0		
27S	R14W W.M.	30	SE	SE	18.0		
27S	R14W W.M.	30	NE	NE	2.5		
27S	R14W W.M.	30	SE	NE	7.9		
27S	R14W W.M.	31	NE	NE	27.1		
27S	R14W W.M.	31	SE	NE	33.6		
27S	R14W W.M.	31	NE	SE	45.8		
27S	R14W W.M.	31	SE	SE	12.5		
27S	R14W W.M.	32	NW	NE	40.0		
27S	R14W W.M.	32	NE	NW	34.8		X
27S	R14W W.M.	32	NW	NW	40.0		
27S	R14W W.M.	32	SW	NW	40.0		
27S	R14W W.M.	32	SE	NW	21.5		X
27S	R14W W.M.	32	NE	SW	22.3		X
27S	R14W W.M.	32	NW	SW	36.8		X
27S	R14W W.M.	32	SW	SW	0.0		X
27S	R14W W.M.	32	SE	SW	12.5		X
27S	R14W W.M.	32	NW	SE	0.5		X
27S	R14W W.M.	32	SW	SE	36.1		
27S	R14W W.M.	20	NE	SW	8.4		
27S	R14W W.M.	20	SE	SW	38.2		
27S	R14W W.M.	20	SW	SW	15.0		
28S	R14W W.M.	5	NE	NE	29.4		
28S	R14W W.M.	5	NW	NE	28.11	0.29	
28S	R14W W.M.	5	SW	NE	39.85	0.15	
28S	R14W W.M.	5	SE	NE	35.42	0.38	
28S	R14W W.M.	5	NE	NW	9.3		
28S	R14W W.M.	5	SE	NW	13.6		
28S	R14W W.M.	5	NE	SE	9.3		
28S	R14W W.M.	5	NW	SE	18.0		
28S	R14W W.M.	5	NE	SW	6.2		
28S	R14W W.M.	8	NW	NE			X
28S	R14W W.M.	8	NE	NW			X
TOTAL AMENDED IRRIGATION ACREAGE*:					1024.5	acres	
*USE OF WATER FOR IRRIGATION LIMITED TO A 500.0 ACRE DEVELOPMENT OF THE							
POTENTIAL	1024.5	ACRES IDENTIFIED IN PLACE OF USE.					

COPY

Appl G-13577
(Permit G-13498)

MEMORANDUM

Date: July 21, 2003

To: Application #G-13577 (Permit #G-13498)

From: Lisa Juul, Permit Extension Review

Subject: Additional Information for Extension of Time Request

---

Today, I spoke with Mr. Troy Russell (Resort Superintendent for Bandon Dunes Limited Partnership) concerning the Extension of Time request for Permit #G-13498 (Application #G-13577). Mr. Russell provided the following answers to my questions:

1. **Permit #G-13498 allows the use of water from six wells. How many of those wells have been constructed so far?**

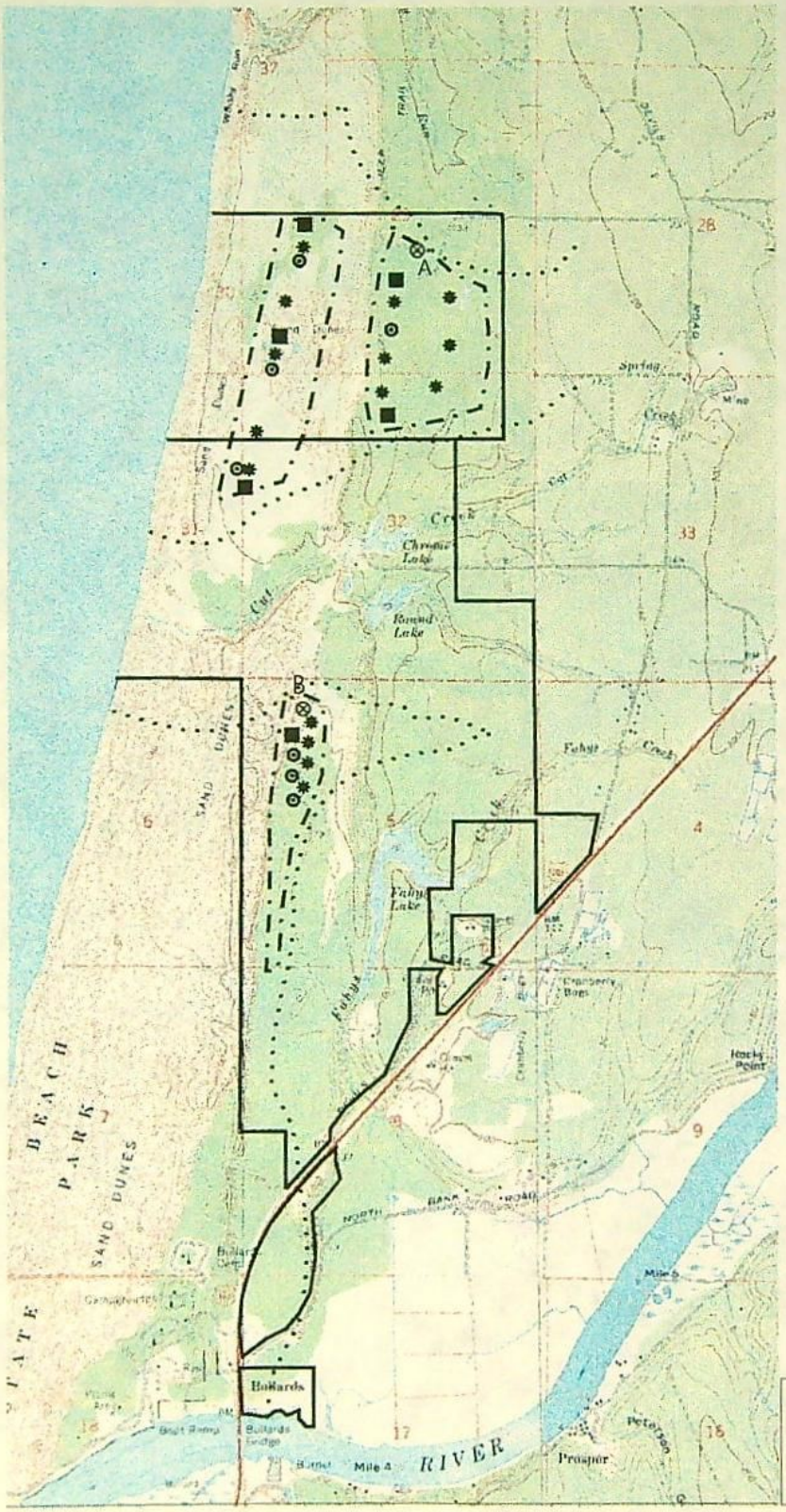
   Answer: **Six wells have been drilled to date.** (NOTE: a permit amendment issued under Sp. Order Vol 56, Pgs. 907 thru 913, allows the appropriation of water from 6 additional wells, however, none of those wells have been drilled yet.)

2. **How many hours per day is water being pumped from the well(s)?**

   Answer: **Usually 24 hours per day**

3. **Permit #G-13498 allows the use of water for Commercial Use, Domestic Use for 500 Households and Irrigation and Out-of-Season Irrigation of 500.0 acres.** The extension application indicates 220.0 acres have been irrigated and commercial facilities have been built. **Has any water been used for Domestic Use yet?**

   Answer: **None of the proposed 500 households have been built yet..... so no water has been used for Domestic Use yet. Water is being used, however, in the hotel (Commercial Use) to serve 132 rooms.**



N

1 inch = 3,000 feet

⊗ Existing Well

⊙ Potential Location of Drilled Well

✱ Potential Location of Sump Well

■ Potential Location of Excavated Reservior

Approximate Property Lines

1/4 Mile Line from Surface Water

Alternative Well Placement Area

EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road,
Eugene, Oregon 97402
(503) 688-8322

Permit Extension Ground Water Review

Date: Oct. 21, 2002

To: Fred Lissner, Ground Water Section Manager

From: Lisa Juul, Permit Extension Review

Subject: Ground Water Review Needed for File # G-13577 / Permit # G-13498

The above referenced permit is currently being reviewed for an extension of time. Before I can determine whether or not an extension of time should be granted, however, a Ground Water review for this file is necessary due to the following:

NOTE: *Original Division 9 review completed by:* Doug Woodcock

- ☐ No Division 9 Ground Water Review Done.... ***please see below***
- ☐ Located within a ***Critical*** Ground Water Area
- ☐ Located within a Ground Water ***Limited*** Area
- ☐ Located within a Ground Water ***Study*** Area
- ☐ 5-Year Limited Permit
- ☑ Other: Please See Below

COMPLETED BY Doug Woodcock 1-22-03

For Ground Water / Hydrology Staff Use:

can't find one in file

☑-YES ☐-NO **Please complete a ~~Div. 9 and~~ Scenic Waterway (SWW) Review for this file.** Due to the early priority date associated with this permit, no prior ~~Div. 9 or~~ SWW review was ever done.

Please answer the following questions. If necessary, attach an additional sheet.

1. Should any additional conditions be added to this permit? No
2. Should the extension of time request be further conditioned or ***DENIED*** due to ground water supply concerns? No
3. Should the Department establish a new reference level for water level declines due to the failure of permittee to submit annual measurements? No
4. Other issues or concerns? No

Water Resources Department

MEMO JAN 22 2003

TO **Application G-** 13577

FROM **GW:** Doug Woodcock
(Reviewer's Name)

SUBJECT **Scenic Waterway Interference Evaluation**

☐ Yes
☑ No

The source of appropriation is within or above a Scenic Waterway

☐ Yes
☑ No

Use the Scenic Waterway condition (Condition 7J).

PREPONDERANCE OF EVIDENCE FINDING: (Check box only if statement is true)

☑ At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water 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.

FLOW REDUCTION: *(To be filled out only if Preponderance of Evidence box is not checked)*

Exercise of this permit is calculated to reduce monthly flows in _____ Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## 13577

ROUTED TO: Colleen

TOWNSHIP/ 27S/14-31,32

RANGE-SECTION: ~~14S~~ 28S/14W-5

CONDITIONS ATTACHED? [X] yes [ ] no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: DEW.

* THIS REVIEW SUPERSEDES THE REVIEW OF 2/9/94

TO: Water Rights Section 11-13, 1997.

FROM: Groundwater/Hydrology Section Done Woodcock
Reviewer's Name

SUBJECT: Application G- 13577

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)_____;
      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)_____;
      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: See attached proposed conditions

(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)

To: File G-13577

From: Doug Woodcock

Subject: Proposed Permit Conditions

The application for the Bandon Coastal Dunes G-13577 has been reviewed. The finding of No Potential For Substantial Interference can be made by incorporating the hydrogeologic consultant's requests for changes to the original application and by conditioning the permit with some data collection and resource management conditions.

APPLICANT'S AMENDMENTS

1) In a letter to the department dated May 27, 1997 the applicant's consultant requested the application be amended to reduce the quantity of water from 5.88 to 3.55 CFS.

2) In a letter to the department dated July 12, 1997 the applicant's consultant requested the application be amended to drop all sump wells and use of water shall be from drilled wells.

RESOURCE MANAGEMENT AND DATA COLLECTION CONDITIONS **(bold indicates new language)**

7A Non-Seasonal Use Condition (modified to reflect a maximum 10 ft decline)

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within **60 days** of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include**: 1)** a **5 year** program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells**; 2) measure specific conductance of ground water; 3) collect and report water use data; 4) outline a mitigation plan to address future ground water interference with surface water and salt water encroachment**. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of **10 or more feet** over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the **10-foot decline level** or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

7B Interference Condition

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.

WELL DRILLING AND CONSTRUCTION

Production well locations shall be limited to the areas identified as "Alternative Well Placement Areas" in EGR and Associates document of May 27, 1997.

With the exception of the existing Schuman well (Coos 330), all wells used for water supply under this permit shall be constructed in a manner to case and seal off all water to a minimum depth of 80 ft below land surface.

Any future well drilling shall be coordinated with the Department for well location, well construction and the driller's collection of geologic samples.

Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE # G-13577

ROUTED TO: WATER RIGHTS

TOWNSHIP/
RANGE-SECTION: 27S/14-31,32

CONDITIONS ATTACHED? [✓] yes [ ] no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: D. WOODCOCK

TO: Water Rights Section

FEB 9, 1994

FROM: Groundwater/Hydrology Section D. Woodcock
Reviewer's Name

SUBJECT: Application G- 13577

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 surface water
   b. ____ will not } source, namely Cut Cr, Fahys Cr ; or
   c. ____ will, if properly conditioned, adequately protect the surface water from interference:
      i. ___ The permit should contain condition #(s)_____;
      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 water from substantial interference.

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 and/or
   b. ____ will not } within the capacity of the resource; or
   c. ✓ can, if properly conditioned, avoid injury to existing rights or to the groundwater resource;
      * i. ___ The permit should contain condition #(s) 4H ~~4B~~ ;
      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.

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: * IF THE HYDRAULIC INTERFERENCE ISSUE IS RESOLVED AND THE PERMIT IS ISSUED, IT SHOULD BE CONDITIONED W/ RESOURCE PROTECTION MEASURE 4H. MODIFY 4H TO ALLOW NO MORE THAN 15 ft OF DECLINE.

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
   b._____was not
   } constructed according to the standards in effect at the time of 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.

_____ _____, 1992.
(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: _____
_____
_____.

_____ _____, 1992.
(Signature)

EGR & Associates, Inc.

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

If wells are to be moved or added
ΔPOA and/or APOA permit amendment
as well.

Need permit amendment for ΔPOU.
Limited to permitted acres only.
So, they will have to "dry" up
authorized areas to move to the
new location.
Map sez 398.8 acres, so 398.8
acres of the authorized area will
have to be "dried" up.
Kelly

Februar

Mr. Jake
Water R
158 12th
Salem, O

RE: Ar -13498

Dear Mr. S

Bandon Coa of their
permit (#G-1 ayout
does not resu nds the
total area und
modifications

- The total ar Coastal Dunes could lay out the irrigated golf courses will extend farth than previously indicated. BCD has acquired new land since the original permit was received and requests the ability to use the new land to allow more flexibility in determining the layout of any new irrigated golf courses. The total area to be irrigated will remain unchanged at 500 acres. The rate and duty on the permit also remains the same. The added area lies to the north of the original area depicted on the application map for file G-13498. A new map is supplied with this letter depicting the new area, as well as a portion of the previous area from file G-13498.
- All wells to be used were located via GPS in October. They will be receiving tags with proper ID numbers as well if they currently lack tags. The final list of wells to be used will be adjusted appropriately, with updated locations and numbers, and the map depicting the points of diversion will be corrected accordingly as well. Any issues regarding final disposition of these wells will be accommodated as necessary (i.e. replacement or modification of well construction to meet permit requirements).
- There was some confusion on our client's part about the past collection of data. They have informed us that for the next year the Water Master and BCD will be working on data collection together, and a schedule for taking the readings was finalized in October 2000. This will supply us and WRD with the data required to determine if the appropriate amount of water, per their permit is being used.

RECEIVED
FEB 0 2 2001
WATER RESOURCES DEPT.
SALEM, OREGON

If wells are to be moved or added

ΔPOA and/or APOA permit amendment as well.

Need permit amendment for ΔPOU.

Limited to permitted acres only.

So they will have to "dry" up authorized areas to move to the new location.

Map sez 398.8 acres, so 398.8 acres of the authorized area will have to be "dried" up.

Kelly

EGR & Associates, Inc.

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

February 1, 2001

G 13577

Mr. Jake Szramek
Water Resources Department
158 12th St. NE
Salem, OR 97310

RE: Amending the Bandon Coastal Dunes Permit to Use Ground Water, Permit #G-13498

Dear Mr. Szramek

Bandon Coastal Dunes (BCD) is requesting a modification to the applicable mapped area of their permit (#G-13498). The decision by Bandon Coastal Dunes to change their golf course layout does not result in any changes to the rate, duty, or total acres to be irrigated, but only expands the total area under consideration for the final layout of irrigated areas. The following list of modifications is requested:

- The total area over which Bandon Coastal Dunes could lay out the irrigated golf courses will extend farther north than previously indicated. BCD has acquired new land since the original permit was received and requests the ability to use the new land to allow more flexibility in determining the layout of any new irrigated golf courses. The total area to be irrigated will remain unchanged at 500 acres. The rate and duty on the permit also remains the same. The added area lies to the north of the original area depicted on the application map for file G-13498. A new map is supplied with this letter depicting the new area, as well as a portion of the previous area from file G-13498.
- All wells to be used were located via GPS in October. They will be receiving tags with proper ID numbers as well if they currently lack tags. The final list of wells to be used will be adjusted appropriately, with updated locations and numbers, and the map depicting the points of diversion will be corrected accordingly as well. Any issues regarding final disposition of these wells will be accommodated as necessary (i.e. replacement or modification of well construction to meet permit requirements).
- There was some confusion on our client's part about the past collection of data. They have informed us that for the next year the Water Master and BCD will be working on data collection together, and a schedule for taking the readings was finalized in October 2000. This will supply us and WRD with the data required to determine if the appropriate amount of water, per their permit is being used.

RECEIVED

FEB 0 2 2001

WATER RESOURCES DEPT.
SALEM, OREGON

More information will be supplied once it is acquired. Thank you very much for your assistance in this matter. Please feel free contact us with any questions, comments, or suggestions.

Respectfully,

EGR & Associates, Inc. for Bally Bandon, L.P.

Ralph Christensen, R.P.G.

cc: Doug Woodcock (WRD)
Howard McKee (BCD)

RECEIVED
FEB 0 2 2001
WATER RESOURCES DEPT.
SALEM, OREGON

FO CHECKLIST

FILE # G-13577 REVIEW DATE: 5/12/98

PFO WEEK # 132 PFO TO FO CONVERSION INITIALS : RWK

In preparing to create the FO, you should check the following:

1. Y / N Were comments or protests received? If so, **from whom** and **when**?
2. ✓ On the PFO CC list, verify names and addresses of **ALL** commentors (regardless of comment date), **affected landowners**, and **those who paid the $10 fee.**
3. Y / N / NA Have affected landowners been notified?
4. Y / N Is the file lacking a signed oath of accuracy for the application?
5. Y / N / NA Has ODFW asked for self certification of screening condition? If so, write "ODFW CERT" in the permit blank on the front of the file.
6. Y / N Is water use prohibited for one or more months of the normal use period?
7. ~~Y / N If # 6 = "Y",~~ is short season letter on file? Note: If short season letter is lacking, see Item #10 below. Give applicant 60 days to submit required information.
8. OWES 370 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

   200 EXAM
   100 REC Comm
   125 REC Dom
   100 REC 10 AC
   980 REC 490 AC
   1505
   PD 1135 OWES 370
   370
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:\...\FO\TOOLS if possible)
11. ✓ Assign permit numbers to files with oath, fees, and no protests or other issues
12. Y / N Do the PFO conclusions requires modification? Why?_____
    (If YES, circle FOMOD and one other type below)

FO Type: (circle types) DENIAL FO w/o PERMIT FO & PERMIT FOMOD

COMMENTS:	MGMT CODES:
ADD "TOTAL" TO 500 AC UNDER PURPOSE OR USE DESCRIPTION OF ACRES & POU	74, 78 38,

Once created, modify FO as needed to:

Initials _____

13. ✓ Respond to significant comments, issues, or disputes related to the proposed use of water (see notes, if any, listed above)
14. ✓ Include or exclude permit conditions and management codes
15. ✓ Correct PFO errors (such as POD or POU location (verify from map), Permit format)

Once FO document is completed:

16. ✓ Save WordPerfect document in M:\GROUPS\WR\FO\WEEK/32 & delete duplicates
17. ✓ Print final draft of document and submit to team leader for review
18. Y / N Team leader review completed

Mailing List for Permit Copies

Application # G-13577 Mailing List Print Date September 23, 1998

Original mailed to(when permit issued, include copy of permit map):

Applicant: Howard McKee, Bandon Dunes Limited Partnership, 2130 Lincoln Park W., Chicago, IL, 60614

Copies Mailed
By: HQW
(SUPPORT STAFF)
on: 10/13/98
(DATE)

For Permit only - Permit Copies sent to (Remember to reduce copy margins):

1. WRD - File # G-13577
2. WRD - Ken Stahr
3. WRD - Data Center
4. WRD - NWR (Gloria)
5. WRD - Watermaster District #: 19 (w/copy of permit map)
6. WRD - Regional Manager: SWR (w/copy of permit map)

For Permit only - Copies to Other Interested Persons *(CWRE, Agent, Well Driller, Commenter, etc.)*

1. Ralph Christensen, EGR & Associates Inc., 2535 B Prairie Rd., Eugene, Oregon 97402

2. _____

3. _____

CASEWORKER: LKS

Mailing List for PFO Copies

Application #G-13577 PFO Date ~~February 3, 1998~~

Original mailed to:

Applicant: BANDON DUNES LTD; MCKEE, HOWARD (C/O), 2130 LINCOLN PARK W, CHICAGO, IL 60614

Copies Mailed
By: CAK
(SUPPORT STAFF)
on: 2/3/98
(DATE)

Copies sent to:
1. WRD - File # G-13577
2. WRD - Water Availability: Ken Stahr

PFO, Map, and Fact Sheet Copies sent to:
3. WRD - Watermaster # District 19
4. WRD - Regional Manager: SWR
5. ODFW District Biologist: Coos-Coquille District

$10
JCB
6/29/98

Copies sent to Other Interested Persons *(CWRE, Agent, Well Driller, Commenter, etc.)*

6. Ralph Christensen, EGR & Associates, Inc., 2535 B Prairie Rd., Eugene, Oregon 97402

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

"$10 LETTER" sent to Interested Persons who have not protested or paid for copies

1. Ron Yockim, PO Box 218, Roseburg, Oregon 97470

2. WATERWATCH

3. STEVE SCHNEIDER, 21881 RIVER RD NE, ST PAUL, OR 97137

CASEWORKER: JKS ~~WEEK~~ 132

Oregon
John A. Kitzhaber, M.D., Governor

Water Resources Department
Commerce Building
158 12th Street NE
Salem, OR 97301-4172
(503) 378-3739
FAX (503) 378-8130

Ralph Christensen
ERG & Associates, Inc.
2535B Prairie Road
Eugene, Or 97402

October 15, 2001

Dear Ralph,

Oregon Water Resources Department has received and accepted the monitoring plan for permit G-13498, Bandon Dunes Golf Course. One of the monitoring parameters for the golf course wells is specific conductance of the well water. You may recall that early data collected on the wells was questionable because of unorthodox reporting units. As we discussed October 3, 2000, those early data are important to the project because they provide a baseline of water quality information. Your firm was going to decipher those data so that a comparison with recent readings could be made. Could you please provide to me the results of your analysis on the early data and the subsequent specific conductance data so that I may add it to the water level information I have received from Warren Felton.

Best regards,

Doug Woodcock
Hydrogeologist

cc: Howard McKee

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-13577

Final Order

Application History

On December 17, 1993, HOWARD MCKEE, for BANDON DUNES LIMITED PARTNERSHIP, submitted an application to the Department for a water use permit. The Department issued a Proposed Final Order on February 3, 1998. The protest period closed March 20, 1998, and no protest was filed.

The proposed use would not impair or be detrimental to the public interest, but the Department's continuing evaluation reveals that the Proposed Final Order requires modification as follows:

- to correctly describe the place of use
- to correctly describe the point of diversion
- add "a total of" to the description of the purpose or use
- add the following condition:

  This right is limited to any deficiency in the available supply of any prior right existing for the same land.

- Modify the following condition:

  Under the terms of this permit, the use of water for irrigation is allowable up to 500.0 acres of the 1024.5 acres identified in the description of the Place of Use above.

  To:

  Use of water for irrigation under this permit is limited to a development of a maximum of 500.0 acres of the potential 1024.5 acres identified in the description of the Place of Use above.

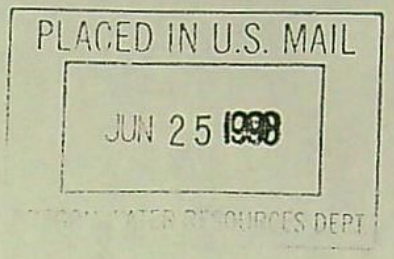
Order

Upon payment of outstanding permit recording fees, Application G-13577 shall be approved as modified above and as conditioned in the attached draft permit.

Permit recording fees are required in the amount of $370.00. Said fees are due and payable no later than 60 days from the date of this Final Order. Failure to pay the required permit recording fees within 60 days from the date of this Final Order will result in the proposed rejection of Application G-13577.

DATED May 28 , 1998

Martha O. Pagel, Director



Hearing and Appeal Rights

Under the provisions of ORS 537.170 and ORS 537.622, the applicant may request a contested case hearing by submitting the information required for a protest under ORS 537.153(6) or ORS 537.621(7) to the Department within 14 days after the date of mailing of this order as shown below. If a contested case hearing is requested, the Department must schedule one. In the contested case hearing, however, only those issues based on the above modifications to the proposed final order may be addressed.

This document was prepared by Russell W. Klassen. If you have any questions about any of the statements contained in this document he is most likely the best person to answer your questions. You can reach him toll free within Oregon at 1-800-624-3199 extension 266. Outside of Oregon you can dial 1-503-378-8455.

If you have questions about how to file a protest or if you have previously filed a protest and want to know the status, please contact Adam Sussman. His extension number is 262.

If you have other questions about the Department or any of its programs please contact our Water Rights Information Group at extension 499.

STATE OF OREGON

COUNTY OF Coos

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

BANDON DUNES LIMITED PARTNERSHIP
C/O HOWARD MCKEE
2130 LINCOLN PARK W. PHONE: (312) 281-0652
CHICAGO, IL 60614

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-13577

SOURCE OF WATER: SIX WELLS IN THE CUT CREEK BASIN

PURPOSE OR USE: COMMERCIAL USE, DOMESTIC USE SERVING 500.0 HOUSEHOLDS, AND IRRIGATION AND OUT-OF-SEASON IRRIGATION OF A TOTAL OF 500.0 ACRES

MAXIMUM RATE: 3.55 CUBIC FEET PER SECOND (CFS), BEING 0.46 CFS FOR DOMESTIC USE FOR 500 HOUSEHOLDS AND COMMERCIAL USE AND 3.09 CFS FOR IRRIGATION

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31 FOR IRRIGATION USE; NOVEMBER 1 THROUGH THE MONTH OF FEBRUARY FOR OUT-OF-SEASON IRRIGATION; YEAR ROUND FOR COMMERCIAL USE AND DOMESTIC USE FOR 500 HOUSEHOLDS

DATE OF PRIORITY: DECEMBER 17, 1993

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, NW 1/4 NW 1/4, SW 1/4 NW 1/4, SECTION 32, T27S, R14W, W.M., NW 1/4 NW 1/4, SW 1/4 NW 1/4, SECTION 5, T28S, R14W, W.M.; **SCHUMANN WELL** - 417 FEET SOUTH AND 283 FEET WEST FROM N1/4 CORNER SECTION 32; **PW5** - 27 FEET NORTH AND 382 FEET WEST FROM NW1/16 CORNER, SECTION 32; **PW4** - 377 FEET NORTH AND 173 FEET EAST FROM W1/4 CORNER, SECTION 32; **WELL 1** - 641 FEET SOUTH AND 69 FEET WEST, **WELL 2** - 632 FEET SOUTH AND 254 FEET WEST BOTH FROM W1/16 CORNER, BETWEEN SECTION 5 AND 32; **WELL 3** - 61 FEET SOUTH AND 303 FEET WEST FROM NW1/16 CORNER, SECTION 5;

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out-of-season irrigation. The total amount diverted shall not exceed 2.5 acre-feet for each acre irrigated each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

		IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NE 1/4 SW 1/4		39.1 ACRES		
NW 1/4 SW 1/4		40.0 ACRES		
SW 1/4 SW 1/4		40.0 ACRES		
SE 1/4 SW 1/4		38.4 ACRES		X
NW 1/4 SE 1/4		40.0 ACRES		
SW 1/4 SE 1/4		40.0 ACRES		
		SECTION 29		
NE 1/4 SE 1/4		12.0 ACRES		
SE 1/4 SE 1/4		18.0 ACRES		
		SECTION 30		
NE 1/4 NE 1/4		27.1 ACRES		
SE 1/4 NE 1/4		33.6 ACRES		
NE 1/4 SE 1/4		45.8 ACRES		
SE 1/4 SE 1/4		12.5 ACRES		
		SECTION 31		
NW 1/4 NE 1/4		40.0 ACRES		
NE 1/4 NW 1/4		34.8 ACRES		X
NW 1/4 NW 1/4		40.0 ACRES		
SW 1/4 NW 1/4		40.0 ACRES		
SE 1/4 NW 1/4		21.5 ACRES		X
NE 1/4 SW 1/4		22.3 ACRES		X
NW 1/4 SW 1/4		36.8 ACRES		X
SW 1/4 SW 1/4		5.0 ACRES		X
SE 1/4 SW 1/4		33.6 ACRES		X
NW 1/4 SE 1/4		0.5 ACRE		X
SW 1/4 SE 1/4		36.1 ACRES		
SE 1/4 SE 1/4		40.0 ACRES		
		SECTION 32		
	TOWNSHIP 27	SOUTH, RANGE 14	WEST, W.M.	
NE 1/4 NE 1/4		29.4 ACRES		
NW 1/4 NE 1/4		28.11 ACRES	0.29 ACRE	
SW 1/4 NE 1/4		39.85 ACRES	0.15 ACRE	
SE 1/4 NE 1/4		35.42 ACRES	0.38 ACRE	
NE 1/4 NW 1/4		19.3 ACRES		
NW 1/4 NW 1/4		6.5 ACRES		
SW 1/4 NW 1/4		10.8 ACRES		
SE 1/4 NW 1/4		32.1 ACRES		
NE 1/4 SW 1/4		21.8 ACRES		
NW 1/4 SW 1/4		9.0 ACRES		
SW 1/4 SW 1/4		10.0 ACRES		
SE 1/4 SW 1/4		17.0 ACRES		
NE 1/4 SE 1/4		9.3 ACRES		
NW 1/4 SE 1/4		18.0 ACRES		
		SECTION 5		
NW 1/4 NE 1/4				X
NE 1/4 NW 1/4				X
		SECTION 8		
	TOWNSHIP 28	SOUTH, RANGE 14	WEST, W.M.	

*Use of water for irrigation under this permit is limited to a development of a maximum of 500.0 acres of the potential 1024.5 acres identified in the description of the Place of Use above.

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.

Production well locations shall be limited to the areas identified as "Alternative Well Placement Areas" in EGR and Associates document of May 27, 1997.

With the exception of the existing Schuman well (Coos 330), all wells used for water supply under this permit shall be constructed in a manner to case and seal off all water to a minimum depth of 80 feet below land surface.

Any future well drilling shall be coordinated with the Department for well location, well construction and the driller's collection of geologic samples.

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.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within **60 days** of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include: 1) a 5 year program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells; 2) measure specific conductance of

groundwater; 3) collect and report water use data; 4) outline a mitigation plan to address future groundwater interference with surface water and salt water encroachment. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 10 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 10-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

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 by May 28, 1999. Complete application of water to the use shall be made on or before October 1, 2002. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued _____, 199_

DRAFT - THIS IS NOT A PERMIT

_____
Martha O. Pagel, Director
Water Resources Department

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-13577

Proposed Final Order

Summary of Recommendation: The Department recommends that the attached draft permit be issued with conditions.

Application History

On December 17, 1993, BANDON DUNES LIMITED PARTNERSHIP, C/O HOWARD MCKEE, submitted an application to the Department for the following water use permit:

- Amount of Water: 5.88 CUBIC FEET PER MINUTES (CFS), BEING 0.625 CFS FOR COMMERCIAL USE, 1.5 CFS FOR DOMESTIC USE FOR 500 DWELLINGS, AND 3.75 CFS FOR IRRIGATION OF 300.0 ACRES
- Use of Water: COMMERCIAL USE, DOMESTIC USE SERVING 500.0 HOUSEHOLDS AND IRRIGATION OF 300.0 ACRES
- Source of Water: FIVE WELLS IN THE CUT CREEK AND FAHY CREEK BASIN
- Area of Proposed Use: Coos County within SECTION 31, SECTION 32, TOWNSHIP 27 SOUTH, RANGE 14 WEST, W.M., AND SECTION 5, TOWNSHIP 28 SOUTH, RANGE 14 WEST, W.M.

The Department mailed the applicant notice of its Technical Review August 17, 1994, determining that the use of 5.88 CFS or 2640.0 Gallons per Minute (GPM), being 280.0 GPM for Commercial Use, 673.0 GPM for Domestic Use for 500 Dwellings and 1683.0 GPM for Irrigation of 300.0 acres, is not allowable. The 60-day objection period closed October 24, 1994.

Within the 60-day period, objections were received from Ralph Christensen, EGR and Associates, agent for the applicant.

On May 27, 1997, based upon discussions with Department personnel in order to resolve issues associated with the unsatisfactory Technical Review, a request was submitted to the Department to amend the application. The application was modified to reduce the amount of water requested to 3.55 CFS, being 0.46 CFS for domestic and commercial use and 3.09 CFS for Irrigation, to modify proposed well locations to include two existing wells, 7 potential wells locations, and 15 potential sump well locations. The application was also modified to increase the number of acres to be irrigated to 500.0 acres.

Based upon further discussions with Department personnel, the application was further modified on July 12, 1997, to eliminate the sump wells from the application and to request the use of six wells.

On January 9, 1998, the request to use water for irrigation purposes was further clarified as including out-of-season irrigation.

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 findings of this Proposed Final Order are part of continued negotiations between the Department and the applicant in order to resolve the issues identified in the Unsatisfactory Technical Review, issued August 17, 1994. The Technical Review identified that the wells will have the potential for substantial interference with surface water. The Technical Review further identified that water is not available for the proposed use and, therefore, the proposed use would not be allowable.

As part of the negotiations the applicant made the following modifications in order to resolve the issues identified in the Technical Review:

The total amount of water requested was reduced from 5.88 Cubic Feet per Second (CFS) to 3.55 CFS;

The proposed sump wells were removed from the application and modified the placement of the remaining proposed wells; and

Further defined the area to be irrigated, which includes three golf courses.

Based upon the above modifications, the Department's Groundwater/Hydrology Section revised its original findings and determined, based upon OAR 690-09, that the proposed groundwater use will, if properly conditioned, adequately protect the surface water from interference. The use of water from the wells is, therefore, no longer subject to surface water laws, rules and other limitations.

On December 11, 1997, a revised application map was submitted to the Department which identified 1024.5 acres in the area to be developed for irrigation use. The information submitted to the Department further defined that no more than 500.0 acres would likely be developed for irrigation out of the 1024.5 acres. At this time only one of the golf courses have been constructed and it is unclear where the lands to be irrigated, including those for pasture and landscaping, shall be within the 1024.5 acres identified on the application map. The Department finds that the applicant may irrigate up to 500.0 acres of the 1024.5 acres identified in the draft permit.

According to Department records, there are existing surface water rights, Certificate 21475, located on 0.82 acres of the lands identified for irrigation under this application. Unless otherwise identified by the applicant, if these lands are irrigated under a permit issued for this application, irrigation of these lands shall be made supplemental.

The South Coast Basin Program allows the following uses: COMMERCIAL USE, DOMESTIC USE FOR 500 HOUSEHOLDS AND IRRIGATION, INCLUDING OUT-OF SEASON IRRIGATION, OF 500.0 ACRES.

Senior water rights exist on SIX WELLS, IN THE CUT CREEK BASIN, or on downstream waters.

SIX WELLS, IN THE CUT CREEK BASIN, are not within or above a State Scenic Waterway.

Based upon additional information submitted by the applicant and modification of the application, on May 27, 1997 and July 12, 1997, a revised assessment of water availability was completed by the Department's Groundwater/Hydrology Section. A copy of this assessment is in the file. This assessment determined that water is available for further appropriation. Groundwater for the proposed use will, if properly conditioned, avoid injury to existing water rights or to the groundwater resource.

On January 9, 1998, additional information was submitted to the Department to provide justification for the use of water for Out-of-Season Irrigation. Based upon the use of water being for a destination resort and the soil types found on the project site, the Department finds that proposed use of water for Out-of-Season Irrigation is allowable. However, use for out-of-season irrigation shall be limited to no more than 0.5 acre-foot of water for each acre irrigated outside the irrigation season. The total duty shall not exceed 2.5 acre-feet for each acre irrigated each year.

The Department finds that no more than 3.55 CFS would be necessary for the proposed use. The amount of water requested, 3.55 CFS, BEING 0.46 CFS FOR DOMESTIC AND COMMERCIAL USE AND 3.09 CFS FOR IRRIGATION, is allowable.

The wells are not within a designated critical ground water area.

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 South Coast 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.

No proposed flow rate and duty of water higher than the general basin-wide standard is needed.

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 February 3, 1998

Dwight French
Water Rights Section Manager

Protest Rights

Under the provisions of 537.621(7), you have the right to protest 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 and proof of service of the protest upon the applicant.
- If you are the applicant, a statement of whether or not you are requesting a contested case hearing. If you do not request a hearing, the Department will presume that you do not wish to contest the findings of the proposed final order.
- <u>If you do not protest this Proposed Final Order and if no substantive changes are made in the final order, you will not have an opportunity for judicial review, protest or appeal of the final order when it is issued.</u>

Your protest must be received in the Water Resources Department no later than **March 20, 1998.**

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.

LKS- WEEK 132

DRAFT This is not a permit!!! DRAFT

STATE OF OREGON

COUNTY OF Coos

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

BANDON DUNES LIMITED PARTNERSHIP
C/O HOWARD MCKEE
2130 LINCOLN PARK W. PHONE: (312) 281-0652
CHICAGO, IL 60614

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-13577

SOURCE OF WATER: SIX WELLS IN THE CUT CREEK BASIN

PURPOSE OR USE: COMMERCIAL USE, DOMESTIC USE SERVING 500.0 HOUSEHOLDS, IRRIGATION AND OUT-OF-SEASON IRRIGATION OF A TOTAL OF 500.0 ACRES

MAXIMUM RATE: 3.55 CUBIC FEET PER SECOND (CFS), BEING 0.46 CFS FOR DOMESTIC USE FOR 500 HOUSEHOLDS AND COMMERCIAL USE AND 3.09 CFS FOR IRRIGATION

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31 FOR IRRIGATION USE; NOVEMBER 1 THROUGH THE MONTH OF FEBRUARY FOR OUT-OF-SEASON IRRIGATION; YEAR ROUND FOR COMMERCIAL USE AND DOMESTIC USE FOR 500 HOUSEHOLDS

DATE OF PRIORITY: DECEMBER 17, 1993

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, NW 1/4 NW 1/4, SW 1/4 NW 1/4, SECTION 32, T27S, R14W, W.M., NW 1/4 NW 1/4, SW 1/4 NW 1/4, SECTION 5, T28S, R14W, W.M.; WELL 1 - 641 FEET SOUTH AND 69 FEET WEST, WELL 2 - 632 FEET SOUTH AND 254 FEET WEST BOTH FROM NE CORNER, ~~NW 1/4 NW 1/4, SECTION 5;~~ WELL 3 - 61 FEET SOUTH AND 303 FEET WEST FROM ~~NE~~ CORNER, ~~SW 1/4 NW 1/4,~~ SECTION 5; (3) PW4 - 377 FEET NORTH AND 173 FEET EAST FROM W 1/4 CORNER, SECTION 32; (2) PW5 - 27 FEET NORTH AND 382 FEET WEST FROM SW CORNER, NW /14 NW 1/4, SECTION 32; (1) SCHUMANN WELL - 417 FEET SOUTH AND 283 FEET WEST FROM ~~N1/4~~ CORNER, SECTION 32

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year and 0.5 acre-foot for each acre irrigated for out-of-season irrigation. The total amount diverted shall not exceed 2.5 acre-feet for each acre irrigated each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

		IRRIGATION*	SUPPLEMENTAL IRRIGATION	COMMERCIAL
NE 1/4	SW 1/4	39.1 ACRES		
NW 1/4	SW 1/4	40.0 ACRES		
SW 1/4	SW 1/4	40.0 ACRES		
SE 1/4	SW 1/4	38.4 ACRES	~~219.5~~	X
~~NE 1/4~~	~~SE 1/4~~	~~12.0 ACRES~~	237.5	
NW 1/4	SE 1/4	40.0 ACRES		
SW 1/4	SE 1/4	40.0 ACRES		
		SECTION 29		
NE 1/4	SE 1/4	12.0 ACRES	30.0	
SE 1/4	SE 1/4	18.0 ACRES		
		SECTION 30		
NE 1/4	NE 1/4	27.1 ACRES		
SE 1/4	NE 1/4	33.6 ACRES	119.0	
NE 1/4	SE 1/4	45.8 ACRES		
SE 1/4	SE 1/4	12.5 ACRES		
		SECTION 31		
NW 1/4	NE 1/4	40.0 ACRES		
NE 1/4	NW 1/4	34.8 ACRES		X
NW 1/4	NW 1/4	40.0 ACRES		
SW 1/4	NW 1/4	40.0 ACRES		
SE 1/4	NW 1/4	21.5 ACRES		X
NE 1/4	SW 1/4	22.3 ACRES	350.6	X
NW 1/4	SW 1/4	36.8 ACRES		X
SW 1/4	SW 1/4	5.0 ACRES		X
SE 1/4	SW 1/4	33.6 ACRES		X
NW 1/4	SE 1/4	0.5 ACRE		X
SW 1/4	SE 1/4	36.1 ACRES		
SE 1/4	SE 1/4	40.0 ACRES		
		SECTION 32		
		TOWNSHIP 27 SOUTH, RANGE 14 WEST, W.M.		
NE 1/4	NE 1/4	29.4 ACRES		
NW 1/4	NE 1/4	28.11 ACRES	0.29 ACRE	
SW 1/4	NE 1/4	39.85 ACRES	0.15 ACRE	
SE 1/4	NE 1/4	35.42 ACRES	0.38 ACRE	
NE 1/4	NW 1/4	19.3 ACRES		
NW 1/4	NW 1/4	6.5 ACRES		
SW 1/4	NW 1/4	10.8 ACRES		
SE 1/4	NW 1/4	32.1 ACRES	281.4	
NE 1/4	SW 1/4	21.8 ACRES		
NW 1/4	SW 1/4	9.0 ACRES		
SW 1/4	SW 1/4	10.0 ACRES		
SE 1/4	SW 1/4	17.0 ACRES		
NE 1/4	SE 1/4	9.3 ACRES		
NW 1/4	SE 1/4	18.0 ACRES		
		SECTION 5		
NW 1/4	NE 1/4	1023.68		X
NE 1/4	NW 1/4	~~1055.68~~	.52	X
		SECTION 8		
		TOWNSHIP 28 SOUTH, RANGE 14 WEST, W.M.		

~~1036.5~~ 284.5

*Under the terms of this permit, the use of water for irrigation is allowable on up to 500.0 acres of the 1024.5 acres identified in the description of the Place of Use above.

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.

Production well locations shall be limited to the areas identified as "alternative Well Placement Areas" in EGR and Associates document of May 27, 1997.

With the exception of the existing Schuman well (Coos 330), all wells used for water supply under this permit shall be constructed in a manner to case and seal off all water to a minimum depth of 80 feet below land surface.

Any future well drilling shall be coordinated with the Department for well location, well construction and the driller's collection of geologic samples.

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.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within **60 days** of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include: 1) a 5 year program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells; 2) measure specific conductance of

groundwater; 3) collect and report water use data; 4) outline a mitigation plan to address future groundwater interference with surface water and salt water encroachment. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 10 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 10-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

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. Complete application of the water to the use shall be made on or before October 1, 2002. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued _____, 199_

DRAFT - THIS IS NOT A PERMIT

_____
Water Resources Department
Director

STATE OF OREGON
WATER RESOURCES DEPARTMENT

RECEIPT # 23560

158 12TH ST. N.E.
SALEM, OR 97310-0210
378-8455 / 378-8130 (FAX)

INVOICE #_____

RECEIVED FROM: Bandon Dunes L.P.
BY: _____

APPLICATION	G 13577
PERMIT	
TRANSFER	

CASH: ☐ CHECK: # ☒ 9 OTHER: (IDENTIFY) ☐ _____

TOTAL REC'D $ 320.00

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

pca # 66111

	MISCELLANEOUS				
0407	COPY & TAPE FEES				$
0410	RESEARCH FEES				$
0408	MISC REVENUE: (IDENTIFY)				$
New) TC165	DEPOSIT LIAB. (IDENTIFY)				$
Existing) TC168	WATER RIGHTS:	EXAM FEE		RECORD FEE	
0201	SURFACE WATER	$	0202		$
0203	GROUND WATER	$	0204		$ 320.00
0205	TRANSFER	$	0206		$
	WELL CONSTRUCTION	EXAM FEE		LICENSE FEE	
0218	WELL DRILL CONSTRUCTOR	$	0219		$
	LANDOWNER'S PERMIT		0220		$

_____ OTHER (IDENTIFY) _____

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 # 23560 DATED: 5/10/05 BY: M. Mroczko

Distribution-White Copy-Customer, Yellow Copy-Fiscal, Blue Copy-File, Buff Copy-Fiscal

2 each at $30

1 golf course ~~is not~~
is completed

RECEIVED

AUG 1 0 1998

WATER RESOURCES DEPT.
SALEM, OREGON

For Water Rights Application
Number G-13577

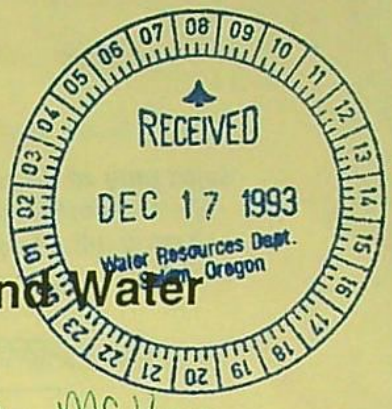
Bandon Dunes
57744 Round Lake Drive
Bandon, OR 97411

BANDON
AUG 7 '98
OREG.
≈ 0.32
U.S. POSTAGE

Oregon Water Resources Dept
158 12th Street N.E.
Salem OR 97310-0210

97310/0703

Application No. G13577



State of Oregon
WATER RESOURCES DEPARTMENT

Application for a Permit to Appropriate Ground Water

Applicant(s) Bandon Dunes Limited Partnership Attn: Howard McKee
(Please print or type - use dark ink)

Mailing Address: c/o 2130 Lincoln Park W

Chicago, (City) Illinois (State) 60614 (Zip) (312)281-0652 (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.):* Approximately 5 wells serving holding tanks and ponds manifold together. Some type of system recharge will be utilized.

If development is less than one mile from a natural stream, give the following:

Distance from development to stream: 700' to 1000'

Elevation difference between streambed and development: 10' to 100'

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: approximately 8" *Depth in feet:* 100'+

Type and size of well casing: approximately 8" PVC *No. of feet:* 500'+

Estimated depth to water: 10' to 20'

Type of access port or measuring device: Plug in sanitary seal

Wells to be drilled by: to be determined

Address:

If the water well is flowing artesian, describe your water control and conservation works:

2. ***TOTAL AMOUNT OF WATER*** *to be applied to beneficial use:* 5.88 *cubic feet per second,* ***OR*** 2640 *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:*** Commercial, Irrigation, Domestic

If for more than one use, give the quantity of water from each source for each use;

see attached

*If for **DOMESTIC** use, state the number of households to be supplied;* 500

*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.)*

1250 population

*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 300 acres

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).*

Approximately 5 wells, Berkeley Submersible pumps. 10,000 feet of 4" to 6" mainline, 30,000 feet of secondary distribution. Exact locations, pipe sizes, pump sizes, and acreages will be determined during Final Proof Survey. See attached map for approximate locations.

5. ***PROJECT SCHEDULE:*** *(List month and year)*

Proposed date construction work will begin January 1995

Proposed date construction work will be completed October 1996

Proposed date water use will be completed October 1997

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: _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

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.

Michael K Keiser, Pres. 12/13/93

Signature of Applicant *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 17 day of December, 1993, at 8 o'clock, a M.

APPLICATION NO: G 13577

A:APPFORM 9/89

EGR & Associates, Inc.
Engineers, Geologists, and Surveyors
2535 B Prairie Road
Eugene, Oregon 97402
(541) 688-8322

File G-13577

FAX

RECEIVED
JAN - 6 1998
WATER RESOURCES DEPT.
SALEM, OREGON

IF YOU HAVE ANY PROBLEMS WITH THIS TRANSMISSION, CALL (541)688-8322 OR FAX (541) 688-8087

Date 1/5/98

Number of pages including cover sheet 2

To:	From:
Laura Snedaker, Sr. Water Rights Examiner	Ralph Christensen
Phone	Phone (541) 688-8322
Fax Phone 503/378-8130	Fax Phone (541) 688-8087
CC:	

REMARKS:

☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please comment

Laura,

Please find attached, information as requested.

The information contained in this document is confidential and privileged, and is solely for the above named individual (s) or entity. If you have received this document in error, please send it immediately to its proper destination, or destroy it and contact us immediately at the number above. Any use or distribution of this document by any other person(s) than the intended receiver(s) or recipient(s) is prohibited.

Sheet1

TOWNSHIP, RANGE, SECTION, AND QUARTER QUARTERS IN WHICH COMMERCIAL USE IS TO OCCUR:

TOWNSHIP	RANGE	SECTION	1/16 SEC.	1/4 SEC.
27 S	14 W	29	SE	SW
27 S	14 W	32	SE	NW
27 S	14 W	32	NE	NW
27 S	14 W	32	NW	SW
27 S	14 W	32	SW	SW
27 S	14 W	32	SE	SW
27 S	14 W	32	NE	SW
27 S	14 W	32	NW	SE
28S	14W	8	NW	NE
28 S	14 W	8	NE	NW

RECEIVED
JAN - 6 1998
WATER RESOURCES DEPT.
SALEM, OREGON

EGR & Associates, Inc.
Engineers, Geologists, and Surveyors

2535 B Prairie Road
Eugene, Oregon 97402
(541) 688-8322 FAX (541) 688-8087

EGR & Associates, Inc.
Engineers, Geologists and Surveyors

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

January 8, 1998

Laura K. Snedaker
Water Resources Department
158 12th Street NE
Salem, OR 97310-0210

Dear Ms. Snedaker:

This letter addresses certain out-of-season irrigation issues with regards to the water right application for the Bandon Coastal Dunelands (BCD) Resort.

Resort Portion, Golf course and other uses.

The BCD Resort will ultimately comprise three (3) golf courses, commercial development (clubhouses, pro shops, overnight rooms, etc.), and residential development. The golf courses are to be maintained as Scottish Links style golf courses. Except for tees and greens the turf grasses on such a course are generally not maintained in a state of effusive growth as seen in other types of golf courses, and therefore generally require less maintenance, irrigation, and fertilization.

The soils at the BCD Resort are sandy and excessively drained soils which formed from active and stabilized sand dunes and reworked sandy terrace sediments and river deposits (see attachments). These excessively drained soils have water capacities as low as one inch. Turf grasses established on such soils are, therefore, prone to drought and may require supplemental irrigation during what would normally be considered outside the irrigation season. Additionally, as with other golf courses, water may be necessary for temperature control on turf grasses in order to prevent frost damage during winter months.

Pasture

A portion of the BCD property is outside the formal resort area and is currently reserved for pasture and other irrigated agricultural use. As these areas are established on the same types of soils as the turf grasses discussed earlier, they are therefore subject to the same environmental stresses as turf grasses, albeit at a lower rate. Pasture grasses are generally deeper rooted than grasses maintained as turf grass (*i.e.* they can access water from deeper in the soil profile). Additionally, pasture grasses are not maintained for visual or recreational reasons and do not require the same protection from frost damage required by golf course tees and greens. None-the-less, off-season irrigation may be required for proper maintenance of pasture grasses in these soils due to the soils extremely low water capacities.

Sincerely
EGR & Associates, Inc.

Steven I. Recca, R.P.G.

attachments

Soils on the BCD property (see also attached soils map).

1B-Bandon sandy loam, 0 to 7 percent slopes. This deep, well-drained soil is on dissected marine terraces. It formed in sandy marine deposits. The native vegetation is mainly conifers, shrubs, forbs, and hardwoods. Elevation is 25 to 300 feet. The average annual precipitation is 55 to 75 inches, the average annual air temperature is 51 to 53°F, and the average frost-free period is 200 to 240 days.

Typically, the surface is covered with a mat of decomposed organic litter 1 inch thick. The surface layer is dark grayish brown sandy loam 5 inches thick. The upper 25 inches of the subsoil is dark reddish brown sandy loam and loam, and the lower 13 inches is pale brown, cemented, sandy material. The substratum to a depth of 60 inches or more is a yellowish brown loam.

Included in this unit are areas of Blacklock and Bullards soils. Included areas make up about 20 percent of the total acreage.

Permeability of this Bandon soil is moderate above the cemented layer, very slow through it, and moderately rapid below it. Available water capacity is about 2 to 6 inches. Effective rooting depth is 18 to 36 inches. Runoff is slow, and the hazard of water erosion is slight. The hazard of soil blowing is severe.

This unit is used mainly for timber production, wildlife habitat, and homesite development. It is also used for pasture and recreation.

This unit is suited to the production of Douglas fir. Among the other species that grow on this unit are Sitka Spruce, western hemlock, red alder, and western red cedar. The understory vegetation is mainly salal, evergreen huckleberry, western brackenfern, and Pacific waxmyrtle.

On the basis of a 100-year site curve, the mean site index for Douglas fir is 137. At the culmination of the mean annual increment (MNAI), the production of 60-year-old Douglas fir trees 1.5 inches in diameter or more at breast height is 140 cubic feet per acre per year. On the basis of a 50-year site curve, the mean site index for Douglas fir is 105. High winds from the Pacific Ocean may seriously limit the growth of trees unless they are in a protected area.

The main limitations for the management of timber on this unit are the hazard of windthrow and plant competition. Windthrow is a hazard when the soil is wet and winds are strong. When openings are made in the canopy, invading brushy plants can delay natural reforestation. Undesirable plants reduce natural or artificial reforestation unless intensive site preparation and maintenance are provided. Reforestation can be accomplished by planting Douglas fir, western hemlock, and Sitka spruce seedlings.

If this unit is used for homesite development, the main limitation is the very slow permeability, which limits use of septic tank absorption fields. Because of the very slow permeability of the cemented layer, onsite sewage disposal systems often fail or do not

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

function properly during periods of high rainfall. The limitation of very slow permeability can be overcome by increasing the size of the absorption field.

If this unit is used for pasture, the main limitation is droughtiness in summer. Supplemental irrigation is needed for maximum production. Sprinkler irrigation is a suitable method of applying water. Use of this method permits the even, controlled application of water. Water should be applied in amounts sufficient to wet the root zone but small enough to minimize the leaching of plant nutrients. Applications of water should be adjusted to the available water capacity, the water intake rate, and crop needs.

Fertilizer is needed to ensure optimum growth of grasses and legumes. Grasses respond to nitrogen, and legumes respond to sulfur and phosphorus. Proper stocking rates and pasture rotation help to keep the pasture in good condition and to protect the soil from erosion. Periodic mowing and clipping help to maintain uniform growth, discourage selective grazing, and reduce clumpy growth.

If this unit is used for recreational development, the main limitation is the very slow permeability. The use of recreational facilities may be restricted during wet periods unless the cemented layer is ripped to permit more rapid internal drainage.

This map unit is in capability subclass IIIe.

1C-Bandon sandy loam, 7 to 12 percent slopes. This deep, well drained soil is on dissected marine terraces. It formed in sandy marine deposits. The native vegetation is mainly conifers, shrubs, forbs, and hardwoods. Elevation is 25 to 300 feet. The average annual precipitation is 55 to 75 inches, the average annual air temperature is 51 to 53°F, and the average frost-free period is 200 to 240 days.

Typically, the surface is covered with a mat of decomposed organic litter 1 inch thick. The surface layer is dark grayish brown sandy loam 5 inches thick. The upper 25 inches of the subsoil is dark reddish brown sandy loam and loam, and the lower 13 inches is pale brown, cemented, sandy material. The substratum to a depth of 60 inches or more is a yellowish brown loam.

Included in this unit are areas of Blacklock and Bullards soils. Included areas make up about 20 percent of the total acreage.

Permeability of this Bandon soil is moderate above the cemented layer, very slow through it, and moderately rapid below it. Available water capacity is about 2 to 6 inches. Effective rooting depth is 18 to 36 inches. Runoff is medium, and the hazard of water erosion is moderate. The hazard of soil blowing is severe.

This unit is used mainly for timber production, wildlife habitat, and homesite development. It is also used for pasture and recreation.

This unit is suited to the production of Douglas fir. Among the other species that grow on this unit are Sitka Spruce, western hemlock, red alder, and western red cedar. The

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

understory vegetation is mainly salal, evergreen huckleberry, western brackenfern, and Pacific waxmyrtle.

On the basis of a 100-year site curve, the mean site index for Douglas fir is 137. At the culmination of the mean annual increment (MNAI), the production of 60-year-old Douglas fir trees 1.5 inches in diameter or more at breast height is 140 cubic feet per acre per year. On the basis of a 50-year site curve, the mean site index for Douglas fir is 105. High winds from the Pacific Ocean may seriously limit the growth of trees unless they are in a protected area.

The main limitations for the management of timber on this unit are the hazard of windthrow and plant competition. Windthrow is a hazard when the soil is wet and winds are strong. When openings are made in the canopy, invading brushy plants can delay natural reforestation. Undesirable plants reduce natural or artificial reforestation unless intensive site preparation and maintenance are provided. Reforestation can be accomplished by planting Douglas fir, western hemlock, and Sitka spruce seedlings.

If this unit is used for homesite development, the main limitation is the very slow permeability, which limits use of septic tank absorption fields. Because of the very slow permeability of the cemented layer, onsite sewage disposal systems often fail or do not function properly during periods of high rainfall. The limitation of very slow permeability can be overcome by increasing the size of the absorption field.

If this unit is used for pasture, the main limitation is droughtiness in summer. Supplemental irrigation is needed for maximum production. Sprinkler irrigation is a suitable method of applying water. Use of this method permits the even, controlled application of water. Water should be applied in amounts sufficient to wet the root zone but small enough to minimize the leaching of plant nutrients. Applications of water should be adjusted to the available water capacity, the water intake rate, and crop needs.

Fertilizer is needed to ensure optimum growth of grasses and legumes. Grasses respond to nitrogen, and legumes respond to sulfur and phosphorus. Proper stocking rates and pasture rotation help to keep the pasture in good condition and to protect the soil from erosion. Periodic mowing and clipping help to maintain uniform growth, discourage selective grazing, and reduce clumpy growth.

If this unit is used for recreational development, the main limitation is the very slow permeability. The use of recreational facilities may be restricted during wet periods unless the cemented layer is ripped to permit more rapid internal drainage.

This map unit is in capability subclass IIIe.

3-Beaches: Beaches consists of areas of loose sand and shell fragments that have been worked and reworked by the waves, tides, and wind and are still subject to such action. Most of these areas are along the shore of the Pacific Ocean, but small areas are along the estuaries of major streams that flow into the ocean. Slope is 1 to 8 percent. Areas of beaches are barren of vegetation. Elevation is 0 to 10 feet.

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

Typically, areas of Beaches are sand, but gravel may be exposed during storms in winter. A few areas of Beaches at the base of sea cliffs are covered with rounded cobbles and stones.

Included in this unit are small areas of Waldport and Bullards soils and Rock outcrop. Included areas make up about 15 percent of the total acreage.

This unit is used for recreation activities such as surf fishing, beachcombing, and clam digging.

This map unit is in capability subclass VIIIw.

5B-Blacklock fine sandy loam, 3 to 7 percent slopes. This deep, poorly drained soil is in depressional areas on marine terraces. It formed in sandy marine deposits. The native vegetation is mainly conifers, shrubs, forbs, and sedges. Elevation is 25 to 350 feet. The average annual precipitation is 55 to 75 inches, the average annual air temperature is 51 to 53 degrees F, and the average frost-free period is 200 to 240 days.

Typically, the surface is covered with a mat of organic litter 1 inch thick. The surface layer is black and very dark gray fine sandy loam 9 inches thick. The subsurface layer is gray fine sandy loam 4 inches thick. The upper 2 inches of the subsoil is black mucky loam, and the lower 37 inches is mottled, strong brown to yellowish brown, cemented sand. The substratum to a depth of 75 inches or more is mottled, light olive brown sand.

Included in this unit are small areas of Bandon, Bullards, and Heceta soils. Included areas make up about 25 percent of the total acreage. The percentage varies from one area to another.

Permeability of this Blacklock soil is moderate above the cemented layer, very slow through it, and moderately rapid below it. Available water capacity is about 1.5 to 3.5 inches. Effective rooting depth is 12 to 24 inches. Runoff is very slow, and the hazard of water erosion is slight. The water table fluctuates from 6 inches above the surface to 30 inches below the surface from October to May.

This unit is used mainly for timber production and wildlife habitat. It is also used for cranberry production and recreation.

This unit is suited to the production of shore pine. Among the other species that grow on this unit are Sitka spruce, western hemlock, and Port Orford cedar. The understory vegetation is mainly salal, evergreen huckleberry, Pacific rhododendron, manzanita, and slough sedge.

On the basis of a 100-year site curve, the mean site index for shore pine is 90. At the culmination of the mean annual increment (CMAI), the production of 60-year-old shore pine trees 1.5 inches in diameter or more at breast height is 79 cubic feet per acre per year. High winds from the Pacific Ocean may seriously limit the growth of trees unless they are in a protected area.

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

The main limitations for the management of timber on this unit are seasonal wetness and the hazard of windthrow. The seasonal high water table limits the use of equipment to dry periods. Because roots are restricted by the cemented layer, trees commonly are subject to windthrow

Reforestation can be accomplished by planting shore pine, Sitka spruce, and western hemlock seedlings. Tree seedlings have only a moderate rate of survival because of the seasonal high water table.

Irrigation and drainage are needed if the soil in this unit is intensively managed for cranberry production. Fields are prepared by removing the soil material above the cemented layer and replacing it with about 10 inches of sandy soil material. The top of the cemented layer should be graded toward the edge of the field to provide internal drainage. Open ditches and dikes are needed around the edge of fields to provide drainage and to control the water level; however, open ditches should not extend into the cemented layer.

Sprinkler irrigation is an efficient method of applying water during the dry period in summer. Sprinklers can also be used to control the temperature in summer, to prevent frost damage during winter, and to apply fertilizer pesticides, and herbicides.

The very slow permeability of the cemented layer facilitates water management by preventing excessive seepage and reduces losses of fertilizer and soil amendments. Excessive seepage may occur in the sandy substratum. Yields vary greatly depending on management practices. Because of the steepness of slope, deep cuts and fills may be necessary to provide level fields. Excessive seepage may occur if cuts are made below the cemented layer.

If this unit is used for recreational development, the main limitations are wetness and the very slow permeability. Water perched above the cemented layer may limit the use of recreational facilities to 3 or 4 months during the dry period. Drainage should be provided for paths and trails. Septic tank absorption fields do not function properly because of the seasonal high water table and the cemented layer. If sanitary facilities are constructed on this unit, holding tanks or effluent treatment systems should be used.

This map unit is in capability subclass VIw.

8B-Bullards sandy loam, 0 to 7 percent slopes. This deep, well drained soil is on dissected marine terraces. It formed in mixed eolian and marine deposits. The native vegetation is mainly conifers, shrubs, forbs, and hardwoods. Elevation is 50 to 600 feet. The average annual precipitation is 55 to 75 inches, the average annual air temperature is 51 to 53 degrees F, and the average frost-free period is 200 to 240 days.

Typically, the surface is covered with a mat of undecomposed organic matter 3 inches thick. The surface layer is very dark grayish brown sandy loam 7 inches thick. The subsoil is dark reddish brown to dark brown and strong brown gravelly sandy loam 34 inches thick. The substratum to a depth of 60 inches or more is yellowish brown sand.

RECEIVED

JAN - 9 1998

WATER RESOURCES DEPT.
SALEM, OREGON

Included in this unit are small areas of Blacklock and Bandon soils. Also included are small areas of Templeton soils. Included areas make up about 25 percent of the total acreage.

Permeability of this Bullards soil is moderate. Available water capacity is about 4.0 to 5.5 inches. Effective rooting depth is 60 inches or more. Runoff is slow. and the hazard of water erosion is slight. The hazard of soil blowing is severe.

This unit is used mainly for timber production, wildlife habitat, and homesite development. It is also used for pasture and recreation.

This unit is suited to the production of Douglas fir. Among the other species that grow on this unit are Sitka spruce, western hemlock, western red cedar, shore pine, and red alder. The understory vegetation is mainly evergreen huckleberry, creambush oceanspray, salal, Pacific rhododendron, cascara, and western sword fern.

On the basis of a 100-year site curve, the mean site index for Douglas fir is 132. At the culmination of the mean annual increment (CMAI), the production of 60-year-old Douglas fir trees 1.5 inches in diameter or more at breast height is 133 cubic feet per acre per year. On the basis of a 50-year site curve, the mean site index for Douglas fir is 105.

The main limitations for the management of timber on this unit are the hazard of windthrow and plant competition. Careful use of wheeled and tracked equipment reduces the disturbance of the protective layer of duff. Maintaining the understory is essential in controlling erosion. Logging roads require suitable surfacing for year-round use. Rock for road construction is not readily available in this unit.

Windthrow is a hazard when the soil is wet and winds are strong. When openings are made in the canopy, invading brushy plants can delay natural reforestation. Undesirable plants reduce natural or artificial reforestation unless intensive site preparation and maintenance are provided. Reforestation can be accomplished by planting Douglas fir, Sitka spruce, and western hemlock seedlings.

Fertilizer is needed to ensure optimum growth of grasses and legumes. Grasses respond to nitrogen, and legumes respond to sulfur and phosphorus. Proper stocking rates and pasture rotation help to keep the pasture in good condition and to protect the soil from erosion. Periodic mowing and clipping help to maintain uniform growth, discourage selective grazing, and reduce clumpy growth.

If this unit is used for homesite development, the main limitation is droughtiness in summer. In summer, irrigation is needed for lawn grasses, shrubs, vines, shade trees. and ornamental trees.

If this unit is used for pasture, the main limitation is droughtiness in summer. Supplemental irrigation is needed for maximum production. Sprinkler irrigation is a suitable method of applying water. Use of this method permits the even, controlled application of water. Water should be applied in amounts sufficient to wet the root zone but small enough to minimize the leaching of plant nutrients. Applications of water

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.

should be adjusted to the available water capacity, the water intake rate, and the crop needs.

This unit is well suited to recreational development. It has few limitations.

This map unit is in capability subclass IIIe.

8C-Bullards sandy loam, 7 to 12 percent slopes. This deep, well drained soil is on dissected marine terraces. It formed in mixed eolian and marine deposits. The native vegetation is mainly conifers, shrubs, forbs, and hardwoods. Elevation is 50 to 600 feet. The average annual precipitation is 55 to 75 inches, the average annual air temperature is 51 to 53 degrees F, and the average frost-free period is 200 to 240 days.

Typically, the surface is covered with a mat of undecomposed organic matter 3 inches thick. The surface layer is very dark grayish brown sandy loam 7 inches thick. The subsoil is dark reddish brown, dark brown, and strong brown gravelly sandy loam 34 inches thick. The substratum to a depth of 60 inches or more is yellowish brown sand.

Included in this unit are small areas of Bandon and Templeton soils. Also included are small areas of Blacklock soils. Included areas make up about 25 percent of the total acreage.

Permeability of this Bullards soil is moderate. Available water capacity is about 4.0 to 5.5 inches. Effective rooting depth is 60 inches or more. Runoff is medium, and the hazard of water erosion is moderate. The hazard of soil blowing is severe.

This unit is used mainly for timber production, wildlife habitat, and homesite development. It is also used for pasture and recreation.

This unit is suited to the production of Douglas fir. Among the other species that grow on this unit are Sitka spruce, western hemlock, western red cedar, shore pine, and red alder. The understory vegetation is mainly evergreen huckleberry, creambush oceanspray, salal, Pacific rhododendron, cascara, and western sword fern.

On the basis of a 100-year site curve, the mean site index for Douglas fir is 132. At the culmination of the mean annual increment (CMAI), the production of 60- year-old Douglas fir trees 1.5 inches in diameter or more at breast height is 133 cubic feet per acre per year. On the basis of a 50-year site curve, the mean site index for Douglas fir is 105.

The main limitations for the management of timber on this unit are the hazard of windthrow and plant competition. Careful use of wheeled and tracked equipment reduces the disturbance of the protective layer of duff.

Proper design of road drainage systems and care in the placement of culverts help to control erosion. Logging roads require suitable surfacing for year-round use. Rock for road construction is not readily available in this unit.

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

Windthrow is a hazard when the soil is wet and winds are strong. When openings are made in the canopy, invading brushy plants can delay natural and artificial reforestation unless intensive site preparation and maintenance are provided. Reforestation can be accomplished by planting Douglas fir, Sitka spruce, and western hemlock seedlings.

If this unit is used for homesite development, the main limitations are slope and droughtiness in summer. Absorption lines should be installed on the contour. In summer, irrigation is needed for lawn grasses, shrubs, vines, shade trees, and ornamental trees.

If this unit is used for pasture, the main limitation is droughtiness in summer. Supplemental irrigation is needed for maximum production. Sprinkler irrigation is a suitable method of applying water. Use of this method permits the even, controlled application of water. Water should be applied in amounts sufficient to wet the root zone but small enough to minimize the leaching of plant nutrients. Applications of water should be adjusted to the available water capacity, the water intake rate, and crop needs.

Fertilizer is needed to ensure optimum growth of grasses and legumes. Grasses respond to nitrogen, and legumes respond to sulfur and phosphorus. Proper stocking rates and pasture rotation help to keep the pasture in good condition and to protect the soil from erosion. Periodic mowing and clipping help to maintain uniform growth, discourage selective grazing, and reduce clumpy growth.

If this unit is used for recreational development, the main limitation is steepness of slope. Slope may restrict some kinds of activities and increase the cost of constructing facilities.

This map unit is in capability subclass IIIe.

8D-Bullards sandy loam, 12 to 30 percent slopes. This deep, well drained soil is on dissected marine terraces. It formed in mixed eolian and marine deposits. The native vegetation is mainly conifers, shrubs, forbs, and hardwoods. Elevation is 50 to 600 feet. The average annual precipitation is 55 to 75 inches, the average annual air temperature is 51 to 53 degrees F, and the average frost-free period is 200 to 240 days.

Typically, the surface is covered with a mat of undecomposed organic matter 3 inches thick. The surface layer is very dark grayish brown sandy loam 7 inches thick. The subsoil is dark reddish brown, dark brown, and strong brown gravelly sandy loam 34 inches thick. The substratum to a depth of 60 inches or more is yellowish brown.

Included in this unit are small areas of Bandon and Templeton soils. Also included are small areas of Blacklock soils in depressional areas. Included areas make up about 25 percent of the total acreage.

Permeability of this Bullards soil is moderate. Available water capacity is about 4.0 to 5.5 inches. Effective rooting depth is 60 inches or more. Runoff is medium, and the hazard of water erosion is moderate. The hazard of soil blowing is severe.

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

This unit is used mainly for timber production, wildlife habitat, and pasture. It is also used for recreation.

This unit is suited to the production of Douglas fir. Among the other species that grow on this unit are Sitka spruce, western hemlock, western red cedar, shore pine, and red alder. The understory vegetation is mainly evergreen huckleberry, creambush ocean-spray, salal, Pacific rhododendron, cascara, and western sword fern.

On the basis of a 100-year site curve, the mean site index for Douglas fir is 132. At the culmination of the mean annual increment (CMAI), the production of 60- year-old Douglas fir trees 1.5 inches in diameter or more at breast height is 133 cubic feet per acre per year. On the basis of a 50-year site curve, the mean site index for Douglas fir is 105.

The main limitations for the management of timber on this unit are the hazard of erosion, the hazard of windthrow, and plant competition. Careful use of wheeled and tracked equipment reduces the disturbance of the protective layer of duff. Steep yarding paths, skid trails, and firebreaks are subject to rilling and gullying unless they are provided with adequate water bars or are protected by plant cover, or both. Proper design of road drainage systems and care in the placement of culverts help to control erosion. Logging roads require suitable surfacing for year-round use. Rock for road construction is not readily available in this unit.

Windthrow is a hazard when the soil is wet and winds are strong. When openings are made in the canopy, invading brushy plants can delay natural reforestation. Undesirable plants reduce natural or artificial reforestation unless intensive site preparation and maintenance are provided. Reforestation can be accomplished by planting Douglas fir, Sitka spruce, and western hemlock seedlings.

If this unit is used for pasture, the main limitation is droughtiness in summer. Supplemental irrigation is needed for maximum production. Sprinkler irrigation can be used in the less sloping areas of the unit. Use of this method permits the even, controlled application of water, reduces runoff, and minimizes the risk of erosion. Applications of water should be adjusted to the available water capacity, the water intake rate, and the crop needs. Fertilizer is needed to ensure optimum growth of grasses and legumes. Grasses respond to nitrogen, and legumes respond to sulfur and phosphorus. Proper stocking rates and pasture rotation help to keep the pasture in good condition and to protect the soil from erosion.

If this unit is used for recreational development, the main limitations are steepness of slope and the hazard of erosion. Slope limits the type of recreational facilities that are suited to the unit. The risk of erosion is increased if the soil is left exposed during site development. Erosion and sedimentation can be controlled and the beauty of the area enhanced by maintaining adequate plant cover.

This map unit is in capability subclass IVe.

8E-Bullards sandy loam, 30 to 50 percent slopes. This deep, well drained soil is on dissected marine terraces. It formed in mixed eolian and marine deposits. The native

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

vegetation is mainly conifers, shrubs, forbs, and hardwoods. Elevation is 50 to 600 feet. The average annual precipitation is 55 to 75 inches, the average annual air temperature is 51 to 53 degrees F, and the average frost-free period is 200 to 240 days.

Typically, the surface is covered with a mat of undecomposed organic matter 3 inches thick. The surface layer is very dark grayish brown sandy loam 7 inches thick. The subsoil is dark reddish brown, dark brown, and strong brown gravelly sandy loam 34 inches thick. The substratum to a depth of 60 inches or more is yellowish brown sand.

Included in this unit are small areas of Templeton soils. Included areas make up about 20 percent of the total acreage. The percentage varies from area to area.

Permeability of this Bullards soil is moderate. Available water capacity is about 4.0 to 5.5 inches. Effective rooting depth is 60 inches or more. Runoff is rapid, and the hazard of water erosion is high. The hazard of soil blowing is severe.

This unit is used mainly for timber production and wildlife habitat. It is also used for recreation.

This unit is suited to the production of Douglas fir. Among the other species that grow on this unit are Sitka spruce, western hemlock, western red cedar, shore pine, and red alder. The understory vegetation is mainly evergreen huckleberry, creambush oceanspray, salal, Pacific rhododendron, cascara, and western sword fern.

On the basis of a 100-year site curve, the mean site index for Douglas fir is 132. At the culmination of the mean annual increment (CMAI), the production of 60 year-old Douglas fir trees 1.5 inches in diameter or more at breast height is 133 cubic feet per acre per year. On the basis of a 50-year site curve, the mean site index for Douglas fir is 105. High winds from the Pacific Ocean may seriously limit the growth of trees unless they are in a protected area.

The main limitations for the management of timber on this unit are steepness of slope, the hazard of erosion, the hazard of windthrow, and plant competition. Careful use of wheeled and tracked equipment reduces the disturbance of the protective layer of duff. Highlead or other logging systems that fully or partially suspend logs damage the soil less and generally are less costly than tractor systems.

Proper design of road drainage systems and care in the placement of culverts help to control erosion. Cut and fill areas are subject to erosion unless treated. Seeding, mulching, benching, and compacting the soil can reduce erosion. Logging roads require suitable surfacing for year-round use. Rock for road construction is not readily available in this unit. Steep yarding paths, skid trails, and firebreaks are subject to rilling and gullying unless they are provided with adequate water bars or are protected by plant cover, or both.

Windthrow is a hazard when the soil is wet and winds are strong. When openings are made in the canopy, invading brushy plants can delay natural reforestation. Undesirable plants reduce natural or artificial reforestation unless intensive site preparation and

RECEIVED
JAN - 9 1993
WATER RESOURCES DEPT.
SALEM, OREGON

maintenance are provided. Reforestation can be accomplished by planting Douglas fir, Sitka spruce, and western hemlock seedlings.

If this unit is used for recreational development, the main limitations are slope and the hazard of erosion. Slope limits the use of areas of this unit mainly to a few paths and trails, which should extend across the slope. The risk of erosion is increased if the soil is left exposed during site development. Revegetating disturbed areas around construction sites as soon as feasible helps to control erosion.

This map unit is in capability subclass VIe.

16-Dune land: Dune land consists mainly of hills and ridges of shifting fine and medium textured sand. It formed in eolian deposits derived dominantly from deflation basins adjacent to coastal beaches. Slope is 0 to 30 percent. Areas of Dune land do not support vegetation. Elevation is 5 to 100 feet. The average annual air temperature is 51 to 53 degrees F, and the average frost-free period is 200 to 240 days.

Included in this unit are small areas of Waldport soils, some of which have a thin surface layer, and Heceta soils. Included areas make up about 20 percent of the total acreage.

Permeability of Dune land is very rapid. Runoff is slow, and the hazard of water erosion is slight. The hazard of soil blowing is severe.

This unit is used for recreation. The hazard of soil blowing and the instability of the areas limit the unit for most kinds of recreational development. It is suitable for low-intensity uses such as hiking and horseback riding and for off-road vehicle traffic.

This map unit is in capability subclass VIIIe.

28-Heceta fine sand. This deep, poorly drained soil is in deflation basins and depressional areas between dunes. It formed in eolian material. Slopes are 0 to 3 percent. The native vegetation is mainly sedges, rushes, water-tolerant grasses, and shrubs. Elevation is 0 to 80 feet. The average annual precipitation is 50 to 70 inches, the average annual air temperature is 51 to 53 degrees F, and the average frost-free period is 200 to 240 days.

Typically, the surface layer is very dark grayish brown fine sand 4 inches thick. The substratum to a depth of 60 inches or more is mottled, grayish brown sand.

Included in this unit are small areas of Waldport and Netarts soils and Dune land. Included areas make up about 20 percent of the total acreage. The percentage varies from one area to another.

Permeability of this Heceta soil is rapid. Available water capacity is about 1 to 2 inches. Effective rooting depth is 60 inches for water-tolerant plants, but it is limited by the water table for non-water-tolerant plants. Runoff is ponded, and the hazard of water erosion is slight. The water table fluctuates from 12 inches above the surface to 6 inches below the surface from October to May.

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

This unit is used for recreation and wildlife habitat. If this unit is used for recreational development, the main limitation is wetness. Use of paths and trails may be limited to 2 or 3 months in summer.

This map unit is in capability subclass IVw.

29B-Heceta-Waldport fine sands, 0 to 7 percent slopes. This map unit is on deflation plains and small dunes (fig. 10). The native vegetation is mainly rushes, sedges, and shrubs on the Heceta soil, and grasses and shrubs on the Waldport soil. Elevation is 0 to 40 feet. The average annual precipitation is 50 to 70 inches, the average annual air temperature is 51 to 53 degrees F, and the average frost-free period is 200 to 240 days.

This unit is 55 percent Heceta fine sand and 25 percent Waldport fine sand. The Heceta soil is on nearly level deflation plains, and the Waldport soil is on small, stabilized sand dunes. The components of this unit are so intricately intermingled that it was not practical to map them separately at the scale used.

Included in this unit are small areas of Dune land. Also included are small areas of Yaquina soils. Included areas make up about 20 percent of the total acreage.

The Heceta soil is deep and poorly drained. It formed in eolian material. Slope is 0 to 3 percent. Typically, the surface layer is very dark grayish brown fine sand 4 inches thick. The substratum to a depth of 60 inches or more is mottled, grayish brown sand.

Permeability of the Heceta soil is rapid. Available water capacity is about 1 to 2 inches. Effective rooting depth is 60 inches for water-tolerant plants, but it is limited by the water table for non-water-tolerant plants. Runoff is ponded, and the hazard of water erosion is slight. The water table fluctuates from 12 inches above the surface to 6 inches below the surface from October to May.

The Waldport soil is deep and excessively drained. It formed in eolian deposits. Slope is 0 to 7 percent. Typically, the surface layer is very dark grayish brown fine sand 4 inches thick. The substratum to a depth of 60 inches or more is dark yellowish brown fine sand.

Permeability of the Waldport soil is very rapid. Available water capacity is about 3 to 4 inches. Effective rooting depth is 60 inches or more. Runoff is very slow, and the hazard of water erosion is slight. The hazard of soil blowing is severe.

This unit is used for recreation and wildlife habitat.

If this unit is used for recreational development, the main limitations are wetness of the Heceta soil and the hazard of soil blowing on the Waldport soil. Use of this unit is restricted mainly to low-intensity types of recreation, such as hiking and horseback riding. The unit can also be used for other kinds of recreational activities that require a minimum of construction and soil disturbance. The Heceta soil is ponded in winter; therefore, use of paths and trails constructed on this soil is limited to summer. Areas used for recreation can be protected from soil blowing by maintaining plant cover.

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

This map unit is in capability subclass VIIe.

59E-Waldport fine sand, 30 to 70 percent slopes. This deep, excessively drained soil is on stabilized sand dunes. It formed in eolian deposits. The native vegetation is mainly conifers, shrubs, grasses, and forbs. Elevation is 10 to 160 feet. The average annual precipitation is 50 to 70 inches, the average annual air temperature is 51 to 53 degrees F, and the average frost-free period is 200 to 240 days.

Typically, the surface layer is very dark grayish brown and brown fine sand 7 inches thick. The underlying material to a depth of 60 inches or more is dark yellowish brown fine sand.

Included in this unit are small areas of Dune land. Also included are small areas of Netarts and Heceta soils. Included areas make up about 25 percent of the total acreage.

Permeability of this Waldport soil is very rapid. Available water capacity is about 3 to 4 inches. Effective rooting depth is 60 inches or more. Runoff is very slow, and the hazard of water erosion is moderate. The hazard of soil blowing is severe.

This unit is used for timber production and wildlife habitat.

This unit is suited to the production of shore pine. Among the other species that grow on this unit are western hemlock, Sitka spruce, and Douglas fir. The understory vegetation is mainly Pacific rhododendron, salal, red huckleberry, evergreen huckleberry, and European beachgrass.

On the basis of a 100-year site curve, the mean site index for shore pine is 90. At the culmination of the mean annual increment (CMAI), the production of 60 year-old shore pine trees 1.5 inches in diameter or more at breast height is 79 cubic feet per acre per year. High winds from the Pacific Ocean may seriously limit the growth of trees unless they are in a protected area.

The main limitations for the management of timber on this unit are the hazard of erosion, seedling mortality, and plant competition. Careful use of wheeled and tracked equipment reduces the disturbance of the protective layer of duff. The risk of soil blowing increases if the timber is harvested or the understory is removed. Conventional methods can be used for harvesting timber, but use of skid trails can accelerate erosion. Steepness of slope restricts the use of wheeled and tracked equipment on skid trails. Cable yarding generally is safer and disturbs the soil less.

Proper design of road drainage systems and care in the placement of culverts help to control erosion. Seeding cuts and fills helps to stabilize the soil and reduces soil blowing. Road location and maintenance costs are greater in the more steeply sloping areas. Material cast to the side when building roads can damage vegetation. It is also a potential source of sedimentation. End hauling of waste material minimizes damage to the vegetation down slope and reduces the potential for sedimentation. Windthrow is a hazard when the soil is wet and winds are strong.

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

When openings are made in the canopy, invading brushy plants can delay natural reforestation. Undesirable plants reduce adequate natural or artificial reforestation. Intensive site preparation and maintenance generally are not needed. Reforestation can be accomplished by planting shore pine and Sitka spruce seedlings. Droughtiness increases seedling mortality.

This map unit is in capability subclass VIIe.

61 D-Waldport-Heceta fine sands, 0 to 30 percent slopes. This map unit is mainly on stabilized sand dunes and in depressional areas between sand dunes. Some areas are on deflation basins. The native vegetation is mainly conifers, shrubs, grasses, and forbs on the Waldport soil and sedges, rushes, water-tolerant grasses, and shrubs on the Heceta soil. Elevation is 0 to 80 feet. The average annual precipitation is 50 to 70 inches, the average annual air temperature is 51 to 53 degrees F, and the average frost-free period is 200 to 240 days.

This unit is 50 percent Waldport fine sand and 30 percent Heceta fine sand. The Waldport soil is on stabilized sand dunes, and the Heceta soil is in interdunal swales and depressional areas. The components of this unit are so intricately intermingled that it was not practical to map them separately at the scale used.

Included in this unit are small areas of Netarts and Yaquina soils and Dune land. Included areas make up about 20 percent of the total acreage.

On the basis of a 100-year site curve, the mean site index for shore pine is 90 on the Waldport soil. At the culmination of the mean annual increment (CMAI), the production of 60-year-old shore pine trees 1.5 inches in diameter or more at breast height is 79 cubic feet per acre per year. High winds from the Pacific Ocean may seriously limit the growth of trees unless they are in a protected area.

The main limitations for the management of timber on this soil are seedling mortality and plant competition. Careful use of wheeled and tracked equipment reduces the disturbance of the protective layer of duff. The risk of soil blowing increases if the timber is harvested or the understory is removed. Conventional methods can be used for harvesting timber, but use of skid trails can accelerate erosion.

The Waldport soil is deep and excessively drained. It formed in eolian deposits. Slope is 7 to 30 percent. Typically, the surface layer is very dark grayish brown and brown fine sand 7 inches thick. The substratum to a depth of 60 inches or more is dark yellowish brown fine sand.

Permeability of the Waldport soil is very rapid. Available water capacity is about 3 to 4 inches. Effective rooting depth is 60 inches or more. Runoff is very slow, and the hazard of water erosion is slight. The hazard of soil blowing is severe.

The Heceta soil is deep and poorly drained. It formed in eolian material. Slope is 0 to 3 percent. Typically, the surface layer is very dark grayish brown fine sand 4 inches thick. The substratum to a depth of 60 inches or more is mottled, grayish brown sand.

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

Permeability of the Heceta soil is rapid. Available water capacity is about 1 inch to 2 inches. Effective rooting depth is 60 inches for water-tolerant plants, but it is limited by the water table for non-water-tolerant plants. Runoff is ponded, and the hazard of water erosion is slight. The water table fluctuates from 12 inches above the surface to 6 inches below the surface from October to May.

The Waldport soil in this unit is used mainly for timber production, and the Heceta soil is used mainly for wildlife habitat. The unit is also used for recreation.

The Waldport soil is suited to the production of shore pine. Other species that grow on this soil include western hemlock, Sitka spruce, and Douglas fir. The understory vegetation is mainly Pacific rhododendron, salal, red huckleberry, evergreen huckleberry, and European beachgrass. The Heceta soil is poorly suited to the production of timber. The vegetation on this soil is mainly slough sedge, salt rush, coast willow, waxmyrtle, evergreen huckleberry, and salal.

Proper design of road drainage systems and care in the placement of culverts help to control erosion. Seeding cuts and fills helps to stabilize the soil and reduce soil blowing. Windthrow is a hazard when the soil is wet and winds are strong.

When openings are made in the canopy, invading brushy plants can delay natural reforestation. Undesirable plants reduce adequate natural or artificial reforestation. Intensive site preparation and maintenance generally are not needed. Reforestation can be accomplished by planting shore pine and Sitka spruce seedlings. Droughtiness increases seedling mortality.

If this unit is used for recreational development, the main limitations are the hazard of soil blowing, the instability of the Waldport soil, and the wetness of the Heceta soil. These limitations restrict the use of this unit mainly to low-intensity types of recreation, such as hiking and horseback riding. The unit can be used for other kinds of recreational activities that require a minimum of construction and soil disturbance. Areas used for recreation can be protected from soil blowing by maintaining plant cover. Plant cover can be maintained by limiting traffic. Excavation for houses and access roads exposes material that is highly susceptible to soil blowing. Revegetating disturbed areas around construction sites as soon as feasible helps to control soil blowing.

Roads, paths, and trails are difficult to maintain because of the loose sand. Cutbanks are not stable and are subject to slumping.

Wetness limits most recreational development on the Heceta soil. Use of paths and trails may be limited to 2 to 3 months in summer. Drainage is impractical because of the lack of suitable outlets.

This map unit is in capability subclass VIIe.

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

EGR & Associates, Inc.
Engineers, Geologists and Surveyors

2545K Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

RECEIVED
JAN 31 1997
WATER RESOURCES DEPT.
SALEM, OREGON

January 29, 1997

Mr. Jake Szramek
Water Rights Examiner
Oregon Water Resources Department
Commerce Building
158 12th Street NE
Salem, Oregon 97310-0210

RE: G-13577

Dear Mr. Szramek:

We request that the Water Right Permit for Bandon Coastal Dunes include provisions for irrigating the golf courses during the non-irrigation season. This watering will be for freeze protection of the fragile turf of the tees and greens, and occasional watering of turf for winter growth and other pest management needs. In the Bandon area the growing season is year round and some modest watering will be necessary beyond the usual irrigation season. We understand the annual duty will remain 2.5 feet annually.

1. BCD will need to irrigate in all months of the year, though irrigation quantities will be minimal in the winter season. Requested irrigation dates January 1 through December 31.

2. Expected use during the November 1 through April 30 period will be 0.5 acre feet per acre or less. The total duty will be 2.5 acre feet per acre annually.

3. The irrigation need is for the golf course turf and landscaping during freeze periods, for pest management, and occasional light setting of fertilizer during the winter growing season. In the Bandon area there is a year round growing season.

4. The soil types are all sandy soils of Waldport - Heceta Fine Sand, Bullards Sandy Loam, and other excessively drained soils. These soils also can require some supplemental irrigation during unusual dry months in the off irrigation season. Primary use will be for pest control, light fertilizer application, freeze protection, and only rarely for water application as irrigation water.

5. Measuring of the soil moisture profile is not relevant to this request.

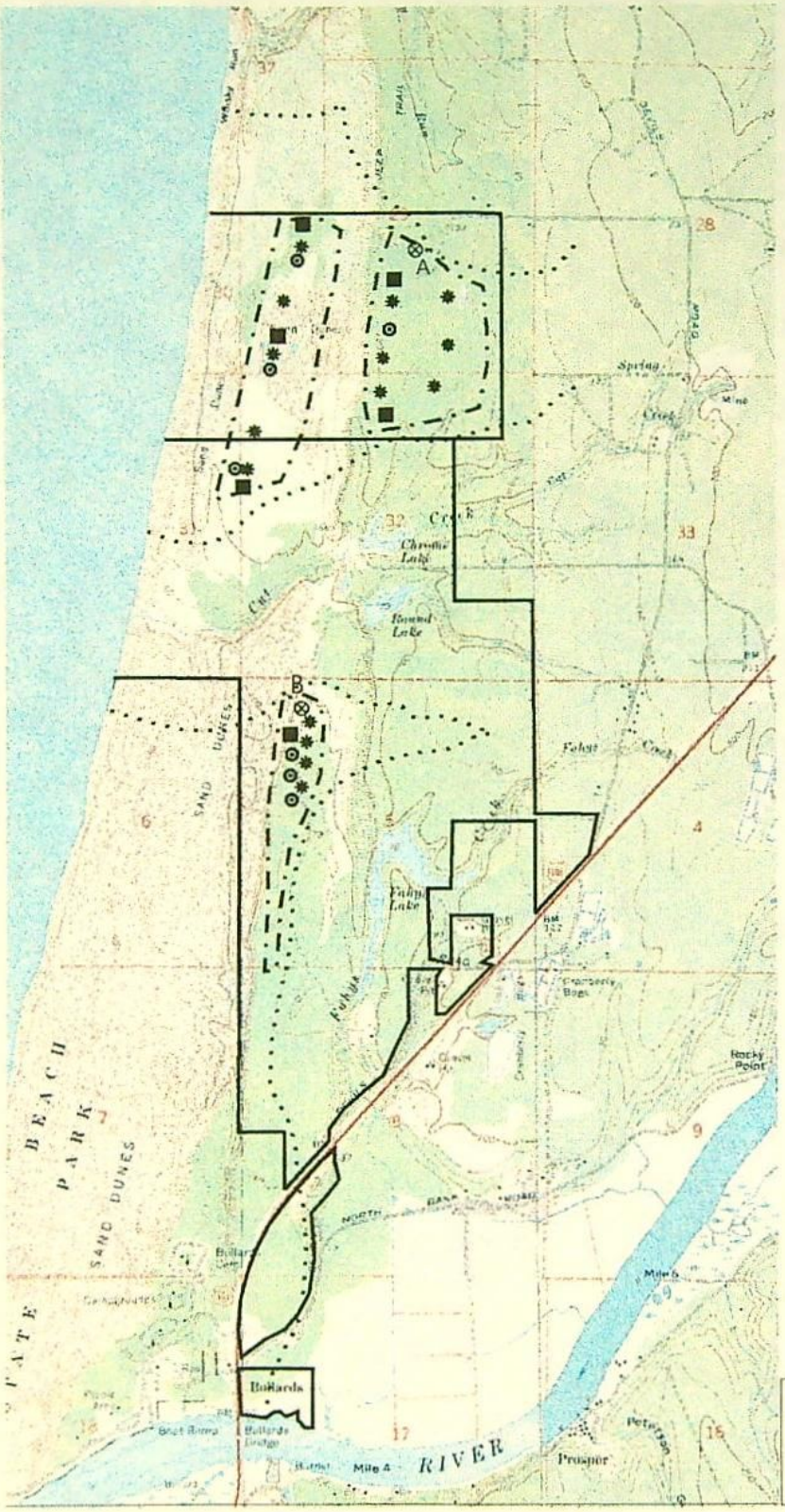
Use of this water will not have an impact on any surface stream in any meaningful way with the no water rights being infringed upon, low water use, and high volume of stream flow during this period.

Sincerely,

Ralph Christ

Ralph W. Christensen RG
Principal Geologist

G-13577



N

1 inch = 3,000 feet

- ⊗ Existing Well
- ⊙ Potential Location of Drilled Well
- ✱ Potential Location of Sump Well
- ■ Potential Location of Excavated Reservior

Approximate Property Lines

1/4 Mile Line from Surface Water

Alternative Well Placement Area

EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road,
Eugene, Oregon 97402
(503) 688-8322

EGR & Associates, Inc.
Engineers, Geologists and Surveyors

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

May 27, 1997

Jake Szramck,
Water Rights Specialist
Oregon Water Resources Department
158 12th Street NE
Salem, Oregon 97310-0210

RE: G-13577, Bandon Coastal Dunes, Limited Partnership

Dear Mr. Szramck:

This letter is in response to our conversation of May 1, 1997, and a conversation with Mr. Woodcock on that same date. We are requesting a modification of Water Right Application G-13577 to reflect a lower total requested pumping rate; a further refinement and clarification of the points of diversion as outlined in the March 25, 1997, letter; and a modification to the location of the requested irrigated lands.

We have prepared a new area map which identifies potential well sites (both sump and conventional wells), potential excavated reservoir sites, and the existing wells which might be used on the properties. The property lines, as outlined on the map, are contiguous and under the control of the same owner. The location of the "¼ mile" line from fresh surface water sources is also identified on the maps for reference. We have also identified the areas within which we propose that individual sump wells or conventional wells, as previously identified, may be moved or placed to avoid wetlands, cultural features, poor production areas, access problems, and other technical considerations.

We expect that each conventional and sump will produce between 60 and 80 gpm. We have also been told by Jim Mack, of Bandon Well and Pump, that a properly screened conventional well that fully penetrates the available sand aquifer might produce as much as 100 to 200 gpm. A test well on the terrace in the area of the first golf course is currently planned.

The existing well identified to toward the north end of the property (labeled "A" on the area map) is the David Shuman well. This well produces about 50 gpm according to a recent pumping test (test results attached). No water right associated with this property has been identified to date. The existing well labeled "B" in the center of the property is the 120 foot deep exploration well

drilled for this project. The most recent long term pumping test on this well (5 days long) indicated a continuous production of 80 gpm was possible (test results attached). These wells will be preferentially used for domestic/commercial uses. If necessary water from sump wells will be treated as surface water for domestic use should the drilled wells fail to sustain adequate flows.

A separate map is also attached which indicates the additional areas of irrigation use. The new points of use are on lands to the north and east of the previously requested points of use, and are to be used for irrigation of pasture grasses (which will help control gorse). These additional lands are under the same ownership. The actual ground to be irrigated will be determine in the proof survey since the layout of the irrigation system is still changing. The total acres of irrigation now outlined is 500 acres. The original application requested 300 acres of irrigation.

The total quantity of water now requested is hereby reduced to 3.55 cfs from the originally requested 5.88 cfs, allocated as follows:

- 0.46 cfs for domestic and commercial uses associated with the Destination Resort as prescribed under Oregon Law and Coos County Ordinance.

- 2.32 cfs for irrigation on 300 acres of golf courses and landscaping (as previously requested) associated with the Destination Resort. The water will be pumped from several drilled and sump wells to one or more excavated reservoirs (located on the terrace near the first golf course) where it will be distributed to the golf courses. Additional excavated reservoirs will be constructed as necessary near the points of use.

- 0.77 cfs for irrigation on 200 acres of pasture, grass lands, and nursery areas for control of gorse, grazing, and plant propagation. These areas are north of the Destination Resort area. Water will be delivered through the same water collection, storage, and distribution system as listed above.

Thus a total of 3.55 cfs (1595 gpm) is requested for 500 acres or 1/140 of a cfs per acre. Actual irrigation application rates will approach 1/80th of a CFS per acre but will come from the storage reservoirs. Ground water pumping will be within the parameters of the permit but will be on a more continuous basis.

If I can provide any further clarification please let me know.

Sincerely,

Ralph Christensen

EGR & Associates, Inc.
Engineers, Geologists and Surveyors

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

July 12, 1997

Mr. Doug Woodcock
Hydrogeologist
Oregon Water Resources Department
Commerce Building
158 12th Street NE
Salem, Oregon 97310-0210

RE: Water Right Application G-13577 and Limited License Application LL-0245

Dear Mr. Woodcock:

Thank you for your July 9, 1997 site visit to the Bandon Coastal Dunes project site. I trust the visit has been helpful in your understanding of the layout of the project, the area which it covers, and the large number of possible points of diversion. As I indicated during the visit, it appears that conventional wells tapping deeper aquifers will best serve the golf course's needs and therefore we are currently no longer planning on using sump wells. Silty sand and clay layers separate the deep aquifers from the shallow (near surface) aquifer which is the primary summer water supply for Cut Creek. Further, as you saw, we are spreading the points of diversion over a much broader area than originally envisioned.

The change in the types of wells used to recover water and their distribution will eliminate, or reduce to insignificance, the potential for interference between ground water withdrawal and Cut Creek (and other area streams) since we will not be withdrawing water from the shallow aquifer. The previous five day pump test data showed that the deeper aquifers have significantly lower heads than the shallow aquifer and the shallow aquifer did not respond to the 5 day pumping test indicating the connection is at best very poor. Further, this indicates the shallow aquifer already has a net recharge effect to the deeper aquifers.

For the Limited License we will be using water from four sources: the deep well which was drilled south Cut Creek [PW-2] and the main development center; the two new wells [PW-4 & PW-5] just being completed on the terrace where the first golf course is being constructed; and the "Shuman" well which is an existing well near the north end of the newly acquired Shuman property. Well logs for the Shuman well and the three original test wells (two shallow [PW-1 & PW-3] and one deep [PW-2]) are included with this letter. The two new wells do not yet have well logs as they are just now being completed (the screens for these wells having just arrived).

The two new wells drilled out on the terrace are more than 2,000 feet west of any other wells or surface water diversions. PW-5 is 1,580 feet from Cut Creek and 1,120 feet from the ocean. PW-5 is 1,950 feet from Cut Creek and 1,675 feet from the ocean. The field notes for these two new wells are reduced to summary logs as follows:

Material Logs: *layers to be screened and utilized as water supply; shading in gravel layers for clarity; depths of the logs are staggered in the following table for comparison of depths (wells top elevations are estimated to be within 15 feet, unsurveyed).

PW-4		**PW-5**	
Depth (feet)	**Material**	**Depth**	**Material**
0 - 2	Sand	0 - 2	fill from site preparation
2 - 13	Fine Sand w/interbedded clay	2 - 6	fine brown sand
		6 - 10	cemented sand, brown
13 - 23	brown sand, fine to medium	10 - 22	fine to medium sand w/sandy clay lenses
23 - 30	peat w/fine to medium sand	22 - 24	sandy clay, white
		24 - 30	fine brown sand
30 - 34	sandy clay w/peat	30 - 34	sandy clay, tan
34 - 40	fine to medium blue-gray sand	34 - 40	brown sand, medium to fine
40 - 65	fine to medium gravel w/sand	40 - 41	peat
		41 - 45	fine to medium brown sand

		45 - 55	medium to fine sandy gravel, brown
65 - 72	gravely sand fine to coarse, blue-gray	55 - 73	gravelly sand, coarse to fine
72 - 83	gray clay w/wood	73 - 80	sandy gravel, medium to fine, orange to brown
83 - 91	unrecovered	80 - 81	sandy gravel, medium to fine, gray
		81 - 85	gray clay w/wood and gravel
91 - 92	wood	85 - 92	gray sandy clay
92 - 94	wood w/peat	92 - 93	clay w/burnt wood
94 - 96	gray sandy clay	93 - 99	gray clay
		99 - 101	brown clay w/burnt wood
		101 - 106	blue-gray clay
96* - 116*	*gray sandy gravel coarse to fine	106 - 120	sandy gravel, coarse to fine, gray
116 - 133	blue-gray medium to fine sand	120 - 124	fine gravel w/clay lenses and wood
		124 - 131	gray sand, fine to coarse
		131 - 135	sandy peat, brown
133 - 142	gray clay w/wood	135 - 138	gray sand, medium to fine

142 - 149	gray clay	138 - 148	sandy clay, gray
149 - 173	gray sandy clay	*148 - *168	*medium to fine sandy gravel, gray
173 - 185	sandy gravel medium to fine green	168 - 171	gravel w/clay interbeds, gray
		171 - 177	sandy gravel, coarse to fine, gray
		177 - 185	sandy clay, gray
185 - 196	sandy gravel medium to fine green w/ clay lenses		
196 - 216	gray sandy clay		
216 - 243	gray sandy clay medium sand		

The two new wells will be sealed from the surface to just above the screened zone. Screens will be 10 feet long with a sand pack. It can be seen from the logs that low permeability layers are common between the gravel aquifer zones. The deepest zone of PW-3 will not be used and this portion of the well will be sealed off using cement.

The water to be used for the Water Right Permit Application G-13577 will initially come from the same the four wells as in the limited license. We propose to add additional wells for the permit in the areas outlined in our May 27, 1997 letter and accompanying map. With the installation of the new deep wells, which do not have direct impact on any surface water bodies, we would propose the following conditions on the water right permit:

1. Monitor water levels in all on-site wells and piezometers for the first three years after bringing the wells on-line. Water levels would be taken at least monthly for the first year, and quarterly for the next two years. Piezometers will be installed near PW-4 and water levels read from these piezometers as well.

2. Each new well (either before being installed and/or put into service) will be reviewed by the WRD to confirm the well is unlikely to cause interference with

other water rights or surface water streams. If an interference is likely the well location may moved or mitigation measures instituted (such as a percentage of the flow returned to the affected stream).

3. Meters on all water sources used on the site.

4. At least quarterly monitoring of conductivity in production wells will be used to monitor against salt water intrusion where drawdowns project below seas level.

Any other usual conditions established by the WRD for ground water permits will also be expected to appear on this permit.

Included with this letter is also the map of the terrace area showing the locations of the new PW-4 and PW-5 wells. Other wells and piezometer locations are shown on maps previously submitted to the Department.

If we can provide any other information please let us know immediately as the Limited License is now been in process for some time and the need to start construction activities and clean up the site is pressing. We would also like to move the Water Right Permit Application through the process as expeditiously as possible. Anything you can do to move this application along would be appreciated. We will gladly work with you to set permit conditions to expedite the process.

Sincerely,

Ralph W. Christensen RPG
Principal Geologist

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

pw-1

(START CARD) # 71678

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 322
Name Michael Kiesel
Address 2430 N Lakeview
City Chicago State IL Zip 60614

(2) TYPE OF WORK
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[ ] Rotary Air [ ] Rotary Mud [X] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[ ] Domestic [ ] Community [ ] Industrial [ ] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [X] Other Test well

(5) BORE HOLE CONSTRUCTION:
Special Construction approval [ ] Yes [X] No Depth of Completed Well 44' 10"
Explosives used [ ] Yes [X] No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	18	Cement	0	18	10
6"	18	50				

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:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	38'	1,250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
[ ] Perforations Method Telescope
[X] Screens Type Johnson V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
38'11"	44'10"	.016		6"	Tele	[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[X] Pump [ ] Bailer [ ] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
16.2	17'2"	44	1 hr.

Temperature of water 52° 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 Cass Latitude ____ Longitude ____
Township 28 N or (S) Range 14 E of (W) W.M.
Section 5 NW 1/4 NW 1/4
Tax Lot 100/200 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) Randolph Rd
North well Bandon

(10) STATIC WATER LEVEL:
19'2" ft. below land surface. Date 11/1/94
Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 19'2"

From	To	Estimated Flow Rate	SWL
19'2"	44'	27	19'2"

(12) WELL LOG:
Ground Elevation +/- 20'

Material	From	To	SWL
Sand Fine Brown	0	27	19'2"
Sand w/wood med Brown	27	29	
Gravel medium-fine w/ Sand medium-Fine Grey + Brown	29	44	
Clay Sandy Grey + Brown	44	50	

Date started 10/31/94 Completed 11/2/94

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
Signed ____ Date

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed John Mackie for Mackie Date 11/10/94

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

P-2

(START CARD) # ____

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 32 & 34

Name Michael Kirsch

Address 2450 N Lakeview

City Chicago State IL Zip 60614

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger

☐ Other ____

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Livestock ☒ Other Piezometer

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 32'4" ft.

Explosives used ☐ Yes ☒ No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
6"	0	33	Bentonite	0	15	0.5#

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

☒ Other Poured from Surface

Backfill placed from ____ ft. to ____ ft. Material ____

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	1/2"	+1'6"	32'4"	200	☐	☒	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:

☒ Perforations Method Hacksaw

☐ Screens Type ____ Material PVC

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
30	32'4"	1/16x1"	4	1/2"	Pipe	☒	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
10/A			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 Coos Latitude ____ Longitude ____

Township 28 N or ☒ S Range 14 E or ☒ W.M.

Section 5 NW 1/4 NW 1/4

Tax Lot 100/200 Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) Randolph Rd Bandon

(10) STATIC WATER LEVEL:

16'9" ft. below land surface. Date 11/7/94

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found 16'9"

From	To	Estimated Flow Rate	SWL
16'9"	33'	--	16'9"

(12) WELL LOG:

Ground Elevation +/- 200

Material	From	To	SWL
0-2 Sandy Peat	0	2	
Sand Fine Brown	2	8	16'9"
Sand Fine Dark Brown	8	33	

Date started 11/7/94 Completed 11/7/94

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number ____

Signed ____ Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed Jon Mark A. McWC Date 11/10/94

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

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

PW-2 (START CARD) # 71679

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 323
Name Michael Kieser
Address 2450 N Lakeview
City Chicago State IL Zip 60614

(2) TYPE OF WORK
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[ ] Domestic [ ] Community [ ] Industrial [ ] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [X] Other Test well

(5) BORE HOLE CONSTRUCTION:
Special Construction approval [ ] Yes [X] No Depth of Completed Well 125'4" ft.
Explosives used [ ] Yes [X] No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	29	Bentonite	0	40	36 SX
9"	29	125	Cement	65	85	4 SX

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other Bayolite Poured from Surface
Backfill placed from ____ ft. to ____ ft. Material _____
Gravel placed from 85 ft. to 125 ft. Size of gravel 8/12 18/20

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	5"	+1	110'8"	190	[ ]	[X]	[X]	[ ]
		116'1"	125'4"	190	[ ]	[X]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
	8"	+1'6"	4'	.250	[X]	[ ]	[ ]	[ ]
Liner:	(Protective Casing)				[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:
[ ] Perforations Method Attached to Casing
[X] Screens Type Houston V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
110'8"	116'1"	.016		5"	Pipe	[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
+/- 50	-	125'	1 hr.

Temperature of water 52° 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 Cook Latitude _____ Longitude _____
Township 28 [X] N or [ ] S Range 14 [ ] E or [X] W.M.
Section 5 NW 1/4 NW 1/4
Tax Lot 12000 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Randolph Rd
West well Bridgeport

(10) STATIC WATER LEVEL:
57' ft. below land surface. Date 11/7/94
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 16'9"

From	To	Estimated Flow Rate	SWL
16'9	60'	20	16'5
107	125	50	57

(12) WELL LOG:
Ground Elevation +/-200'

Material	From	To	SWL
Sand w/Peat Fine Brown	0	2	
Sand Fine Brown	2	8	
Sand Fine Dark Brown	8	22	16'9
Wood w/Peat and Fine	22	24	
Sand Dark Brown	-	-	
Sand Fine Dark Brown	24	36	
Gravel Fine w/Fine Sand Gray	36	37	
Sand Fine Gray	37	56	
Sandy Peat Dark Brown w/Fine Gravel	56	60	
Blue Clay	60	79	
Sand Coarse Brown	79	91	
Sandy Clay Brown	91	94	
Sandy Clay Tan	94	107	
Gravel Medium - Fine w/Sand Medium Gray Taconite	107	117	57'
Sand w/Sandy Clay Medium Gray	117	125	

Date started 11/3/94 Completed 11/7/94

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number _____
Signed _____ Date _____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed [illegible] Date 11/10/94

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

PW-3

(START CARD) # 71680

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 324

Name Michael Kieser

Address 2450 N Lakeview

City Chicago State IL Zip 60614

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:

[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger

[ ] Other

(4) PROPOSED USE:

[ ] Domestic [ ] Community [ ] Industrial [ ] Irrigation

[ ] Thermal [ ] Injection [ ] Livestock [X] Other Test well

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well 40'-8"

Explosives used [ ] Yes [X] No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	41	Bentonite	0	29	2 SX

How was seal placed: Method [ ] A [ ] B [ ] C [ ] D [ ] E

[X] Other Poured from Surface

Backfill placed from ____ ft. to ____ ft. Material ____

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	5"	+1	353'	160	[ ]	[X]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
	8"	+1'6"	4"	.250	[X]	[ ]	[ ]	[ ]
	1 Protective Casing				[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:

[ ] Perforations Method Attached to Casing

[X] Screens Type Houston V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Telepipe size	Casing	Liner
353'	40'-8"	.016		5"	Fire	[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

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

[X] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
20	-	40'	1 hr.

Temperature of water 52° 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 Coos Latitude ____ Longitude ____

Township 28 N or (S) Range 14 E or (W) W.M.

Section 5 NW 1/4 NW 1/4

Tax Lot 100 & 200 Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) Randolph Rd South Well Bandon

(10) STATIC WATER LEVEL:

14' ft. below land surface. Date 11/8/94

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found 14'

From	To	Estimated Flow Rate	SWL
14	40	20+	14'

(12) WELL LOG:

Ground Elevation +/-200'

Material	From	To	SWL
Sandy Peat	0	2	
Sandy Clay Orange	2	5	
Sand Brown Fine	5	16	14'
Peat w/ wood DK Brown	16	22	
Gravel Medium-Fine w/ Course-Fine Sand Grey	22	40	
Clay Sandy Brown	40	41	

Date started 11/7/94 Completed 11/8/94

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number ____

Signed ____ Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed Jim Meeks MGWC Date 11/10/94

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

PW-4

STATE OF OREGON WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

WELL I.D.# 40847 27-14-31 NE-SE

(START CARD) # 93052

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 498

Name E.G.R.

Address 2445 N. Prairie Road

City Eugene State OR Zip 97402

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:

[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger

[ ] Other

(4) PROPOSED USE:

[ ] Domestic [ ] Community [ ] Industrial [X] Irrigation

[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well 128' ft.

Explosives used [ ] Yes [X] No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
12¼	0	127	Bentonite Cement	30	74	145 sx
6"	127	243	Cement	120	243	17 sx

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E

[X] Other Bentonite Poured from Surface Cement

Backfill placed from ____ ft. to ____ ft. Material ____

Gravel placed from 74 ft. to 120 ft. Size of gravel 6/9

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8"	+1'6"	96'	.250	[X]	[ ]	[X]	[ ]
		116	126	.250	[X]	[ ]	[X]	[ ]
		(Tail	Pipe)		[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:

[ ] Perforations Method Attached to Casing

[X] Screens Type Houston V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
96'	116'	.070		8"	Pipe	[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

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

[X] Pump [ ] Bailer [ ] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
100	11'8½"	95'	1 hr.
100	13'7½"	95'	2 hrs
100	15'2½"	95'	3 hrs
100	16'4½"	95'	4 hrs

Temperature of water 52° Depth Artesian Flow Found ____

Was a water analysis done? [X] Yes By whom Buys

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 Coos Latitude ____ Longitude ____

Township 27 N or (S) Range 14 E or (W) WM.

Section 31 NE 1/4 SE 1/4

Tax Lot 400 Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) End of Randolph Road Off Beaver Bandon

(10) STATIC WATER LEVEL:

67'3½" ft. below land surface. Date 7/15/97

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found 10'

From	To	Estimated Flow Rate	SWL
10	72'	+/- 100	10'
96'	133'	+/- 16 gpm	67'3½"
173	185'	+/- 50	—
* Scific Capacity 5.47 Gal/FT @ DD			

(12) WELL LOG:

Ground Elevation +/-300'

Material	From	To	SWL
Sand Fine Brown	0	2	
Sand Fine Brn w/interbed Clay	2	13	10'
Sand Fine-Med Brown	13	23	
Peat w/Sand Fine-Med Brn	23	30	
Sandy Clay Gray w/Peat bits	30	34	
Sand Blue Gray Fine-Med	34	40	
Gravel Fine-Med w/Sand	40	65	
Fine-Med Blue Gray			
Sand CRS-Fine w/Gravel	65	72	
w/Gravel Fine-Med Blue Gray			
Clay Gray w/wood 30%	72	74	
Clay Gray w/wood 10%	74	91	
Wood	91	92	
Wood w/ Peat	92	94	
Sandy Clay Gray	94	96	
Gravel CRS-Fine w/Sand	96	116	67'5½"
Med-Fine Gray			
Sand Med-Fine Blue Gray	116	133	
Clay Gray w/wood	133	142	
Continued on Pg 2			

Date started 5/29/97 Completed 7/17/97

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number ____

Signed Bandon Well + Septic Co Inc Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed Jon Mecklenburg Date 7/21/97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

STATE OF OREGON WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

WELL I.D.# L10847

27-14-31

(START CARD) # 93052

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 498

Name EQB

Address 2445 N Prairie Road

City Eugene State OR Zip 97402

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:

[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger

[ ] Other

(4) PROPOSED USE:

[ ] Domestic [ ] Community [ ] Industrial [X] Irrigation

[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well ____ ft.

Explosives used [ ] Yes [ ] No Type ____ Amount ____

HOLE Diameter	From	To	SEAL 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	Steel	Plastic	Welded	Threaded
Casing:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:

[ ] Perforations Method ____

[ ] Screens Type ____ Material ____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

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

[ ] Pump [ ] Bailer [ ] 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 Coos Latitude ____ Longitude ____

Township 27 [X] N or [ ] S Range 14 [ ] E or [X] W WM.

Section 31 NE 1/4 SE 1/4

Tax Lot 400 Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) End of Randolph Rd W Bandon

(10) STATIC WATER LEVEL:

____ ft. below land surface. Date ____

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found ____

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:

Ground Elevation ____

Continued From Pg 1

Material	From	To	SWL
Clay Grey	142	149	
Sandy Clay Grey	149	173	
Gravel Med-Fine Green	173	185	?
W/ Sand Med-Fine			
Gravel Med-Fine W/ Sand	185	196	
Med-Fine Green + Mixed			
Clay Lenses			
Sandy Clay Grey	196	216	
Sandy Clay Grey Med hard	216	243	

Date started 5-29-97 Completed 7-17-97

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number ____

Signed Bandon Well + Septic Co Inc Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1443

Signed Jerry Mark Lemmons Date 7-21-97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

204206-84

PH-5

07-14-31

STATE OF OREGON
WATER SUPPLY WELL REPORT (as required by ORS 537.765)
WELL I.D.# L10848
(START CARD) # 93055
Instructions for completing this report are on the last page of this form. Pg 1

(1) OWNER: Well Number 508
Name EYR
Address
City Eugene State OR Zip 97401

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 180 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE

Diameter	From	To	Material	Pugged	Sacks or pounds
12¼"	0	180'	Bentonite Cement	30 / 138	26 sx 32 sx
6"	180	185	Cement		1 sx

How was seal placed: Method ☐A ☐B ☒C ☐D ☐E
☒ Other Bentonite Poured Cement Surface
Backfill placed from ft. to ft. Material
Gravel placed from 138 ft. to 180 ft. Size of gravel 6/9

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8"	+2	148'	.250	☒	☐	☒	☐
	8"	148'	178'	.250	☒	☐	☒	☐
					☐	☐	☐	☐
		(Tail Pipe)			☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method Attached to Casing
☒ Screens Type Houston Material Stainless Steel

From	To	Slot size	Number	Diameter	Casing	Liner
148'6"	168'6"	.070		8"	☐	☐
					☐	☐
					☐	☐
					☐	☐
					☐	☐

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

☒ Pump / Yield gal/min	☐ Bailer / Drawdown	☐ Air / Drill Stem at	☐ Flowing Artesian / Time
170	80' 3"	140	1 hr.
170'	20'11"	140'	2
170	21' 3½"	140'	3
170	21' 7"	140'	4

Temperature of water 52 °F Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom Bill's
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 Coos Latitude Longitude
Township 27 N or S Range 14 E or W WM.
Section 31 NE 1/4 SE 1/4
Tax Lot 401 Lot Block Subdivision
Street Address of Well (or nearest address) End of Randolph West Bandon

(10) STATIC WATER LEVEL:
78'3" ft. below land surface. Date 7/22/97
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 10'

From	To	Estimated Flow Rate	SWL
10	81	50+	10'
105	138	100+	67'
148	177	540 GPM	78'

(12) WELL LOG:
Ground Elevation +/- 300'

Material	From	To	SWL
Fill	0	2	
Sand Fine Brown	2	6	
Cemented Sand Brown	6	10	10
Sand Fine-Med W/	10	22	
Sandy Clay Lenses			
Sandy Clay White	22	24	
Sand Fine-Med Brown	24	30	
Sandy Clay Tan	30	34	
Sand Brown Fine-Med	34	40	
Peat	40	41	
Sand Fine-Med Brown	41	45	
Gravel Fine-Med w/Sand	45	55	
Med-Fine Brown			
Sand CBS-Fine w/Gravel	55	73	
Fine-Med Brown			
Gravel Fine-Med w/Sand	73	80	
CBS-Fine Orange Brown			
Gravel Med-Fine w/	80	81	
Sand CBS-Fine Grey			
Continued on Page 2			

Date started 6/4/97 Completed 7/24/97

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
Signed Bandon Well + Septic Co Inc Date

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed Jason Mock for McCue Date 7/25/97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

204206-94

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

WELL I.D.# L10848

27-14-31

(START CARD) # 93055

Instructions for completing this report are on the last page of this form. Pg 2

(1) OWNER: Well Number 508
Name EGR
Address
City Eugene State OR Zip 97402

(2) TYPE OF WORK
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[ ] Domestic [ ] Community [ ] Industrial [X] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

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

HOLE Diameter	From	To	SEAL 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	Steel	Plastic	Welded	Threaded
Casing:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:
[ ] Perforations Method ____
[ ] Screens Type ____ Material ____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[ ] Pump [ ] Bailer [ ] 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 Coos Latitude ____ Longitude ____
Township 27 N or [S] Range 14 E or [W] WM.
Section 31 NE 1/4 SE 1/4
Tax Lot 400 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) End of Randolph West Bandon

(10) STATIC WATER LEVEL:
____ ft. below land surface. Date ____
Artesian pressure ____ lb per square inch. Date ____

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

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:
Ground Elevation ____

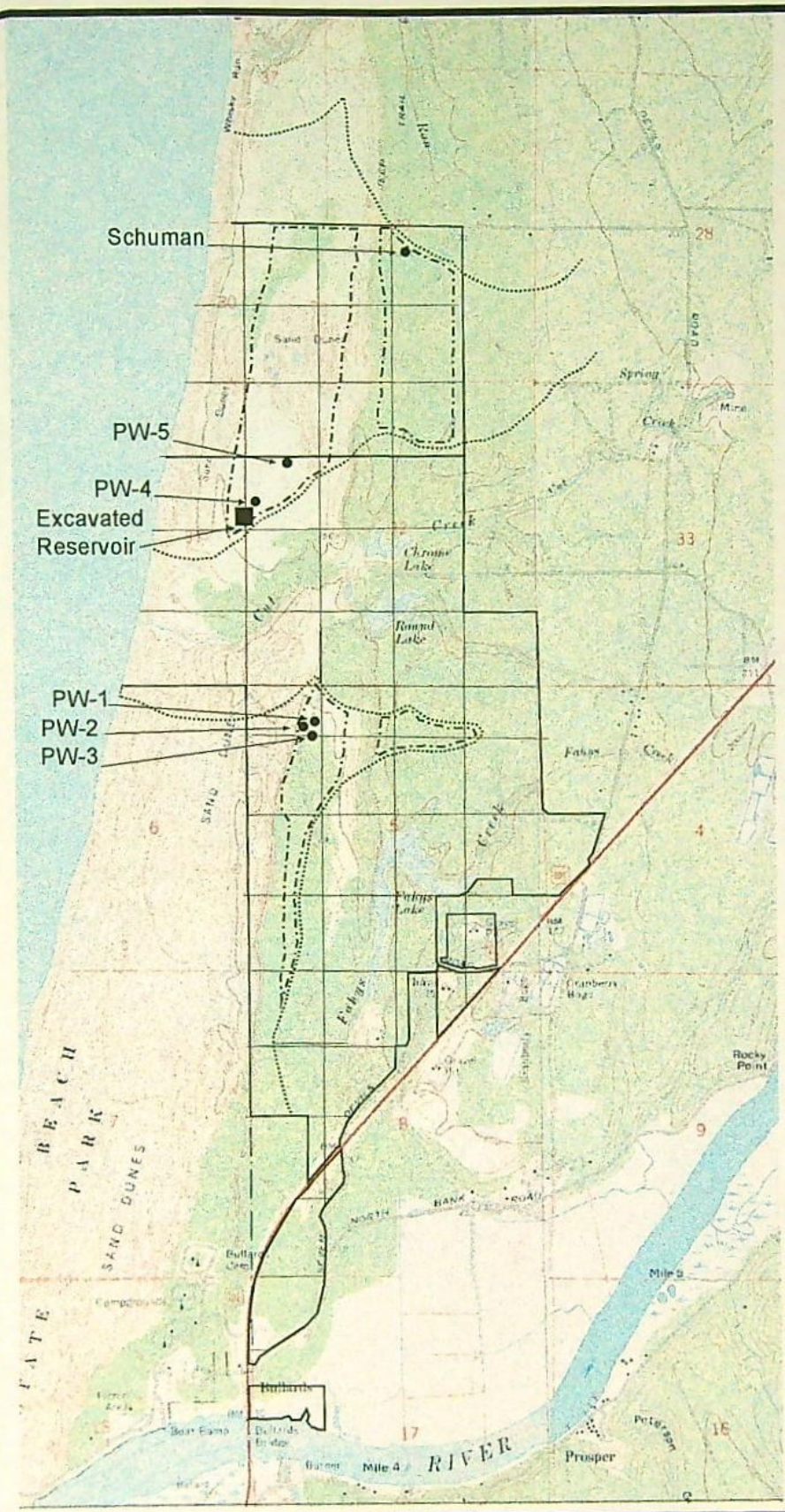
Material	From	To	SWL
Clay Gray w/wood + Gravel CBS	81	85	
Sandy Clay Gray	85	92	
Clay w/ Burt Wood	92	93	
Clay Gray	93	99	
Clay Brn w/ Peat + wood	99	101	
Clay Blue Gray	101	106	
Gravel CBS - Fine w/ Sand Gray	106	120	67?
Fine Gravel w/ Clay Lenses + wood	120	124	
Sand CBS - Fine Gray	124	131	
Sandy Peat Brown	131	135	
Sand Med - Fine Gray	135	138	
Sandy Clay Gray	138	148	
Sand Med - Fine w/ Sand CBS - Fine Gray	148	168	78.74
Gravel Fine - Med w/ Gray Clay Lenses	168	171	
Gravel Fine - CBS w/ Sand Fine - CBS Gray	171	177	
Sandy Clay Gray	177	185	

Date started 6/11/97 Completed 7/24/97

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed Bandon Well & Septic Co Inc. Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed Jon D Mackey MGWC Date 7/25/97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER



N

Approximate Property Boundaries

Quarter-Quarter Section Lines

1/4 Mile Line from Surface Water

Alternate Well Placement Area
(additional wells, sump wells, & reservoirs may be placed in these areas)

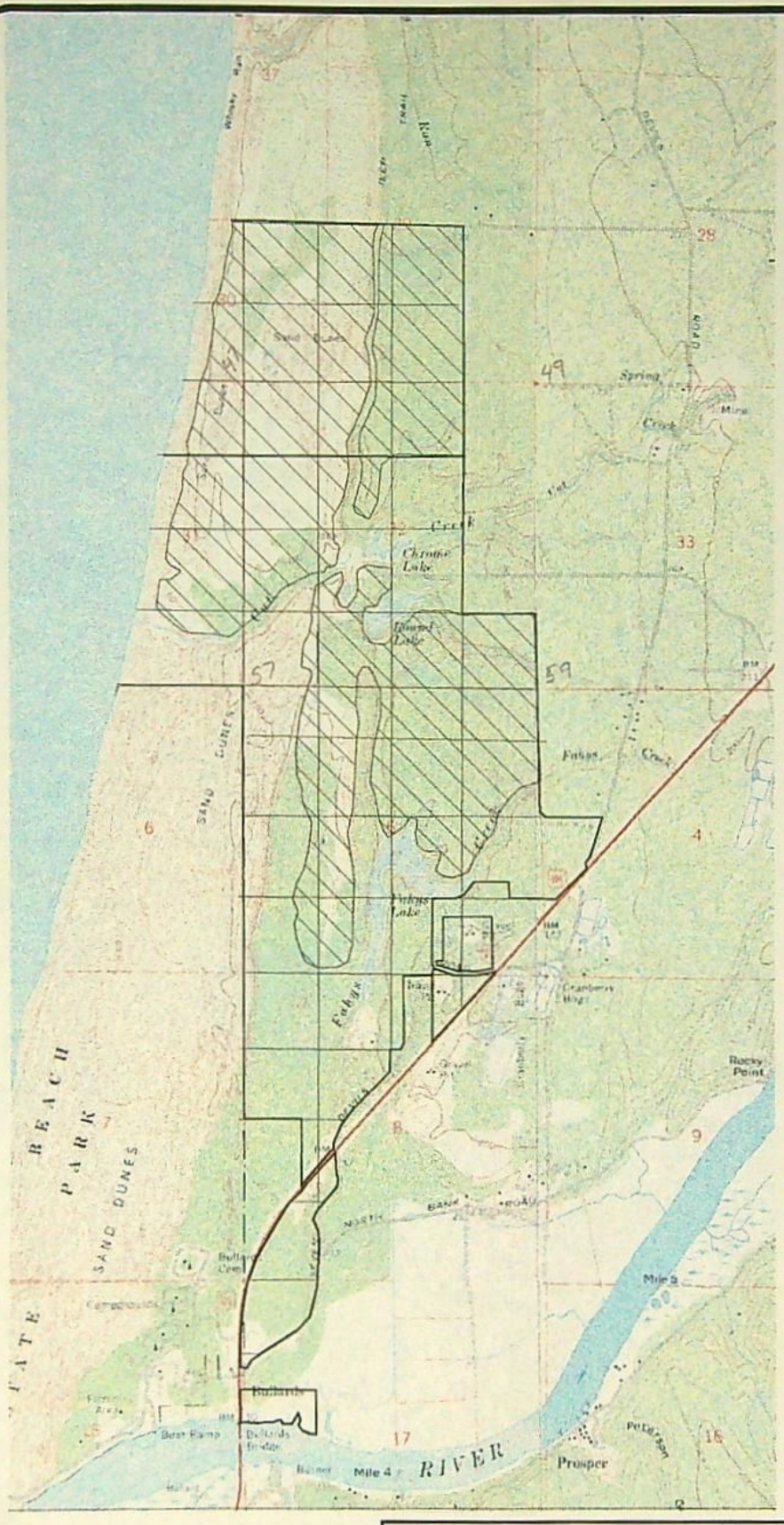
Scale: 1" = 3000'

EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Phone (541) 688-8322
FAX (541) 688-8067

Bandon Coastal Dunes

Well Location Map - 10/27/97

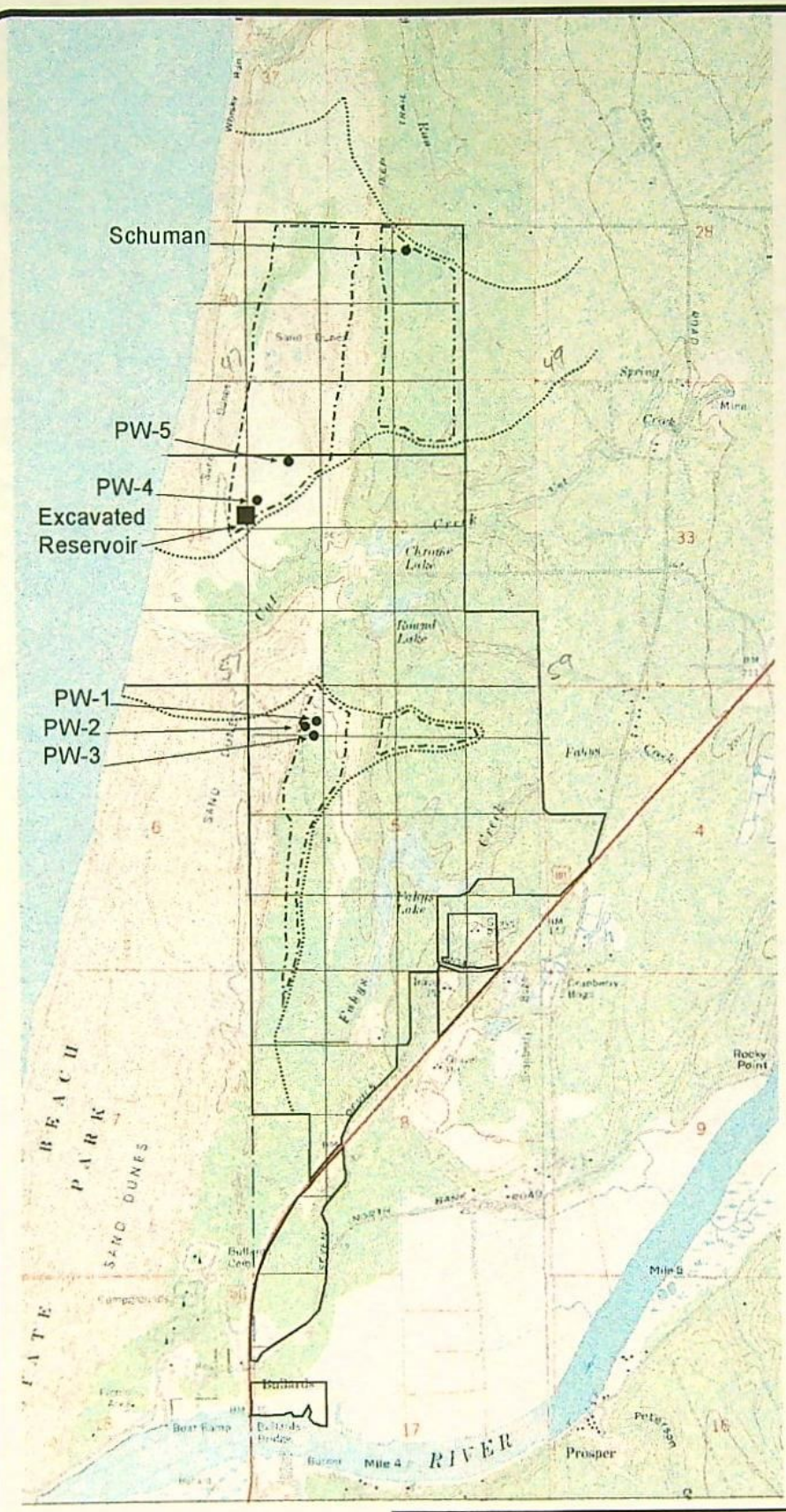
G-13577



EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Phone (541) 688-8322
FAX (541) 688-8087

Irrigation Area Map
Bandon Coastal Dunes Resort

G-13577



Approximate Property Boundaries

Quarter-Quarter Section Lines

1/4 Mile Line from Surface Water

Alternate Well Placement Area
(additional wells, sump wells, & reservoirs may be placed in these areas)

Scale: 1" = 3000'

EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Phone (541) 688-8322
FAX (541) 688-8087

Bandon Coastal Dunes

Well Location Map - 10/27/97

EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535B Prairie Road Eugene, Oregon 97402

EUGENE 2 OR 974
PM
5 JAN
1998

USA 32

974 PADF EUGENE, OR 01/05/98 23:09

Ms. Laura Snedaker
WATER RESOURCES DEPT.
Commerce Building
158 12th St. NE
Salem, OR 97310-0210

97310>0700

Oregon

WATER
RESOURCES
DEPARTMENT

AUGUST 17, 1994

BANDON DUNES LIMITED PARTNERSHIP
2130 LINCOLN PARK W
CHICAGO, IL 60614

Reference: G-13577

Hello:

This letter informs you of the current status of your application for a water right and accompanies the Unsatisfactory Report of Technical Review For Water Use Permit(s). We apologize for the delay in transmitting this information and Report to you and for any inconvenience the wait may have caused you.

The enclosed Report of Technical Review is the Department's summary of a specialized analysis of various legal and scientific aspects of the application and proposed water use. We are required by the state of Oregon's administrative rules (in OAR 690-11-160) to conduct this official technical review of each application submitted to the Oregon Water Resources Department for a water use permit. This process was designed to insure that your application receives a fair evaluation and to secure protection of existing water rights and of the public at large.

AS THE RESULT OF OUR TECHNICAL EVALUATION, WE HAVE DETERMINED THAT YOUR APPLICATION DOES NOT SATISFY THE REQUIREMENTS OF THE TECHNICAL REVIEW AND THEREFORE, THE DIRECTOR OF THE WATER RESOURCES DEPARTMENT PROPOSES THAT YOUR APPLICATION FOR A WATER USE PERMIT BE REJECTED.

If you disagree with any of the analyses contained in the Report, you may object to them. You must submit your objections to the Water Resources Department in writing within 60 days of the date of mailing of this Report or by the date specified below. Your objections must allege that the technical review is defective. You may also submit evidence that your proposed water use will not impair or be detrimental to the public interest.

Copies of the Report of Technical Review will be distributed to all persons who have filed comments or otherwise expressed an interest in the water use proposed in your application. Interested parties must also submit their objections within the prescribed objection period. Those objections must allege that the technical review is defective and/or that the proposed water use may impair or be detrimental to the public interest.

Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

If an objection contains allegations that the technical review is defective, it must be accompanied by facts which support such allegations. If an objection contains allegations that the proposed water use may impair or be detrimental to the public interest, the objection must specify the particular public interest standards which apply as set out in Oregon Revised Statutes (ORS 537.170(5)) and Oregon Administrative Rules (OAR 690-11-195) and state facts showing how such standards would be violated.

All evidence and objections must be received by our Salem office **no later than 5:00 p.m. on or before OCTOBER 24, 1994** or the Department may presume there is no opposition to the analyses set out in the technical review report. Evidence and objections must be addressed and delivered to: Oregon Water Resources Department, Water Rights Section, 158 12th Street Northeast, Salem, Oregon 97310.

If objections and evidence are submitted no later than the above time and date, the Director will evaluate each issue raised in the objections and will either accept or deny them. Objectors are encouraged to indicate whether they would be interested in resolving their concerns through alternative dispute resolution.

If your objections are accepted and the technical issues are resolved in satisfaction of the technical review requirements, the Department will move your application to the next phase of processing. This phase will include a full public interest assessment of your proposed water use. No final action may be taken on your application until the public interest review is completed.

If any of the objections are denied, the objector will be allowed thirty days to submit a protest to the denial. The protest must meet the standards set forth in OAR 690-02-030 through 080.

If you have any questions about any of the requirements described above or about any of the findings contained in the Report of Technical Review, please feel free to telephone me or any the Department's Water Rights Section staff. My telephone number is 378-3739, in Salem, or you may call toll free from within the state to 1-800-624-3199.

Sincerely,

Jake Szramek

JAKE SZRAMEK
WATER RIGHTS SECTION

ENCLOSURES

Report Date: AUGUST 17, 1994

OREGON WATER RESOURCES DEPARTMENT

UNSATISFACTORY REPORT OF TECHNICAL REVIEW

FOR WATER USE PERMIT(S)

OBJECTIONS TO THE PROPOSED REJECTION OF WATER USE AS DESCRIBED BELOW MUST BE RECEIVED IN WRITING BY THE OREGON WATER RESOURCES DEPARTMENT, 158 12th ST N.E., SALEM, OREGON 97310, BY 5 P.M. ON OR BEFORE: OCTOBER 24, 1994

1. APPLICATION FILE NUMBER - G-13577

2. MINIMUM APPLICATION INFORMATION

Applicant name/address/county/phone:

BANDON DUNES LIMITED PARTNERSHIP
2130 LINCOLN PARK W
CHICAGO, IL 60614
COOS COUNTY 312-281-0652

Date application received for filing and/or tentative date of priority: 12/17/1993

SOURCE: 5 WELLS TRIBUTARY TO: CUT CREEK AND FAHYS CREEK

Purpose and/or use: COMMERCIAL FOR 250 OCCUPANT HOTEL, IRRIGATION OF 300 ACRES FOR GOLF COURSE AND DOMESTIC FOR 500 DWELLINGS.

Flow: 5.88 CFS OR 2640 GPM BEING 280 GPM FOR COMMERCIAL, 673 GPM FOR DOMESTIC AND 1683 GPM FOR IRRIGATION.

Point of Diversion Location:
SENE, SECTION 31, SWNW AND NWSW, SECTION 32, T 27 S, R 14 W, AND NWNW AND SWNW, SECTION 5, T 28 S, R 14 W. W.M.

Place of use: GOLF COURSE IS LOCATED IN SECTIONS 31, 32, T 27 S, R 14 W, AND SECTION 5, T 28 S, R 14 W. THERE ARE ABOUT 300 ACRES FOR IRRIGATION.

GROUNDWATER AVAILABILITY

This is an application for use of groundwater. The Groundwater/Hydrology Section report indicates that:

Pursuant to OAR 690-09-040, the proposed groundwater withdrawal will have the potential to cause substantial interference with surface water.

In addition, the Groundwater/Hydrology Section has reported the water can, if properly conditioned, avoid injury to existing rights and the groundwater resource.

SURFACE WATER AVAILABILITY

Water is not likely available in excess of needs for all existing rights 80% of the time during each monthly period proposed by the technical review.

Water availability tables are available in the application file and may be reviewed in the office of the Water Resources Department in Salem.

CONFLICTS WITH OTHER WATER RIGHTS:

There **are no** existing rights from this point of diversion.

There **are no** existing water rights appurtenant to the lands described in the application.

WATER AVAILABILITY

Surface water streamflows have been evaluated against all surface water rights including consumptive out-of-stream uses, non-consumptive out-of-stream rights and instream water rights. As a result of this evaluation the Department has determined that water is **not** available for additional appropriation. The water availability tables are on file and available for review at the Water Resources Department.

THEREFORE, THE DIRECTOR FINDS THAT WATER IS NOT AVAILABLE IN SUFFICIENT AMOUNT DURING THOSE PERIODS OF TIME WHICH WOULD REASONABLY SUPPORT THE PROPOSED USE.

Based on findings set out above, the Director will recommend rejection of the application unless the applicant can provide evidence that the uses identified in the application use of water for less than the full season will not result in wasteful, uneconomic, impracticable or unreasonable use of the waters involved.

The applicant can overcome a proposed rejection by demonstrating that an alternative source of water is available during the period water is not available from the proposed source.

In the alternative, the applicant may submit evidence that the proposed use is of high public interest.

In determining whether the public interest in the proposed use is high and whether the application should be granted an exception under OAR 690-410-070(2)(a), the Commission and/or Director will weigh the relative value of the proposed use in accordance with the public interest standards set out in ORS 537.170 (5) and OAR 690-11-195.

If the Commission and/or Director find that the proposed use should be granted such an exception, a finding will be prepared stating that water is available for the proposed use if the permit can be conditioned to protect instream uses.

THE APPLICANT MAY PRESENT EVIDENCE THAT THE FINDINGS AND/OR CONCLUSIONS SET OUT IN THE TECHNICAL REVIEW ARE DEFECTIVE OR OTHERWISE INCORRECT.

PFO CHECKLIST

Application #: G 13577

Basin: S. Coast - 17 WAB: _____

County Coos Township 27S 28S Range 14W Section 31, 32 4-5, 8 1/4 1/4 _____

1. Is the file complete by the Minimum Requirements Checklist? (Y) / N
2. Shortcomings (items needed before a permit and/or FO can be issued) ~~POU - Dom + Commercial, acres irrigated per 1/4 1/4~~ Done ~~Maps - BPA coords.~~ Done
3. Check file for indicators that the process **should not** continue until a later date (ie - protest, letter to file indicating hold, or other)
4. Groundwater Review A B (C) D River/Stream Name _____ Conditions See gw review
   a. Groundwater Availability A B (C)
   b. Is second groundwater review necessary? (comments) Y / (N) - Done already
   c. Is HB 1033 review complete? Y / (N)
5. If source is groundwater, is the well located in a groundwater limited area? (If applicable, include map with POD) Y / (N)
6. Is use from a B.O.R. project? Y / (N) Contract in file? Y / N Contract # _____
7. Is the use allowed by the Basin Program? (Y) / N Limited? Y / (N) _____
8. Water Availability Data **OK / REDONE / (NA)** (50% before July 17, 1992; 80% live flow & 50% storage after July 17, 1992)
9. Is the source withdrawn or limited by statute or Department withdrawal order? Y / (N) _____
10. Is the Proposed Use located in or above a Scenic Waterway? Y / (N) _____
11. Division 33: Above Bonn (after July 17, 1992) Y / (N) / NA - predates
    Below Bonn (after April 8, 1994; June 3, 1994) Y / (N) / NA
    Statewide - (in shaded areas on T, E, and S Map - after June 3, 1994) Y / (N) / NA
12. Have conflicts been identified, verified and/or addressed? (Y) / N _____
13. Rate 1/80 Duty 2 1/2 Irrigation Season March -> Oct
14. Period of Allowed Use March - 20ct & Out of Season: Nov -> Feb.
15. Allowed Rate of Use 3.55 cfs
    requesting 3.55 cfs, being 0.46 cfs for Dom + Commuse, & 2.32 cfs for irrig of 300 ac golf course & 0.77 cfs for irrig on 200 ac pasture
16. Is the use **Small** (≤0.1cfs, ≤9.2AF), **Medium** (>0.1 or <1.5cfs, >9.2 or <100AF) or **Large** (≥1.5 cfs, ≥100 AF)?
17. Conditions See gw review
18. IR Public Notice Date T. Review
19. Documents used in determination are attached and highlighted Dom = 500 dwellings
    0.03 cfs/10 dwellings = 1.5 cfs max
20. Spell Check
21. Check for Accuracy 500 ac × 1/80 = 6.25 max - irrigation
22. Final PFO report hard copy check (format, margins, etc.) ? 1024.5 × 1/80 = 12.8 cfs
23. Final PFO has been saved to m:\groups\wr\pfo\done\week#\application #
24. Fill out PFO CC List (don't forget to check for other property owners)
    a. Re-notify Water Availability? (Rate, Duty and Period of Allowed Use changes) (Y) / N

Name: Laura Smoldt Date: 11-24-97

Revised 10/9/97

OREGON WATER RESOURCES DEPARTMENT
ADMINISTRATIVE RULES
CHAPTER 690
DIVISION 517
SOUTH COAST BASIN PROGRAM

Classifications

690-517-001

(1) Ground water resources in sections or the portions of Sections 13, 14, 22, 23, 26, 27, 32, 33 and 34 of Township 23 South, Range 13 West; 2, 3, 4, 9, 10, 11, 14, 15, 16, 17, 20, 21, 22, 27, 28, 29, 31, 32, 33 and 34 of Township 24 South, Range 13 West; and 3, 4, 5 and 6 of Township 25 South, Range 13 West, bounded on the north by Tenmile Creek, on the west by the Pacific Ocean, on the south by Coos Bay and on the east by Highway 101 are hereby classified for single or group domestic, livestock, irrigation of lawns and noncommercial gardens not exceeding one-half acre in area and any single industrial or commercial use not exceeding 5,000 gallons per day.

(2) The waters of the following lakes are classified only for domestic, livestock, municipal, irrigation of lawns and noncommercial gardens not exceeding one-half acre in area and in-lake use for recreation, fish life and wildlife. The Director of the Water Resources Department may place specific limits on municipal appropriations from the lakes or require outlet control structures to protect recreation, fish life and wildlife uses:

(a) Bradley Lake

(b) Eel Lake

(c) Garrison Lake

(3) All other natural lakes are classified only for domestic and livestock uses, irrigation of lawns and noncommercial gardens not exceeding one-half acre in area and in-lake use for recreation, fish life and wildlife.

(4) Waters of the following streams and all tributaries are classified only for domestic and livestock uses, irrigation of lawns and noncommercial gardens not exceeding one-half acre in area, fire control and instream use for recreation, fish life and wildlife.

(a) Glenn Creek (tributary to the East Fork Millicoma River)

(b) Brush Creek

(5) The waters of the Middle Fork of the Coquille River and tributaries upstream from the confluence with Holmes Creek are classified only for domestic, livestock and irrigation of lawns and noncommercial gardens not exceeding one-half acre in area and instream use for recreation, fish life and wildlife during the period from July 1 to September 30 of every year. Water stored between October 1 and June 30 may be used at any time for purposes specified in section (8).

(6) The waters of the West Fork Millicoma River and tributaries above Stall Falls are classified for municipal, domestic and livestock uses, irrigation of lawns and noncommercial gardens not exceeding one-half acre in area and instream use for recreation, fish life and wildlife.

Adopted May 22, 1964. Amended May 20, 1977; January 12, 1979; April 1, 1980; May 8, 1981 and September 25, 1984.

(7) The waters of Pony Creek above lower Pony Creek Dam and Ferry and Geiger Creeks above the Ferry Creek - Geiger Creek confluence are classified for municipal use.

(8) All other surface and ground water resources are hereby classified for domestic, livestock, municipal, industrial, fire control, irrigation, agricultural use, mining, power development, recreation, wildlife and fish life uses.

includes commercial use - see Div. 500 definition

(9) Applications for the use of water for any purposes contrary to classifications specified in the basin program shall not be accepted or granted except as provided by law. The Director shall notify the Board and other interested individuals or agencies of the intent to accept an application for use in conflict with the adopted program in accordance with ORS 536.380 if the proposed use will not have a significant impact on any other water use as provided in sections (1) through (8) of OAR 690-517-001 and in 690-517-002 through 690-517-003.

(10) The planning, construction and operation of any structures or works for the utilization of water in accordance with the aforementioned classifications are to conform with the applicable provisions of ORS 536.310, including but not restricted to the recommendation of the multiple-purpose concept.

Reservations

690-517-002

Water in the amounts specified is reserved in the following streams for municipal use:

(1) Chetco River - three cfs, downstream from the confluence with the North Fork Chetco River

(2) Winchuck River - one cfs, downstream from the confluence with Bear Creek

Minimum Perennial Streamflows

690-517-003

(1) For the purpose of maintaining a minimum perennial streamflow sufficient to support aquatic life, no appropriations of water except for domestic or livestock uses and irrigation of noncommercial gardens not exceeding one-half acre in area shall be allowed for the waters of the streams and tributaries listed in Table 1 when flows are below the specified levels.

(2) The Water Policy Review Board requests the opportunity to review applications for an allowed beneficial use that has traditionally been identified as nonconsumptive or take-and-put, such as fish hatcheries, hydroelectric facilities, municipal or water process industries that could potentially impact, in an adverse way, the Board's minimum flow regime or the public interest. The Water Policy Review Board intends to continue to protect, in its entirety, that portion of the stream system on which any minimum streamflow has been established. Permitting procedures and water use regulation should reflect that objective as far as possible under the law. The Board solicits the advice or complaints of any party who is aware that the objectives are not being met.

(3) Minimum flows established in the Water Resource Program for the South Coast Basin dated May 22, 1964 (Table 3), shall remain in full force and effect except as follows:

(a) The minimum perennial streamflow for the Elk River above U.S. Highway 101 crossing (45 cfs) is rescinded.

(b) The minimum perennial streamflow for the Coquille River Middle Fork above Bear Creek (4 cfs) is rescinded.

(c) The minimum perennial streamflow for the Sixes River above the U.S. Highway 101 crossing is reduced to 25 cfs during the period from August 1 to September 30.

(d) The minimum perennial streamflow for the South Fork Coquille River near Powers is reduced to 15 cfs during the period from June 16 to September 30.

(4) For purposes of distributing water, minimum flows established in 1964 shall be considered part of and not in addition to revised minimum flow regimes.

(5) To support aquatic life and minimize pollution, in accordance with Section 3, Chapter 796, Oregon Laws 1983, no appropriations of water shall be made or granted by any state agency or public corporation of the state for the waters of the Coquille River and tributaries when flows are below the specified levels in Table 2. This limitation shall not apply to:

(a) Domestic and livestock uses and irrigation of non-commercial gardens not exceeding 1/2 acre in area.

(b) Water legally released from storage.

Storage

690-517-004

(1) All applications for appropriation of water for storage in structures impounding more than 3,000,000 gallons of water shall be reviewed by the Water Policy Review Board prior to approval. During the review the Water Policy Review Board may establish additional minimum flows on the natural flow of the stream to support aquatic life or minimize pollution.

(2) The following reservoir sites should be protected through the comprehensive planning process for possible future development or until alternative methods of meeting water needs have been developed:

(a) West Fork of the Millicoma River, site 223.

(b) South Fork of Coquille River at Eden Ridge, site 430.

(c) North Fork Coquille River, site 146A.

(d) Rock Creek at Rasler Creek, site 201.

(e) Catching Creek, site 101.

(f) Fourmile Creek, site 158.

(g) North Fork Floras Creek at Okietown, site 435.

(h) North Fork Chetco River, site 239.

(i) Wheeler Creek, site 241.

(j) East Fork Winchuck River, site 243.

(k) Joe Ney Slough.

Out-of-Basin Appropriations

690-517-005

No out-of-basin diversion of South Coast Basin water shall be made or granted by any state agency or public corporation of the state without the prior approval of, and following a public hearing by, the Water Policy Review Board.

Existing Rights

690-517-006

Water rights and permits issued prior to the effective date of this program shall not be affected except as provided in OAR 690-517-003 and section (1) of OAR 690-517-004.

NOTE: The South Coast Basin is delineated on Water Resources Department Map, File 17.6, available from the Water Resources Department.

Definitions

690-500-020 Unless otherwise defined in a basin program, the following definitions apply in OAR Chapter 690, Divisions 501, 504-512, and 515-520 to any classification adopted prior to January 1, 1993:

(1) "Domestic use" means the use of water for domestic water use, group domestic water use, commercial water use of less than 5,000 gallons per day, or human consumption as defined in OAR 690-11-010.

(2) "Fish culture or fish life use" means the use of water for aquatic life water uses as defined in OAR 690-11-010 and public uses related to fish culture or fish life water uses as defined in OAR 690-77-010.

(3) "Industrial use" means the use of water for commercial water use or industrial water use as defined in OAR 690-11-010.

(4) "Irrigation use" means the use of water for agricultural water use, cranberry use, irrigation, nursery operations use, or temperature control as defined in OAR 690-11-010.

(5) "Livestock use" means the use of water for stockwater use as defined in OAR 690-11-010.

(6) "Mining use" means the use of water for mining water use or placer mining as defined in OAR 690-11-010.

(7) "Municipal use" means the use of water for commercial water use, municipal water uses, or quasi-municipal water uses as defined on OAR 690-11-010.

(8) "Pollution abatement use" means the use of water for pollution abatement or prevention water use as defined in OAR 690-11-010 and public uses related to pollution abatement as defined in OAR 690-77-010.

(9) "Power or power development use" means the use of water for power development water use as defined in OAR 690-11-010.

(10) "Recreation use" means the use of water for recreation water use as defined in OAR 690-11-010 and public uses related to recreation uses as defined in OAR 690-77-010.

(11) "Wildlife use" means the use of water for wildlife use as defined in OAR 690-11-010 and public uses related to wildlife uses as defined in OAR 690-77-010.

{adopted 10-1-93}

IRRIGATED LANDS

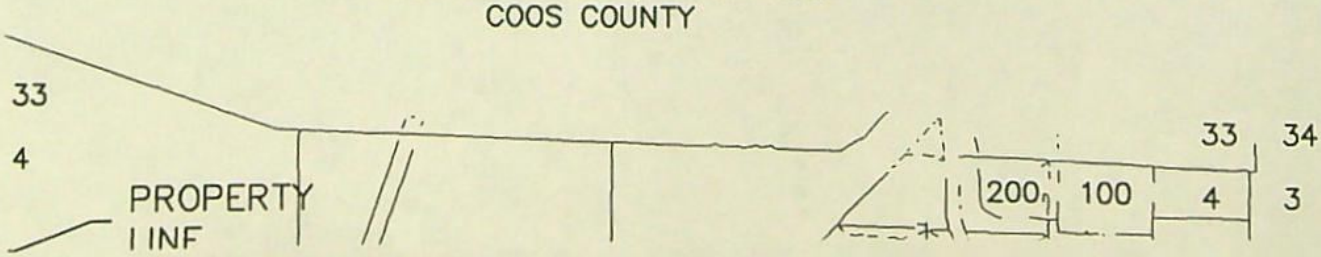
TOWNSHIP	RANGE	SECTION	1/16 SEC	1/4 SEC	APPROXIMATE TOTAL ACRES	APPROXIMATE IRRIGATED ACRES
27 S	14 W	29	NW	SW	40.0	40.0
27 S	14 W	29	SW	SW	40.0	40.0
27 S	14 W	29	SE	SW	40.0	38.4
27 S	14 W	29	NE	SW	40.0	39.1
27 S	14 W	29	SW	SE	40.0	40.0
27 S	14 W	29	NW	SE	40.0	40.0
27 S	14 W	30	SE	SE	40.0	18.0
27 S	14 W	30	NE	SE	40.0	12.0
27 S	14 W	31	NE	NE	22.4	27.1
27 S	14 W	31	SE	NE	30.2	33.6
27 S	14 W	31	NE	SE	38.5	45.8
27 S	14 W	31	SE	SE	48.2	12.5
27 S	14 W	32	NW	NW	40.0	40.0
27 S	14 W	32	SW	NW	40.0	40.0
27 S	14 W	32	SE	NW	40.0	21.5
27 S	14 W	32	NE	NW	40.0	34.8
27 S	14 W	32	NW	SW	40.0	36.8
27 S	14 W	32	SW	SW	40.0	5.0
27 S	14 W	32	SE	SW	40.0	33.6
27 S	14 W	32	NE	SW	40.0	22.3
27 S	14 W	32	NW	SE	40.0	0.5
27 S	14 W	32	SW	SE	40.0	36.1
27 S	14 W	32	SE	SE	40.0	40.0
27 S	14 W	32	NW	NE	40.0	40.0
28 S	14 W	5	NW	NW	28.2	6.5
28 S	14 W	5	SW	NW	40.0	10.8
28 S	14 W	5	SE	NW	40.0	32.1
28 S	14 W	5	NE	NW	28.6	19.3
28 S	14 W	5	NW	SW	40.0	9.0
28 S	14 W	5	SW	SW	40.0	10.0
28 S	14 W	5	SE	SW	40.0	17.0
28 S	14 W	5	NE	SW	40.0	21.8
28 S	14 W	5	NW	SE	40.0	18.0
28 S	14 W	5	NE	SE	40.0	9.3
28 S	14 W	5	NW	NE	28.4	28.4
28 S	14 W	5	SW	NE	40.0	40.0
28 S	14 W	5	SE	NE	40.0	35.8
28 S	14 W	5	NE	NE	29.4	29.4
TOTAL					1453.9	1024.5

RTY

9 | 28

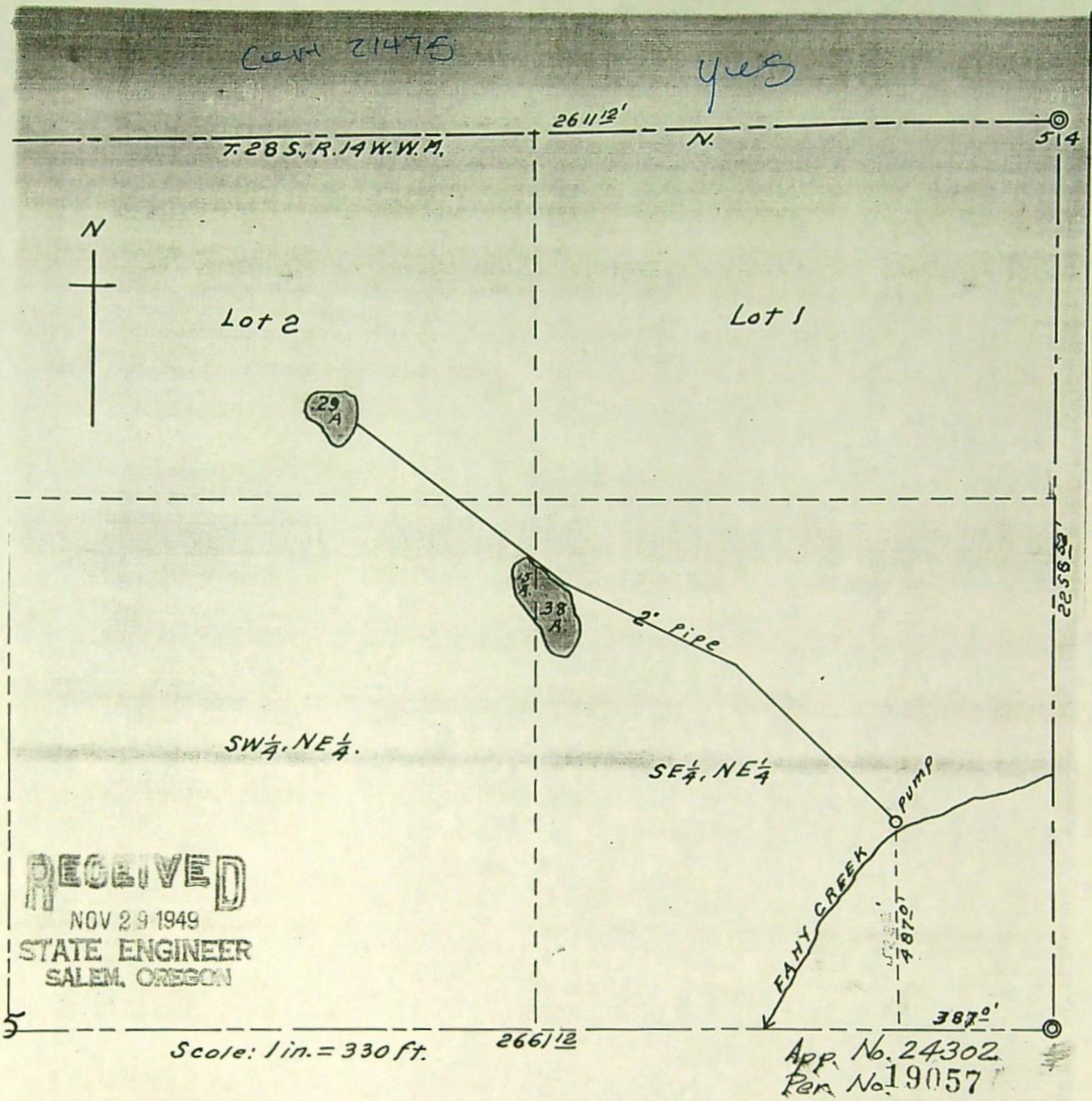
2 | 33

SECTION 4 T.28S, R.14W. W.M.
COOS COUNTY



Cert 21475

Yes



App. No. 24302
Per. No. 19057

Map accompanying application of
John F. Fitzsimmons
to appropriate water.

I, J.N. Gearhart, of Myrtle Point, Oregon, do hereby certify that this map was made from notes taken during an actual survey made by me on Nov. 1, 1949, and that it correctly represents the works described in the accompanying application together with the location of streams in the immediately located streams.

OREGON WATER RESOURCES PLAT CARD: Township 27.00 S Range 14.00 W SECTION 29

1/22/1998

APP. NO. / PERMIT NO.	CERT NO.		GOV'T LOT DLC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
G 14238	0	V																	
G 12805																17.50 (CR)		7.50 (CR)	
S 24924	20940	V					(BD)												
S 19589																			
S 61950	60919	V		0.25 (IR)															
S 45288																			

NCR

No records in Sec. 30

OREGON WATER RESOURCES PLAT CARD: Township 27.00 S Range 14.00 W SECTION 31

1/22/1998

APP. NO. / PERMIT NO.	CERT NO.		GOV'T LOT DLC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
S 2470	2020	V	(MI) -->																
S 1374																			
S 7517	3587	V	(MI) -->																
S 4802																			

NCR

OREGON WATER RESOURCES PLAT CARD: Township 27.00 S Range 14.00 W SECTION 32

1/22/1998

APP. NO. / PERMIT NO.	CERT NO.		GOV'T LOT DLC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
R 57815	0	V										(CH) (IR) (S) (TC)				(CR) (S) (TC) (CH)			
R 8147	No map in file																		
S 2470	2020	V	(MI) -->																
S 1374																			
S 7517	3587	V	(MI) -->																
S 4802																			

No applc. records in Sec. 29 & 30

OREGON WATER RESOURCES PLAT CARD: Township 27.00 S Range 14.00 W SECTION 33

1/22/

APP. NO. / PERMIT NO.	CERT NO.		GOV'T LOT DLC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
G 13577	0	V														(ID)			

OREGON WATER RESOURCES PLAT CARD: Township 27.00 S Range 14.00 W SECTION 32

APP. NO. / PERMIT NO.	CERT NO.		GOV'T LOT DLC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW
G 13577		V								(CM)								
G 13577		V								(ID)								
G 14508		V		15.00 (CI)														
P 81048		V					(IR)											
P 81048		V														(IR)		
R 72981		V		(CR)														
R 80705		V														(IR)		
S 72982		V		15.00 (CR)														
S 80705		V														(CR)		
S 80705		V					(DI)											

OREGON WATER RESOURCES PLAT CARD: Township 28.00 S Range 14.00 W SECTION 4

APP. NO. / PERMIT NO.	CERT NO.		GOV'T LOT DLC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW
G 2758	35931	V		13.80 (IR)														
G 2561				(SI) 13.80 (PR)														
				13.80 (CH)														
G 3595	39491	V		1.80 (TC)														
G 3498				1.80 (AG)														
				1.80 (IR)														
G 8441	55557	V					10.50 (CR)											
G 7927																		
G 8613	50575	V										0.20 (CR)	5.20 (CR)					
G 8007																		
G 8633	55417	V											0.80 (CR)					
G 8879																		
G 11254	55020	V				1.10 (CR)	2.50 (CR)									0.20 (CR)		
G 10368																		
G 11427	55859	V											0.40 (CR)	23.80 (CR)				
G 10342																		
G 11458	55884	V					8.00 (CR)											
G 10591																		
G 12005		V					1.50 (GI)									3.50 (GI)	8.00 (CI)	2.00 (GI)
G 11045							(S)									(S)	2.20 (CI)	
																	(S)	
G 12359		V		13.80 (IC)														
G 11375																		
G 13250		V					1.20 (CR)											
G 12052							(S)											
G 12930		V				3.36 (CH)	0.10 (CR)											
G 12483						5.20 (CR)	(S)											
						(S)	0.40 (CR)											
G 12904		V											6.00 (CR)					
G 12725																		

Continuing with Township 28.00 S Range 14.00 W SECTION 4

APP. NO. / PERMIT NO.	CERT NO.		GOV'T LOT DLC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW
R 30709	29949	V														(IR)		(IR)
R 1945																		
R 39324	35932	V		(IR)														
R 3900				(AG) (TC)														
S 30710	29950	V					1.80 (IR)									1.70 (IR)		
S 24521																		
S 37418	32420	V															(AG) 2.00 (IR)	
S 29270																		
S 38123	36970	V								1.00 (ID)								
S 28412																		
S 38775	35936	V				5.20 (AG)	0.10 (TC)											
S 29327						5.20 (IR)	0.10 (AG)											
						5.20 (TC)	0.10 (AG)											
S 39325	35933	V		13.60 (IR)														
S 29282				13.60 (AG)														
				13.60 (TC)														
S 42311	37081	V					1.80 (AG)									1.70 (AG)	2.00 (AG)	
S 31788							1.80 (IR)									1.70 (TC)	2.00 (IR)	
							(S)									1.80 (IR)	(S)	
							1.80 (TC)									1.70 (IR)	2.00 (TC)	
																(S)	0.20 (IR)	
S 58589		V		(CH) 13.60 (IR)		(CH) 5.20 (IR)	(CH) 19.70 (IR)						(CH) 7.50 (IR)			(CH) 9.50 (IR)	(CH) 2.20 (IR)	
S 44930				(S)		(S)	(S2)						(S)			(S)	(S)	
S 73195		V								(AG) (ON) (LV)								
S 52482																		

OREGON WATER RESOURCES PLAT CARD: Township 28.00 S Range 14.00 W SECTION 5

APP. NO. / PERMIT NO.	CERT NO.		GOV'T LOT DLC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW
G 8633	55417	V																
G 8879																		
S 24302	21475	V	LOT 2		0.29 (IR)													
S 15057						0.15 (IR)	0.38 (IR)											
S 56589		V																
S 44930																		
S 51826	55655	V														(DI)		
S 48041																		
S 50573		V																0.10 (DN)
S 52483																		

Subject file

NCR

NCR

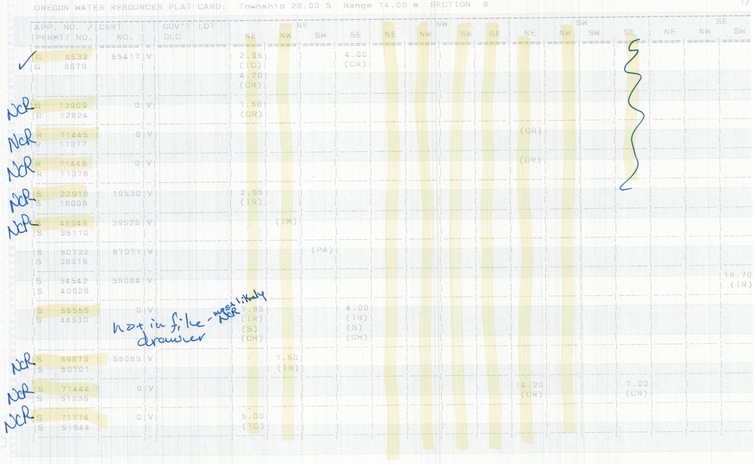
NCR

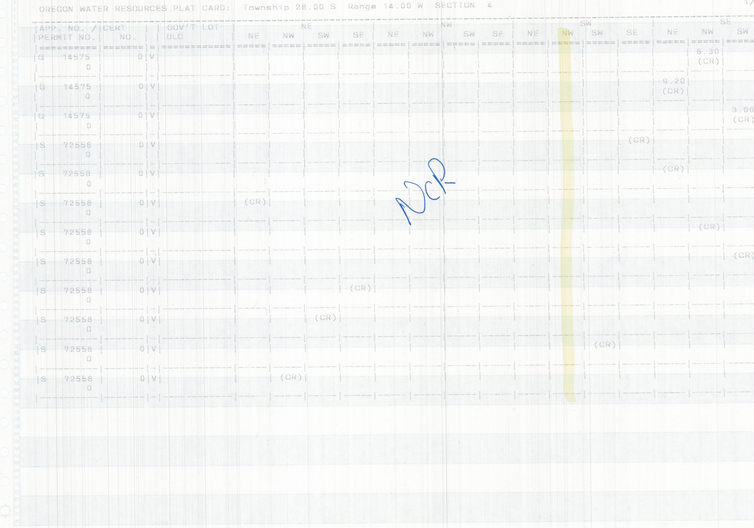
yes

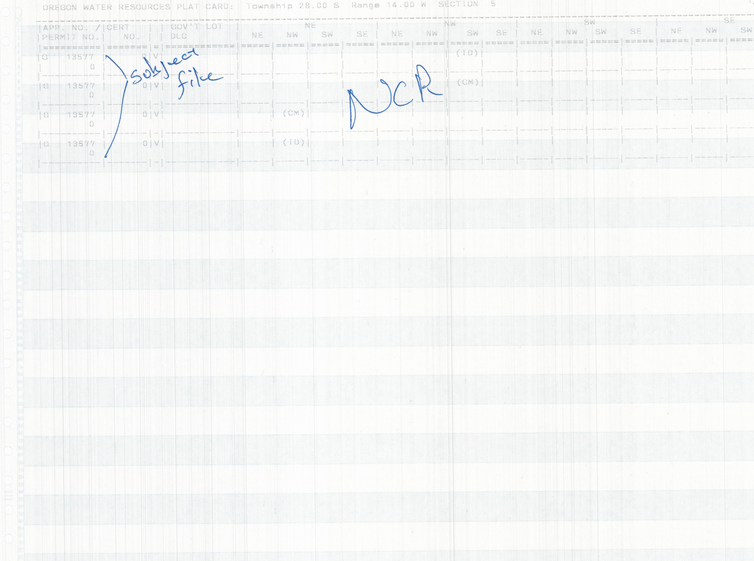
file not in drawer

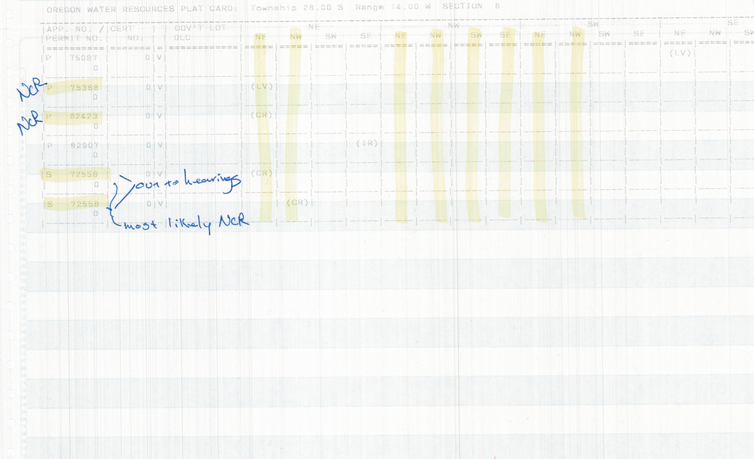
NCR

NCR


OREGON WATER RESOURCES PLAT CARD: Township 28.00 S Range 14.00 W SECTION 8
NCR
NCR
NCR
NCR
NCR
not in file - most likely NCR
drawer


OREGON WATER RESOURCES PLAT CARD: Township 28.00 S Range 14.00 W SECTION 4
NCR


OREGON WATER RESOURCES PLAT CARD: Township 28.00 S Range 14.00 W SECTION 5
Sold west file
NCR


OREGON WATER RESOURCES PLAT CARD: Township 28.00 S Range 14.00 W SECTION 8
NCR
NCR
goes to hearings
most likely NCR

FedEx USA Airbill

Tracking Number 4751216282

FedEx Retrieval Copy

1712319 00032/00100

1 From

Date 1/8/98 Sender's FedEx Account Number 1609-6030-2

Sender's Name RALPH CHRISTENSEN Phone (541) 688-8322

Dept./Floor/Suite/Room

Company ENGINEERING & GEOLOGIC RES

Address 2535 B PRAIRIE RD STE B

City EUGENE State OR Zip 97402

2 Your Internal Billing Reference Information 0910-94-0910

3 To

Recipient's Name LAURA K. SNEDAKER Phone (503) 378-8455

Dept./Floor/Suite/Room

Company WATER RESOURCES DEPARTMENT

Address ~~125~~ 158 12th Street NE

(To "HOLD" at FedEx location, print FedEx address here)

City Salem State OR Zip 97310-0210

For HOLD at FedEx Location check here

1 ☐ Hold Weekday (Not available with FedEx First Overnight)

31 ☐ Hold Saturday (Not available at all locations) (Not available with FedEx First Overnight or FedEx Standard Overnight)

For Saturday Delivery check here

3 ☐ (Extra Charge. Not available to all locations) (Not available with FedEx First Overnight or FedEx Standard Overnight)

4a Express Package Service *Packages under 150 lbs.* Delivery commitment may be later in some areas.

1 [X] FedEx Priority Overnight (Next business morning)

5 ☐ FedEx Standard Overnight (Next business afternoon)

3 ☐ FedEx 2Day* (Second business day)

6 ☐ NEW FedEx First Overnight (Earliest next business morning delivery to select locations) (Higher rates apply)

*FedEx Letter Rate not available. Minimum charge: One pound FedEx 2Day rate.

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

7 ☐ FedEx Overnight Freight (Next business-day service for any distance)

8 ☐ FedEx 2Day Freight (Second business-day service for any distance)

83 ☐ FedEx Express Saver Freight (Up to 3 business days service based upon distance)

(Call for delivery schedule. See back for detailed descriptions of freight products.)

5 Packaging 6 [X] FedEx Letter 2 ☐ FedEx Pak 3 ☐ FedEx Box 4 ☐ FedEx Tube 1 ☐ Other Pkg.

Declared value limit $500

6 Special Handling

Does this shipment contain dangerous goods? 4 ☐ Yes (No one attached Shipper's Declaration) ☐ Yes (Shipper's Declaration not required)

6 ☐ Dry Ice (Dry Ice, 9, UN 1845) ____ x ____ kg (Dangerous Goods Shipper's Declaration not required)

CA ☐ Cargo Aircraft Only

7 Payment ☐ Obtain Recipient FedEx Account No.

Bill to: 1 [X] Sender (Account no. in section 1 will be billed) 2 ☐ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

(Enter FedEx account no. or Credit Card no. below)

FedEx Account No.

Credit Card No. Exp. Date

Total Packages 1 Total Weight LTR

Total Charges $

Credit Card Auth.

* When declaring a value higher than $100 per shipment, you pay an additional charge. See SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY section for further information.

8 Release Signature

Sender authorizes FedEx to deliver this shipment without obtaining a signature and agrees to indemnify and hold harmless FedEx from any resulting claims.

272

WCSL 0397 Rev. Date 6/96 PART #147956

© 1994-96 FedEx PRINTED IN U.S.A.

☐ Check here if package was dropped off

4 7 5 1 2 1 6 2 8 2

FedEx USA Airbill

Tracking Number 4751216282

Recipient's Copy

1712319 00032/00100

1 From

Date 1/8/98

Sender's Name RALPH CHRISTENSEN Phone (541) 688-8322

Dept./Floor/Suite/Room

Company ENGINEERING & GEOLOGIC RES

Address 2535 B PRAIRIE RD STE B

City EUGENE State OR Zip 97402

2 Your Internal Billing Reference Information 0910-94-0910

3 To

Recipient's Name LAURA K. SNEDAKER Phone (503) 378-8455

Dept./Floor/Suite/Room

Company WATER RESOURCES DEPARTMENT

Address 158 12th Street NE

(To "HOLD" at FedEx location, print FedEx address here)

City Salem State OR Zip 97310-0210

For HOLD at FedEx Location check here

☐ Hold Weekday (Not available with FedEx First Overnight)

☐ Hold Saturday (Not available at all locations) (Not available with FedEx First Overnight or FedEx Standard Overnight)

For Saturday Delivery check here

☐ (Extra Charge. Not available to all locations) (Not available with FedEx First Overnight or FedEx Standard Overnight)

4 7 5 1 2 1 6 2 8 2

4a Express Package Service *Packages under 150 lbs.* Delivery commitment may be later in some areas.

☐ FedEx Priority Overnight (Next business morning)

☐ FedEx Standard Overnight (Next business afternoon)

☐ FedEx 2Day* (Second business day)

☐ NEW FedEx First Overnight (Earliest next business morning delivery to select locations) (Higher rates apply)

* FedEx Letter Rate not available. Minimum charge: One pound FedEx 2Day rate.

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

☐ FedEx Overnight Freight (Next business-day service for any distance)

☐ FedEx 2Day Freight (Second business-day service for any distance)

☐ FedEx Express Saver Freight (Up to 3 business-day service based upon distance)

(Call for delivery schedule. See back for detailed descriptions of freight products.)

5 Packaging ☐ FedEx Letter ☐ FedEx Pak (Declared value limit $500) ☐ FedEx Box ☐ FedEx Tube ☐ Other Pkg.

6 Special Handling

Does this shipment contain dangerous goods? ☐ Yes (As per attached Shipper's Declaration) ☐ Yes (Shipper's Declaration not required)

☐ Dry Ice Dry Ice, 9, UN 1845 III, _____ x _____ kg. 904 (Dangerous Goods Shipper's Declaration not required)

CA ☐ Cargo Aircraft Only

7 Payment ☐ Obtain Recipient FedEx Account No.

Bill to: ☒ Sender (Account no. in section 1 will be billed) ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check (Enter FedEx account no. or Credit Card no. below)

Total Packages	Total Weight	Total Declared Value*	Total Charges
1	1 LB	$ .00	$
			Credit Card Auth.

* When declaring a value higher than $100 per shipment, you pay an additional charge. See **SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY** section for further information.

8 Release Signature

Your signature authorizes Federal Express to deliver this shipment without obtaining a signature and agrees to indemnify and hold harmless Federal Express from any resulting claims.

272

Questions?
Call 1-800-Go-FedEx
(1-800-463-3339)

WCDL 0397
Rev. Date 6/96
PART #147956
©1994-96 FedEx
PRINTED IN U.S.A.

FedEx USA Airbill

Tracking Number 4751216293

FedEx Retrieval Copy

1712319 00033/00100

1 From

Date 1/8/98 Sender's FedEx Account Number 1609-6030-2

Sender's Name RALPH CHRISTENSEN Phone (541) 688-8322

Dept./Floor/Suite/Room

Company ENGINEERING & GEOLOGIC RES

Address 2535 B PRAIRIE RD STE B

City EUGENE State OR Zip 97402

2 Your Internal Billing Reference Information 0910-94-0910

3 To

Recipient's Name Laura Snedaker Phone (503) 378-8455

Dept./Floor/Suite/Room

Company Water Resources Dept.

Address 158 12th St. NE

To "HOLD" at FedEx location, print FedEx address here.

City Salem State OR Zip 97310-0210

For HOLD at FedEx Location check here

1 ☐ Hold Weekday (Not available with FedEx First Overnight)

3 ☐ Hold Saturday (Not available at all locations) (Not available with FedEx First Overnight or FedEx Standard Overnight)

For Saturday Delivery check here

3 ☐ (Extra Charge. Not available to all locations) (Not available with FedEx First Overnight or FedEx Standard Overnight)

4a Express Package Service *Packages under 150 lbs.* Delivery commitment may be later in some areas

1 ☒ FedEx Priority Overnight (Next business morning) 5 ☐ FedEx Standard Overnight (Next business afternoon) 3 ☐ FedEx 2Day* (Second business day)

6 ☐ NEW FedEx First Overnight (Earliest next business morning delivery to select locations) (Higher rates apply)

*FedEx Letter Rate not available. Minimum charge: One pound FedEx 2Day rate.

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas

7 ☐ FedEx Overnight Freight (Next business day service for any distance) 8 ☐ FedEx 2Day Freight (Second business day service for any distance) 83 ☐ FedEx Express Saver Freight (Up to 3 business day service based upon distance)

(Call for delivery schedule. See back for detailed descriptions of freight products.)

5 Packaging 6 ☒ FedEx Letter (Declared value limit $500) 2 ☐ FedEx Pak 3 ☐ FedEx Box 4 ☐ FedEx Tube 1 ☐ Other Pkg

6 Special Handling

Does this shipment contain dangerous goods? 4 ☐ Yes (No one attached Shipper's Declaration) ☐ Yes (Shipper's Declaration not required)

6 ☐ Dry Ice Dry Ice, 9, UN 1845, ___ kg (Dangerous Goods Shipper's Declaration not required)

CA ☐ Cargo Aircraft Only

7 Payment

Bill to: 1 ☒ Sender (Account no. in Section 1 will be billed) 2 ☐ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

(Enter FedEx account no. or Credit Card no. below)

☐ Obtain Recipient FedEx Account No.

FedEx Account No. ___

Credit Card No. ___ Exp. Date ___

Total Packages 1 Total Weight LBS

Total Charges $ ___

Credit Card Auth. ___

* When declaring a value higher than $100 per shipment, you pay an additional charge. See SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY section for further information.

8 Release Signature

Sender authorizes Federal Express to deliver this shipment without obtaining a signature and agrees to indemnify and hold Federal Express harmless from any resulting claims.

Ralph D. Christensen

272

☐ Check here if package was dropped off

WCSL 0397 Rev. Date 6/96 PART #147956

4 7 5 1 2 1 6 2 9 3

C7

Name
By
Addres

FILE G-13577

BANDON DUNES GOLF RESORT
C/O DONALD J STASTNY, OWNER'S REPRESENTATIVE
2309 SW 1ST #1145
PORTLAND OR 97201

Application No. G13577
Permit No. G13408
Certificate No.

Stream Index, Page No. 17

see G 15082

FEES PAID

Date	Amount	Receipt No.
12/7/93	1135.00	108119
8-10-98	376.00	23560
10/07/02	100.00	56447
	Cert. Fee	

FEES REFUNDED

Date	Amount	Check No.

Date filed
Priority
Action suspended until
"on ext. db"
Return to applicant
Date of approval

CONSTRUCTION

Date for beginning
Date for completion
Extended to
Date for application of water
Extended to 10-1-22

PROSECUTION OF WORK

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

FINAL PROOF

Blank mailed
Proof received
Date certificate issued

ASSIGNMENTS

Date	To Whom	Address	Volume	Page

REMARKS

maps in Box #160

T-8861 Δ POU/APOA Permit Amend. V. 56, p. 907
T-9647 ΔPOU V59 p435
T-9782
T-10476 V. 74 p. 681

SP*70900-119

2004 **PHONE CALL**

FOR WED F.C. DATE 1-21 TIME 144 A.M. P.M.

M R RON BLAIRAN

OF ANYWAY ☒ PHONED

PHONE ☐ FAX ☐ MOBILE (503)-241-9404 (AREA CODE / NUMBER / EXTENSION) — RETURNED YOUR CALL

MESSAGE ? G 13577 — PLEASE CALL

CLAIM? — WILL CALL AGAIN

PORTLAND T2S 61 — CAME TO SEE YOU

QUES- A PERMIT — WANTS TO SEE YOU

SIGNED

TOPS FORM 4003

ACRES IN ? IN SE NE & NESE SECTION 31 & CHANGES CONDITION (500 AC LIMIT)

LANE CO. PUB WKS
341 6900

IMPORTANT MESSAGE

FOR WED 499 DATE 11-19 TIME 11 11 A.M. P.M.

M RALPH CHRISTIANSON

OF ☒ PHONED

PHONE ☐ FAX ☐ MOBILE 541-688-8322 (AREA CODE / NUMBER / EXTENSION) — RETURNED YOUR CALL

MESSAGE TIME FRAME — ☒ PLEASE CALL

STATUS - DRAFT — WILL CALL AGAIN

DOUG — CAME TO SEE YOU

G-13577 o WOODCOCK — WANTS TO SEE YOU

SIGNED

TOPS FORM 4006

12-12-98 PHONE CALL W/ JOHN DEOLET

NO INTERVENING PODS ON CUT OR BELOW PROPOSED DEVELOPMENT

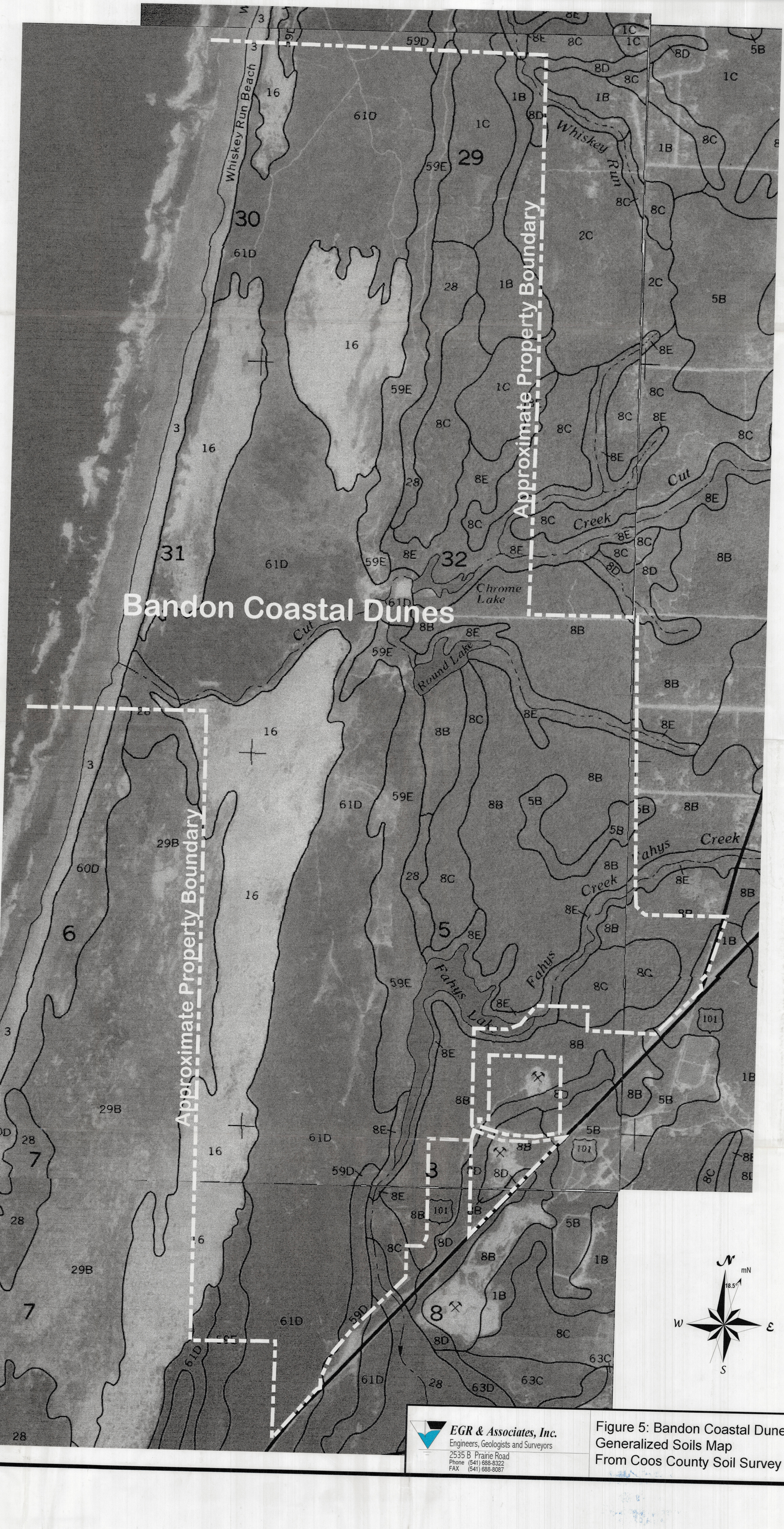
- 1024.5 ACRES LISTED
- 500 ACRES ALLOWED W/ IN THE 1024.5 AC.
- WHICH 500 ACRES TO BE ALLOWED DETERMINED @ PROOF

FILE G-13577

BANDON DUNES GOLF RESORT
C/O DONALD J STASTNY, OWNER'S REPRESENTATIVE
2309 SW 1ST #1145
PORTLAND OR 97201

FILE G-13577

BANDON DUNES GOLF RESORT
C/O DONALD J STASTNY, OWNER'S REPRESENTATIVE
2309 SW 1ST #1145
PORTLAND OR 97201



EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Phone (541) 688-8322
FAX (541) 688-8087

Figure 5: Bandon Coastal Dunes
Generalized Soils Map
From Coos County Soil Survey

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

EGR & Associates, Inc.
Engineers, Geologists and Surveyors

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

January 8, 1998

Laura K. Snedaker
Water Resources Department
158 12th Street NE
Salem, OR 97310-0210

Dear Ms. Snedaker:

Please find enclosed a new land use compatibility statement, a copy of the zoning map from the final decision, a copy of the Amendment to the Coos County Master Plan for the Bandon Coastal Dunes Resort, and letter related to the off season irrigation request.

If you have any comments or questions, please feel free to contact us at your convenience.

Sincerely
EGR & Associates, Inc.

Steven I. Recca, R.P.G.

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

Post-it™ brand fax transmittal memo 7671	# of pages ▸ 1
To Cheryl, EGR	From L BARRON
Co.	Co. Coos
Dept.	Phone # (541) 396-3121, x-210
Fax # 688-8087	Fax # 396-3640

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

...ills, Hydroelectric Licenses, Water Uses In
...o Classified Uses

...npatibility with local comprehensive plans as
...urces Department will use this and other information
...to evaluate the water use application. DO NOT FILL OUT THIS FORM IF water is to be diverted, conveyed, and/or used only on federal lands.

Applicant's Name: Bandon Coastal Dunes Limited Partnership
Address: P.O. Box 2072
City: Bandon State: OR Zip: 97411 Day Phone: (541) 347-4380

Please provide information as requested below for all tax lots on or through which water will be diverted or used. (Attach extra sheets as necessary.) Applicants for municipal use, or irrigation uses within irrigation districts, may substitute existing and proposed service area boundaries for the tax lot information requested below.

Tax Lot or Local I.D.#	Plan Designation/Zoning (e.g. Rural Residential/RR-5)	Check All That Apply: Water Diverted	Water Conveyed	Water Use
See Attachment	BPR Zone	✓	✓	✓

Please list all counties and cities within which water is proposed to be diverted, conveyed, and/or used. All in Coos County

The following section must be completed by a planning official from each county and city listed unless your project will be located entirely within city limits. In this case, only the city planning agency must complete this form. Please request extra forms as needed.

For Local Government Use Only

Local planning officials are to complete the remainder of this form. If it cannot be completed while the applicant waits, sign and detach the receipt as instructed below. You will receive notice when the applicant's water right request is filed with the Water Resources Department (WRD). You will have 30 days from the notice date to return this completed this land use form to WRD. If no land use information is received from you within that period, WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan.

a) Check the appropriate box below and provide requested information.

☐ Land uses to be served by proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): _____. Go to section b) on reverse side.

☒ Land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals as listed in the table below. Note: Please attach documentation of applicable local land use approvals which have already been obtained. (Record of Action plus any accompanying findings is sufficient.)

Type of Land Use Approvals Needed (e.g.: plan amendments, rezones, conditional use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Please check the box that applies: Already Obtained	Already Denied	Being Pursued Satisfactorily
FINAL Development Plan SP-97-04	ARTICLE 4.10, Coos Co. Zoning + Land Development ordinances.	X		

(over)

Receipt for Request for Land Use Information

WRD Applicant Name: _____

This receipt must be signed by a local government representative and returned to the applicant for inclusion in the WRD application IF the local government cannot provide the above requested land use information while the applicant waits.

City or County: Coos County

Staff Contact: Laura Barron, Planner Phone: (541) 396-3121, x-210

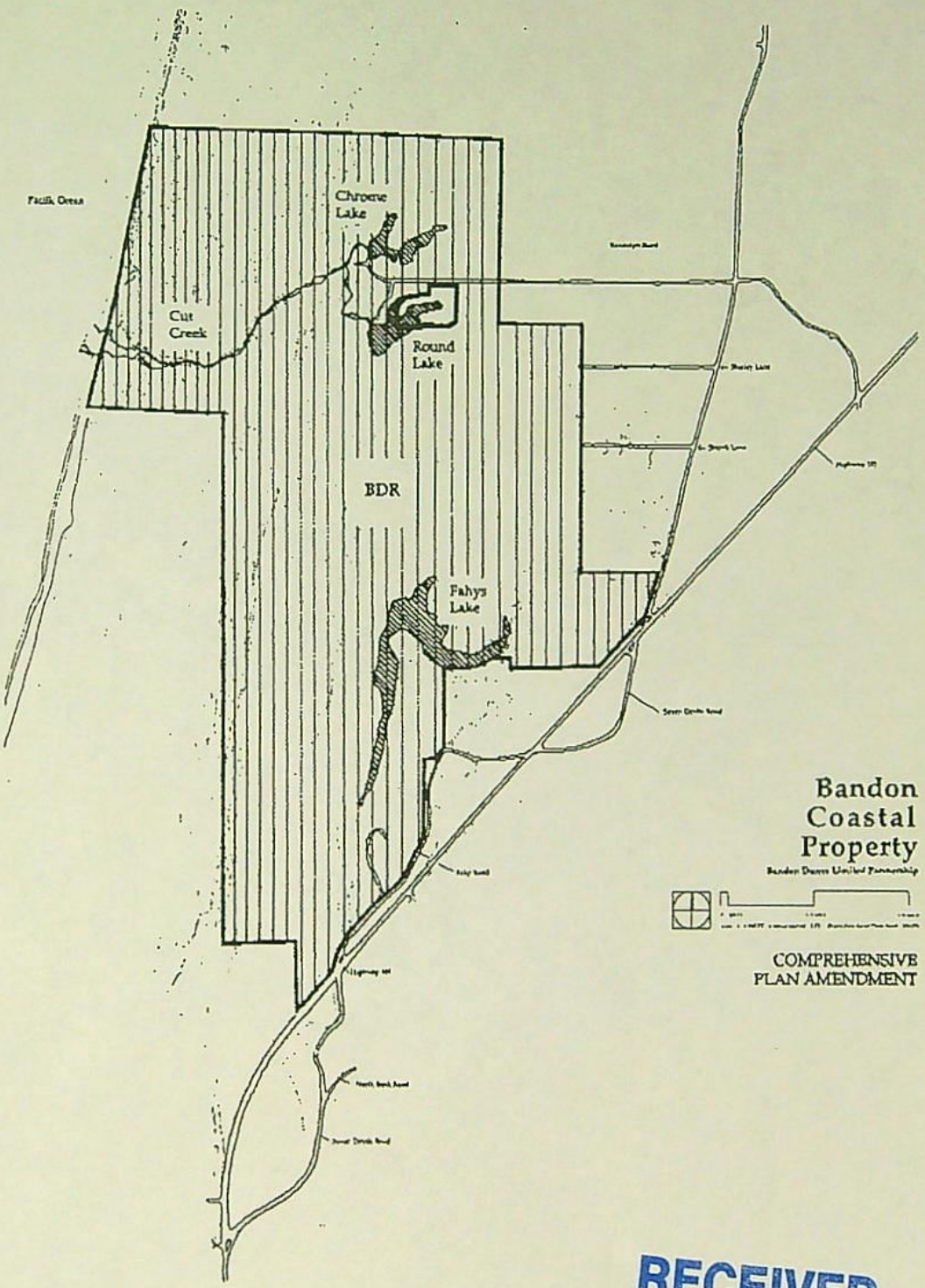
Signature: Laura Barron Date of Information Request: 1/8/98

file 27-13-...

Version: 6/15/92

EXHIBIT D

BANDON COASTAL DUNELANDS
FINAL DECISION



Comprehensive Plan Map Amendment

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

BOARD OF COMMISSIONERS

COUNTY OF COOS

STATE OF OREGON

IN THE MATTER OF AMENDING THE)
COOS COUNTY COMPREHENSIVE PLAN)
[Bandon Dunes Limited Partnership) ORDINANCE 96-03-003PL
Application AM-96-02/RZ-96-01])

The Board of Commissioners for the County of Coos ordains as follows:

SECTION 1. TITLE

This Ordinance shall be known as "Coos County Ordinance 96-03-003PL."

SECTION 2. AUTHORITY

This Ordinance is enacted pursuant to the provisions of ORS 203.035 and ORS Chapter 215.

SECTION 3. PURPOSE

The purpose of this Ordinance is to amend Volume I of the acknowledged Coos County Comprehensive Plan. This Ordinance therefore amends Coos County Ordinance 82-12-022L, and amendments thereto, which adopt Volume I of the Coos County Comprehensive Plan.

These amendments are necessary to:

a. Permit development of a destination resort substantially consistent with the statutory definition of an ORS Chapter 197 full-scale destination resort on the Coos County Coast where statutory resorts are not practicable because of the proximity of high-value crop areas in the form of cranberry farms.

b. Adopt a reasons exception to applicable Statewide Planning Goals and incorporate the exceptions, the reasons therefore, and measures demonstrating compliance with the standards for such exceptions into the Coos County Comprehensive Plan.

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

c. Make appropriate amendments to the Coos County Comprehensive Plan text and maps consistent with the findings and exception statement adopted hereby.

SECTION 4. COMPREHENSIVE PLAN TEXT AMENDMENTS

Coos County Ordinance 82-12-022L, and amendments thereto adopting Volume I of the Coos County Comprehensive Plan, are amended as necessary to change the text of the Coos County Comprehensive Plan (CCCP) as follows, with new matter shown in bold and deleted matter struck through:

1. CCCP Volume I, Part 1, Section 5.2, Land Use and Community Development Planning, Plan Implementation Strategies, Strategy No. 14, is amended as follows:

"14. Coos County shall structure its implementing ordinances to conform with the land use designations that descriptively map the general types of uses appropriate to specific areas of the County.

"This strategy shall be implemented by limiting the types of zones that may implement each plan designation, as prescribed in the following table:

"Plan Designation	Implementing Zone	
"Agriculture	Exclusive Agriculture	EFU
	Exclusive Agriculture-10	EFU-10
"Forest	Forest	F
"Recreation	Recreation	REC
"Industrial	Industrial	IND
	Airport Operations	AO
"South Slough Estuarine Sanctuary	South Slough	SS
"Minor Estuary	Minor Estuaries-Shorelands	MES
"Commercial	Commercial	C-1
"Rural Center	Rural Center	RC
"Rural Residential	Rural Residential	RR-5
	Rural Residential	RR-2
"Urban Residential	Urban Residential	UR-1
	Urban Residential	UR-2
	Urban Residential-Multi-Family	UR-M
"Controlled Development	Controlled Development-5	CD-5
	Controlled Development-10	CD-10
"Bandon Dunes Resort	**Bandon Dunes Resort**	**BDR**

"* * * * *"

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

2. CCCP Volume I, Part 1, Table 1, Approved Land Use Designations for Coos County Comprehensive Plan Map, is amended to add the following:

"11. BANDON DUNES RESORT AREA

"This designation is applied to a 1,215-acre area located north of the City of Bandon for which an exception to applicable statewide planning goals to permit a destination resort has been adopted as an amendment to this comprehensive plan."

3. CCCP Volume I, Part 1, Section 5.4, Forest Lands, Plan Implementation Strategies, Strategy No. 5, is amended as follows:

"5. ~~RESERVED~~ **Coos County may authorize the conversion of lands inventoried and designated as Forest to nonforest use upon approval of an exception to the statewide Forest Lands Goal."**

4. CCCP Volume I, Part 2, Section 3.8, Dunes and Non-Estuarine Coastal Shorelands, Coastal Lakes shorelands boundary delineation, is amended as follows:

"In any case, the band varies from place to place, and it would require extensive field survey to determine its precise width. For this reason, a uniform shoreland boundary extending horizontally 100 feet from the ordinary high water mark (unless floodplains or wetlands extend further) is proposed for coastal lakes outside the main coastal shorelands area. It is considered that 100 feet is sufficient in all situations to protect riparian vegetation **except that, as shown on Exhibit A, at two locations on the shore of Round Lake and one location on the shore of Fahys Lake, within the Bandon Coastal Dunelands Destination Resort Exception Area, for purposes of implementation of the destination resort as set out in the Bandon Coastal Dunelands Destination Resort Master Plan adopted as an element of this comprehensive plan, 50 feet has been determined to be sufficient.** This takes into account that while riparian species do not generally extend ~~that far~~ **100 feet from a coastal lake** unless a wetland exists, sometimes adjacent steep slopes, if developed, might become unstable and cause erosion or otherwise adversely affect riparian vegetation. The 100-foot boundary is intended as a site review area, within which development proposals would be examined to determine their effect on resources and minimize such effects. It is not implied that any development within this area would have an adverse impact on riparian resources."

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

5. CCCP Volume I, Part 3, Statewide Goal Exceptions, is amended to add the Bandon Coastal Dunelands Conservation, Recreation and Resort Development Master Plan (Exhibit B hereto) and supporting Land Use Findings and Goal Exception Statement for the Bandon Coastal Dunelands Exception Area (Exhibit C hereto). Exhibits B and C are incorporated herein and made part of the CCCP by this reference.

SECTION 5. COMPREHENSIVE PLAN MAP AMENDMENT

The 1215-acre subject property, referred to as the Bandon Coastal Dunelands Exception Area, is shown on Exhibit D and is described as follows:

T.27, R.14, S.32, Tax Lots 300, 400, 403, 600, 601, 602 and 603;

T.28, R.14, S.04, Tax Lots 1301 and 1500;

T.28, R.14, S.05, Tax Lots 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100 and 1200;

T.28, R.14, S.08, Tax Lots 100, 200, 300, 500 and 601; and

T.28, R.14, S.08A, Tax Lot 500.

Coos County Ordinance 82-12-022L, and amendments thereto adopting Volume I of the Coos County Comprehensive Plan, are amended as necessary to change the official Plan Map designation for the area described above and shown in Exhibit D from "Forest (F)" to "Bandon Dunes Resort (BDR)." Exhibit D attached hereto is adopted as the official plan map for said area.

SECTION 6. CONDITIONS

The amendments to the CCCP set out in Sections 4 and 5 of this Ordinance are approved subject to the following conditions subsequent:

1. Within 60 days after this Ordinance is finally adopted and all appeals therefrom are concluded, the applicant shall execute a Waiver of Right to Object to Forest and Farm Practices Management Easement (Exhibit E hereto) with respect to the area described in Section 5 of this Ordinance, and shall deliver the executed easement to the Coos County Planning Director for acceptance and recording.

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

2. Within 60 days after this Ordinance is finally adopted and all appeals therefrom are concluded, the applicant shall sign the Cooperative Improvement Agreement, Preliminary Engineering and Construction Finance, No. 14185 (Exhibit F hereto), and shall deliver the signed agreement to the Coos County Board of Commissioners and Oregon Department of Transportation for their signatures.

SECTION 7. FINDINGS

The review standards applicable to the above described comprehensive plan amendments and goal exceptions, together with the findings of fact and conclusions demonstrating that those standards have been satisfied, are set forth in Exhibit C, which is attached to and incorporated herein by this reference.

SECTION 8. REPEAL OF INCONSISTENT ORDINANCES

Coos County Ordinance 82-12-022L and amendments thereto are repealed to the extent they conflict with this Ordinance. Said Ordinances shall remain in full force and effect in all other respects.

SECTION 9. SEVERANCE CLAUSE

If any section, subsection, provision, clause, or paragraph of this Ordinance shall be adjudged or declared by any court of competent jurisdiction to be unconstitutional or invalid, such judgment shall not affect the validity of the remaining portions of this ordinance; and it is hereby expressly declared that every other section, subsection, provision, clause or paragraph of this Ordinance enacted, irrespective of the enactment or validity of the portion thereof declared to be unconstitutional or invalid, is valid.

SECTION 10. EMERGENCY CLAUSE

The Board of Commissioners for the County of Coos deems this Ordinance necessary for the immediate preservation and protection of the public peace, safety, health and general welfare of Coos County and declares an emergency exists, and this Ordinance shall be in full force and effect upon its passage.

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON

ADOPTED this ____ day of _____, 1996.

_____
Commissioner

_____
Commissioner

_____
Commissioner

ATTEST:

_____
Recording Secretary

APPROVED AS TO FORM:

_____
Office of the County Counsel

SIGNED this _____ day of _____, 1996

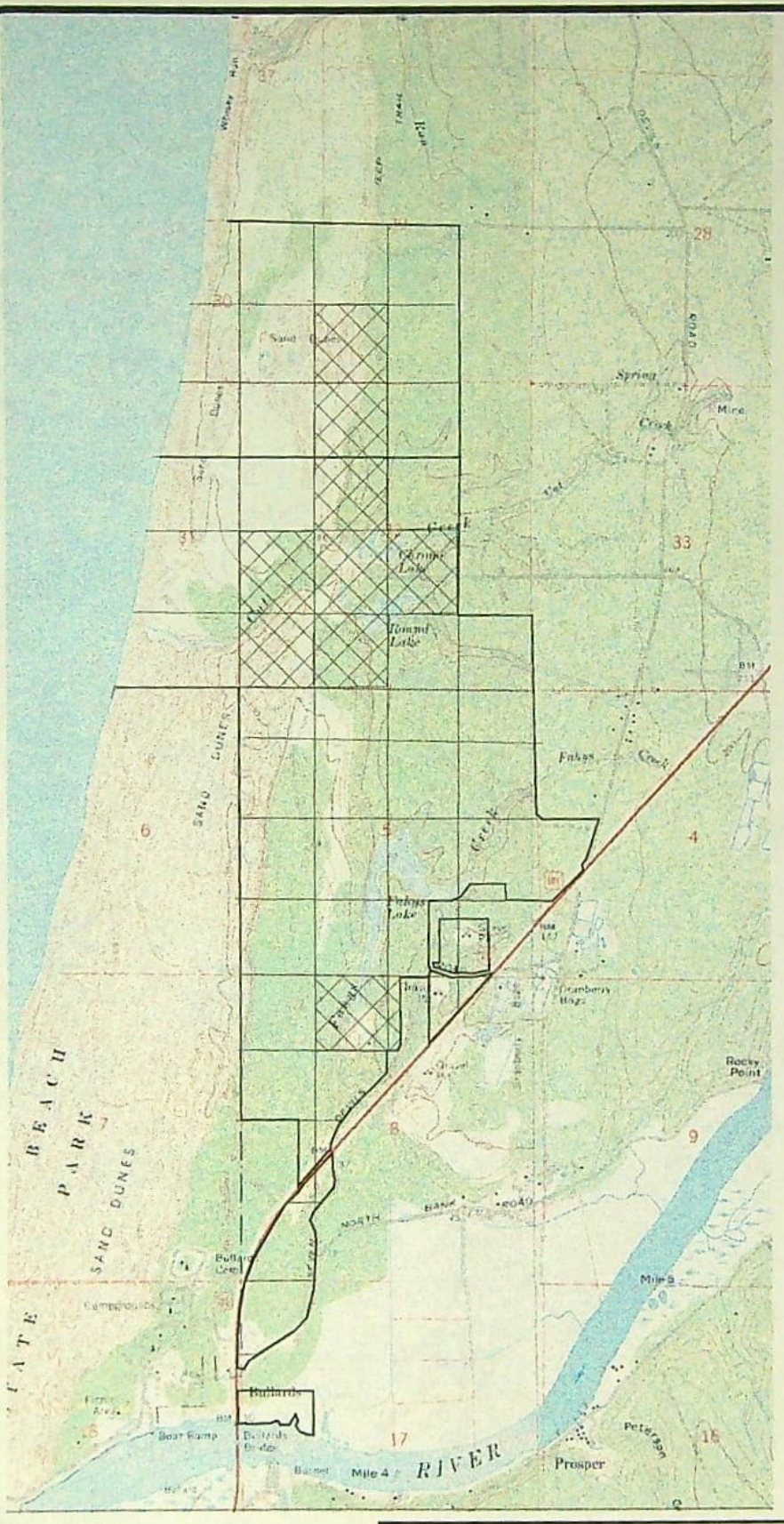
1st Reading: _____

2nd Reading: _____

Emergency Adoption: _____

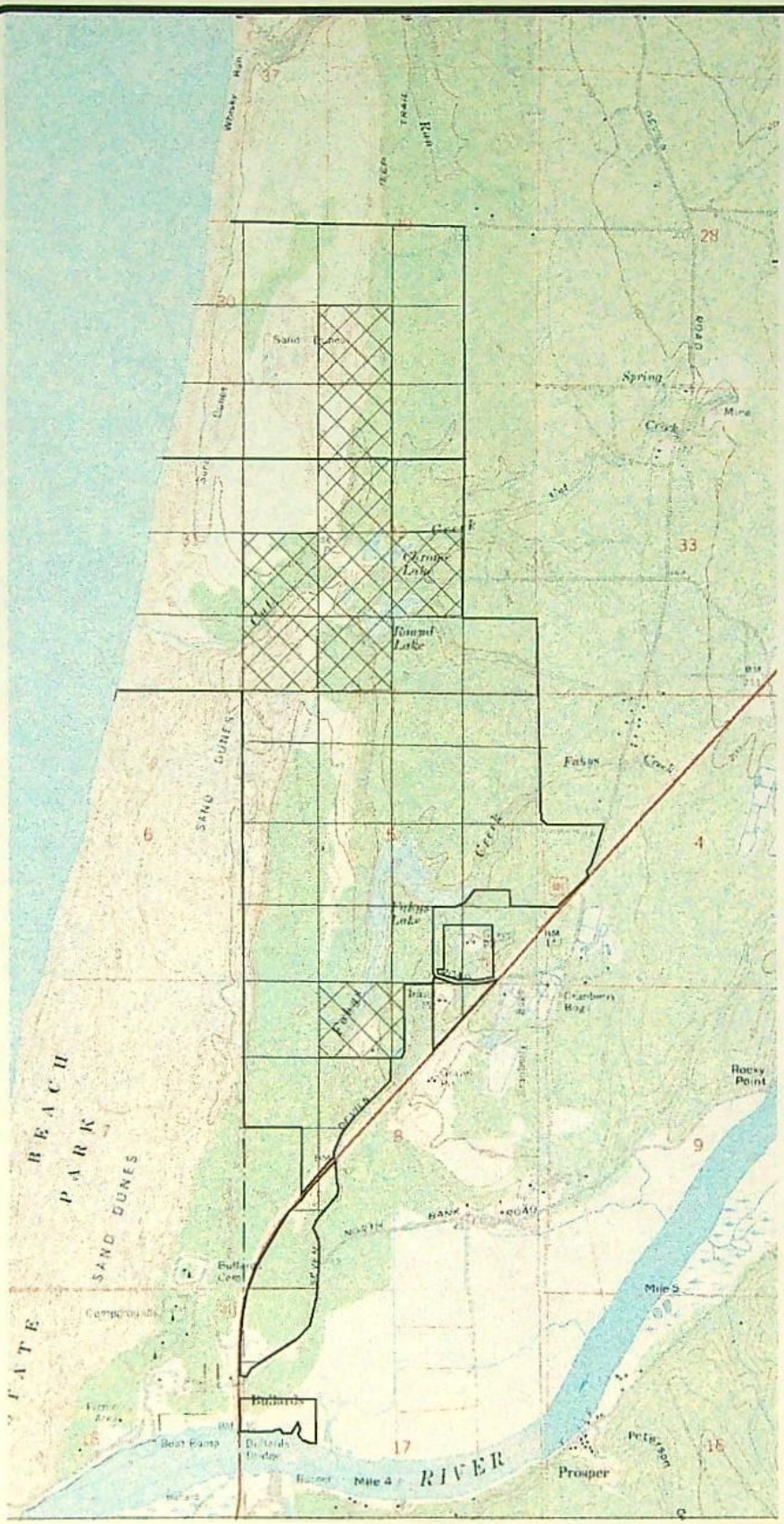
Effective Date: _____

RECEIVED
JAN - 9 1998
WATER RESOURCES DEPT.
SALEM, OREGON



EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Phone (541) 888-8322
FAX (541) 888-8087

Title Line 1
Title Line 2



EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Phone (541) 688-8322
FAX (541) 688-8087

Title Line 1
Title Line 2

File G-13577

EGR & Associates, Inc.
Engineers, Geologists, and Surveyors
2535 B Prairie Road
Eugene, Oregon 97402
(541) 688-8322

FAX

IF YOU HAVE ANY PROBLEMS WITH THIS TRANSMISSION, CALL (541)688-8322 OR FAX (541) 688-8087

Date 1/5/98

Number of pages including cover sheet 2

To:	From:
Laura Snedaker, Sr. Water Rights Examiner	Ralph Christensen
Phone	Phone (541) 688-8322
Fax Phone 503/378-8130	Fax Phone (541) 688-8087
CC:	

REMARKS:

☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please comment

Laura,

Please find attached, information as requested.

The information contained in this document is confidential and privileged, and is solely for the above named individual (s) or entity. If you have received this document in error, please send it immediately to its proper destination, or destroy it and contact us immediately at the number above. Any use or distribution of this document by any other person(s) than the intended receiver(s) or recipient(s) is prohibited.

Sheet1

TOWNSHIP, RANGE, SECTION, AND QUARTER QUARTERS IN WHICH COMMERCIAL USE IS TO OCCUR:

TOWNSHIP	RANGE	SECTION	1/16 SEC.	1/4 SEC.
27 S	14 W	29	SE	SW
27 S	14 W	32	SE	NW
27 S	14 W	32	NE	NW
27 S	14 W	32	NW	SW
27 S	14 W	32	SW	SW
27 S	14 W	32	SE	SW
27 S	14 W	32	NE	SW
27 S	14 W	32	NW	SE
28S	14W	8	NW	NE
28 S	14 W	8	NE	NW

Howard L. McKee, Architect

Date: January 5, 1998

To: Laura K. Snedaker, Senior Water Rights Examiner

From: Howard L. McKee

Total No. of Pages: 2

Message: Attached please find the completed Ownership/ Easement Form that was submitted previously but failed to show that all property is in the ownership of Mr. Keiser. For clarification, the property is held in the name of Bandon Dunes, LP, an Oregon corporation whose general partner is Cascade Ranch, Inc., a Delaware corporation whose president is Michael Keiser.

Mr. Christensen is following through with your other inquiry.

If you have other questions, please do not hesitate to call. We appreciate your attention to our application and look forward to your response.

2130 Lincoln Park West • Chicago, IL 60614 • (773) 281-0652
fascimile - (773) 281-1015 • e-mail - hlmckee@aol.com

OWNERSHIP/EASEMENT FORM

1. Do you own all property related to this application?

   YES / NO
   (circle your answer)

   If you answered "NO," please submit the names and addresses of the legal owners of all property related to this application that you do not own.

2. If you answered "NO" to question #1 above, do you have written authorization or an easement permitting access to the land you do not own?

   YES / NO / NOT APPLICABLE (I answered "YES" to #1.)
   (circle your answer)

I understand that if I do not own all property associated with this application, I may be required to submit a copy of my written authorization or easement for access before a permit can be issued.

SIGNATURE: Michael K Cain TITLE: PMS DATE: 12/11/97

RECEIVED
DEC 11 1997
WATER RESOURCES DEPT.
SALEM, OREGON

EGR & Associates, Inc.

Engineers, Geologists and Surveyors

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

December 10, 1997

RECEIVED
DEC 11 1997
WATER RESOURCES DEPT.
SALEM, OREGON

Laura Snedaker
Oregon Water Resources Departement
Commerce Building
158 12th Street NE
Salem, Oregon 97310-0210

Dear Ms. Snedaker:

Please find attached, information you requested in your November 26, 1997 letter to Ralph Christensen of this office. This attachment includes responses to all of the items except for the ownership/easement form and Oath Form. We have forwarded these items to the owners agent and have not received the signed forms back. We will forward these to you upon receipt.

If you have any questions or need additional information in this regard, please call myself or Ralph Christensen at (541) 688-8322. Thank you.

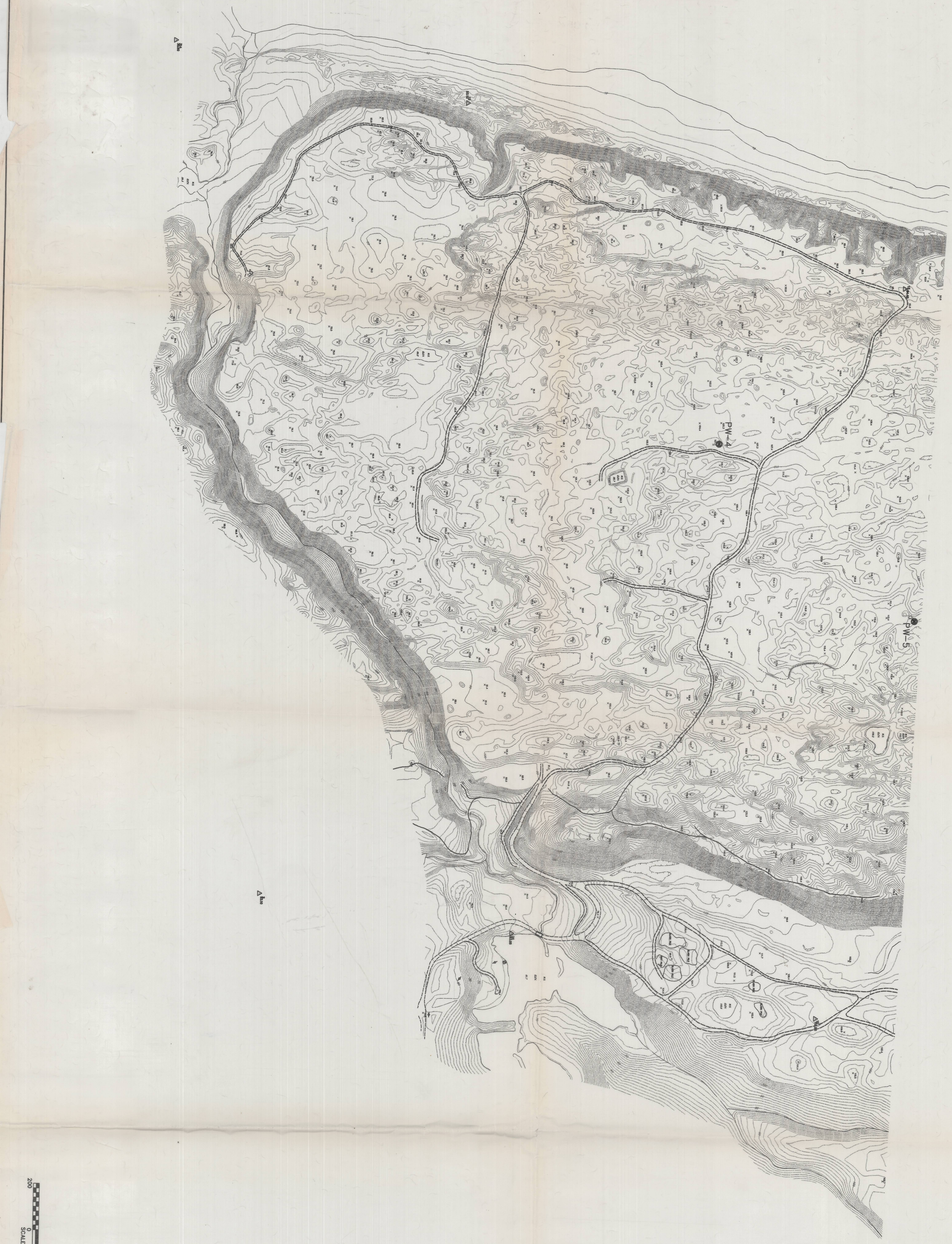
Respectfully submitted,
EGR & Associates, Inc.

Phillip Stallings, R.G.
Geologist

Cad Information
Model Space M-
Main File COMB

Plot Date 7/14/97
Paper Space P1
Xreference XREF.DWG

Project BANDON
Project Manager S. HUGHES
Designed by G. HUGHES
Drawn by C. BURK



Sheet Number 1 OF 1

Date 7/14/97
Job Number XXX
Design by S. HUGHES
Drawn by C. BURK
Checked by S. HUGHES

No	Description of Revisions	Date	Name

BANDON COASTAL DUNES

WELL LOCATIONS

EGR & Associates,
Engineers, Geologists and Surveyors
2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8
Fax (541) 688-

Oregon Water Resources Department

FORM I

FOR IRRIGATION WATER USE

RECEIVED
DEC 11 1997
WATER RESOURCES DEPT
SALEM, OREGON

1. Please indicate whether you are requesting a primary or supplemental irrigation water right.

☒ Primary ☐ Supplemental

If supplemental, please indicate the number of acres that will be irrigated for each type of use.

Primary: 1024.5 Acres

Secondary: 0 Acres

List the permit or certificate number of the primary water right: no. N/A

2. Please list the anticipated crops you will grow and whether you will be irrigating them for a full or partial season:

1. Golf course turf & resort landscaping ☒ Full season ☐ Partial season (from: Jan. 1 to Dec. 31)
2. _____ ☐ Full season ☐ Partial season (from: _____ to _____)
3. _____ ☐ Full season ☐ Partial season (from: _____ to _____)
4. _____ ☐ Full season ☐ Partial season (from: _____ to _____)

3. Indicate the maximum total number of acre-feet you expect to use in an irrigation season:

890 acre-feet

(1 acre-foot equals 12 inches of water spread over one acre, or 43,560 cubic feet, or 325,851 gallons.)

4. How will you schedule your applications of water? Will you be applying water in the evenings, twice a week, daily?

☐ Daily during daytime hours
☒ Daily during nighttime hours
☐ Two or three times weekly during daytime
☐ Two or three times weekly during nighttime
☐ Weekly, during daytime hours
☐ Weekly, during nighttime hours
☐ Other, explain: _____

The irrigation area map shows those areas where potentially irrigation will be installed. We expect the actual acreage irrigated will fall below 500 acres total during the proof survey. The actual specific locations of irrigated areas will not be known until the golf courses and landscaping are all installed. The irrigation pattern for this type of development is very site dependent and will be constructed in the field. The quantity of water to be used for irrigation, commercial uses, and domestic uses will not change from the total 3.55 cfs requested in the May 27, 1997 letter to Jake Szramck. About 0.25 cfs will be used for commercial enterprises of hotels, restaurants, club houses, golf pro shops, banquet and convention facilities, and other commercial activities directly related to the destination resort. An additional 0.24 cfs will be used for domestic users. The remaining 3.06 cfs will be used for irrigation on three (3) golf courses and resort landscaping probably totaling less than 500 acres but scattered over the 1024.5 acres listed on the maps by quarter quarter section. We will not exceed the 3.06 cfs nor 890 acre feet per year irrigation rate and duty.

RECEIVED
DEC 11 1997
WATER RESOURCES DEPT.
SALEM, OREGON

Oregon Water Resources Department

FORM Q

FOR COMMERCIAL, INDUSTRIAL, ~~AND QUASI-MUNICIPAL WATER USES~~

RECEIVED
DEC 11 1997
WATER RESOURCES DEPT.
SALEM, OREGON

1. Describe the goods and services you plan to provide:

Overnight lodging, Restaurant, Lounge, Snack bar/Deli, Golf Pro-shop,

Banquet facilities, Conference center and domestic users.

2. What is the maximum amount of water that will be used on any given day:

.46 total ≈ 0.24 domestic 0.25 commercial ☒ cfs ☐ gpm

(this includes domestic users as well)

3. Are there periods of the day, week, month, or year that the water will not be used? *(e.g. weekends the plant is closed)*

☒ No ☐ Yes If so, when? _____

4. Is there a particular time or period of day, week, month, or year when the use of water is absolutely essential for the project to continue? *(e.g. vegetable processing, Oct. 15-Nov. 15)*

☐ No ☒ Yes If so, when? Every day of the year

5. Are there periods of the day week, month, or year where the amount of water used will be less than at peak times?

☐ No ☒ Yes If so, when? Winter months, late night

RECEIVED
DEC 11 1997
WATER RESOURCES DEPT.
SALEM, OREGON

OATH

I/We certify that the information I have provided in application # G-13577 is an accurate representation of the proposed water use and is true and correct to the best of my knowledge.

Signature	Title	Date
Michael Klein	Pres	12/11/97
Signature	Title	Date
Signature	Title	Date
Signature	Title	Date

FROM RPG-LNG : MCKEE, CHICAGO, ILL 08-07-97 ... PHONE NO. 3061079627 P05
TAX

OWNERSHIP/EASEMENT FORM

1. Do you own all property related to this application?

YES / NO
(circle your answer)

Ralph Christensen for Mike Kaser

If you answered "NO," please submit the names and addresses of the legal owners of all property related to this application that you do not own.

2. If you answered "NO" to question #1 above, do you have written authorization or an easement permitting access to the lands you do not own?

YES / NO / NOT APPLICABLE (I answered "YES" to #1.)
(circle your answer)

I understand that if I do not own all property associated with this application, I may be required to submit a copy of my written authorization or easement for access before a permit can be issued.

SIGNATURE: Michael K Kaser TITLE: PMS DATE: 12/11/97

RECEIVED
DEC 11 1997
WATER RESOURCES DEPT
SALEM, OREGON

*** END OF DOCUMENT ***

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "*Return Receipt Requested*" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Ralph Christensen
EGR & Assoc Inc
2535 B Prairie Rd.
Eugene OR 97402
G-13577

4a. Article Number

P- 562270

4b. Service Type

☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

JD 1-2-98

5. Received By: *(Print Name)*

Ralph Christensen

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*

X Ralph Christensen

Thank you for using Return Receipt Service.

PS Form **3811,** December 1994 102595-97-B-0179 Domestic Return Receipt

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

WATER RESOURCES DEPT
158 12TH ST NE
SALEM OR 97310

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

CERTIFIED MAIL
Return Receipt Requested

December 31, 1997

Ralph Christensen
EGR & Associates, Inc.
2535 B Prairie Road
Eugene, Oregon 97402

RE: Application File # G-13577

Dear Mr. Christensen:

The Department received the requested revised application maps and additional application materials on December 11, 1997. Based upon review of the material submitted, the Department has determined that the following additional information is necessary:

- Identify the township, range, section, and quarter quarters in which commercial use is to occur.

- Also, please clarify whether the Oath and Ownership/Easement Forms submitted are the completed forms or if they are still pending. If these are the completed forms, then the Ownership/Easement form has not been completely filled out. A copy of the form received is enclosed for your reference.

Please submit this item by **January 14, 1998**. If we do not receive the item requested above by this date, we **may** reject your application consistent with ORS 537.153. If your application is rejected, any fees submitted in excess of the examination fee will be refunded; however, the examination fee is non-refundable and will not be returned. In addition, the priority date associated with your application will be lost.

Should you have any questions regarding your application or the required materials listed above, or if you need to request an extension of time, please call me at (503) 378-8455, extension 331, or toll free within Oregon at 1-800-624-3199.

Sincerely,

Laura K. Snedaker
Senior Water Rights Examiner

Enclosures: Ownership/Easement Form

cc: John Drolet, Watermaster District 19
Bandon Dunes Limited Partnership (Applicant)

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Ralph Christensen
EGR & Associates, Inc.
2535 B Prairie Road
Eugene, OR 97402

G-13577

4a. Article Number
P 562 45

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery
12-1-97

5. Received By: *(Print Name)*

6. Signature: *(Addressee or Agent)*
X

8. Addressee's Address *(Only if requested and fee is paid)*

PS Form **3811**, December 1994 102595-97-B-0179 Domestic Return Receipt

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

WATER RESOURCES DEPARTMENT
158 12TH ST. N.E.
SALEM, OR 97310

Oregon
John A. Kitzhaber, M.D., Governor

Water Resources Department
Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
130

9:24
Steve Rocca - EGR
G-13577
Bandon Dunes
* 541-688-8322
ok as long as shows other map requirements
Could have conceptual plan

November 26, 1997

Ralph Christensen
EGR & Associates, Inc
2535 B Prairie Road
Eugene, Oregon 9740

RE: Application File # G-13577

Dear Mr. Christensen:

Based upon further review of the application the Department has determined that additional information is necessary in order to complete your application for water use. The following information must be received:

- A revised application map showing the following additional information:

  The location of the place of use and the wells by township, range, section, quarter quarter section and by tax lot.

  The coordinates, from a recognized public land survey corner, to each of the proposed well locations. The coordinates are the distances east or west and north or south from recognized public land survey corner, such as a section corner.

  The number of acres to be irrigated in each quarter quarter section.

  The location of each of the 500 residential dwellings.

  The location(s) of the commercial use.

  If applicable, the maps must also show the location of main canals, pipelines, ditches or flumes.

  The scale of the map must be not less then 4 inches = 1 mile.

9:24

Steve Recca - EGR

G-13577

Brandon Dames

*541-688-8322

Low level
Conceptual
Plan

or as long as shows other map requirements

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

CERTIFIED MAIL
Return Receipt Requested

November 26, 1997

Ralph Christensen
EGR & Associates, Inc.
2535 B Prairie Road
Eugene, Oregon 97402

RE: Application File # G-13577

Dear Mr. Christensen:

Based upon further review of the application the Department has determined that additional information is necessary in order to complete your application for water use. The following information must be received:

- A revised application map showing the following additional information:

  The location of the place of use and the wells by township, range, section, quarter quarter section and by tax lot.

  The coordinates, from a recognized public land survey corner, to each of the proposed well locations. The coordinates are the distances east or west and north or south from recognized public land survey corner, such as a section corner.

  The number of acres to be irrigated in each quarter quarter section.

  The location of each of the 500 residential dwellings.

  The location(s) of the commercial use.

  If applicable, the maps must also show the location of main canals, pipelines, ditches or flumes.

  The scale of the map must be not less then 4 inches = 1 mile.

If the map is larger than 11 inches by 17 inches, four copies must be submitted or the map must be drawn on tracing linen, tracing vellum or mylar.

- Please fill out the enclosed ownership/easement form. Please clarify whether the applicant owns all of the lands affected by this application. Affected lands include the proposed diversion site, place of use, and access for conveying the water. This would include any city, county and/or state roads crossed by the proposed diversion works.

  If all lands are not owned by the applicant, please include the names and complete mailing addresses of the affected land owners. Also identify whether the applicant has written authorization, easements, and/or permits allowing access to the affected lands not owned by the applicant.

- Please fill out and return the enclosed Form I, a supplemental form for Irrigation water use, and Form Q, a supplemental form for Commercial water use.

- Please have the applicant sign the enclosed Oath Form.

Please submit this item by **December 11, 1997**. If we do not receive the item requested above by this date, we **may** reject your application consistent with ORS 537.153. If your application is rejected, any fees submitted in excess of the examination fee will be refunded; however, the examination fee is non-refundable and will not be returned. In addition, the priority date associated with your application will be lost.

Should you have any questions regarding your application or the required materials listed above, or if you need to request an extension of time, please call me at (503) 378-8455, extension 331, or toll free within Oregon at 1-800-624-3199.

Sincerely,

Laura K. Snedaker

Laura K. Snedaker
Senior Water Rights Examiner

Enclosures: Copies of Application Maps
Department Map Requirements
Example Map for Irrigation Use
Ownership/Easement Form
Oath Form, Forms I & Q

cc: John Drolet, Watermaster District 19
Bandon Dunes Limited Partnership (Applicant)

LKS

12-10-97

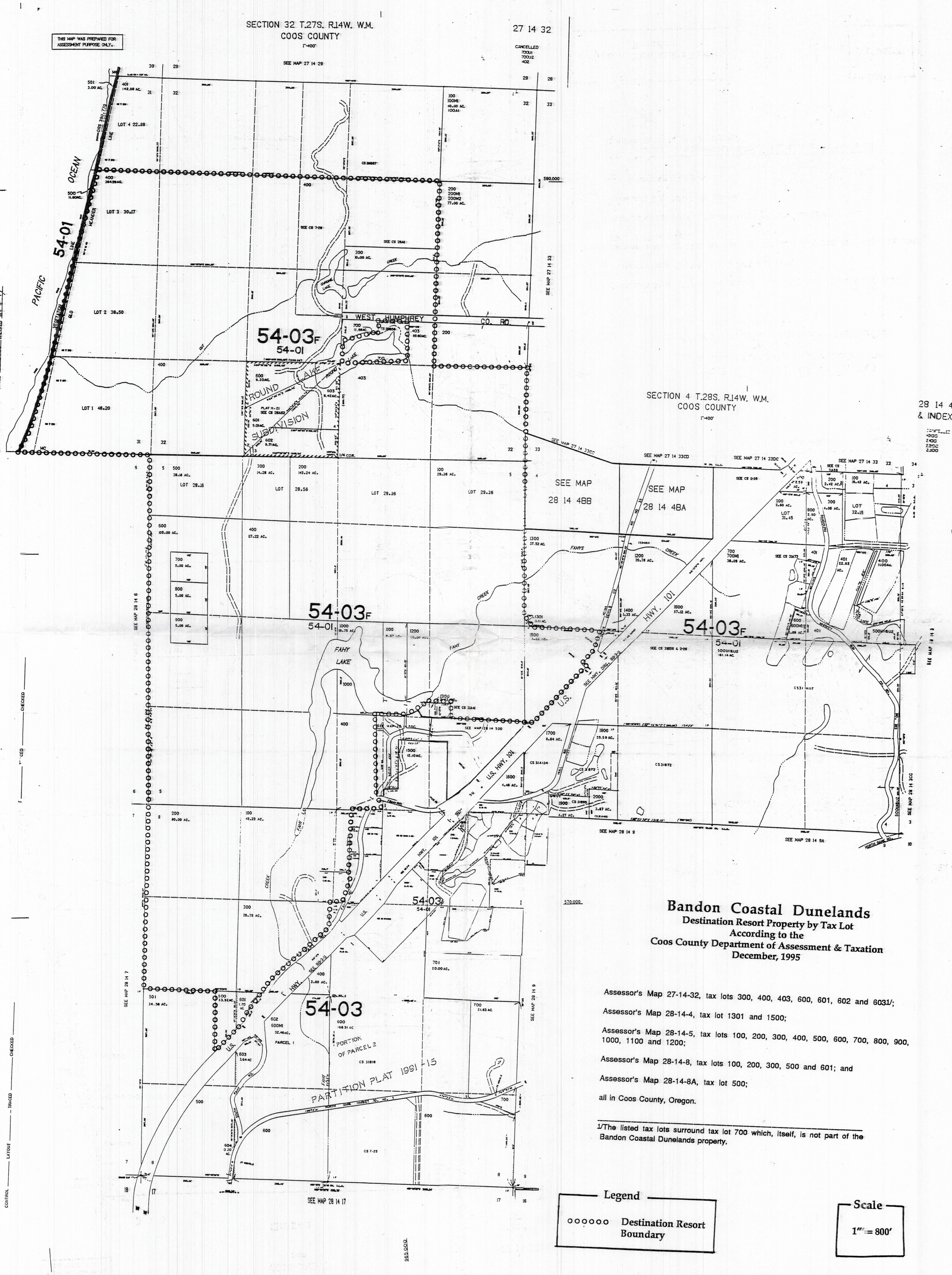
Phil Scallings - EGR

re Bandon Dunes

Application materials ~~to~~ are being sent

W/ exception of Oath

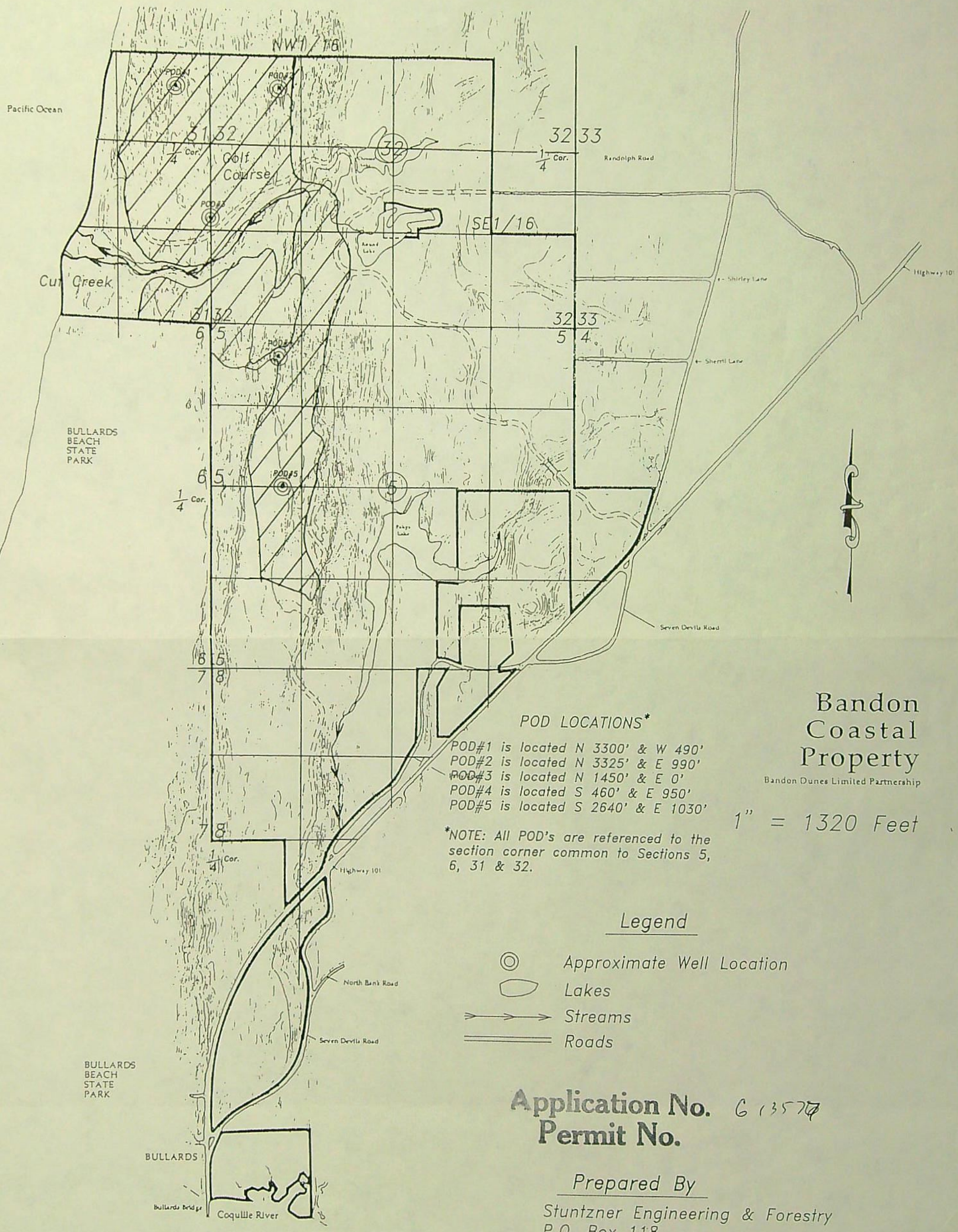
this has been sent to the applicant's agent


SECTION 32 T.27S. R.14W. W.M.
COOS COUNTY
1"=400'
27 14 32
THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY.
CANCELLED
700U1
700U2
402
SEE MAP 27 14 29
SEE MAP 27 14 33
SECTION 4 T.28S. R.14W. W.M.
COOS COUNTY
1"=400'
28 14 4
& INDEX
54-03F
54-01
54-03
PACIFIC OCEAN
WEST HUMPHREY CO. RD.
ROUND LAKE
SUBDIVISION
FAHY LAKE
FAHYS CREEK
HWY. 101
U.S. HWY. 101
PARTITION PLAT 1991-15
SEE MAP 28 14 4BB
SEE MAP 28 14 4BA
SEE MAP 28 14 6
SEE MAP 28 14 7
SEE MAP 28 14 9
SEE MAP 28 14 9A
SEE MAP 28 14 17
SEE MAP 28 14 3CC
LOT 4 22.88
LOT 3 30.17
LOT 2 38.50
LOT 1 46.20
LOT 28.16
LOT 28.56
LOT 29.36
LOT 29.36
LOT 31.45
LOT 32.15
CS 26857
CS 31A59
CS 31A73
CS 31A134
CS 31872
CS 31899
CS 31A117
CS 31A141
CS 31B35 & 2-26
CS 31818
CS 7-29
CS 7-25
CS 28A52
CS 28A41
CS 28A65
CS 31A72
CS 31B94
CS 31B96
CS 31B98
CS 31B99
CS 31B100
CS 31B101
CS 31B102
CS 31B103
CS 31B104
CS 31B105
CS 31B106
CS 31B107
CS 31B108
CS 31B109
CS 31B110
CS 31B111
CS 31B112
CS 31B113
CS 31B114
CS 31B115
CS 31B116
CS 31B117
CS 31B118
CS 31B119
CS 31B120
CS 31B121
CS 31B122
CS 31B123
CS 31B124
CS 31B125
CS 31B126
CS 31B127
CS 31B128
CS 31B129
CS 31B130
CS 31B131
CS 31B132
CS 31B133
CS 31B134
CS 31B135
CS 31B136
CS 31B137
CS 31B138
CS 31B139
CS 31B140
CS 31B141
CS 31B142
CS 31B143
CS 31B144
CS 31B145
CS 31B146
CS 31B147
CS 31B148
CS 31B149
CS 31B150
CS 31B151
CS 31B152
CS 31B153
CS 31B154
CS 31B155
CS 31B156
CS 31B157
CS 31B158
CS 31B159
CS 31B160
CS 31B161
CS 31B162
CS 31B163
CS 31B164
CS 31B165
CS 31B166
CS 31B167
CS 31B168
CS 31B169
CS 31B170
CS 31B171
CS 31B172
CS 31B173
CS 31B174
CS 31B175
CS 31B176
CS 31B177
CS 31B178
CS 31B179
CS 31B180
CS 31B181
CS 31B182
CS 31B183
CS 31B184
CS 31B185
CS 31B186
CS 31B187
CS 31B188
CS 31B189
CS 31B190
CS 31B191
CS 31B192
CS 31B193
CS 31B194
CS 31B195
CS 31B196
CS 31B197
CS 31B198
CS 31B199
CS 31B200
CS 31B201
CS 31B202
CS 31B203
CS 31B204
CS 31B205
CS 31B206
CS 31B207
CS 31B208
CS 31B209
CS 31B210
CS 31B211
CS 31B212
CS 31B213
CS 31B214
CS 31B215
CS 31B216
CS 31B217
CS 31B218
CS 31B219
CS 31B220
CS 31B221
CS 31B222
CS 31B223
CS 31B224
CS 31B225
CS 31B226
CS 31B227
CS 31B228
CS 31B229
CS 31B230
CS 31B231
CS 31B232
CS 31B233
CS 31B234
CS 31B235
CS 31B236
CS 31B237
CS 31B238
CS 31B239
CS 31B240
CS 31B241
CS 31B242
CS 31B243
CS 31B244
CS 31B245
CS 31B246
CS 31B247
CS 31B248
CS 31B249
CS 31B250
CS 31B251
CS 31B252
CS 31B253
CS 31B254
CS 31B255
CS 31B256
CS 31B257
CS 31B258
CS 31B259
CS 31B260
CS 31B261
CS 31B262
CS 31B263
CS 31B264
CS 31B265
CS 31B266
CS 31B267
CS 31B268
CS 31B269
CS 31B270
CS 31B271
CS 31B272
CS 31B273
CS 31B274
CS 31B275
CS 31B276
CS 31B277
CS 31B278
CS 31B279
CS 31B280
CS 31B281
CS 31B282
CS 31B283
CS 31B284
CS 31B285
CS 31B286
CS 31B287
CS 31B288
CS 31B289
CS 31B290
CS 31B291
CS 31B292
CS 31B293
CS 31B294
CS 31B295
CS 31B296
CS 31B297
CS 31B298
CS 31B299
CS 31B300
CS 31B301
CS 31B302
CS 31B303
CS 31B304
CS 31B305
CS 31B306
CS 31B307
CS 31B308
CS 31B309
CS 31B310
CS 31B311
CS 31B312
CS 31B313
CS 31B314
CS 31B315
CS 31B316
CS 31B317
CS 31B318
CS 31B319
CS 31B320
CS 31B321
CS 31B322
CS 31B323
CS 31B324
CS 31B325
CS 31B326
CS 31B327
CS 31B328
CS 31B329
CS 31B330
CS 31B331
CS 31B332
CS 31B333
CS 31B334
CS 31B335
CS 31B336
CS 31B337
CS 31B338
CS 31B339
CS 31B340
CS 31B341
CS 31B342
CS 31B343
CS 31B344
CS 31B345
CS 31B346
CS 31B347
CS 31B348
CS 31B349
CS 31B350
CS 31B351
CS 31B352
CS 31B353
CS 31B354
CS 31B355
CS 31B356
CS 31B357
CS 31B358
CS 31B359
CS 31B360
CS 31B361
CS 31B362
CS 31B363
CS 31B364
CS 31B365
CS 31B366
CS 31B367
CS 31B368
CS 31B369
CS 31B370
CS 31B371
CS 31B372
CS 31B373
CS 31B374
CS 31B375
CS 31B376
CS 31B377
CS 31B378
CS 31B379
CS 31B380
CS 31B381
CS 31B382
CS 31B383
CS 31B384
CS 31B385
CS 31B386
CS 31B387
CS 31B388
CS 31B389
CS 31B390
CS 31B391
CS 31B392
CS 31B393
CS 31B394
CS 31B395
CS 31B396
CS 31B397
CS 31B398
CS 31B399
CS 31B400
CS 31B401
CS 31B402
CS 31B403
CS 31B404
CS 31B405
CS 31B406
CS 31B407
CS 31B408
CS 31B409
CS 31B410
CS 31B411
CS 31B412
CS 31B413
CS 31B414
CS 31B415
CS 31B416
CS 31B417
CS 31B418
CS 31B419
CS 31B420
CS 31B421
CS 31B422
CS 31B423
CS 31B424
CS 31B425
CS 31B426
CS 31B427
CS 31B428
CS 31B429
CS 31B430
CS 31B431
CS 31B432
CS 31B433
CS 31B434
CS 31B435
CS 31B436
CS 31B437
CS 31B438
CS 31B439
CS 31B440
CS 31B441
CS 31B442
CS 31B443
CS 31B444
CS 31B445
CS 31B446
CS 31B447
CS 31B448
CS 31B449
CS 31B450
CS 31B451
CS 31B452
CS 31B453
CS 31B454
CS 31B455
CS 31B456
CS 31B457
CS 31B458
CS 31B459
CS 31B460
CS 31B461
CS 31B462
CS 31B463
CS 31B464
CS 31B465
CS 31B466
CS 31B467
CS 31B468
CS 31B469
CS 31B470
CS 31B471
CS 31B472
CS 31B473
CS 31B474
CS 31B475
CS 31B476
CS 31B477
CS 31B478
CS 31B479
CS 31B480
CS 31B481
CS 31B482
CS 31B483
CS 31B484
CS 31B485
CS 31B486
CS 31B487
CS 31B488
CS 31B489
CS 31B490
CS 31B491
CS 31B492
CS 31B493
CS 31B494
CS 31B495
CS 31B496
CS 31B497
CS 31B498
CS 31B499
CS 31B500
CS 31B501
CS 31B502
CS 31B503
CS 31B504
CS 31B505
CS 31B506
CS 31B507
CS 31B508
CS 31B509
CS 31B510
CS 31B511
CS 31B512
CS 31B513
CS 31B514
CS 31B515
CS 31B516
CS 31B517
CS 31B518
CS 31B519
CS 31B520
CS 31B521
CS 31B522
CS 31B523
CS 31B524
CS 31B525
CS 31B526
CS 31B527
CS 31B528
CS 31B529
CS 31B530
CS 31B531
CS 31B532
CS 31B533
CS 31B534
CS 31B535
CS 31B536
CS 31B537
CS 31B538
CS 31B539
CS 31B540
CS 31B541
CS 31B542
CS 31B543
CS 31B544
CS 31B545
CS 31B546
CS 31B547
CS 31B548
CS 31B549
CS 31B550
CS 31B551
CS 31B552
CS 31B553
CS 31B554
CS 31B555
CS 31B556
CS 31B557
CS 31B558
CS 31B559
CS 31B560
CS 31B561
CS 31B562
CS 31B563
CS 31B564
CS 31B565
CS 31B566
CS 31B567
CS 31B568
CS 31B569
CS 31B570
CS 31B571
CS 31B572
CS 31B573
CS 31B574
CS 31B575
CS 31B576
CS 31B577
CS 31B578
CS 31B579
CS 31B580
CS 31B581
CS 31B582
CS 31B583
CS 31B584
CS 31B585
CS 31B586
CS 31B587
CS 31B588
CS 31B589
CS 31B590
CS 31B591
CS 31B592
CS 31B593
CS 31B594
CS 31B595
CS 31B596
CS 31B597
CS 31B598
CS 31B599
CS 31B600
CS 31B601
CS 31B602
CS 31B603
CS 31B604
CS 31B605
CS 31B606
CS 31B607
CS 31B608
CS 31B609
CS 31B610
CS 31B611
CS 31B612
CS 31B613
CS 31B614
CS 31B615
CS 31B616
CS 31B617
CS 31B618
CS 31B619
CS 31B620
CS 31B621
CS 31B622
CS 31B623
CS 31B624
CS 31B625
CS 31B626
CS 31B627
CS 31B628
CS 31B629
CS 31B630
CS 31B631
CS 31B632
CS 31B633
CS 31B634
CS 31B635
CS 31B636
CS 31B637
CS 31B638
CS 31B639
CS 31B640
CS 31B641
CS 31B642
CS 31B643
CS 31B644
CS 31B645
CS 31B646
CS 31B647
CS 31B648
CS 31B649
CS 31B650
CS 31B651
CS 31B652
CS 31B653
CS 31B654
CS 31B655
CS 31B656
CS 31B657
CS 31B658
CS 31B659
CS 31B660
CS 31B661
CS 31B662
CS 31B663
CS 31B664
CS 31B665
CS 31B666
CS 31B667
CS 31B668
CS 31B669
CS 31B670
CS 31B671
CS 31B672
CS 31B673
CS 31B674
CS 31B675
CS 31B676
CS 31B677
CS 31B678
CS 31B679
CS 31B680
CS 31B681
CS 31B682
CS 31B683
CS 31B684
CS 31B685
CS 31B686
CS 31B687
CS 31B688
CS 31B689
CS 31B690
CS 31B691
CS 31B692
CS 31B693
CS 31B694
CS 31B695
CS 31B696
CS 31B697
CS 31B698
CS 31B699
CS 31B700
CS 31B701
CS 31B702
CS 31B703
CS 31B704
CS 31B705
CS 31B706
CS 31B707
CS 31B708
CS 31B709
CS 31B710
CS 31B711
CS 31B712
CS 31B713
CS 31B714
CS 31B715
CS 31B716
CS 31B717
CS 31B718
CS 31B719
CS 31B720
CS 31B721
CS 31B722
CS 31B723
CS 31B724
CS 31B725
CS 31B726
CS 31B727
CS 31B728
CS 31B729
CS 31B730
CS 31B731
CS 31B732
CS 31B733
CS 31B734
CS 31B735
CS 31B736
CS 31B737
CS 31B738
CS 31B739
CS 31B740
CS 31B741
CS 31B742
CS 31B743
CS 31B744
CS 31B745
CS 31B746
CS 31B747
CS 31B748
CS 31B749
CS 31B750
CS 31B751
CS 31B752
CS 31B753
CS 31B754
CS 31B755
CS 31B756
CS 31B757
CS 31B758
CS 31B759
CS 31B760
CS 31B761
CS 31B762
CS 31B763
CS 31B764
CS 31B765
CS 31B766
CS 31B767
CS 31B768
CS 31B769
CS 31B770
CS 31B771
CS 31B772
CS 31B773
CS 31B774
CS 31B775
CS 31B776
CS 31B777
CS 31B778
CS 31B779
CS 31B780
CS 31B781
CS 31B782
CS 31B783
CS 31B784
CS 31B785
CS 31B786
CS 31B787
CS 31B788
CS 31B789
CS 31B790
CS 31B791
CS 31B792
CS 31B793
CS 31B794
CS 31B795
CS 31B796
CS 31B797
CS 31B798
CS 31B799
CS 31B800
CS 31B801
CS 31B802
CS 31B803
CS 31B804
CS 31B805
CS 31B806
CS 31B807
CS 31B808
CS 31B809
CS 31B810
CS 31B811
CS 31B812
CS 31B813
CS 31B814
CS 31B815
CS 31B816
CS 31B817
CS 31B818
CS 31B819
CS 31B820
CS 31B821
CS 31B822
CS 31B823
CS 31B824
CS 31B825
CS 31B826
CS 31B827
CS 31B828
CS 31B829
CS 31B830
CS 31B831
CS 31B832
CS 31B833
CS 31B834
CS 31B835
CS 31B836
CS 31B837
CS 31B838
CS 31B839
CS 31B840
CS 31B841
CS 31B842
CS 31B843
CS 31B844
CS 31B845
CS 31B846
CS 31B847
CS 31B848
CS 31B849
CS 31B850
CS 31B851
CS 31B852
CS 31B853
CS 31B854
CS 31B855
CS 31B856
CS 31B857
CS 31B858
CS 31B859
CS 31B860
CS 31B861
CS 31B862
CS 31B863
CS 31B864
CS 31B865
CS 31B866
CS 31B867
CS 31B868
CS 31B869
CS 31B870
CS 31B871
CS 31B872
CS 31B873
CS 31B874
CS 31B875
CS 31B876
CS 31B877
CS 31B878
CS 31B879
CS 31B880
CS 31B881
CS 31B882
CS 31B883
CS 31B884
CS 31B885
CS 31B886
CS 31B887
CS 31B888
CS 31B889
CS 31B890
CS 31B891
CS 31B892
CS 31B893
CS 31B894
CS 31B895
CS 31B896
CS 31B897
CS 31B898
CS 31B899
CS 31B900
CS 31B901
CS 31B902
CS 31B903
CS 31B904
CS 31B905
CS 31B906
CS 31B907
CS 31B908
CS 31B909
CS 31B910
CS 31B911
CS 31B912
CS 31B913
CS 31B914
CS 31B915
CS 31B916
CS 31B917
CS 31B918
CS 31B919
CS 31B920
CS 31B921
CS 31B922
CS 31B923
CS 31B924
CS 31B925
CS 31B926
CS 31B927
CS 31B928
CS 31B929
CS 31B930
CS 31B931
CS 31B932
CS 31B933
CS 31B934
CS 31B935
CS 31B936
CS 31B937
CS 31B938
CS 31B939
CS 31B940
CS 31B941
CS 31B942
CS 31B943
CS 31B944
CS 31B945
CS 31B946
CS 31B947
CS 31B948
CS 31B949
CS 31B950
CS 31B951
CS 31B952
CS 31B953
CS 31B954
CS 31B955
CS 31B956
CS 31B957
CS 31B958
CS 31B959
CS 31B960
CS 31B961
CS 31B962
CS 31B963
CS 31B964
CS 31B965
CS 31B966
CS 31B967
CS 31B968
CS 31B969
CS 31B970
CS 31B971
CS 31B972
CS 31B973
CS 31B974
CS 31B975
CS 31B976
CS 31B977
CS 31B978
CS 31B979
CS 31B980
CS 31B981
CS 31B982
CS 31B983
CS 31B984
CS 31B985
CS 31B986
CS 31B987
CS 31B988
CS 31B989
CS 31B990
CS 31B991
CS 31B992
CS 31B993
CS 31B994
CS 31B995
CS 31B996
CS 31B997
CS 31B998
CS 31B999
CS 31B1000
CS 31B1001
CS 31B1002
CS 31B1003
CS 31B1004
CS 31B1005
CS 31B1006
CS 31B1007
CS 31B1008
CS 31B1009
CS 31B1010
CS 31B1011
CS 31B1012
CS 31B1013
CS 31B1014
CS 31B1015
CS 31B1016
CS 31B1017
CS 31B1018
CS 31B1019
CS 31B1020
CS 31B1021
CS 31B1022
CS 31B1023
CS 31B1024
CS 31B1025
CS 31B1026
CS 31B1027
CS 31B1028
CS 31B1029
CS 31B1030
CS 31B1031
CS 31B1032
CS 31B1033
CS 31B1034
CS 31B1035
CS 31B1036
CS 31B1037
CS 31B1038
CS 31B1039
CS 31B1040
CS 31B1041
CS 31B1042
CS 31B1043
CS 31B1044
CS 31B1045
CS 31B1046
CS 31B1047
CS 31B1048
CS 31B1049
CS 31B1050
CS 31B1051
CS 31B1052
CS 31B1053
CS 31B1054
CS 31B1055
CS 31B1056
CS 31B1057
CS 31B1058
CS 31B1059
CS 31B1060
CS 31B1061
CS 31B1062
CS 31B1063
CS 31B1064
CS 31B1065
CS 31B1066
CS 31B1067
CS 31B1068
CS 31B1069
CS 31B1070
CS 31B1071
CS 31B1072
CS 31B1073
CS 31B1074
CS 31B1075
CS 31B1076
CS 31B1077
CS 31B1078
CS 31B1079
CS 31B1080
CS 31B1081
CS 31B1082
CS 31B1083
CS 31B1084
CS 31B1085
CS 31B1086
CS 31B1087
CS 31B1088
CS 31B1089
CS 31B1090
CS 31B1091
CS 31B1092
CS 31B1093
CS 31B1094
CS 31B1095
CS 31B1096
CS 31B1097
CS 31B1098
CS 31B1099
CS 31B1100
CS 31B1101
CS 31B1102
CS 31B1103
CS 31B1104
CS 31B1105
CS 31B1106
CS 31B1107
CS 31B1108
CS 31B1109
CS 31B1110
CS 31B1111
CS 31B1112
CS 31B1113
CS 31B1114
CS 31B1115
CS 31B1116
CS 31B1117
CS 31B1118
CS 31B1119
CS 31B1120
CS 31B1121
CS 31B1122
CS 31B1123
CS 31B1124
CS 31B1125
CS 31B1126
CS 31B1127
CS 31B1128
CS 31B1129
CS 31B1130
CS 31B1131
CS 31B1132
CS 31B1133
CS 31B1134
CS 31B1135
CS 31B1136
CS 31B1137
CS 31B1138
CS 31B1139
CS 31B1140
CS 31B1141
CS 31B1142
CS 31B1143
CS 31B1144
CS 31B1145
CS 31B1146
CS 31B1147
CS 31B1148
CS 31B1149
CS 31B1150
CS 31B1151
CS 31B1152
CS 31B1153
CS 31B1154
CS 31B1155
CS 31B1156
CS 31B1157
CS 31B1158
CS 31B1159
CS 31B1160
CS 31B1161
CS 31B1162
CS 31B1163
CS 31B1164
CS 31B1165
CS 31B1166
CS 31B1167
CS 31B1168
CS 31B1169
CS 31B1170
CS 31B1171
CS 31B1172
CS 31B1173
CS 31B1174
CS 31B1175
CS 31B1176
CS 31B1177
CS 31B1178
CS 31B1179
CS 31B1180
CS 31B1181
CS 31B1182
CS 31B1183
CS 31B1184
CS 31B1185
CS 31B1186
CS 31B1187
CS 31B1188
CS 31B1189
CS 31B1190
CS 31B1191
CS 31B1192
CS 31B1193
CS 31B1194
CS 31B1195
CS 31B1196
CS 31B1197
CS 31B1198
CS 31B1199
CS 31B1200
CS 31B1201
CS 31B1202
CS 31B1203
CS 31B1204
CS 31B1205
CS 31B1206
CS 31B1207
CS 31B1208
CS 31B1209
CS 31B1210
CS 31B1211
CS 31B1212
CS 31B1213
CS 31B1214
CS 31B1215
CS 31B1216
CS 31B1217
CS 31B1218
CS 31B1219
CS 31B1220
CS 31B1221
CS 31B1222
CS 31B1223
CS 31B1224
CS 31B1225
CS 31B1226
CS 31B1227
CS 31B1228
CS 31B1229
CS 31B1230
CS 31B1231
CS 31B1232
CS 31B1233
CS 31B1234
CS 31B1235
CS 31B1236
CS 31B1237
CS 31B1238
CS 31B1239
CS 31B1240
CS 31B1241
CS 31B1242
CS 31B1243
CS 31B1244
CS 31B1245
CS 31B1246
CS 31B1247
CS 31B1248
CS 31B1249
CS 31B1250
CS 31B1251
CS 31B1252
CS 31B1253
CS 31B1254
CS 31B1255
CS 31B1256
CS 31B1257
CS 31B1258
CS 31B1259
CS 31B1260
CS 31B1261
CS 31B1262
CS 31B1263
CS 31B1264
CS 31B1265
CS 31B1266
CS 31B1267
CS 31B1268
CS 31B1269
CS 31B1270
CS 31B1271
CS 31B1272
CS 31B1273
CS 31B1274
CS 31B1275
CS 31B1276
CS 31B1277
CS 31B1278
CS 31B1279
CS 31B1280
CS 31B1281
CS 31B1282
CS 31B1283
CS 31B1284
CS 31B1285
CS 31B1286
CS 31B1287
CS 31B1288
CS 31B1289
CS 31B1290
CS 31B1291
CS 31B1292
CS 31B1293
CS 31B1294
CS 31B1295
CS 31B1296
CS 31B1297
CS 31B1298
CS 31B1299
CS 31B1300
CS 31B1301
CS 31B1302
CS 31B1303
CS 31B1304
CS 31B1305
CS 31B1306
CS 31B1307
CS 31B1308
CS 31B1309
CS 31B1310
CS 31B1311
CS 31B1312
CS 31B1313
CS 31B1314
CS 31B1315
CS 31B1316
CS 31B1317
CS 31B1318
CS 31B1319
CS 31B1320
CS 31B1321
CS 31B1322
CS 31B1323
CS 31B1324
CS 31B1325
CS 31B1326
CS 31B1327
CS 31B1328
CS 31B1329
CS 31B1330
CS 31B1331
CS 31B1332
CS 31B1333
CS 31B1334
CS 31B1335
CS 31B1336
CS 31B1337
CS 31B1338
CS 31B1339
CS 31B1340
CS 31B1341
CS 31B1342
CS 31B1343
CS 31B1344
CS 31B1345
CS 31B1346
CS 31B1347
CS 31B1348
CS 31B1349
CS 31B1350
CS 31B1351
CS 31B1352
CS 31B1353
CS 31B1354
CS 31B1355
CS 31B1356
CS 31B1357
CS 31B1358
CS 31B1359
CS 31B1360
CS 31B1361
CS 31B1362
CS 31B1363
CS 31B1364
CS 31B1365
CS 31B1366
CS 31B1367
CS 31B1368
CS 31B1369
CS 31B1370
CS 31B1371
CS 31B1372
CS 31B1373
CS 31B1374
CS 31B1375
CS 31B1376
CS 31B1377
CS 31B1378
CS 31B1379
CS 31B1380
CS 31B1381
CS 31B1382
CS 31B1383
CS 31B1384
CS 31B1385
CS 31B1386
CS 31B1387
CS 31B1388
CS 31B1389
CS 31B1390
CS 31B1391
CS 31B1392
CS 31B1393
CS 31B1394
CS 31B1395
CS 31B1396
CS 31B1397
CS 31B1398
CS 31B1399
CS 31B1400
CS 31B1401
CS 31B1402
CS 31B1403
CS 31B1404
CS 31B1405
CS 31B1406
CS 31B1407
CS 31B1408
CS 31B1409
CS 31B1410
CS 31B1411
CS 31B1412
CS 31B1413
CS 31B1414
CS 31B1415
CS 31B1416
CS 31B1417
CS 31B1418
CS 31B1419
CS 31B1420
CS 31B1421
CS 31B1422
CS 31B1423
CS 31B1424
CS 31B1425
CS 31B1426
CS 31B1427
CS 31B1428
CS 31B1429
CS 31B1430
CS 31B1431
CS 31B1432
CS 31B1433
CS 31B1434
CS 31B1435
CS 31B1436
CS 31B1437
CS 31B1438
CS 31B1439
CS 31B1440
CS 31B1441
CS 31B1442
CS 31B1443
CS 31B1444
CS 31B1445
CS 31B1446
CS 31B1447
CS 31B1448
CS 31B1449
CS 31B1450
CS 31B1451
CS 31B1452
CS 31B1453
CS 31B1454
CS 31B1455
CS 31B1456
CS 31B1457
CS 31B1458
CS 31B1459
CS 31B1460
CS 31B1461
CS 31B1462
CS 31B1463
CS 31B1464
CS 31B1465
CS 31B1466
CS 31B1467
CS 31B1468
CS 31B1469
CS 31B1470
CS 31B1471
CS 31B1472
CS 31B1473
CS 31B1474
CS 31B1475
CS 31B1476
CS 31B1477
CS 31B1478
CS 31B1479
CS 31B1480
CS 31B1481
CS 31B1482
CS 31B1483
CS 31B1484
CS 31B1485
CS 31B1486
CS 31B1487
CS 31B1488
CS 31B1489
CS 31B1490
CS 31B1491
CS 31B1492
CS 31B1493
CS 31B1494
CS 31B1495
CS 31B1496
CS 31B1497
CS 31B1498
CS 31B1499
CS 31B1500
CS 31B1501
CS 31B1502
CS 31B1503
CS 31B1504
CS 31B1505
CS 31B1506
CS 31B1507
CS 31B1508
CS 31B1509
CS 31B1510
CS 31B1511
CS 31B1512
CS 31B1513
CS 31B1514
CS 31B1515
CS 31B1516
CS 31B1517
CS 31B1518
CS 31B1519
CS 31B1520
CS 31B1521
CS 31B1522
CS 31B1523
CS 31B1524
CS 31B1525
CS 31B1526
CS 31B1527
CS 31B1528
CS 31B1529
CS 31B1530
CS 31B1531
CS 31B1532
CS 31B1533
CS 31B1534
CS 31B1535
CS 31B1536
CS 31B1537
CS 31B1538
CS 31B1539
CS 31B1540
CS 31B1541
CS 31B1542
CS 31B1543
CS 31B1544
CS 31B1545
CS 31B1546
CS 31B1547
CS 31B1548
CS 31B1549
CS 31B1550
CS 31B1551
CS 31B1552
CS 31B1553
CS 31B1554
CS 31B1555
CS 31B1556
CS 31B1557
CS 31B1558
CS 31B1559
CS 31B1560
CS 31B1561
CS 31B1562
CS 31B1563
CS 31B1564
CS 31B1565
CS 31B1566
CS 31B1567
CS 31B1568
CS 31B1569
CS 31B1570
CS 31B1571
CS 31B1572
CS 31B1573
CS 31B1574
CS 31B1575
CS 31B1576
CS 31B1577
CS 31B1578
CS 31B1579
CS 31B1580
CS 31B1581
CS 31B1582
CS 31B1583
CS 31B1584
CS 31B1585
CS 31B1586
CS 31B1587
CS 31B1588
CS 31B1589
CS 31B1590
CS 31B1591
CS 31B1592
CS 31B1593
CS 31B1594
CS 31B1595
CS 31B1596
CS 31B1597
CS 31B1598
CS 31B1599
CS 31B1600
CS 31B1601
CS 31B1602
CS 31B1603
CS 31B1604
CS 31B1605
CS 31B1606
CS 31B1607
CS 31B1608
CS 31B1609
CS 31B1610
CS 31B1611
CS 31B1612
CS 31B1613
CS 31B1614
CS 31B1615
CS 31B1616
CS 31B1617
CS 31B1618
CS 31B1619
CS 31B1620
CS 31B1621
CS 31B1622
CS 31B1623
CS 31B1624
CS 31B1625
CS 31B1626
CS 31B1627
CS 31B1628
CS 31B1629
CS 31B1630
CS 31B1631
CS 31B1632
CS 31B1633
CS 31B1634
CS 31B1635
CS 31B1636
CS 31B1637
CS 31B1638
CS 31B1639
CS 31B1640
CS 31B1641
CS 31B1642
CS 31B1643
CS 31B1644
CS 31B1645
CS 31B1646
CS 31B1647
CS 31B1648
CS 31B1649
CS 31B1650
CS 31B1651
CS 31B1652
CS 31B1653
CS 31B1654
CS 31B1655
CS 31B1656
CS 31B1657
CS 31B1658
CS 31B1659
CS 31B1660
CS 31B1661
CS 31B1662
CS 31B1663
CS 31B1664
CS 31B1665
CS 31B1666
CS 31B1667
CS 31B1668
CS 31B1669
CS 31B1670
CS 31B1671
CS 31B1672
CS 31B1673
CS 31B1674
CS 31B1675
CS 31B1676
CS 31B1677
CS 31B1678
CS 31B1679
CS 31B1680
CS 31B1681
CS 31B1682
CS 31B1683
CS 31B1684
CS 31B1685
CS 31B1686
CS 31B1687
CS 31B1688
CS 31B1689
CS 31B1690
CS 31B1691
CS 31B1692
CS 31B1693
CS 31B1694
CS 31B1695
CS 31B1696
CS 31B1697
CS 31B1698
CS 31B1699
CS 31B1700
CS 31B1701
CS 31B1702
CS 31B1703
CS 31B1704
CS 31B1705
CS 31B1706
CS 31B1707
CS 31B1708
CS 31B1709
CS 31B1710
CS 31B1711
CS 31B1712
CS 31B1713
CS 31B1714
CS 31B1715
CS 31B1716
CS 31B1717
CS 31B1718
CS 31B1719
CS 31B1720
CS 31B1721
CS 31B1722
CS 31B1723
CS 31B1724
CS 31B1725
CS 31B1726
CS 31B1727
CS 31B1728
CS 31B1729
CS 31B1730
CS 31B1731
CS 31B1732
CS 31B1733
CS 31B1734
CS 31B1735
CS 31B1736
CS 31B1737
CS 31B1738
CS 31B1739
CS 31B1740
CS 31B1741
CS 31B1742
CS 31B1743
CS 31B1744
CS 31B1745
CS 31B1746
CS 31B1747
CS 31B1748
CS 31B1749
CS 31B1750
CS 31B1751
CS 31B1752
CS 31B1753
CS 31B1754
CS 31B1755
CS 31B1756
CS 31B1757
CS 31B1758
CS 31B1759
CS 31B1760
CS 31B1761
CS 31B1762
CS 31B1763
CS 31B1764
CS 31B1765
CS 31B1766
CS 31B1767
CS 31B1768
CS 31B1769
CS 31B1770
CS 31B1771
CS 31B1772
CS 31B1773
CS 31B1774
CS 31B1775
CS 31B1776
CS 31B1777
CS 31B1778
CS 31B1779
CS 31B1780
CS 31B1781
CS 31B1782
CS 31B1783
CS 31B1784
CS 31B1785
CS 31B1786
CS 31B1787
CS 31B1788
CS 31B1789
CS 31B1790
CS 31B1791
CS 31B1792
CS 31B1793
CS 31B1794
CS 31B1795
CS 31B1796
CS 31B1797
CS 31B1798
CS 31B1799
CS 31B1800
CS 31B1801
CS 31B1802
CS 31B1803
CS 31B1804
CS 31B1805
CS 31B1806
CS 31B1807
CS 31B1808
CS 31B1809
CS 31B1810
CS 31B1811
CS 31B1812
CS 31B1813
CS 31B1814
CS 31B1815
CS 31B1816
CS 31B1817
CS 31B1818
CS 31B1819
CS 31B1820
CS 31B1821
CS 31B1822
CS 31B1823
CS 31B1824
CS 31B1825
CS 31B1826
CS 31B1827
CS 31B1828
CS 31B1829
CS 31B1830
CS 31B1831
CS 31B1832
CS 31B1833
CS 31B1834
CS 31B1835
CS 31B1836
CS 31B1837
CS 31B1838
CS 31B1839
CS 31B1840
CS 31B1841
CS 31B1842
CS 31B1843
CS 31B1844
CS 31B1845
CS 31B1846
CS 31B1847
CS 31B1848
CS 31B1849
CS 31B1850
CS 31B1851
CS 31B1852
CS 31B1853
CS 31B1854
CS 31B1855
CS 31B1856
CS 31B1857
CS 31B1858
CS 31B1859
CS 31B1860
CS 31B1861
CS 31B1862
CS 31B1863
CS 31B1864
CS 31B1865
CS 31B1866
CS 31B1867
CS 31B1868
CS 31B1869
CS 31B1870
CS 31B1871
CS 31B1872
CS 31B1873
CS 31B1874
CS 31B1875
CS 31B1876
CS 31B1877
CS 31B1878
CS 31B1879
CS 31B1880
CS 31B1881
CS 31B1882
CS 31B1883
CS 31B1884
CS 31B1885
CS 31B1886
CS 31B1887
CS 31B1888
CS 31B1889
CS 31B1890
CS 31B1891
CS 31B1892
CS 31B1893
CS 31B1894
CS 31B1895
CS 31B1896
CS 31B1897
CS 31B1898
CS 31B1899
CS 31B1900
CS 31B1901
CS 31B1902
CS 31B1903
CS 31B1904
CS 31B1905
CS 31B1906
CS 31B1907
CS 31B1908
CS 31B1909
CS 31B1910
CS 31B1911
CS 31B1912
CS 31B1913
CS 31B1914
CS 31B1915
CS 31B1916
CS 31B1917
CS 31B1918
CS 31B1919
CS 31B1920
CS 31B1921
CS 31B1922
CS 31B1923
CS 31B1924
CS 31B1925
CS 31B1926
CS 31B1927
CS 31B1928
CS 31B1929
CS 31B1930
CS 31B1931
CS 31B1932
CS 31B1933
CS 31B1934
CS 31B1935
CS 31B1936
CS 31B1937
CS 31B1938
CS 31B1939
CS 31B1940
CS 31B1941
CS 31B1942
CS 31B1943
CS 31B1944
CS 31B1945
CS 31B1946
CS 31B1947
CS 31B1948
CS 31B1949
CS 31B1950
CS 31B1951
CS 31B1952
CS 31B1953
CS 31B1954
CS 31B1955
CS 31B1956
CS 31B1957
CS 31B1958
CS 31B1959
CS 31B1960
CS 31B1961
CS 31B1962
CS 31B1963
CS 31B1964
CS 31B1965
CS 31B1966
CS 31B1967
CS 31B1968
CS 31B1969
CS 31B1970
CS 31B1971
CS 31B1972
CS 31B1973
CS 31B1974
CS 31B1975
CS 31B1976
CS 31B1977
CS 31B1978
CS 31B1979
CS 31B1980
CS 31B1981
CS 31B1982
CS 31B1983
CS 31B1984
CS 31B1985
CS 31B1986
CS 31B1987
CS 31B1988
CS 31B1989
CS 31B1990
CS 31B1991
CS 31B1992
CS 31B1993
CS 31B1994
CS 31B1995
CS 31B1996
CS 31B1997
CS 31B1998
CS 31B1999
CS 31B2000
CS 31B2001
CS 31B2002
CS 31B2003
CS 31B2004
CS 31B2005
CS 31B2006
CS 31B2007
CS 31B2008
CS 31B2009
CS 31B2010
CS 31B2011
CS 31B2012
CS 31B2013
CS 31B2014
CS 31B2015
CS 31B2016
CS 31B2017
CS 31B2018
CS 31B2019
CS 31B2020
CS 31B2021
CS 31B2022
CS 31B2023
CS 31B2024
CS 31B2025
CS 31B2026
CS 31B2027
CS 31B2028
CS 31B2029
CS 31B2030
CS 31B2031
CS 31B2032
CS 31B2033
CS 31B2034
CS 31B2035
CS 31B2036
CS 31B2037
CS 31B2038
CS 31B2039
CS 31B2040
CS 31B2041
CS 31B2042
CS 31B2043
CS 31B2044
CS 31B2045
CS 31B2046
CS 31B2047
CS 31B2048
CS 31B2049
CS 31B2050
CS 31B2051
CS 31B2052
CS 31B2053
CS 31B2054
CS 31B2055
CS 31B2056
CS 31B2057
CS 31B2058
CS 31B2059
CS 31B2060
CS 31B2061
CS 31B2062
CS 31B2063
CS 31B2064
CS 31B2065
CS 31B2066
CS 31B2067
CS 31B2068
CS 31B2069
CS 31B2070
CS 31B2071
CS 31B2072
CS 31B2073
CS 31B2074
CS 31B2075
CS 31B2076
CS 31B2077
CS 31B2078
CS 31B2079
CS 31B2080
CS 31B2081
CS 31B2082
CS 31B2083
CS 31B2084
CS 31B2085
CS 31B2086
CS 31B2087
CS 31B2088
CS 31B2089
CS 31B2090
CS 31B2091
CS 31B2092
CS 31B2093
CS 31B2094
CS 31B2095
CS 31B2096
CS 31B2097
CS 31B2098
CS 31B2099
CS 31B2100
CS 31B2101
CS 31B2102
CS 31B2103
CS 31B2104
CS 31B2105
CS 31B2106
CS 31B2107
CS 31B2108
CS 31B2109
CS 31B2110
CS 31B2111
CS 31B2112
CS 31B2113
CS 31B2114
CS 31B2115
CS 31B2116
CS 31B2117
CS 31B2118
CS 31B2119
CS 31B2120
CS 31B2121

Supersedeas

Water Rights Application Map

Located in portions of Section 31 & 32, T27S, R14W, &
Sections 4, 5, 6, & 8, T28S, R14W all in the Willamette Meridian,
Coos County, Oregon



POD LOCATIONS*

POD#1 is located N 3300' & W 490'
POD#2 is located N 3325' & E 990'
POD#3 is located N 1450' & E 0'
POD#4 is located S 460' & E 950'
POD#5 is located S 2640' & E 1030'

*NOTE: All POD's are referenced to the section corner common to Sections 5, 6, 31 & 32.

Bandon Coastal Property

Bandon Dunes Limited Partnership

1" = 1320 Feet

Legend

- Approximate Well Location
- Lakes
- Streams
- Roads

Application No. G 13570
Permit No.

Prepared By

Stuntzner Engineering & Forestry
P.O. Box 118
Coos Bay, Oregon 97420

RECEIVED
DEC 17 1993
WATER RESOURCES DEPT.
SALEM, OREGON

EXAMINERS DISCLAIMER STATEMENT

The preparation of this map was for the purpose of identifying the location of the water right only, and has no intent to provide dimensions or location of property ownership lines.

EGR & Associates, Inc.
Engineers, Geologists and Surveyors

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

July 12, 1997

Mr. Doug Woodcock
Hydrogeologist
Oregon Water Resources Department
Commerce Building
158 12th Street NE
Salem, Oregon 97310-0210

RE: Water Right Application G-13577 and Limited License Application LL-0245

Dear Mr. Woodcock:

Thank you for your July 9, 1997 site visit to the Bandon Coastal Dunes project site. I trust the visit has been helpful in your understanding of the layout of the project, the area which it covers, and the large number of possible points of diversion. As I indicated during the visit, it appears that conventional wells tapping deeper aquifers will best serve the golf course's needs and therefore we are currently no longer planning on using sump wells. Silty sand and clay layers separate the deep aquifers from the shallow (near surface) aquifer which is the primary summer water supply for Cut Creek. Further, as you saw, we are spreading the points of diversion over a much broader area than originally envisioned.

The change in the types of wells used to recover water and their distribution will eliminate, or reduce to insignificance, the potential for interference between ground water withdrawal and Cut Creek (and other area streams) since we will not be withdrawing water from the shallow aquifer. The previous five day pump test data showed that the deeper aquifers have significantly lower heads than the shallow aquifer and the shallow aquifer did not respond to the 5 day pumping test indicating the connection is at best very poor. Further, this indicates the shallow aquifer already has a net recharge effect to the deeper aquifers.

For the Limited License we will be using water from four sources: the deep well which was drilled south Cut Creek [PW-2] and the main development center; the two new wells [PW-4 & PW-5] just being completed on the terrace where the first golf course is being constructed; and the "Shuman" well which is an existing well near the north end of the newly acquired Shuman property. Well logs for the Shuman well and the three original test wells (two shallow [PW-1 & PW-3] and one deep [PW-2]) are included with this letter. The two new wells do not yet have well logs as they are just now being completed (the screens for these wells having just arrived).

The two new wells drilled out on the terrace are more than 2,000 feet west of any other wells or surface water diversions. PW-5 is 1,580 feet from Cut Creek and 1,120 feet from the ocean. PW-5 is 1,950 feet from Cut Creek and 1,675 feet from the ocean. The field notes for these two new wells are reduced to summary logs as follows:

Material Logs: *layers to be screened and utilized as water supply; shading in gravel layers for clarity; depths of the logs are staggered in the following table for comparison of depths (wells top elevations are estimated to be within 15 feet, unsurveyed).

PW-4		PW-5	
Depth (feet)	**Material**	**Depth**	**Material**
0 - 2	Sand	0 - 2	fill from site preparation
2 - 13	Fine Sand w/interbedded clay	2 - 6	fine brown sand
		6 - 10	cemented sand, brown
13 - 23	brown sand, fine to medium	10 - 22	fine to medium sand w/sandy clay lenses
23 - 30	peat w/fine to medium sand	22 - 24	sandy clay, white
		24 - 30	fine brown sand
30 - 34	sandy clay w/peat	30 - 34	sandy clay, tan
34 - 40	fine to medium blue-gray sand	34 - 40	brown sand, medium to fine
40 - 65	fine to medium gravel w/sand	40 - 41	peat
		41 - 45	fine to medium brown sand

		45 - 55	medium to fine sandy gravel, brown
65 - 72	gravely sand fine to coarse, blue-gray	55 - 73	gravelly sand, coarse to fine
72 - 83	gray clay w/wood	73 - 80	sandy gravel, medium to fine, orange to brown
83 - 91	unrecovered	80 - 81	sandy gravel, medium to fine, gray
		81 - 85	gray clay w/wood and gravel
91 - 92	wood	85 - 92	gray sandy clay
92 - 94	wood w/peat	92 - 93	clay w/burnt wood
94 - 96	gray sandy clay	93 - 99	gray clay
		99 - 101	brown clay w/burnt wood
		101 - 106	blue-gray clay
96* - 116*	*gray sandy gravel coarse to fine	106 - 120	sandy gravel, coarse to fine, gray
116 - 133	blue-gray medium to fine sand	120 - 124	fine gravel w/clay lenses and wood
		124 - 131	gray sand, fine to coarse
		131 - 135	sandy peat, brown
133 - 142	gray clay w/wood	135 - 138	gray sand, medium to fine

142 - 149	gray clay	138 - 148	sandy clay, gray
149 - 173	gray sandy clay	*148 - *168	*medium to fine sandy gravel, gray
173 - 185	sandy gravel medium to fine green	168 - 171	gravel w/clay interbeds, gray
		171 - 177	sandy gravel, coarse to fine, gray
		177 - 185	sandy clay, gray
185 - 196	sandy gravel medium to fine green w/ clay lenses		
196 - 216	gray sandy clay		
216 - 243	gray sandy clay medium sand		

The two new wells will be sealed from the surface to just above the screened zone. Screens will be 10 feet long with a sand pack. It can be seen from the logs that low permeability layers are common between the gravel aquifer zones. The deepest zone of PW-3 will not be used and this portion of the well will be sealed off using cement.

The water to be used for the Water Right Permit Application G-13577 will initially come from the same the four wells as in the limited license. We propose to add additional wells for the permit in the areas outlined in our May 27, 1997 letter and accompanying map. With the installation of the new deep wells, which do not have direct impact on any surface water bodies, we would propose the following conditions on the water right permit:

1. Monitor water levels in all on-site wells and piezometers for the first three years after bringing the wells on-line. Water levels would be taken at least monthly for the first year, and quarterly for the next two years. Piezometers will be installed near PW-4 and water levels read from these piezometers as well.

2. Each new well (either before being installed and/or put into service) will be reviewed by the WRD to confirm the well is unlikely to cause interference with

other water rights or surface water streams. If an interference is likely the well location may moved or mitigation measures instituted (such as a percentage of the flow returned to the affected stream).

3. Meters on all water sources used on the site.

4. At least quarterly monitoring of conductivity in production wells will be used to monitor against salt water intrusion where drawdowns project below seas level.

Any other usual conditions established by the WRD for ground water permits will also be expected to appear on this permit.

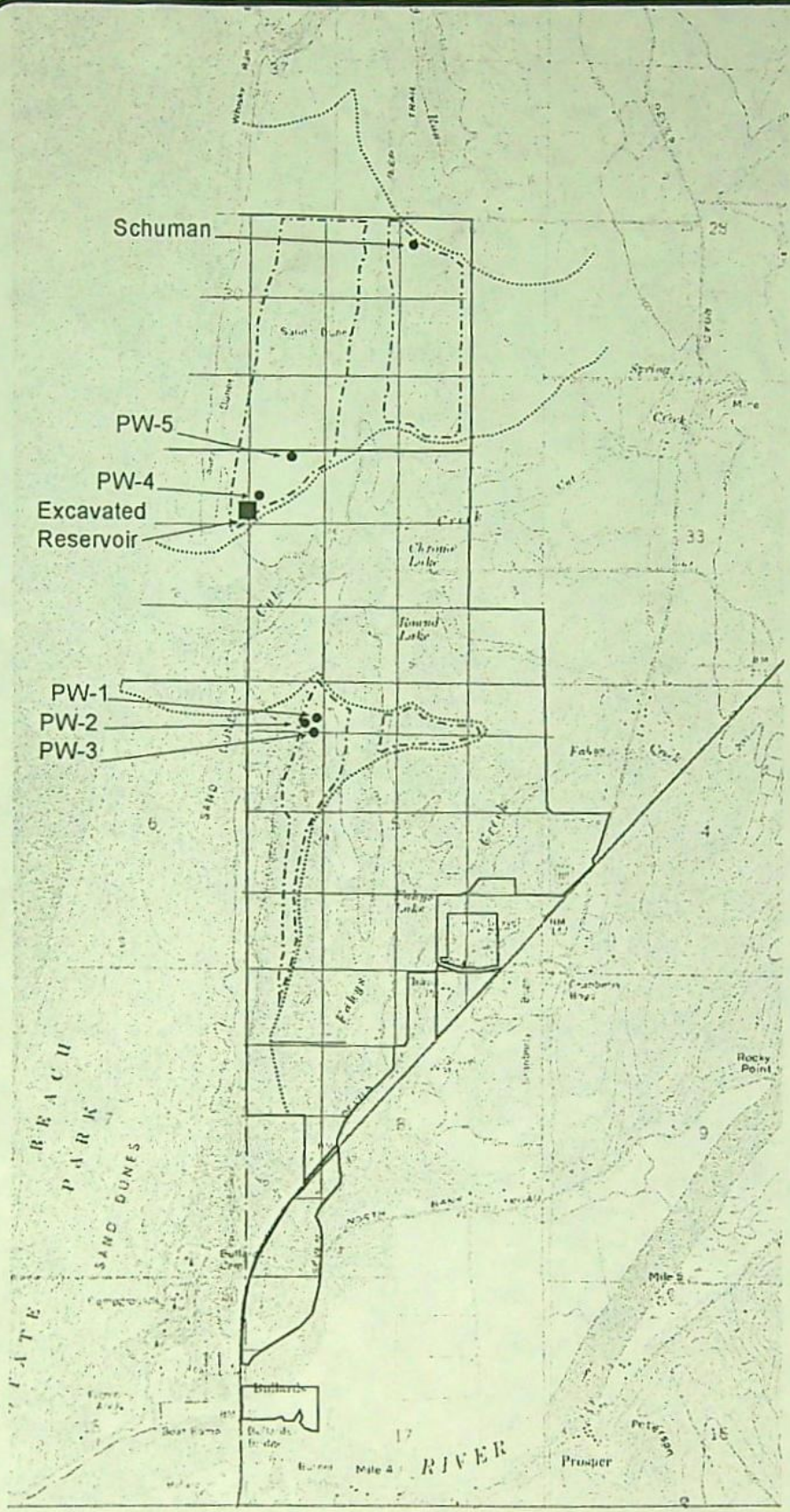
Included with this letter is also the map of the terrace area showing the locations of the new PW-4 and PW-5 wells. Other wells and piezometer locations are shown on maps previously submitted to the Department.

If we can provide any other information please let us know immediately as the Limited License is now been in process for some time and the need to start construction activities and clean up the site is pressing. We would also like to move the Water Right Permit Application through the process as expeditiously as possible. Anything you can do to move this application along would be appreciated. We will gladly work with you to set permit conditions to expedite the process.

Sincerely,

Ralph Christ

Ralph W. Christensen RPG
Principal Geologist



EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Phone (541) 688-8322
FAX (541) 688-8087

Bandon Coastal Dunes

Well Location Map - 10/27/97

PW-4

STATE OF OREGON WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

WELL I.D.# 40847 27-14-31 NE-SE

(START CARD) # 93052

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 498
Name E&R
Address 2445 N. Prairie Road
City Eugene State OR Zip 97402

(2) TYPE OF WORK
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[ ] Domestic [ ] Community [ ] Industrial [X] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval [ ] Yes [X] No Depth of Completed Well 248' ft. TOC
Explosives used [ ] Yes [X] No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
12¼	0	127	Bentonite Cement	30	74	145 SX
6"	127	243	Cement	120	243	17 SX

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other Bentonite Poured from Surface Cement
Backfill placed from ____ ft. to ____ ft. Material ____
Gravel placed from 74 ft. to 120 ft. Size of gravel 6/9

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8"	+1'6"	96'	.250	[X]	[ ]	[X]	[ ]
		116	126	.250	[X]	[ ]	[X]	[ ]
		Tail	Pipe		[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:
[ ] Perforations Method Attached to Casing
[X] Screens Type Hoxton V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
96'	116'	.070		8"	Pipe	[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[X] Pump [ ] Bailer [ ] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
100	11' 8½"	95'	1 hr
100	13' 2½"	95'	2 hrs
100	15' 2½"	95'	3 hrs
100	16' 4½"	95'	4 hrs

Temperature of water 52° Depth Artesian Flow Found ____
Was a water analysis done? [X] Yes By whom Buys
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 Coos Latitude ____ Longitude ____
Township 27 N or (S) Range 14 E or (W) WM.
Section 31 NE 1/4 SE 1/4
Tax Lot 400 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) END OF Randolph Road Off Beaver Bandon

(10) STATIC WATER LEVEL:
67 3½ ft. below land surface. Date 7/15/97
Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 10'

From	To	Estimated Flow Rate	SWL
10	72'	+/- 100	10'
96'	133'	+/- 1½ 4 GPM	67 3½"
173	185'	+/- 50	—
Specific Capacity 5.47 Gal/FT @ DD			

(12) WELL LOG:
Ground Elevation +/-300'

Material	From	To	SWL
Sand Fine Brown	0	2	
Sand Fine Brn w/ interbed Clay	2	13	10'
Sand Fine-Med Brown	13	23	
Peat w/ Sand Fine-Med Brn	23	30	
Sandy Clay Gray w/ Peat bnds	30	34	
Sand Blue Gray Fine-Med	34	40	
Gravel Fine-Med w/ Sand	40	65	
Fine-Med Blue Gray			
Sand CRS-Fine w/ Gravel	65	72	
w/ Gravel Fine-Med Blue Gray			
Clay Gray w/ wood 30%	72	74	
Clay Gray w/ wood 10%	74	91	
Wood	91	92	
Wood w/ Peat	92	94	
Sandy Clay Gray	94	96	
Gravel CRS-Fine w/ Sand	96	116	67 5½"
Med-Fine Gray			
Sand Med-Fine Blue Gray	116	133	
Clay Gray w/ wood	133	142	
Continued on Pg 2			

Date started 5/29/97 Completed 7/17/97

(unreadable) 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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed Bandon Well & Septic Corp Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed Jim Mackey for BWC Date 7/21/97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

27-14-31

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

WELL I.D.# L10847

(START CARD) # 93052

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 498
Name EQR
Address 2445 N Prairie Road
City Eugene State OR Zip 97402

(2) TYPE OF WORK
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[ ] Domestic [ ] Community [ ] Industrial [X] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

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

HOLE Diameter	From	To	SEAL 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	Steel	Plastic	Welded	Threaded
Casing:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:
[ ] Perforations Method ____
[ ] Screens Type ____ Material ____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

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

[ ] Pump [ ] Bailer [ ] 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 Coos Latitude ____ Longitude ____
Township 27 N or [ ] S Range 14 E of [W] WM.
Section 31 NE 1/4 SE 1/4
Tax Lot 402 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) End of Randolph Rd W Bandon

(10) STATIC WATER LEVEL:
____ ft. below land surface. Date ____
Artesian pressure ____ lb. per square inch. Date ____

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

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:
Ground Elevation ____
Continued From Pg 1

Material	From	To	SWL
Clay Gray	142	149	
Sandy Clay Gray	149	173	
Gravel Med-Fine Green	173	185	?
W/ Sand Med-Fine			1
Gravel Med-Fine w/ Sand	185	196	
Med-Fine Green + Mixed			
Clay Lenses			
Sandy Clay Gray	196	216	
Sandy Clay Gray, Med hard	216	243	

Date started 5-29-97 Completed 7-17-97

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed Bandon Well & Septic Co. Inc Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed Jerry Mark Lee MCWC Date 7-21-97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

204206-84

PW-5

27-14-31

STATE OF OREGON
WATER SUPPLY WELL REPORT (as required by ORS 537.765)
WELL I.D.# L10848
(START CARD) # 93055
Instructions for completing this report are on the last page of this form. Pg 1

(1) OWNER: Tax Lot Number 508
Name E & R
Address
City Eugene State OR Zip 97402

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 180 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE

Diameter	From	To	Material	Pack	Sacks or pounds
12¼"	0	180	Bentonite	30	28 5x
6"	180	185	Cement		32 5x
					15x

How was seal placed: Method ☐A ☐B ☒C ☐D ☐E
☒ Other Bentonite Poured Down From Surface
Backfill placed from ft. to ft. Material
Gravel placed from 138 ft. to 180 ft. Size of gravel 6/9

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8"	+2	148'	.250	☒	☐	☒	☐
	8"	148'	178'	.250	☒	☐	☒	☐
					☐	☐	☐	☐
	(Tail Pipe)				☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method Attached to Casing
☒ Screens Type Houston Material Stainless Steel

From	To	Slot size	Number	Diameter	Casing	Liner
148'6	168'6	.070		8"	☐	☐
					☐	☐
					☐	☐
					☐	☐
					☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill Stem at	Time
170	80' 3"	140	1 hr.
170	20' 11"	140	2
170	21' 3½"	140'	3
170	21' 7½"	140'	4

Temperature of water 52 °F Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom Bill's
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 Coos Latitude Longitude
Township 27 N or S Range 14 E or W WM.
Section 31 NE 1/4 SE 1/4
Tax Lot 400 Lot Block Subdivision
Street Address of Well (or nearest address) East Randolph West Bandon

(10) STATIC WATER LEVEL:
78'3" ft. below land surface. Date 7/22/97
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 10'

From	To	Estimated Flow Rate	SWL
10	81	50+	10'
105	138	100+	65'
148	177	540 GPM	78'

(12) WELL LOG:
Ground Elevation +/- 300'

Material	From	To	SWL
Fill	0	2	
Sand Fine Brown	2	6	
Cemented Sand Brown	6	10	10
Sand Fine-Med W/	10	22	
Sandy Clay Lenses			
Sandy Clay White	22	24	
Sand Fine-Med Brown	24	30	
Sandy Clay Tan	30	34	
Sand Brown Fine-Med	34	40	
Peat	40	41	
Sand Fine-Med Brown	41	45	
Gravel Fine-Med w/Sand	45	55	
Med-Fine Brown			
Sand CBS-Fine w/Gravel	55	73	
Fine-Med Brown			
Gravel Fine-Med w/Sand	73	80	
CBS-Fine Orange Brown			
Gravel Med-Fine w/	80	81	
Sand CBS-Fine Grey			
Continued on Page 2			

Date started 6/16/97 Completed 7/24/97

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
Signed Bandon Well + Septic Co Inc Date

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed Jason Meade for MCWC Date 7/25/97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

204206-94

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

WELL I.D.# L10848 Pg 2

27-14-31

(START CARD) # 93055

(1) OWNER: Well Number 508
Name EGR
Address
City Eugene State OR Zip 97402

(2) TYPE OF WORK
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[ ] Domestic [ ] Community [ ] Industrial [X] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

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

HOLE Diameter	From	To	SEAL 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	Steel	Plastic	Welded	Threaded
Casing:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s)

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

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[ ] Pump [ ] Bailer [ ] 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 Coos Latitude ____ Longitude ____
Township 27 N or S Range 14 E or W WM.
Section 31 NE 1/4 SE 1/4
Tax Lot 400 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) End of Quadrant West Bandon

(10) STATIC WATER LEVEL:
____ ft. below land surface. Date ____
Artesian pressure ____ lb per square inch. Date ____

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

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:
Ground Elevation ____

Material	From	To	SWL
Clay Gray w/wood + Gravel CBS	81	85	
Sandy Clay Gray	85	92	
Clay w/ Burt Wood	92	93	
Clay Gray	93	99	
Clay Brn w/ Peat + wood	99	101	
Clay Blue Gray	101	106	
Gravel CBS - Fine w/ Sand Gray	106	120	67?
Fine Gravel w/ Clay Lenses + wood	120	124	
Sand CBS - Fine Gray	124	131	
Sandy Peat Brown	131	135	
Sand med - Fine Gray	135	138	
Sandy Clay Gray	138	148	
Sand med - Fine w/ Sand CBS - Fine Gray	148	168	78; 3
Gravel Fine - med w/ Gray Clay Lenses	168	178	
Gravel Fine - CBS w/ Sand Fine - CBS Gray	171	177	
Sandy Clay Gray	177	185	

Date started 6/11/97 Completed 7/24/97

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed Bandon Well & Septic Co Inc. Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed Jon D Mackey MGWC Date 7/25/97

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

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

PW-2

(START CARD) # 71679

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 323
Name Michael Kieser
Address 2450 N Lakeview
City Chicago State IL Zip 60614

(2) TYPE OF WORK
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[ ] Domestic [ ] Community [ ] Industrial [ ] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [X] Other Test well

(5) BORE HOLE CONSTRUCTION:
Special Construction approval [ ] Yes [X] No Depth of Completed Well 125'4" ft.
Explosives used [ ] Yes [X] No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	29	Bentonite	0	40	36 SX
9"	29	125	Cement	65	85	4 SX

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other Baroid Poured from Surface
Backfill placed from ____ ft. to ____ ft. Material ____
Gravel placed from 85 ft. to 125 ft. Size of gravel 8/12

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	5"	+1	116'8"	190	[ ]	[X]	[X]	[ ]
		116'1"	125'4"	190	[ ]	[X]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
	8"	+1'6"	9'	1250	[X]	[ ]	[ ]	[ ]
Liner:	(Protective Casing)				[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:
[ ] Perforations Method Attached to Casing
[X] Screens Type Houston V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
110'8"	116'1"	.016		5"	Pipe	[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
+/- 50	-	125'	1 hr.

Temperature of water 52° 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 Cook Latitude ____ Longitude ____
Township 28 N or [ ] S Range 14 E or [X] W.M.
Section 5 NW 1/4 NW 1/4
Tax Lot 10500 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) Randolph Rd
West well Bannon

(10) STATIC WATER LEVEL:
57' ft. below land surface. Date 11/7/94
Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 16'9"

From	To	Estimated Flow Rate	SWL
16'9	60'	20	16'5
107	125	50	57

(12) WELL LOG:
Ground Elevation +/-200'

Material	From	To	SWL
Sand w/Peat Fine Brown	0	2	
Sand Fine Brown	2	8	
Sand Fine Dark Brown	8	22	16'9
Wood w/Peat and Fine	22	24	
Sand Dark Brown			
Sand Fine Dark Brown	24	36	
Gravel Fine w/Fine Sand Gray	36	37	
Sand Fine Gray	37	56	
Sandy Peat Dark Brown w/Fine Gravel	56	60	
Blue Clay	60	79	
Sand Coarse Brown	79	91	
Sandy Clay Brown	91	94	
Sandy Clay Tan	94	107	
Gravel Medium - Fine w/Sand Medium Gray Taconite	107	117	57'
Sand w/Sandy Clay Medium Gray	117	125	

Date started 11/3/94 Completed 11/7/94

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number ____
Signed ____ Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed Jim Mackey Mac Date 11/10/94

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

PW-3

(START CARD) # 21680

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 324

Name Michael Kiesel

Address 2450 N Lakeview

City Chicago State IL Zip 60614

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:

[ ] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger

[ ] Other

(4) PROPOSED USE:

[ ] Domestic [ ] Community [ ] Industrial [ ] Irrigation

[ ] Thermal [ ] Injection [ ] Livestock [X] Other Test well

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well 40'-8"

Explosives used [ ] Yes [X] No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	41	Bentonite	0	29	285x

How was seal placed: Method [ ]A [ ]B [ ]C [ ]D [ ]E

[X] Other Poured from Surface

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

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	5"	+1	353'	160	[ ]	[X]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
	8"	+1'6"	4"	.250	[X]	[ ]	[ ]	[ ]
	1 Protective Casing				[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

[ ] Perforations Method Attached to Casing

[X] Screens Type Houston V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
353'	40'-8"	.016		5"	Fits	[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

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

[X] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
20	—	40'	1 hr.

Temperature of water 52° 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 Coos Latitude _____ Longitude _____

Township 28 N or [S] Range 14 E or [W] W.M.

Section 5 NW 1/4 NW 1/4

Tax Lot 100/200 Lot _____ Block _____ Subdivision _____

Street Address of Well (or nearest address) Randolph Rd South Well Bandon

(10) STATIC WATER LEVEL:

14' ft. below land surface. Date 11/8/94

Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 14'

From	To	Estimated Flow Rate	SWL
14	40	20+	14'

(12) WELL LOG:

Ground Elevation +/-200'

Material	From	To	SWL
Sandy Brat-	0	2	
Sandy Clay Orange	2	5	
Sand Brown Fine	5	18	14'
Peat w/ wood DK Brown	18	22	
Gravel Medium-Fine w/ Course-Fine Sand Gray	22	40	
Clay Sandy Brown	40	41	

Date started 11/7/94 Completed 11/8/94

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number _____

Signed _____ Date _____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed Jim Mekus MEWC Date 11/10/94

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

WATER WELL REPORT
(as required by ORS 537.765)

P-2

(START CARD) # ____

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 32 & 34

Name Michael Kiesel

Address 2450 N Lakeview

City Chicago State IL Zip 60614

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger

☐ Other ____

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Livestock ☒ Other Piezometer

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 32'4" ft.

Explosives used ☐ Yes ☒ No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
6"	0	33	Bentonite	0	15	85#

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

☒ Other Poured from surface

Backfill placed from ____ ft. to ____ ft. Material ____

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	1½"	+1'6"	32'4"	200#	☐	☒	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:

☒ Perforations Method Hacksaw

☐ Screens Type ____ Material PVC

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
30	32'4"	1/16x1	4	1½"	Pipe	☒	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
10/A			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 Coos Latitude ____ Longitude ____

Township 28 N or ☒ S Range 14 E or ☒ W.M.

Section 15 NW 1/4 NW 1/4

Tax Lot 100 & 200 Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) Randolph Rd Bandon

(10) STATIC WATER LEVEL:

16'9" ft. below land surface. Date 11/7/94

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found 16'9"

From	To	Estimated Flow Rate	SWL
16'9"	33'		16'9"

(12) WELL LOG:

Ground Elevation +/- 200

Material	From	To	SWL
0-2 Sandy Peat	0	2	
Sand Fine Brown	2	8	16'9"
Sand Fine Dark Brown	8	33	

Date started 11/7/94 Completed 11/7/94

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number ____

Signed ____ Date ____

(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 water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1493

Signed John Mack A. Mack C. Date 11/10/94

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

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

pw-1

(START CARD) # 71678

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 322
Name Michael Kiesle
Address 2430 N Lakewood
City Chicago State IL Zip 60614

(2) TYPE OF WORK
[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:
[ ] Rotary Air [ ] Rotary Mud [X] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:
[ ] Domestic [ ] Community [ ] Industrial [ ] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [X] Other Test well

(5) BORE HOLE CONSTRUCTION:
Special Construction approval [ ] Yes [X] No Depth of Completed Well 44' 10"
Explosives used [ ] Yes [X] No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10"	0	18	Cement	0	18	10
6"	18	50				

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:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	38'8"	1,250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
[ ] Perforations Method Telescope
[X] Screens Type Johnson V-wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
38'11"	44'10"	.016		6"	Tele	[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

(8) WELL TESTS: Minimum testing time is 1 hour
[X] Pump [ ] Bailer [ ] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
16.2	17'2"	44	1 hr.

Temperature of water 52° 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 Cook Latitude ____ Longitude ____
Township 28 N or (S) Range 14 E or (W) W.M.
Section 3 NW 1/4 NW 1/4
Tax Lot 100/200 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) Randolph Rd.
North well Bandon

(10) STATIC WATER LEVEL:
19'2" ft. below land surface. Date 11/1/94
Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 19'2"

From	To	Estimated Flow Rate	SWL
19'2"	44'	27	A2

(12) WELL LOG:
Ground Elevation +/-200'

Material	From	To	SWL
Sand Fine Brown	0	27	19'2"
Sand w/wood med Brown	27	29	
Gravel medium-Fine w/ Sand medium-Fine Grey + Brown	29	44	
Clay Sandy Grey + Brown	44	50	

Date started 10/31/94 Completed 11/2/94

(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 water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
Signed Date

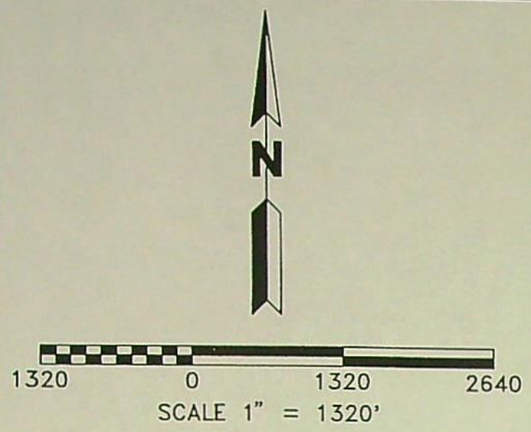
(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1493
Signed John Mackie Jr. Mackie Date 11/16/94

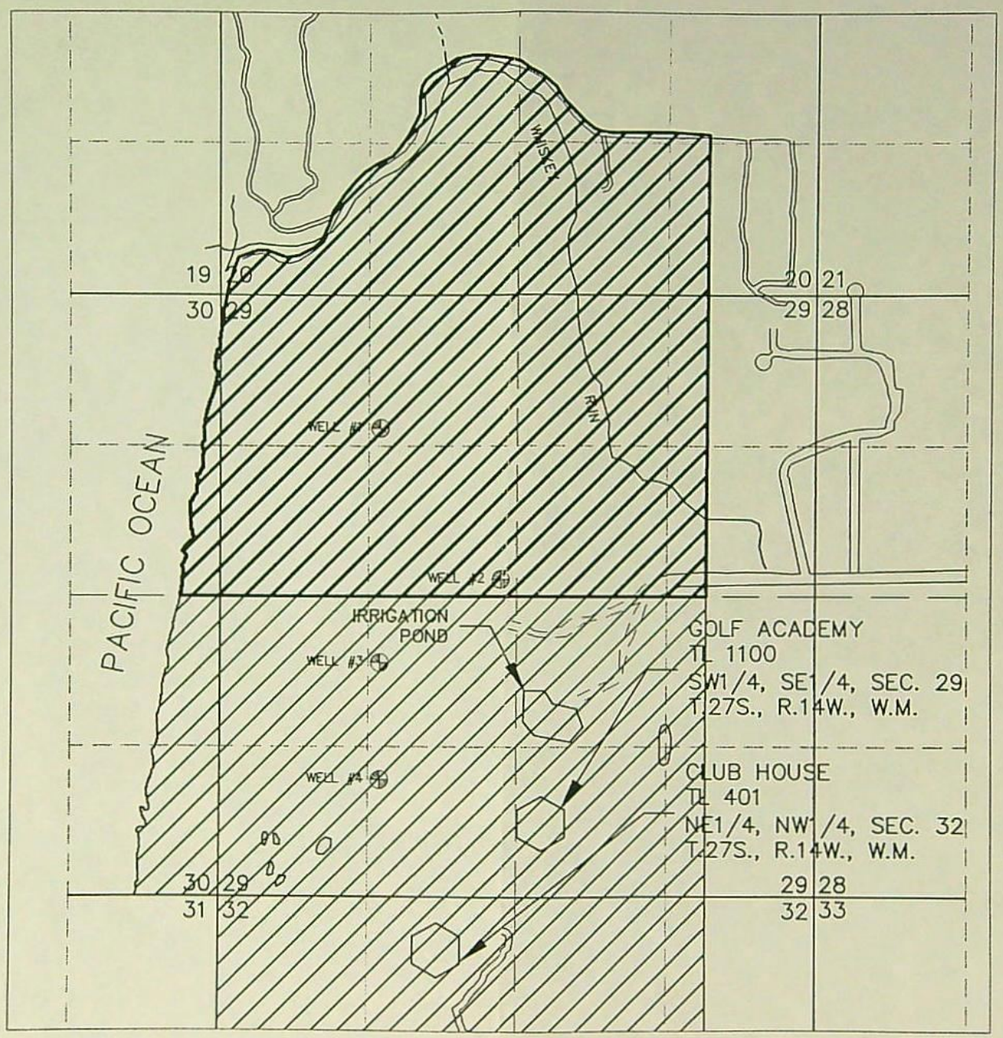
ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

APPLICATION FOR WATER RIGHTS

AREA OF USE AND POINT OF DIVERSION MAP

T.L. 300, 400, 401, 500, 600, 700, 800, 900; SEC. 20, T.27S., R.14W., W.M.
T.L. 100, 200, 300, 400, 401, 600, 601, 700; SEC. 30, T.29S., R.14W., W.M.
BANDON, COOS COUNTY, OREGON





NEW PROPOSED AREA OF IRRIGATION

TOWNSHIP	RANGE	SECTION	0.25	0.25	APPROXIMATE TOTAL ACRES	APPROXIMATE IRRIGATED ACRES
27	14	20	NE	SW	14.5	14.5
27	14	20	SE	SW	39.1	39.1
27	14	20	SW	SW	15.0	15.0
27	14	20	NW	SE	8.0	8.0
27	14	20	NE	SE	0.7	0.7
27	14	20	SE	SE	10.8	10.8
27	14	20	SW	SE	40.0	40.0
27	14	29	NW	NW	39.8	39.8
27	14	29	NE	NW	40.0	40.0
27	14	29	SE	NW	40.0	40.0
27	14	29	SW	NW	40.0	40.0
27	14	29	NW	NE	40.0	40.0
27	14	29	NE	NE	10.7	10.7
27	14	29	SE	NE	10.7	10.7
27	14	29	SW	NE	40.0	40.0
27	14	30	NE	NE	1.7	1.7
27	14	30	SE	NE	7.8	7.8
TOTAL APPROXIMATE ACRES					398.8	398.8

RECEIVED

FEB 0 2 2001

WATER RESOURCES DEPT.
SALEM, OREGON

DESCRIPTION	NORTHING	EASTING
POINTS OF DIVERSION		
WELL NO. 1	14115.7163	6144.4670
WELL NO. 2	12790.6562	7215.1987
WELL NO. 3	12057.9367	6144.3831
WELL NO. 4	11029.0470	6144.3411
BASIS OF BEARING		
SE CORNER SEC 29	10000.000	10000.0000

PREPARED FOR:

BALLY BANDON, L.P.
% MICHAEL KEISER
2450 N. LAKEVIEW
CHICAGO, IL 60614

PREPARED BY:

EGR & ASSOCIATES
2535 B PRAIRIE ROAD
EUGENE, OR 97402

LEGEND

- PROPERTY BOUNDARY
- SECTION LINE
- 1/4 SECTION LINE
- 1/16 SECTION LINE
- AREA OF PROPOSED COMMERCIAL USE
- PROPOSED POINT OF DIVERSION
- NEW PROPOSED AREA OF IRRIGATION
- PORTION OF PREVIOUS AREA OF IRRIGATION

THIS MAP HAS BEEN PREPARED FOR THE SOLE PURPOSE OF IDENTIFYING THE REQUESTED WATER RIGHT LOCATION. THERE IS NO INTENT TO PROVIDE DIMENSIONS OR LOCATIONS OF PROPERTY OWNERSHIP LINES.

DATE: 10-20-99
PROJECT NUMBER: 910-99-0146

EGR & Associates, Inc.
Engineers, Geologists and Surveyors
25358 Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

\\GEOSERVE\PROJECTS\0910 BCD\99 Water Rights\0910-99-0146\11-22-00-bcdwrAddendum.dwg

EGR & Associc
Engineers, Geologists and S
e Road
97402
3-8322
3-8087

Updated map. Showing existing wells only.

Shows ~~areas~~ areas where wells can be placed

May 27, 1997

Jake Szramck,
Water Rights Specialist
Oregon Water Resources Department
158 12th Street NE
Salem, Oregon 97310-0210

RE: G-13577, Bandon Coastal Dunes, Limited Partnership

Dear Mr. Szramck:

This letter is in response to our conversation of May 1, 1997, and a conversation with Mr. Woodcock on that same date. We are requesting a modification of Water Right Application G-13577 to reflect a lower total requested pumping rate; a further refinement and clarification of the points of diversion as outlined in the March 25, 1997, letter; and a modification to the location of the requested irrigated lands.

We have prepared a new area map which identifies potential well sites (both sump and conventional wells), potential excavated reservoir sites, and the existing wells which might be used on the properties. The property lines, as outlined on the map, are contiguous and under the control of the same owner. The location of the "¼ mile" line from fresh surface water sources is also identified on the maps for reference. We have also identified the areas within which we propose that individual sump wells or conventional wells, as previously identified, may be moved or placed to avoid wetlands, cultural features, poor production areas, access problems, and other technical considerations.

We expect that each conventional and sump will produce between 60 and 80 gpm. We have also been told by Jim Mack, of Bandon Well and Pump, that a properly screened conventional well that fully penetrates the available sand aquifer might produce as much as 100 to 200 gpm. A test well on the terrace in the area of the first golf course is currently planned.

The existing well identified to toward the north end of the property (labeled "A" on the area map) is the David Shuman well. This well produces about 50 gpm according to a recent pumping test (test results attached). No water right associated with this property has been identified to date. The existing well labeled "B" in the center of the property is the 120 foot deep exploration well

Updated map. Showing existing wells only.

Shows ~~future~~ areas where wells can be placed

EGR & Associates, Inc.
Engineers, Geologists and Surveyors

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

May 27, 1997

Jake Szramck,
Water Rights Specialist
Oregon Water Resources Department
158 12th Street NE
Salem, Oregon 97310-0210

RE: G-13577, Bandon Coastal Dunes, Limited Partnership

Dear Mr. Szramck:

This letter is in response to our conversation of May 1, 1997, and a conversation with Mr. Woodcock on that same date. We are requesting a modification of Water Right Application G-13577 to reflect a lower total requested pumping rate; a further refinement and clarification of the points of diversion as outlined in the March 25, 1997, letter; and a modification to the location of the requested irrigated lands.

We have prepared a new area map which identifies potential well sites (both sump and conventional wells), potential excavated reservoir sites, and the existing wells which might be used on the properties. The property lines, as outlined on the map, are contiguous and under the control of the same owner. The location of the "¼ mile" line from fresh surface water sources is also identified on the maps for reference. We have also identified the areas within which we propose that individual sump wells or conventional wells, as previously identified, may be moved or placed to avoid wetlands, cultural features, poor production areas, access problems, and other technical considerations.

We expect that each conventional and sump will produce between 60 and 80 gpm. We have also been told by Jim Mack, of Bandon Well and Pump, that a properly screened conventional well that fully penetrates the available sand aquifer might produce as much as 100 to 200 gpm. A test well on the terrace in the area of the first golf course is currently planned.

The existing well identified to toward the north end of the property (labeled "A" on the area map) is the David Shuman well. This well produces about 50 gpm according to a recent pumping test (test results attached). No water right associated with this property has been identified to date. The existing well labeled "B" in the center of the property is the 120 foot deep exploration well

drilled for this project. The most recent long term pumping test on this well (5 days long) indicated a continuous production of 80 gpm was possible (test results attached). These wells will be preferentially used for domestic/commercial uses. If necessary water from sump wells will be treated as surface water for domestic use should the drilled wells fail to sustain adequate flows.

A separate map is also attached which indicates the additional areas of irrigation use. The new points of use are on lands to the north and east of the previously requested points of use, and are to be used for irrigation of pasture grasses (which will help control gorse). These additional lands are under the same ownership. The actual ground to be irrigated will be determine in the proof survey since the layout of the irrigation system is still changing. The total acres of irrigation now outlined is 500 acres. The original application requested 300 acres of irrigation.

The total quantity of water now requested is hereby reduced to 3.55 cfs from the originally requested 5.88 cfs, allocated as follows:

- 0.46 cfs for domestic and commercial uses associated with the Destination Resort as prescribed under Oregon Law and Coos County Ordinance.

- 2.32 cfs for irrigation on 300 acres of golf courses and landscaping (as previously requested) associated with the Destination Resort. The water will be pumped from several drilled and sump wells to one or more excavated reservoirs (located on the terrace near the first golf course) where it will be distributed to the golf courses. Additional excavated reservoirs will be constructed as necessary near the points of use.

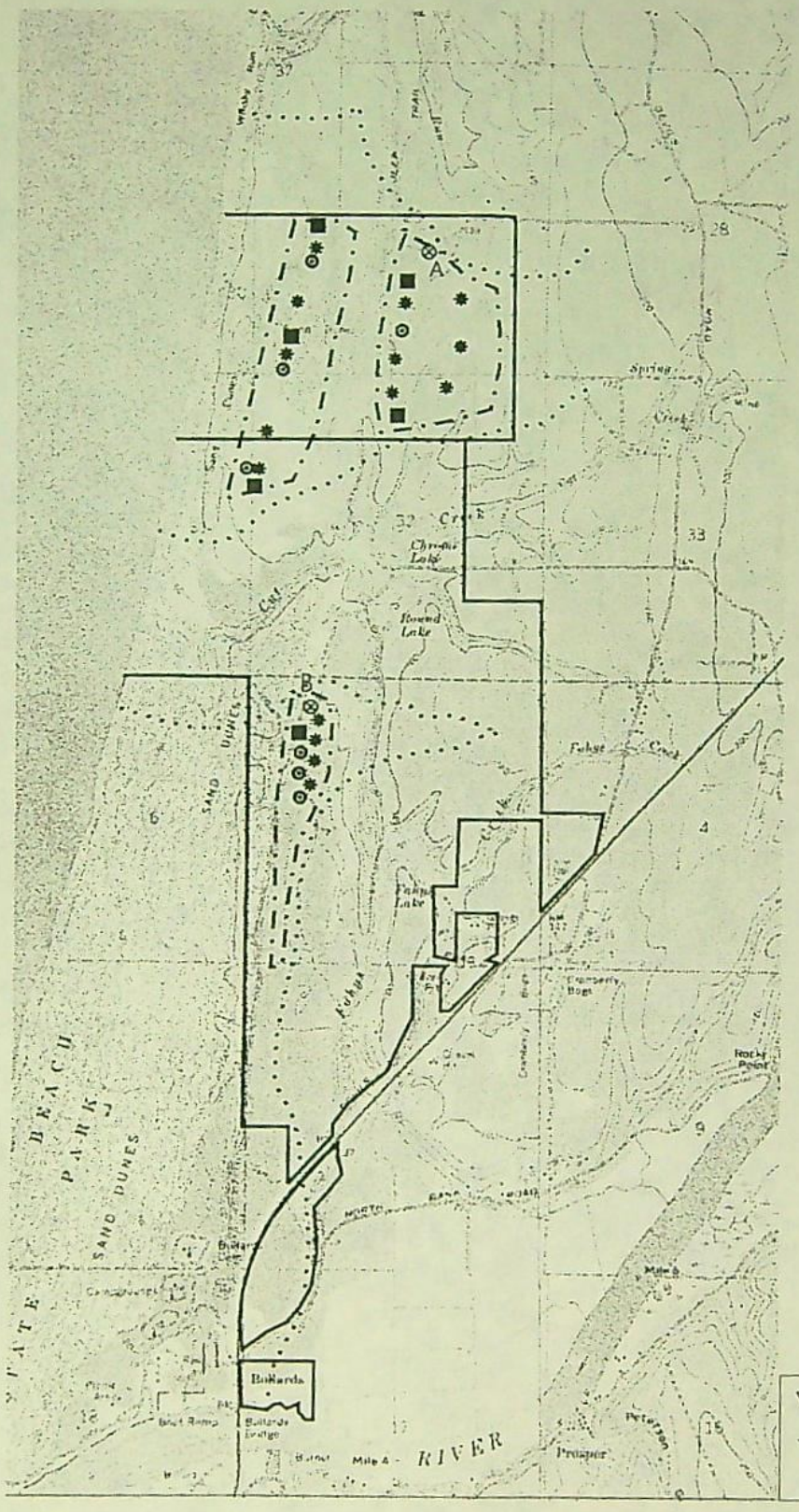
- 0.77 cfs for irrigation on 200 acres of pasture, grass lands, and nursery areas for control of gorse, grazing, and plant propagation. These areas are north of the Destination Resort area. Water will be delivered through the same water collection, storage, and distribution system as listed above.

Thus a total of 3.55 cfs (1595 gpm) is requested for 500 acres or 1/140 of a cfs per acre. Actual irrigation application rates will approach 1/80th of a CFS per acre but will come from the storage reservoirs. Ground water pumping will be within the parameters of the permit but will be on a more continuous basis.

If I can provide any further clarification please let me know.

Sincerely,

Ralph Christensen



N

1 inch = 3,000 feet

⊗ Existing Well

⊙ Potential Location of Drilled Well

✱ Potential Location of Sump Well

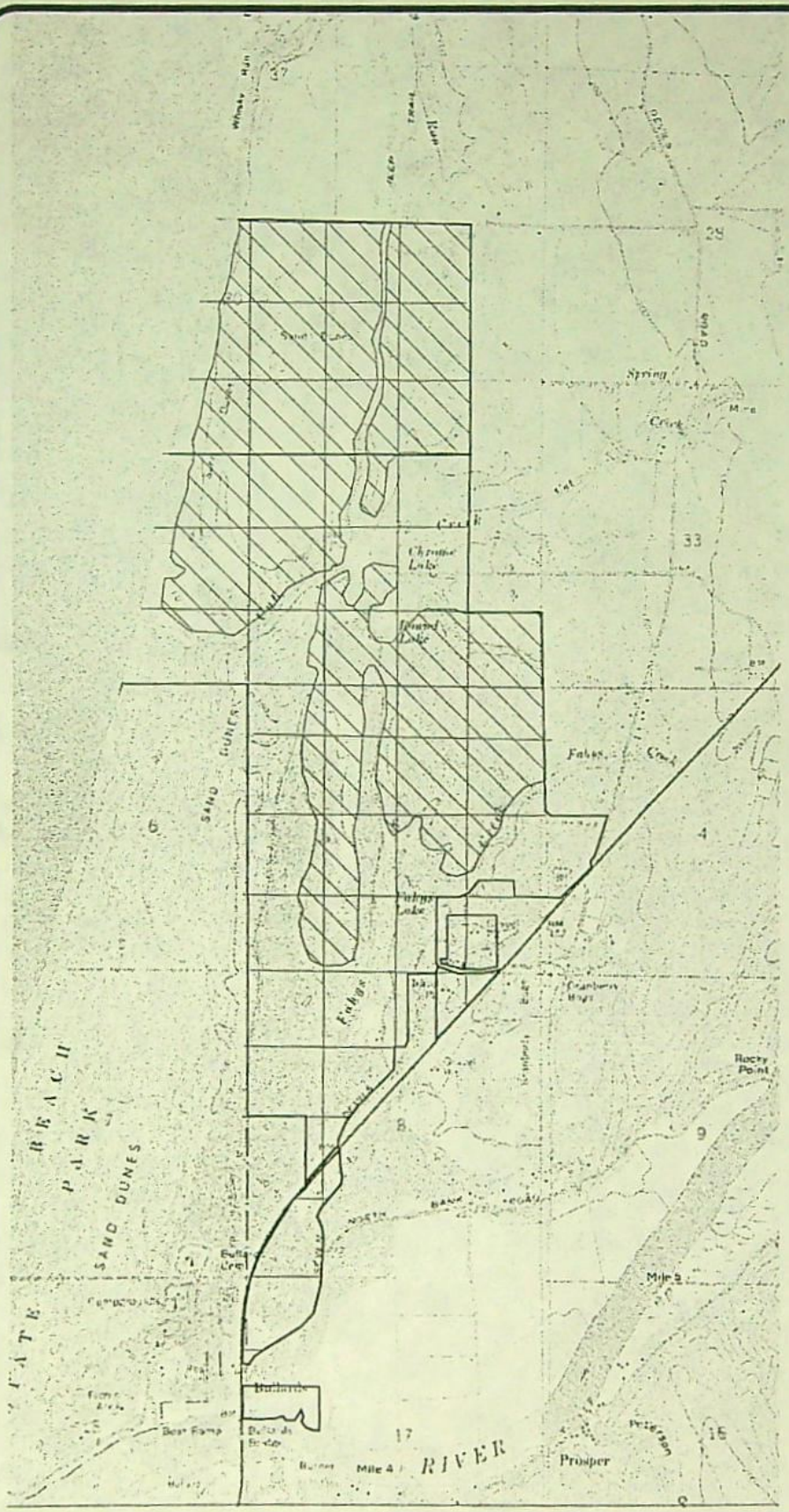
■ Potential Location of Excavated Reservior

Approximate Property Lines

1/4 Mile Line from Surface Water

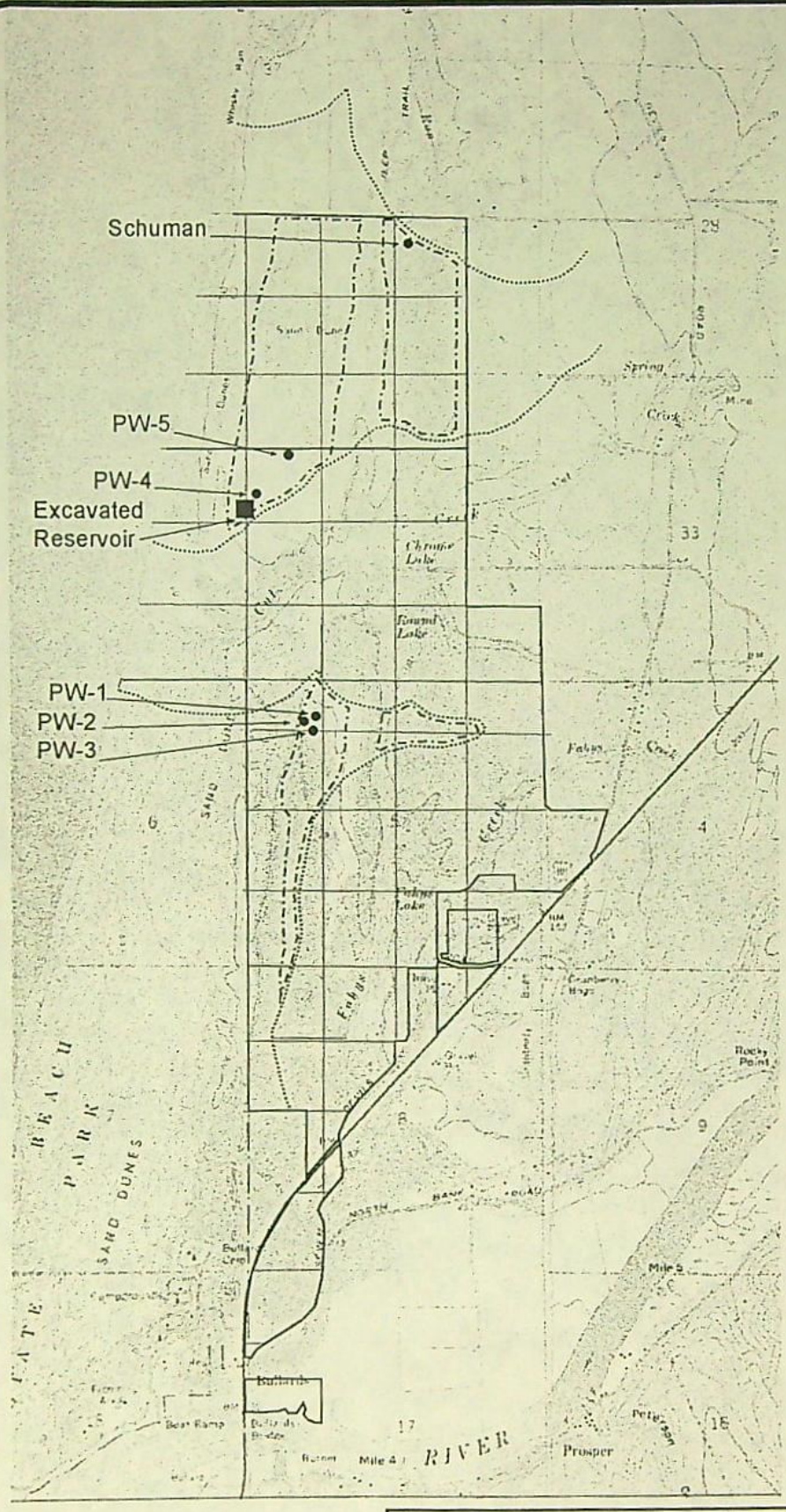
Alternative Well Placement Area

EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road,
Eugene, Oregon 97402
(503) 688-8322



EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Phone (541) 688-8322
FAX (541) 688-8067

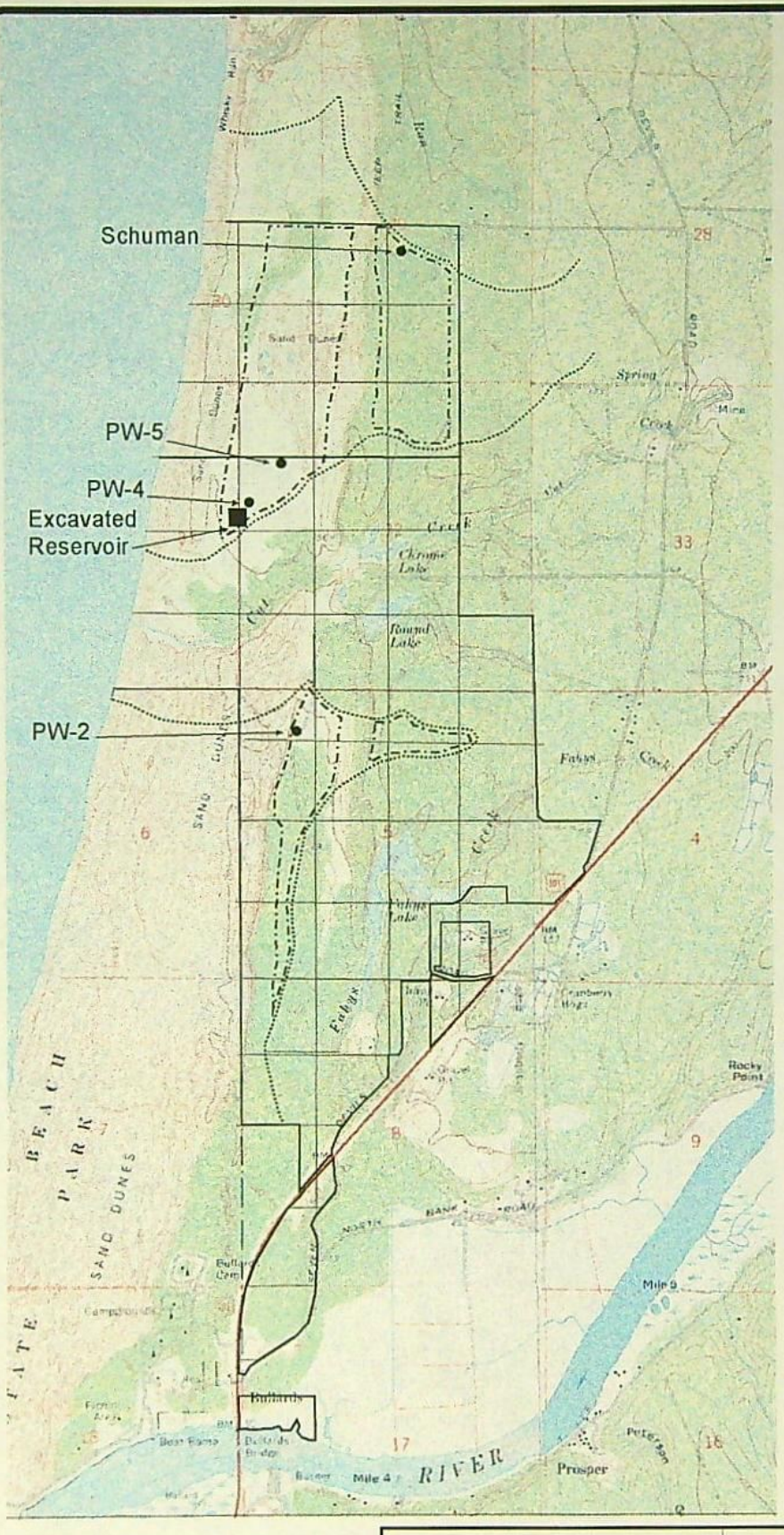
Irrigation Area Map
Bandon Coastal Dunes Resort



EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Phone (541) 688-8322
FAX (541) 688-8087

Bandon Coastal Dunes

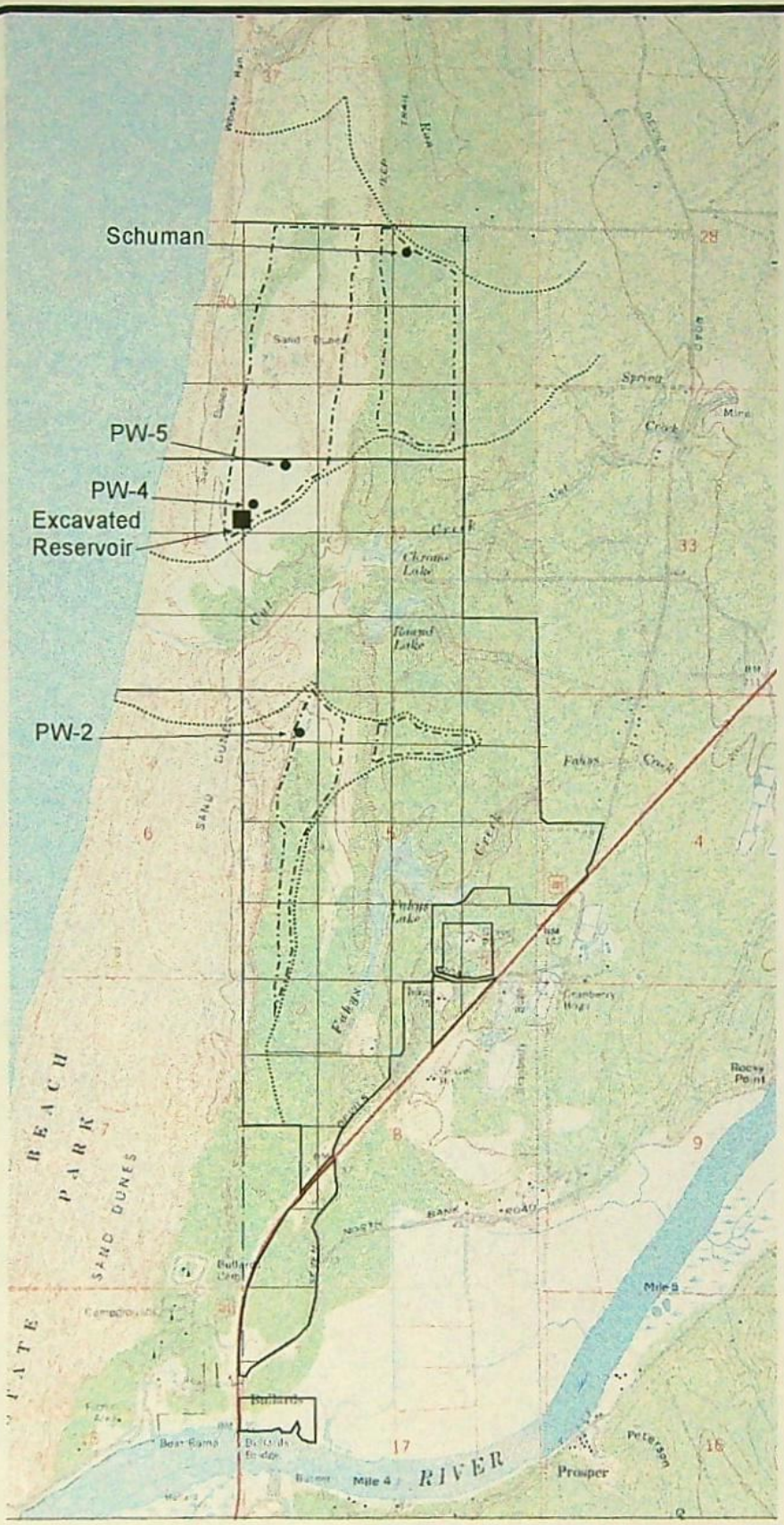
Well Location Map - 10/27/97



EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Phone (541) 688-8322
FAX (541) 688-8087

Bandon Coastal Dunes

Well Location Map - 10/27/97



EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B Prairie Road
Phone (541) 688-8322
FAX (541) 688-8087

Title Line 1
Title Line 2

Oregon
Water Resources Department
725 Summer St NE Suite A
Salem, OR 97301-1271

ADDRESS SERVICE REQUESTED

STATE OF OREGON

WATER RESOURCES DEPARTMENT

RECEIPT # 108119

3850 PORTLAND ROAD NE
SALEM, OR 97310
378-8455/378-8130 (FAX)

RECEIVED FROM: Cascade Ranch Inc

BY:

APPLICATION	G-13577
PERMIT	
TRANSFER	

CASH: ☐ CHECK: # ☒ 30-568 OTHER: (IDENTIFY) ☐ _____ TOTAL REC'D $ 1135.00

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. $

_____ COST CENTER AND OBJECT CLASS _____ 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)	_____	$

		EXAM FEE		RECORD FEE
	WATER RIGHTS:			
842.001	SURFACE WATER	$	842.002	$
842.003	GROUND WATER	$ 200.00	842.004	$ 935.00
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 #	

45-00-0 LOTTERY PROCEEDS

864.000	LOTTERY PROCEEDS	$

07-00-0 HYDRO ACTIVITY

		LIC NUMBER	
842.011	POWER LICENSE FEE(FW/WRD)		$
842.115	HYDRO LICENSE FEE(FW/WRD)		$
_____	HYDRO APPLICATION _____		$

RECEIPT # 108119 DATED: 12/7/93 BY: Celia A Spencer

Distribution—White Copy-Customer, Yellow Copy-Fiscal, Blue Copy-File, Buff Copy-Fiscal

Application No. G13579
Permit No.

Oregon Water Resources Department
3850 Portland Rd. NE
Salem, OR 97310
378 - 3671

Version: 8/27/90

Receipt for Request for Land Use Information

WRD Applicant Name: Bandon Dunes Limited Partnership.

This receipt must be signed by a local government representative and returned to the applicant for inclusion in the WRD application IF the local government can not provide the above requested land use information while the applicant waits.

City or County: Coos County

Staff Contact: Theda L. Kerns, Planning Technician Phone: 396-3121 ext 232

Signature: Theda L Kerns Date of Information Request: 9/16/93

RECEIVED
DEC 17 1993
WATERRESOURCES DEPT.
SALEM, OREGON

Oregon
WATER RESOURCES
DEPARTMENT
3850 Portland Rd NE
Salem OR 97310

G-13577





Con A
Fund

BANDON DUNES LIMITED PARTNERSHIP
2130 LINCOLN PARK W
CHICAGO, IL 60614

RECEIVED
JAN - 7 1994
WATER RESOURCES DEPT.
SALEM, OREGON

60614-4649 07

Oregon

WATER RESOURCES
DEPARTMENT

3850 Portland Rd NE
Salem OR 97310

G-13577





December

BANDON DUNES LIMITED PARTNERSHIP
2130 LINCOLN PARK W
CHICAGO, IL 60614

RECEIVED
JAN - 7 1994
WATER RESOURCES DEPT.
SALEM, OREGON

60614-4649 07

STATE OF OREGON
WATER RESOURCES DEPARTMENT

RECEIPT # 108119

3850 PORTLAND ROAD NE
SALEM, OR 97310
378-8455/378-8130 (FAX)

RECEIVED FROM: Cascade Ranch Inc
BY:

APPLICATION	G-13577
PERMIT	
TRANSFER	

CASH: ☐ CHECK: # ☑ 80-568 ☐ OTHER: (IDENTIFY) _____ TOTAL REC'D $ 1135.00

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. $

COST CENTER AND OBJECT CLASS 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)		$

		EXAM FEE		RECORD FEE
	WATER RIGHTS:			
842.001	SURFACE WATER	$	842.002	$
842.003	GROUND WATER	$ 200.00	842.004	$ 935.00
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 #	

45-00-0 LOTTERY PROCEEDS

864.000	LOTTERY PROCEEDS	$

07-00-0 HYDRO ACTIVITY LIC NUMBER

842.011	POWER LICENSE FEE(FW/WRD)		$
842.115	HYDRO LICENSE FEE(FW/WRD)		$
_____	HYDRO APPLICATION		$

RECEIPT # 108119 DATED: 12/17/93 BY: Celia A. Jensen

Distribution—White Copy-Customer, Yellow Copy-Fiscal, Blue Copy-File, Buff Copy-Fiscal

Oregon

WATER
RESOURCES
DEPARTMENT

December 21, 1993

BANDON DUNES LIMITED PARTNERSHIP
2130 LINCOLN PARK W
CHICAGO, IL 60614

REFERENCE: File(s) G-13577

We have received your application(s) for a water use permit along with your supporting data, documentation, and fees. A receipt is enclosed here unless you were previously issued one. Your application has been assigned the above referenced file number. Please refer to this number whenever you contact us about your application.

Even though your application has been received, filed and assigned an application reference number, no authorization has been granted to develop your water use. The filing of an application does not create a water right. Water may not be used without a water right permit.

After an application has been accepted for filing, public notification of the application is made, followed by the mandatory 30-day comment period. Thereafter, applications can be considered for processing as time allows.

At present the Water Resources Department has a backlog of several thousand applications for water use permits which has delayed our application processing time. Applications are processed in the order in which they are received.

The processing of an application does not guarantee that a water right permit will be issued. Each application must undergo a specialized analysis called a technical review and a public interest review. There is no way to determine at this time whether your particular proposed water use will be recommended for a permit.

3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

REFERENCE: File(s) - G-13577

When the report on the technical review is completed and sent to you, a 60-day objection period begins during which you, the applicant, or anyone who has expressed an interest in your proposed water use may communicate to us their disagreement with what we have said in our report on your application. After the 60-day objection period, the Department conducts the public interest review and considers any objections which have been made.

After any objections have been considered, there may follow time to allow parties to resolve conflicts over the proposed water use. In addition, a 30-day protest period may be required. Lastly, it may be necessary to schedule a hearing or send the application to the Water Resources Commission for their review. In most cases no objections are received and the application processing can proceed without further conflict resolution, protest, or hearing.

If your application is recommended for approval and a permit is issued, the use allowed by the permit will be subject to the Basin Program Rules of the Water Resources Commission, instream flow requirements, and the demands of prior right holders, and other conditions to conform the water use to particular standards.

Please contact the Water Rights Section of the Water Resources Department if you have any questions. You may write to us at 3850 Portland Road, Northeast, Salem, Oregon 97310 or you may call 378-3739 in Salem or toll free from within the state 1-800-624-3199.

Sincerely,

Steve Brown by CAR

Steve Brown
Manager
Water Rights Division

cc:CWRE

G 13577

WATER AVAILABILITY TABLE

Basin: South Coast
Water Availability Subbasin: 8000000000000000 (and Nested Subbasins)
Exceedance Level: 80
Time: 07:45 Date: 08/04/1994

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	8000000000000000	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	YES	YES

DETAILED REPORT ON WATER AVAILABILITY

Basin: South Coast
Stream: ~~CUT CR~~ Macklyn Cr > PACIFIC OCEAN
Water Availability Subbasin: 8000000000000000
Exceedance Level: 80
Time: 07:44 Date: 08/04/1994

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Water Available 1/1/93	CU + Stor After 1/1/93	Net Minimum Flow	Instream Water Rights	Net Water Available
1	1.34	1.27	0.07	0.00	0.07	0.00	0.07
2	1.81	1.80	0.01	0.00	0.01	0.00	0.01
3	1.56	0.20	1.36	0.00	1.36	0.00	1.36
4	0.68	0.20	0.48	0.00	0.48	0.00	0.48
5	0.27	0.21	0.06	0.00	0.06	0.00	0.06
6	0.14	0.22	-0.08	0.00	-0.08	0.00	-0.08
7	0.11	0.23	-0.12	0.00	-0.12	0.00	-0.12
8	0.08	0.22	-0.14	0.00	-0.14	0.00	-0.14
9	0.06	0.21	-0.15	0.00	-0.15	0.00	-0.15
10	0.06	0.20	-0.14	0.00	-0.14	0.00	-0.14
11	0.23	0.39	-0.16	0.00	-0.16	0.00	-0.16
12	1.78	1.75	0.03	0.00	0.03	0.00	0.03
Stor	1150	375	798	0	798	0	798

DETAILED REPORT OF CONSUMPTIVE AND STORAGE AFTER 01/01/1993

Basin: South Coast

Stream: CUT CR > PACIFIC OCEAN

Water Availability Subbasin: 8000000000000000

Time: 07:44 Date: 08/04/1994

Month	Consumptive Use			Storage		
	Apps.	Permits	Certs.	Apps.	Permits	Certs.
1	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00

DETAILED REPORT OF ISWRs

Basin: South Coast
Stream: CUT CR > PACIFIC OCEAN
Water Availability Subbasin: 8000000000000000
Time: 07:44 Date: 08/04/1994

	ISWRs					
APP # :	0	0	0	0	0	RESULTANT
STATUS:						
1	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 8000000000000000
Basin: South Coast
Exceedance Level: 80
Time: 07:45 Date: 08/04/1994

Month	Limiting Subbasin	Stream Name	Water Available?	Net Water Available
1	8000000000000000	CUT CR	YES	0.1
2	8000000000000000	CUT CR	YES	0.0
3	8000000000000000	CUT CR	YES	1.4
4	8000000000000000	CUT CR	YES	0.5
5	8000000000000000	CUT CR	YES	0.1
6	8000000000000000	CUT CR	NO	-0.1
7	8000000000000000	CUT CR	NO	-0.1
8	8000000000000000	CUT CR	NO	-0.1
9	8000000000000000	CUT CR	NO	-0.2
10	8000000000000000	CUT CR	NO	-0.1
11	8000000000000000	CUT CR	NO	-0.2
12	8000000000000000	CUT CR	YES	0.0
Stor	8000000000000000	CUT CR	YES	798.0

STREAM NAMES

Basin: South Coast
Water Availability Subbasin: 8000000000000000 (and Nested Subbasins)
Time: 07:45 Date: 08/04/1994

WAB #	Stream Name	Tributary to
8000000000000000	CUT CR	PACIFIC OCEAN

WATER AVAILABILITY TABLE

Basin: South Coast
Water Availability Subbasin: 7900000000000000 (and Nested Subbasins)
Exceedance Level: 80
Time: 09:26 Date: 09/02/1994

Item #	W.A. Subbasin	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	7900000000000000	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	YES

STREAM NAMES

Basin: South Coast
Water Availability Subbasin: 7900000000000000 (and Nested Subbasins)
Time: 09:26 Date: 09/02/1994

WAB #	Stream Name	Tributary to
7900000000000000	CUT CR	PACIFIC OCEAN

LIMITING WATER AVAILABILITY SUBBASINS

Water Availability Subbasin: 7900000000000000
Basin: South Coast
Exceedance Level: 80
Time: 09:26 Date: 09/02/1994

Month	Limiting Subbasin	Stream Name	Water Available?	Net Water Available
1	7900000000000000	CUT CR	YES	2.3
2	7900000000000000	CUT CR	YES	4.0
3	7900000000000000	CUT CR	YES	2.3
4	7900000000000000	CUT CR	YES	0.6
5	7900000000000000	CUT CR	NO	-1.0
6	7900000000000000	CUT CR	NO	-1.7
7	7900000000000000	CUT CR	NO	-2.0
8	7900000000000000	CUT CR	NO	-2.2
9	7900000000000000	CUT CR	NO	-2.2
10	7900000000000000	CUT CR	NO	-2.2
11	7900000000000000	CUT CR	NO	-1.8
12	7900000000000000	CUT CR	YES	0.8
Stor	7900000000000000	CUT CR	YES	1800.0

DETAILED REPORT OF ISWRs

Basin: South Coast
Stream: CUT CR > PACIFIC OCEAN
Water Availability Subbasin: 7900000000000000
Time: 09:26 Date: 09/02/1994

	ISWRs					
APP # :	0	0	0	0	0	RESULTANT
STATUS:						
1	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0

DETAILED REPORT OF CONSUMPTIVE AND STORAGE AFTER 01/01/1993

Basin: South Coast
Stream: CUT CR > PACIFIC OCEAN
Water Availability Subbasin: 7900000000000000
Time: 09:25 Date: 09/02/1994

Month	Consumptive Use			Storage		
	Apps.	Permits	Certs.	Apps.	Permits	Certs.
1	0.00	0.00	0.00	0.08	0.00	0.00
2	0.00	0.00	0.00	0.09	0.00	0.00
3	0.00	0.00	0.00	0.05	0.00	0.00
4	0.00	0.00	0.00	0.03	0.00	0.00
5	0.02	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.06	0.00	0.00

DETAILED REPORT ON WATER AVAILABILITY

Basin: South Coast
Stream: CUT CR > PACIFIC OCEAN
Water Availability Subbasin: 7900000000000000
Exceedance Level: 80
Time: 09:25 Date: 09/02/1994

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	Water Available 1/1/93	CU + Stor After 1/1/93	Net Minimum Flow	Instream Water Rights	Net Water Available
1	4.69	2.29	2.40	0.08	2.33	0.00	2.33
2	6.40	2.29	4.11	0.09	4.02	0.00	4.02
3	4.70	2.30	2.40	0.05	2.35	0.00	2.35
4	2.95	2.30	0.65	0.03	0.62	0.00	0.62
5	1.38	2.31	-0.93	0.02	-0.95	0.00	-0.95
6	0.68	2.35	-1.67	0.00	-1.67	0.00	-1.67
7	0.33	2.38	-2.05	0.00	-2.05	0.00	-2.05
8	0.16	2.36	-2.20	0.00	-2.20	0.00	-2.20
9	0.12	2.32	-2.20	0.00	-2.20	0.00	-2.20
10	0.12	2.30	-2.18	0.00	-2.18	0.00	-2.18
11	0.52	2.30	-1.78	0.00	-1.78	0.00	-1.78
12	3.16	2.29	0.87	0.06	0.81	0.00	0.81
Stor	2890	687	1820	19	1800	0	1800

App. : G13577

USER-ID 28099

1999 Oregon Water Resources Department 2000
October 1999 through September 2000
Annual Water Use - Monthly Quantities Form

WRD

Facility ☞ POD-ID ☜ 47809	(RANDOM) DUNES NO METER 47809 01/IR/DO/CM	PID #4 ID L 25195 METER [redacted] 4781[illegible] CM/DO/IR	WELL NO 1 ID L 10847 47812 CM/DO/IR/01	WELL NO 2 ID NO L 10848 47810 CM/DO/IR/01	WELL NO 3 ID L 186201 47814 CM/DO/IR/01
October - 1999	9,000 GALLONS	186,600 DO			
November - 1999	7,250	170,140 DO			
December - 1999	8,300	112,300 DO			
January - 2000	7,750	188,500 DO	0	0	0
February - 2000	7,250	254,400 DO			
March - 2000	7,750	209,300 DO			
April - 2000	7,500	342,800 DO	463180	2529900	2200
May - 2000	8960 IR 6200 DO	320,400 DO	2592000	3189000	2820600
June - 2000	8960 IR 7250 DO	276,000 DO	1555200	4776000	9164800
July - 2000	97650 IR 6000 DO	225,170 DO	3007870	5895800	7083600
August - 2000	97650 IR DO 7750	202,966 DO	2423460	4597400	6420100
September - 2000	9450 IR 7500 DO	312,600 DO	3600000	6827800	8245300
TOTAL *	574,600	2801176	13641710	27815900	33736600

see Trowbridge

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: METERS + FLOW BY HR. HOURS. If use is irrigation, total number acres irrigated 120

CM = YR IR = Mar - Oct
DO = YR 01 = Nov - Feb

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

Warren D Felton — COUNTIES + MAN MANAGER — BANDON DUNES — 12/29/00
Signature — Title — Reporting Entity — Date

WARREN D FELTON
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
158 12th Street NE; Salem, OR 97310-0210

75,194,210

12/29/2000 16:07 5413471217 BANDON DUNES HDQS PAGE 02