

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, 537.248¹, 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.

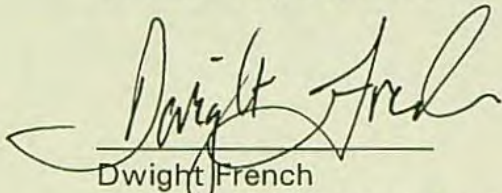
If the Department finds that diligence is questionable, the Department may:

- 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
Permit #G-13498

PFO Date: July 29, 2003

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

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Copies Mailed	
By:	
	(SUPPORT STAFF)
on:	8/2/03
	(DATE)

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Bandon, OR 97411

CASEWORKER: LJJ

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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.
CHICAGO, IL 60614

PHONE: (312) 281-0652

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 Δ POU/APOA

THE PLACE OF USE IS LOCATED AS FOLLOWS:

	<u>IRRIGATION*</u>	<u>SUPPLEMENTAL IRRIGATION</u>	<u>COMMERCIAL</u>
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, 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.

for 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 French for

Martha O. Pagel, Director
Water Resources Department

App(#G-13577 (Permit #G-13498
Barton Dunes Lmt'd Partnership

L. June 1

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.

$$19,087,700 \text{ gallons} \div 30 \text{ days} = 636,257 \text{ gpd}$$

$$636,257 \text{ gpd} \div 24 \text{ hrs} = 26,511 \text{ gph}$$

$$26,511 \text{ gph} \div 60 \text{ min} = 441.85 \text{ gpm}$$

$$441.85 \text{ gpm} \div 448.83 = 0.985 \text{ cfs} \quad \text{--- Sept 2000}$$



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	Twtnshp	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	Twtnshp	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	Twtnshp	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	Twtnshp	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; NE $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, SECTION 32, T 27 S, R 14 W, W.M., NW $\frac{1}{4}$ NW $\frac{1}{4}$, AND SW $\frac{1}{4}$ NW $\frac{1}{4}$, SECTION 5, T 28 S, R 14 W, W.M.; SCHUMAN WELL - 417 FEET SOUTH AND 283 FEET WEST FROM THE N $\frac{1}{4}$ 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 W $\frac{1}{4}$ 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 $\frac{1}{16}$ CORNER BETWEEN SECTIONS 5 AND 32; WELL 3 - 61 FEET SOUTH AND 303 FEET WEST FROM THE NW $\frac{1}{16}$ 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 2 $\frac{1}{2}$ 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 2 $\frac{1}{2}$ 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:

	<u>IRRIGATION*</u>	<u>SUPPLEMENTAL IRRIGATION</u>	<u>COMMERCIAL</u>
NE $\frac{1}{4}$ SW $\frac{1}{4}$	39.1 ACRES		
NW $\frac{1}{4}$ SW $\frac{1}{4}$	40.0 ACRES		
SW $\frac{1}{4}$ SW $\frac{1}{4}$	40.0 ACRES		
SE $\frac{1}{4}$ SW $\frac{1}{4}$	38.4 ACRES		X
NW $\frac{1}{4}$ SE $\frac{1}{4}$	40.0 ACRES		
SW $\frac{1}{4}$ SE $\frac{1}{4}$	40.0 ACRES		
SECTION 29			
NE $\frac{1}{4}$ SE $\frac{1}{4}$	12.0 ACRES		
SE $\frac{1}{4}$ SE $\frac{1}{4}$	18.0 ACRES		
SECTION 30			
NE $\frac{1}{4}$ NE $\frac{1}{4}$	27.1 ACRES		
SE $\frac{1}{4}$ NE $\frac{1}{4}$	33.6 ACRES		
NE $\frac{1}{4}$ SE $\frac{1}{4}$	45.8 ACRES		
SE $\frac{1}{4}$ SE $\frac{1}{4}$	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:

		<u>IRRIGATION*</u>	<u>SUPPLEMENTAL IRRIGATION</u>	<u>COMMERCIAL</u>
• 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				

		<u>IRRIGATION*</u>	<u>SUPPLEMENTAL IRRIGATION</u>	<u>COMMERCIAL</u>
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 - NW $\frac{1}{4}$ SE $\frac{1}{4}$, 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 - NE $\frac{1}{4}$ SW $\frac{1}{4}$, 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 - NW $\frac{1}{4}$ SW $\frac{1}{4}$, 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 - NW $\frac{1}{4}$ SW $\frac{1}{4}$, 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 - SW $\frac{1}{4}$ SW $\frac{1}{4}$, 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 - NW $\frac{1}{4}$ NW $\frac{1}{4}$, 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 - NW $\frac{1}{4}$ NW $\frac{1}{4}$, 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.

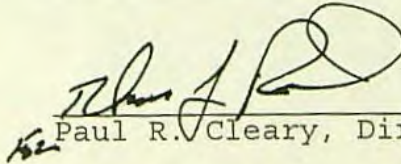
THESE CHANGES TO AN EXISTING WATER PERMIT MAY BE MADE PROVIDED THE FOLLOWING CONDITIONS ARE MET BY THE WATER USER:

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 16 2001

APPLICATION FOR:

**WATER RESOURCES DEPT
SALEM, OREGON**

Please check one

- ☐ Water Right Transfer ☐ Temporary Transfer ☒ Permit Amendment
☐ Historic Point of Diversion Change ☐ Government Action Point of Diversion

1. APPLICANT INFORMATION

COPY

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 _____

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3. CURRENT WATER RIGHT INFORMATION

Name on Permit, Certificate, or Decree: Bandon Dunes Limited Partnership

Decree: _____

☒ Not applicablePermit Number: G-13498 Certificate Number: _____☐ Not applicable☐ Not applicablePriority Date: December 17, 1993 Authorized Use: Irrigation 500 acres year-round
Commercial use, Domestic use (500 homeSource of Water: Groundwater County: Coos CountyAre 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 ☒ NoAre 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

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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.

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5. LAND OWNERSHIP

Answer only
if for change
in **Use** or
Place of Use.

Use/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.

Answer only
if applicant
is **not** the
landowner.

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.

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.

Answer only
if the receiving
landowner is
not the original
landowner or
the applicant.

Receiving Landowner

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.

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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)

- ❶ In EFU zone or irrigation district.
- ❷ Change in place of use only.
- ❸ No structural changes needed, including diversion works, delivery facilities, other structures.
- ❹ 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 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 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*.

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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)	Δ POA
PW5 (COOS 50514; COOS 50935, L10848)	27 FEET NORTH AND 382 FEET WEST	NW1/16 CORNER, SECTION 32	APOA A-H
PW4 (COOS 50508; L10847)	377 FEET NORTH AND 173 FEET EAST	W1/4 CORNER, SECTION 32	A-H
WELL 1 (COOS 1252)	641 FEET SOUTH AND 69 FEET WEST	W1/16 CORNER BETWEEN SECTION 5 AND 32	A-H
WELL 2 (COOS 1253; COOS 51152, L25195)	632 FEET SOUTH AND 254 FEET WEST	W1/16 CORNER BETWEEN SECTION 5 AND 32	A-H
WELL 3 (COOS 1254)	61 FEET SOUTH AND 303 FEET WEST	NW1/16 CORNER, SECTION 5	A-H
L34007 (COOS 51622)	325 FEET NORTH AND 638 FEET EAST	NW CORNER OF SECTION 32 (COMMON TO SECTIONS 29, 30, 31, & 32)	APOA
L34008 (COOS 51626)	1354 FEET NORTH AND 646 FEET EAST <i>NW SW</i>	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

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 X		
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		X ✓
27S	R14W W.M.	29	SW	SE	27.8 X		
27S	R14W W.M.	29	NW	NW	38.8 X		
27S	R14W W.M.	29	NE	NW	40.0 X		
27S	R14W W.M.	29	SE	NW	40.0 X		
27S	R14W W.M.	29	SW	NW	40.0 X		
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 X		
27S	R14W W.M.	30	SE	NE	7.9 X		
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		X -
27S	R14W W.M.	32	SE	SW	12.5 X		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 X		
27S	R14W W.M.	20	SE	SW	38.2 X		
27S	R14W W.M.	20	SW	SW	15.0 X		
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 X		
28S	R14W W.M.	5	SE	NW	13.6 X		
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 X		
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.					

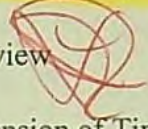
COPY

App 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?**

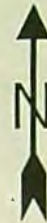
Answer: Six wells have been drilled to date. (NOTE: a permit amendment issued under Sp. Order Vol 56, Pgs. 907 thru 913, allows the appropriation of water from 6 additional wells, however, none of those wells have been drilled yet.)

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.



1 inch = 3,000 feet

- ⊗ Existing Well
- ⊙ Potential Location of Drilled Well
- * Potential Location of Sump Well
- Potential Location of Excavated Reservoir

— 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
Doug Woodcock
1-22-03

For Ground Water / Hydrology Staff Use:

☒ 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.

can't find one in file

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 Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## 13577

ROUTED TO: COLLEEN

TOWNSHIP/ 27S/14-31,32

RANGE-SECTION: ~~44S~~ 28S/14W-5

CONDITIONS ATTACHED? [☒yes] [☐no]

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: DEW.

TO: Water Rights Section

11-13, 1997

FROM: Groundwater/Hydrology Section Don 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)

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;
 - 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.

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
 - c. ☐ I don't know if it met standards at the time of construction.
- constructed according to the standards in effect at the time of original construction or most recent modification.

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: _____

(Signature)

_____, 1992.

(WRFORM 13/92)



EGR & Associates, Inc.

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

February

Mr. Jake
Water Resources
158 12th
Salem, OR

RE: Ar

Dear Mr. S

Bandon Coa
permit (#G-1
does not resu
total area und
modifications

If wells are to be moved or added
DPOA and APOA permit amendment
as well.

Need permit amendment for DPOA.

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

-13498

a of their
ayout
nds the

- The total area of the Coastal Dunes could lay out the irrigated golf courses will extend farther 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 02 2001

WATER RESOURCES DEPT.
SALEM, OREGON

If wells are to be moved or added?
DPOA ^{and} or APOA permit amendment
as well.

Need permit amendment for DPOU.

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

Mr. Jake Szramek
Water Resources Department
158 12th St. NE
Salem, OR 97310

G 13577

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

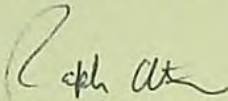
FEB 02 2001

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.

A handwritten signature in dark ink, appearing to read 'Ralph Christensen'.

Ralph Christensen, R.P.G.

cc: Doug Woodcock (WRD)
Howard McKee (BCD)

RECEIVED

FEB 02 2001

WATER RESOURCES DEPT.
SALEM, OREGON

FO CHECKLIST

FILE # C-13577

REVIEW DATE: 5/12/98

PFO WEEK # 132

PFO TO FO CONVERSION

INITIALS: Rnk

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. ONES 370 Verify payment of recording fees (circle the appropriate option)

200 EXAM
 100 REC Comm
 125 REC Dam
 100 REC 10A
 980 REC 490AL
 1505
 PD 11 35
 370

 - (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
9. Y/N Is further processing possible? If not state reason: ONES 370
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: ADD "TOTAL" TO SUB AL UNDER PURPOSE OR USE DESCRIPTION OF ALPS & POU				MGMT CODES: 7A, 7B 3B,

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 132 & delete duplicates
17. ✓ Print final draft of document and submit to team leader for review
18. Y/N Team leader review completed

M:\groups\wr\fo\tools\chklist.wpd

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: <u>HW</u> (SUPPORT STAFF) on: <u>10/13/98</u> (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 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

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

Copies Mailed	
By: <u>CAK</u>	
(SUPPORT STAFF)	
on: <u>2/3/98</u>	
(DATE)	

JO
JCB
6/29/98



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:

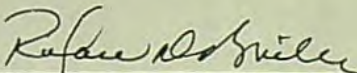
Use of water for irrigation under this permit is limited to a development of a maximum of 500.0 acres of the potential 1024.5 acres identified in the description of the Place of Use above.

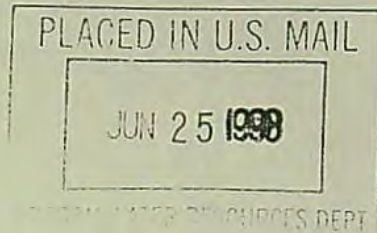
Order

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 26, 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.
CHICAGO, IL 60614

PHONE: (312) 281-0652

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:

	<u>IRRIGATION*</u>	<u>SUPPLEMENTAL</u> <u>IRRIGATION</u>	<u>COMMERCIAL</u>
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

Application G-13577 Water Resources Department
Basin 17 Volume 7 BASIN 15 MISC
RWK MGMT.CODES 3BW 7AG 7AR 7BG 7BR

PERMIT DRAFT
District 19

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

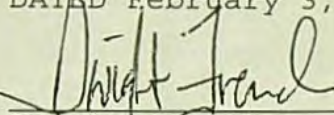
a preponderance of evidence that the proposed use would impair or be detrimental to the public interest.

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.
- 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.

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!!!
STATE OF OREGON

DRAFT

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.
CHICAGO, IL 60614

PHONE: (312) 281-0652

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 1500.0 ACRES
A TOTAL OF

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, *NE 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; *PW4* - 377 FEET NORTH AND 173 FEET EAST FROM W 1/4
CORNER, SECTION 32; *PW5* - 27 FEET NORTH AND 382 FEET WEST FROM SW
CORNER, NW 1/4 NW 1/4, SECTION 32; *SCHUMANN WELL* - 417 FEET SOUTH AND
283 FEET WEST FROM *NW 1/4* CORNER, SECTION 32
NW 1/4

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:

	<u>IRRIGATION*</u>	<u>SUPPLEMENTAL IRRIGATION</u>	<u>COMMERCIAL</u>
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 ✓	249.5	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 ✓	350.6	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	1023.68		X
NE 1/4 NW 1/4	1035.68		X
SECTION 8			
TOWNSHIP 28 SOUTH, RANGE 14 WEST, W.M.			

*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: Brandon Dunes L.P.

BY: _____

APPLICATION	613577
PERMIT	
TRANSFER	

CASH: ☐ CHECK: # ☒ 9 OTHER: (IDENTIFY) ☐

TOTAL REC'D \$ 370.00

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) TC165 DEPOSIT LIAB. (IDENTIFY)

\$

Existing) TC168

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

\$

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: 5/1/95

BY: M. Margo

Distribution-White Copy-Customer, Yellow Copy-Fiscal, Blue Copy-File, Buff Copy-Fiscal

2 each at 130

1 golf course ~~is not~~
is complete

RECEIVED

AUG 10 1998

WATER RESOURCES DEPT.
SALEM, OREGON

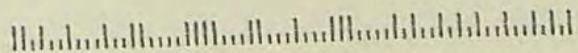
*For Water Rights Application
Number 9-13577*

Bandon Dunes
57744 Round Lake Drive
Bandon, OR 97411



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
(Please print or type - use dark ink)

Attn: Howard McKee

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	<u>300 acres</u>
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.
Signature of Applicant

Date

12/13/93

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 11 day of December, 1993, at 8 o'clock, a M.

APPLICATION NO: G 13577



EGR & Associates, Inc.
Engineers, Geologists, and Surveyors
2535 B Prairie Road
Eugene, Oregon 97402
(541) 688-8322

File
6-13577

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:

Laura Snedaker, Sr.
Water Rights Examiner

From:

Ralph Christensen

Phone

Fax Phone

CC:

Phone

Fax Phone

(541) 688-8322

(541) 688-8087

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.

TOWNSHIP, RANGE, SECTION, AND QUARTER QUARTERS IN WHICH COMMERCIAL USE IS TO OCCUR:

TOWNSHIP	RANGE	SECTION	1 / 1 6	1 / 4
			SEC.	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
28 S	14 W	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

January 8, 1998

Laura K. Snedaker
Water Resources Department
158 12th Street NE
Salem, OR 97310-0210

RECEIVED

JAN - 9 1998

**WATER RESOURCES DEPT.
SALEM, OREGON**

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.

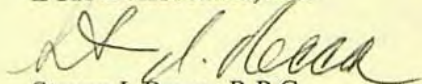
The BCD Resort will ultimately comprise three (3) golf courses, commercial development (clubhouses, pro shops, overnight rooms, etc.), and residential development. The golf courses are to be maintained as Scottish Links style golf courses. Except for tees and greens the turf grasses on such a course 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

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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

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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.

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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.

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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.

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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

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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.

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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.

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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 gulying 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

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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

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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.

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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.

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JAN - 9 1998

WATER RESOURCES DEPT.
SALEM, OREGON

This map unit is in capability subclass Vlle.

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.

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JAN - 9 1993

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.

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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.

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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

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,

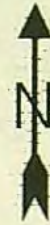
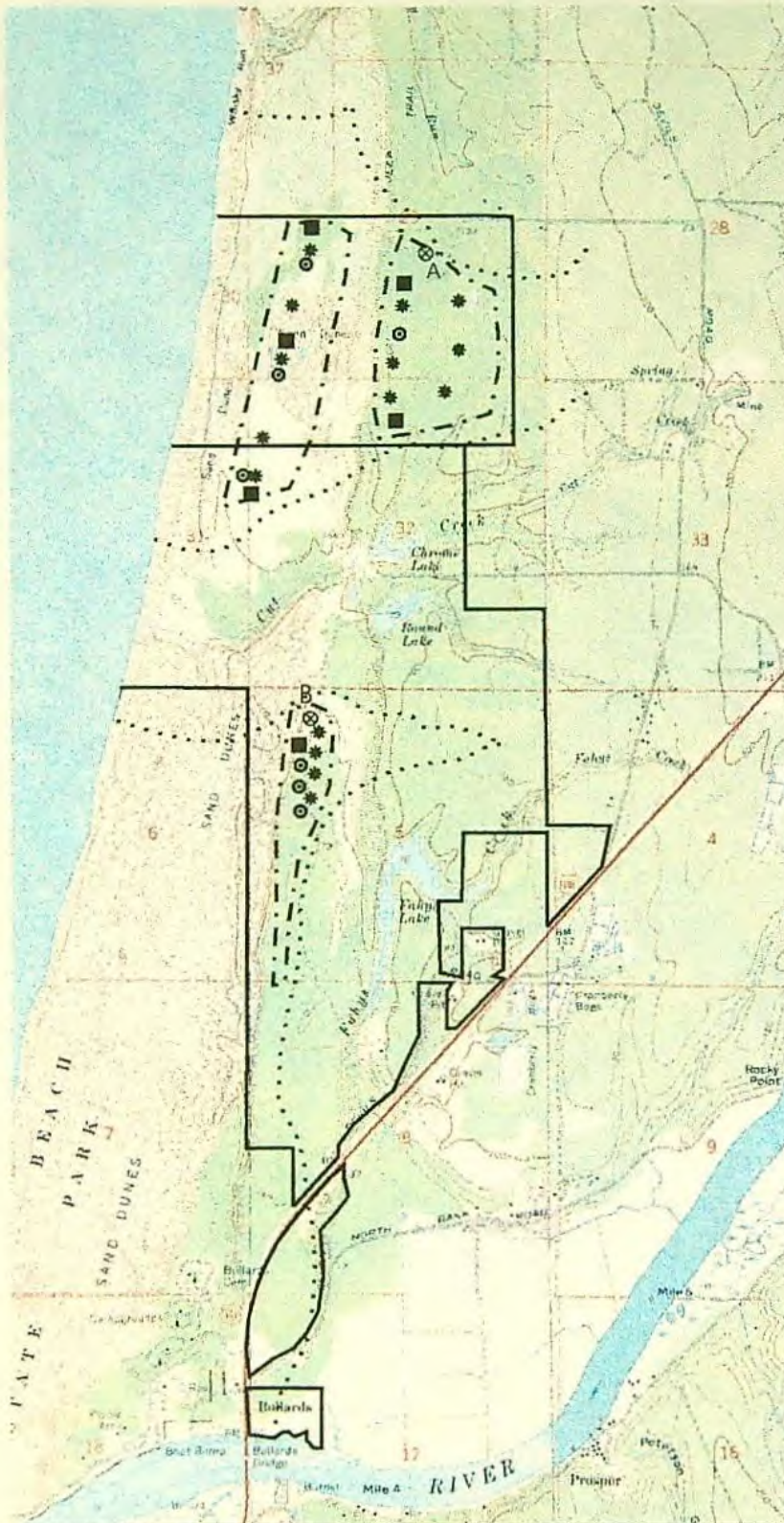
Ralph W. Christensen RG
Principal Geologist

RECEIVED

JAN 31 1997

WATER RESOURCES DEPT.
SALEM, OREGON

613577



1 inch = 3,000 feet

- ⊗ Existing Well
- ⊙ Potential Location of Drilled Well
- * Potential Location of Sump Well
- Potential Location of Excavated Reservoir

— 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.

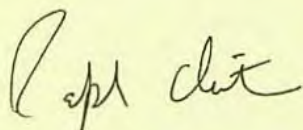
The total quantity of water now requested is hereby reduced to 3.55 cfs from the originally requested 5.88 cfs, allocated as follows:

- 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,

A handwritten signature in dark ink, appearing to read 'Raph Christensen', with a stylized, cursive script.

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-4 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).

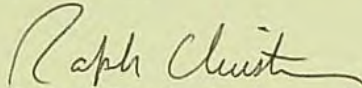
3. Meters on all water sources used on the site.
4. At least quarterly monitoring of conductivity in production wells will be used to monitor against salt water intrusion where drawdowns project below seas level.

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

(as required by ORS 537.765)

(START CARD) # 71678

Zip 10614

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

WATER WELL REPORT

(as required by ORS 537.765)

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

P-2

(START CARD) #

(1) OWNER:

Name Michael Kirsner Well Number 324 344
Address 2450 N LAKELAND
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"

Explosives used ☐ Yes ☒ No Type Amount

HOLE

SEAL

Diameter	From	To	Material	From	To	Sacks or pounds
6"	0	33	Bentonite	0	15	0.5x

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"	+16"	32'4"	20x	☐	☒	☒	☐
Liner:				☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

From		To	Slit size	Number	Diameter	Tele/pipe size	Casing	Liner
30	32'4"	1/16x1/8"	4	1/2"	Pipe	☒	☐	☐

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

☐ Pump	☐ Bailor	☐ Air	☐ Flowing
Yield gal/min	Draw-down	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 ☐ Oily ☐ 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
Section 5 NW 1/4 NW 1/4
Tax Lot 100/222 Lot Block Subdivision
Street Address of Well (or nearest address) Randolph Rd
Randon

(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 MacIsaac Date 11/10/94

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.

PW-2

(START CARD) # 71679

(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"
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
10"	0	29	Bentonite	0	40	36 SX
9"	29	125	Concrt	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 18/20

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 5"	+1	1108"	190"	☐	☒	☒	☐
	116"	125"	190"	☐	☒	☒	☐
8"	+1/6"	9'	125"	☒	☐	☐	☐
Liner: (Protective Casing)				☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method Attached to casing

☒ Screens Type Houston V-wire Material Steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
1108"	116"	10/16		5"	Pipe	☐	☐

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

☐ Pump	☐ Bailor	☒ Air	☐ Flowing
Yield gal/min	Drawdown	Drill stem at	Time
<u>11-50</u>		<u>125'</u>	<u>1 hr.</u>

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
Section 5 NW 1/4 NW 1/4
Tax Lot 10000 Lot _____ Block _____ Sub-division _____
Street Address of Well (or nearest address) Randolph Rd
West well Bandon

(10) STATIC WATER LEVEL:

52' 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	5.0	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	
Gravel			
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	52'
w/ Sand medium Gray to orange			
Sand w/ sandy clay	117	125	
medium Gravel			

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.

Signed _____ WWC Number _____ 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.

Signed Jim M. L. M. C. C. WWC Number 1493 Date 11/10/94

(As required by ORS 537.765)

PW-3

71680

Well Number 324

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)

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

WELL I.D.# 40847

27-14-31 NE-SE
(START CARD) # 93052

(1) OWNER:

Name EGR Well Number 498
Address 4445 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 28' ft.
Explosives used ☐ Yes ☒ No Type TOE Amount TOE

HOLE

SEAL

Diameter	From	To	Material	From	To	Seals or pounds
12 1/4"	0	127	Portland Cement	30	74	145X
6"	127	243	Cement	130	243	175X

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

☒ Other Bentonite Poured from surface

Backfill placed from 74 ft. to 128 ft. Material Cement

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"	116'	96'	1280	☒	☐	☒	☐
	116'	126'	1280	☒	☐	☒	☐
	(TOE)	Pipe		☐	☐	☐	☐
Liner:				☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method Attached to Casing
☒ Screens Type Horton V-Wire Material Stainless Steel

From	To	Slot size	Number	Diameter	Tele/pipe	Casing	Liner
96'	116'	.070		8"	Pipe	☐	☐

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

☒ Pump ☐ Bailor ☐ Air ☐ Flowing
Yield gal/min 100 Drawdown 11' 8 1/2" Drill stem at 95' Time 1 hr
100 13' 7 1/2" 95' 2 hrs
100 15' 2 1/2" 95' 3 hrs
100 16' 4 1/2" 95' 4 hrs
Temperature of water 52° Depth Artesian Flow Found 4 + 05
Was a water analysis done? ☒ Yes By whom BWYS
Did any strata contain water not suitable for intended use? ☐ Two little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:

County Coos Latitude 42° N or S Range 14 E or W WM.
Township 31 NE 1/4 SE 1/4
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 Loc. Bandon

(10) STATIC WATER LEVEL:

67' 3/4" 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' 3/4"
173	185'	+/- 50	-
Specific Capacity 5.47 gal/FT of DD			

(12) WELL LOG:

Ground Elevation +/- 300'

Material	From	To	SWL
Sand Fine Brown	0	2	
Sand Fine Brown/interbed clay	2	13	10'
Sand Fine-med Brown	13	23	
Peat w/ sand Fine-med Brown	23	30	
Sandy Clay Gray w/ Peat base	30	34	
Sand Blue Gray Fine-med	34	40	
Gravel Fine-med w/ sand	40	65	
Fine-med Blue Gray			
Sand CAS-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 CAS-Fine w/ sand	96	116	67' 3/4"
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

(unofficial) 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 date 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 Don Mackie, M.C.W.C. Date 7/21/97

204206-04

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 back page of this form.

Pg 1

(1) OWNER:

Name Eugene
Address
City Eugene State OR Zip 97401

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/reconstruction) ☐ 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' 9"
Explosives used ☐ Yes ☒ No Type None

HOLE

Diameter From To Material Concrete 30' - 130' Sacks or pounds
6" 180' 185' Concrete 180' 185' 15x

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

☒ Other Bentonite Powder Around Bore Surface

Backfill placed from 130' ft. to 180' ft. Shale

Gravel placed from 130' ft. to 180' ft. Shale gravel 6/9

(6) CASING/LINER:

Diameter	From	To	Gauge	Material	Welded	Threaded
Casing: <u>8"</u>	<u>+2'</u>	<u>140'</u>	<u>250</u>	☒	☐	☐
<u>8"</u>	<u>140'</u>	<u>180'</u>	<u>250</u>	☒	☐	☐
				☐	☐	☐
				☐	☐	☐
Liner:				☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method Attached to Casing
☒ Screens Type Houston Material Stainless Steel

From	To	Size	Number	Diameter	Coating	Filter
<u>140'</u>	<u>160'</u>	<u>1/2"</u>	<u>070</u>	<u>8"</u>	<u>180'</u>	☐
						☐
						☐
						☐
						☐

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

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Anemometer

Yield gpm/min	Drawdown	Drift down at	Time
<u>170</u>	<u>80' 3"</u>	<u>140'</u>	<u>1 hr.</u>
<u>170</u>	<u>20' 11"</u>	<u>140'</u>	<u>2</u>
<u>170</u>	<u>21' 3 1/2"</u>	<u>140'</u>	<u>3</u>
<u>170</u>	<u>21' 7"</u>	<u>140'</u>	<u>4</u>

Temperature of water 52° Depth Anemometer Flow Found 140'

Was a water analysis done? ☒ Yes By whom BWS + S ☐ No

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

☐ Salty ☐ Muddy ☐ Oily ☐ Colored ☐ Other

Depth of strata: 180'

(9) LOCATION OF WELL by legal description:

County Clatsop Latitude Longitude
Township 27 N or S Range 14 E or W
Section 31 NE 1/4 SE 1/4
Tax Lot 400 Lot Block Subdivision
Street Address of Well (or nearest address) Empire Road 10th Dist Bandon

(10) STATIC WATER LEVEL:

78' 3" ft. below land surface Date 7/22/97
Arterian pressure lbs. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 10'

From	To	Estimated Flow Rate	SWL
<u>10</u>	<u>81</u>	<u>50+</u>	<u>10'</u>
<u>105</u>	<u>138</u>	<u>100+</u>	<u>65'</u>
<u>148</u>	<u>177</u>	<u>540 GPM</u>	<u>78'</u>

(12) WELL LOG:

Ground Elevation +1-300'

Material	From	To	SWL
<u>Fill</u>	<u>0</u>	<u>2</u>	
<u>Sand Fine Brown</u>	<u>2</u>	<u>6</u>	
<u>Coarsest Sand Brown</u>	<u>6</u>	<u>10</u>	<u>10</u>
<u>Sand Fine-med w/</u>	<u>10</u>	<u>22</u>	
<u>Sandy Clay Lenses</u>			
<u>Sandy Clay White</u>	<u>22</u>	<u>24</u>	
<u>Sand Fine-med Brown</u>	<u>24</u>	<u>30</u>	
<u>Sandy Clay Tan</u>	<u>30</u>	<u>34</u>	
<u>Sand Brown Fine-med</u>	<u>34</u>	<u>40</u>	
<u>Peat</u>	<u>40</u>	<u>41</u>	
<u>Sand Fine-med Brown</u>	<u>41</u>	<u>45</u>	
<u>Gravel Fine-med w/ sand</u>	<u>45</u>	<u>55</u>	
<u>Med-Fine Brown</u>			
<u>Sand CFS-Fine w/ gravel</u>	<u>55</u>	<u>73</u>	
<u>Fine-med Brown</u>			
<u>Gravel Fine-med w/ sand</u>	<u>73</u>	<u>80</u>	
<u>CFS-Fine Gravel Brown</u>			
<u>Gravel med-Fine w/</u>	<u>80</u>	<u>81</u>	
<u>Sand CFS-Fine Gravel</u>			

Date started 6/1/97 Completed 7/24/97

(Seal) Water Well Constructor Certification:

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

Signed Bandon Well + Septic Co Inc WWC Number
(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 James M. McQuinn WWC Number 1493 Date 7/25/97

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

WELL I.D.# L10840

(START CARD) #

93055

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

Pg 2

(1) OWNER:

Name EGR Well Number 508
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			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	

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:

		Method		Type		Material			
From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	1 liner		
						☐	☐		
						☐	☐		
						☐	☐		
						☐	☐		
						☐	☐		

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

☐ Pump	☐ Bailer	☐ Air	☐ Flowing
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 W.M. 1
Section 31 NE 1/4 SE 1/4
Tax Lot 400 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) End of Ponderosa Rd at
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:

Material	From	To	SWL
Clay Gray w/wood + Gravel CBS	81	85	
Sandy Clay Gray	85	92	
Clay w/ Birt Wood	92	93	
Clay Gray	93	99	
Clay Ben w/ Root + 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	78.7'
CBS - Fine Gray			
Gravel Fine-med w/ Gray	168	178	
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

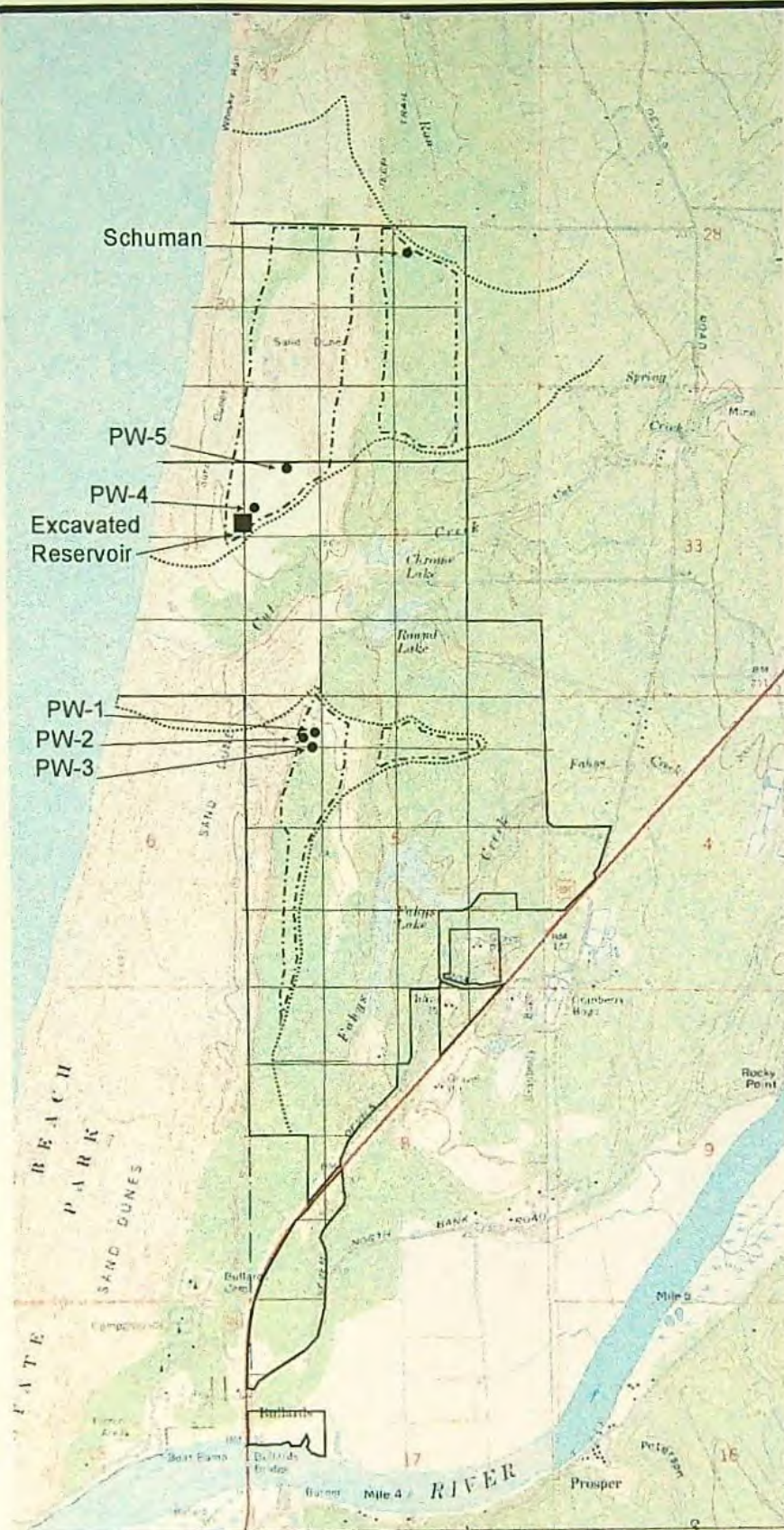
(banded) Water Well Constructor Certification:

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 Bandon Well & Septic Co. Inc. Date _____
(banded) 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.

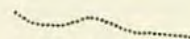
Signed Jim MacL. Mawc WWC Number 1493 Date 7/25/97



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)

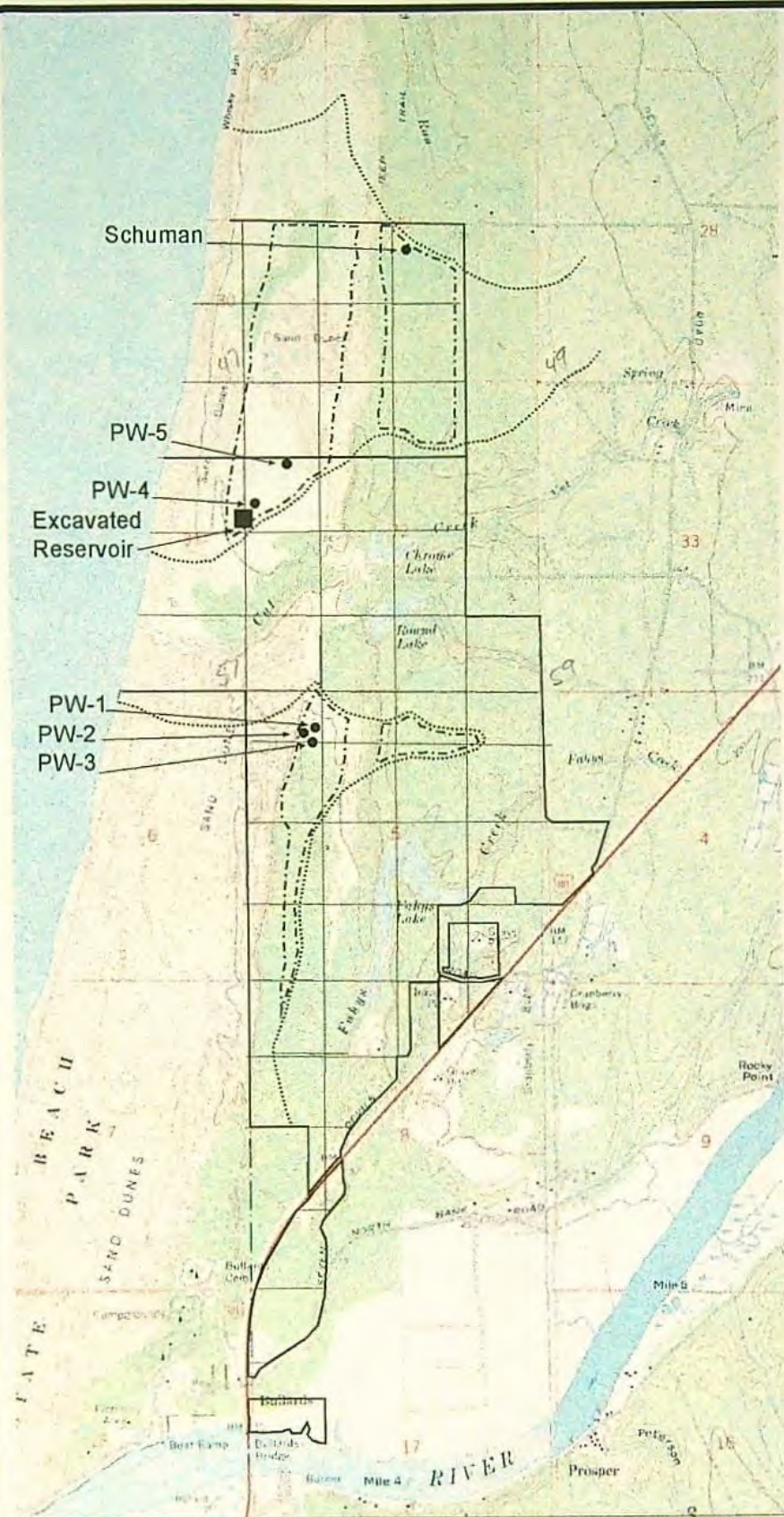
Scale: 1" = 3000'



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

6-3577



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) 688-6087

Bandon Coastal Dunes
Well Location Map - 10/27/97



EGR & Associates, Inc.

Engineers, Geologists and Surveyors

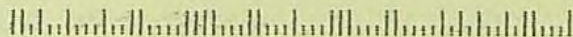
2535B Prairie Road Eugene, Oregon 97402



974 PADD 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



AUGUST 17, 1994

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

WATER
RESOURCES
DEPARTMENT

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.

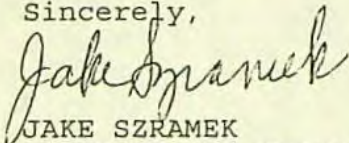
If objections and evidence are submitted no later than the above time and date, the Director will evaluate each issue raised in the objections and will either accept or deny them. Objectors are encouraged to indicate whether they would be interested in resolving their concerns through alternative dispute 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
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 #: 6 13577

Basin: S. Coast - 19 WAB: _____

County Coos Township 275 Range 14W Section 31, 32 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 Done & Commercial, acres irrigated per 1/4 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
 - ☒ 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
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 - predates
- ☐ 12. Have conflicts been identified, verified and/or addressed? Y N
- ☒ 13. Rate 1/80 Duty 2 1/2 Irrigation Season March - 2 Oct
- ☒ 14. Period of Allowed Use March - 2 Oct & Out of Season: Nov - Feb.
- ☒ 15. Allowed Rate of Use 3.55 cfs
- ☒ 16. Is the use **Small** (≤ 0.1 cfs, ≤ 9.2 AF), **Medium** (> 0.1 or < 1.5 cfs, > 9.2 or < 100 AF) or **Large** (≥ 1.5 cfs, ≥ 100 AF)? requesting 3.55 cfs, being 0.46 cfs for Dam & Comm Use, 32.32 cfs for irrig of 300 ac golf course & 0.77 cfs for irrig on 2000 pasture
- ☒ 17. Conditions See gw reviewed
- ☒ 18. IR Public Notice Date T. Review
- ☒ 19. Documents used in determination are attached and highlighted Dam = 500 dwellings
- ☒ 20. Spell Check 500 ac $\times \frac{1}{80} = 6.25$ max - irrigation
- ☒ 21. Check for Accuracy ? 1024.5 $\times \frac{1}{80} = 12.8$ cfs
- ☒ 22. Final PFO report hard copy check (format, margins, etc.)
- ☒ 23. Final PFO has been saved to m:\groups\lwr\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 Swadlow

Date: 11-24-97

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.

(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:

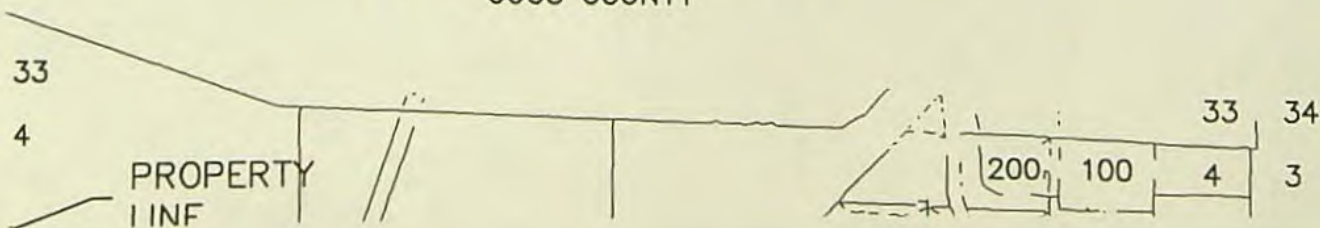
- (1) "Domestic use" means the use of water for domestic water use, group domestic water use, commercial water use of less than 5,000 gallons per day, or human consumption as defined in OAR 690-11-010.
- (2) "Fish culture or fish life use" means the use of water for aquatic life water uses as defined 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

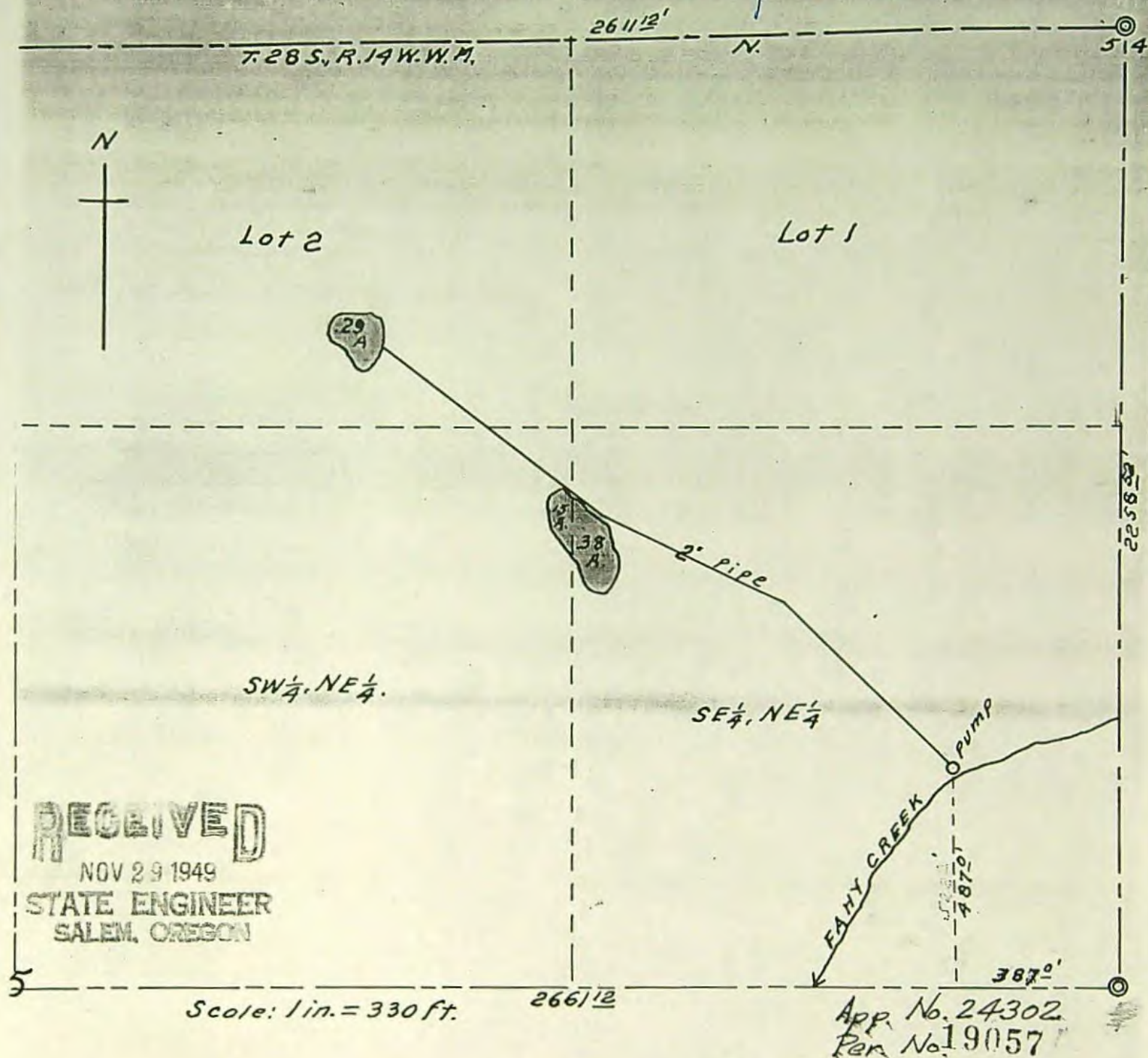
TOWNSHIP	RANGE	SECTION	1/16 SEC	1/4 SEC	APPROXIMATE TOTAL ACRES	APPROXIMATE IRRIGATED ACRES
27 S	14 W	29	NW	SW	40.0	40.0
27 S	14 W	29	SW	SW	40.0	40.0
27 S	14 W	29	SE	SW	40.0	38.4
27 S	14 W	29	NE	SW	40.0	39.1
27 S	14 W	29	SW	SE	40.0	40.0
27 S	14 W	29	NW	SE	40.0	40.0
27 S	14 W	30	SE	SE	40.0	18.0
27 S	14 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

SECTION 4 T.28S, R.14W. W.M.
COOS COUNTY



Cert 21475

yes



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.

NCR



No records in Sec. 30

NCR

no map in file

No apple records
in Sec. 29 + 30

DATE	TIME	LOCATION	ACTIVITY	REMARKS
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000

Subject file

NCR

DATE	TIME	LOCATION	ACTIVITY	REMARKS
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10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000

NCR

DATE	TIME	LOCATION	ACTIVITY	REMARKS
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
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10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000
10/10/2023	10:00	1000	1000	1000

NCR

NCR

NCR

NCR

NCR

file not in drawer

✓
NCR
NCR
NCR
NCR
NCR

not in file - most likely
drawer

NCR
NCR
NCR

NCR

} subject
file

NCR

NCR
NCR

} over to hearings
most likely NCR

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Company ENGINEERING & GEOLOGIC RESAddress 2535 B PRAIRIE RD STE BCity EUGENE State OR Zip 97402**2 Your Internal Billing Reference Information** 0010-94-0910**3 To**Recipient's Name LAURA K. SNEDAKER Phone (503) 378-8455

Dept./Floor/Suite/Room

Company WATER RESOURCES DEPARTMENTAddress 128 158 12th Street NECity Salem State OR Zip 97310-0210**For HOLD at FedEx Location check here**☐ **Hold Weekday** ☐ **Hold Saturday**
(Not available with FedEx First Overnight® or FedEx International Overnight®)**For Saturday Delivery check here**☐ **Saturday Delivery**
(Not available with FedEx First Overnight® or FedEx International Overnight®)**4a Express Package Service Packages under 150 lbs.**☒ **FedEx Priority Overnight** ☐ **FedEx Standard Overnight** ☐ **FedEx 2Day***☐ **NEW FedEx First Overnight**(Subject to business delivery delivery to most locations. Higher rates apply.)**4b Express Freight Service Packages over 150 lbs.**☐ **FedEx Overnight Freight** ☐ **FedEx 2Day Freight** ☐ **FedEx Express Saver Freight**(Call for delivery schedule. See back for detailed restrictions of freight products.)**5 Packaging** ☒ **FedEx Letter** ☐ **FedEx Poly** ☐ **FedEx Box** ☐ **FedEx Tube** ☐ **Other Pkg.****6 Special Handling**Does this shipment contain dangerous goods? ☐ Yes ☐ No☐ **Dry Ice** ☐ **CA Cargo Aircraft Only****7 Payment**Bill to: ☒ **Sender** ☐ **Recipient** ☐ **Third Party** ☐ **Credit Card** ☐ **Cash/Check**

FedEx Account No.

Credit Card No.

Total Packages

Total Weight



Total Charges

*Other applicable charges apply to this shipment. See SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY sections for further information.**8 Release Signature**☐ Check here if package was dropped off

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Rev. Date 6/98
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Company ENGINEERING & GEOLOGIC RESAddress 2535 B PRAIRIE RD STE BCity EUGENE State OR Zip 97402**2 Your Internal Billing Reference Information** 0010-94-0910**3 To**Recipient's Name LAURA K. SNEDAKER Phone (503) 378-8455

Dept./Floor/Suite/Room

Company WATER RESOURCES DEPARTMENTAddress 12B 158 12th Street NE

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City Salem State OR Zip 97310-0210**For HOLD at FedEx Location check here**☐ **Hold Weekday**
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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 at 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
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(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**
(Declared value limit \$500)☐ **FedEx Pak**☐ **FedEx Box**☐ **FedEx Tube**☐ **Other Pkg.****6 Special Handling**

Does this shipment contain dangerous goods?

☒ **Yes** (Use per attached
Shipper's Declaration)☐ **Yes** (Shipper's
Declaration
not required)☐ **Dry Ice**Dry Ice, 9 UN 1845 III _____ 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**
(Enter FedEx account no. or Credit Card no. below)☐ **Third Party**☐ **Credit Card**☐ **Cash/
Check**

Total Packages

Total Weight

Total Declared Value*

Total Charges

1

17.2

\$

.00

\$

*When declaring a value higher than \$500 per shipment, you pay an additional charge. See SERVICE
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1 From Date 1/8/98

Sender's Name RALPH CHRISTENSEN

Phone (541) 688-8322

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

Company Water Resources Dept.

Address 158 12th St. NE

City Salem State OR Zip 97310-0210

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1 Hold Weekday 31 Hold Saturday

Not available with FedEx First Overnight or FedEx Standard Overnight

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1 FedEx Priority Overnight 5 FedEx Standard Overnight 3 FedEx 2Day*

6 NEW FedEx First Overnight

4b Express Freight Service Packages over 150 lbs.

7 FedEx Overnight Freight 8 FedEx 2Day Freight 83 FedEx Express Saver Freight

5 Packaging 6 FedEx Envelope 2 FedEx Pak 3 FedEx Box 4 FedEx Tube 1 Other Pkg

6 Special Handling Does this shipment contain dangerous goods?

6 Dry Ice 4 Yes 4 No

7 Payment Bill to: 1 Sender 2 Recipient 3 Third Party 4 Credit Card 5 Cash/Check

Total Packages 1 Total Weight 172

Total Charges \$

8 Release Signature

CONDITIONS, RECIPIENTS WAIVE AND LIMIT OR LIABILITY. SIGNATURE REQUIRED FOR SERVICE

272

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G7

Name FILE G-13577
By
Address BANDON DUNES GOLF RESORT
C/O DONALD J STASTNY, OWNER'S REPRESENTATIVE
2309 SW 1ST #1145
PORTLAND OR 97201

Application No. G13577

Permit No. G13498

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	56117

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 Amend. V. 56 p. 907

T-9647 Δ POU V 59 p. 435

T-9782

T-10476 V. 74 p. 681

2004 **PHONE CALL**

FOR WED F.C. DATE 1-21 TIME 144 A.M.

M R ROX BLAIGAN

OF ANYWAY ☒ PHONED

PHONE ☐ FAX ☐ MOBILE (503)-241-9404 RETURNED YOUR CALL

MESSAGE ? G 13577 PLEASE CALL

CLAIM WILL CALL AGAIN

PORTLAND T8861 CAME TO SEE YOU

QUEST-A PERMIT WANTS TO SEE YOU

SIGNED Tops FORM 4003

Across in ? in
SE NE & NESE
SECTION 31 &
CHANGED CONDITION
(500 AC LIMIT)

LANE CO. PUB WKS
341 6900

IMPORTANT MESSAGE

FOR WED 499 DATE 11-19 TIME 11 11 A.M.

M RALPH CHRISTIANSON

OF TIME FRAME ☒ PHONED

PHONE ☐ FAX ☐ MOBILE 541-688-8322 RETURNED YOUR CALL

MESSAGE STATUS - DRAFT ☒ PLEASE CALL

DOUG WILL CALL AGAIN

G-135770 WOODCOCK CAME TO SEE YOU

SIGNED Tops FORM 4006

12-12-95 Phone Call
w/ John Deolet

No INTERVENING PODS
ON CUT OR BELOW
PROPOSED DEVELOPMENT

- 1024.5 ACRES LINED
- 500 ACRES ALLOWED 4/ IN
THE 1024.5 AC.
- LUNCH 500 ACRES TO 3E
ALLOWED DETERMINED @ P200F

FILE G-13577

BANDON DUNES GOLF RESORT
C/O DONALD J STASTNY, OWNER'S REPRESENTATIVE
2309 SW 1ST #1145
PORTLAND OR 97201

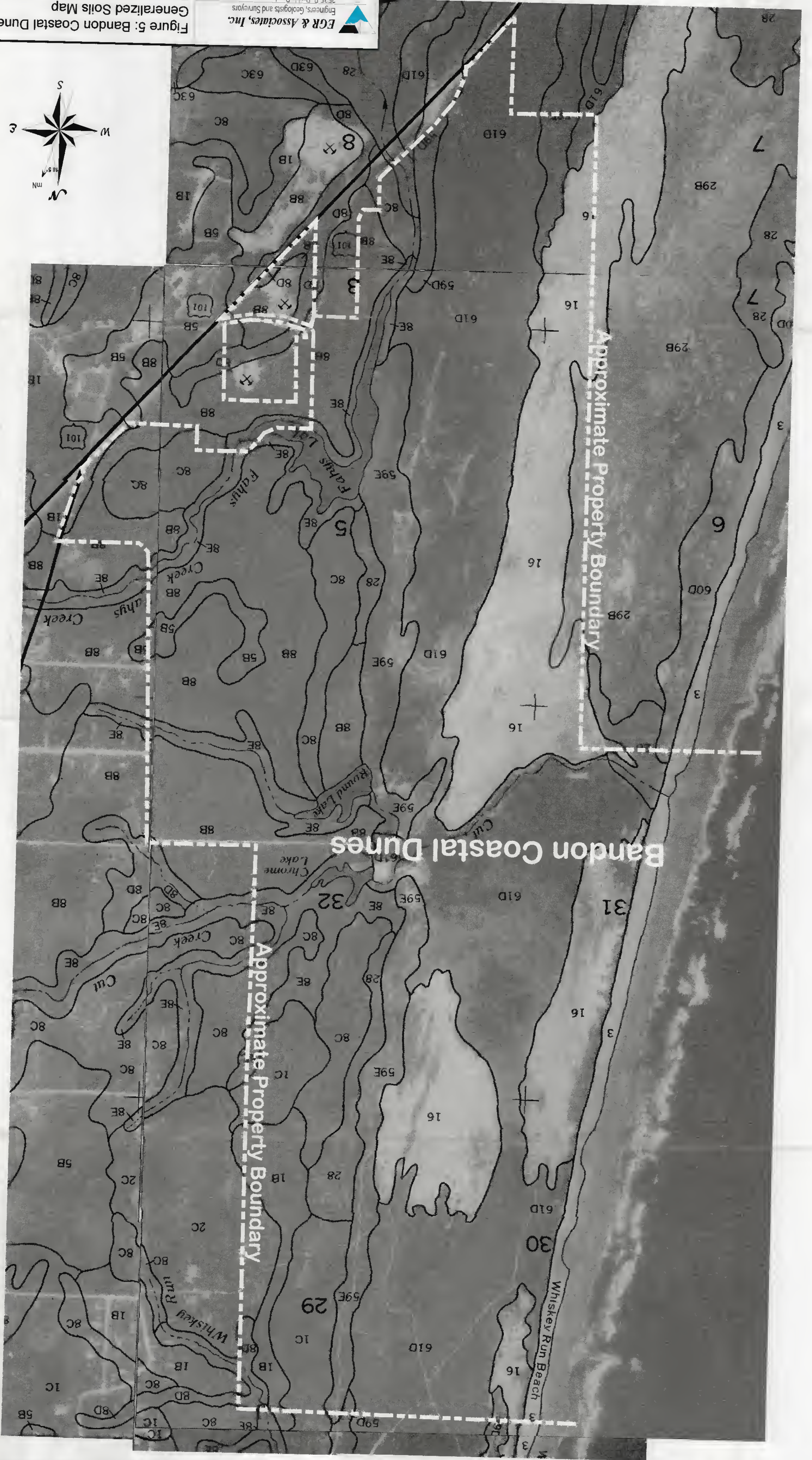
FILE G-13577

BANDON DUNES GOLF RESORT
C/O DONALD J STASTNY, OWNER'S REPRESENTATIVE
2309 SW 1ST #1145
PORTLAND OR 97201



Figure 5: Bandon Coastal Dunes
Generalized Soils Map
From Coos County Soil Survey

EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B. Prairie Road
Phone (541) 682-8222
Fax (541) 682-8007





EGR & Associates, Inc.

Engineers, Geologists and Surveyors

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

January 8, 1998

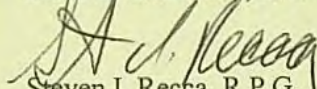
Laura K. Snedaker
Water Resources Department
158 12th Street NE
Salem, OR 97310-0210

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. Recta, R.P.G.

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WATER RESOURCES DEPT.
SALEM, OREGON

Post-It™ brand fax transmittal memo 7671 # of pages 1

To: Cheryl, EGR	From: L BARRON
Co. Coos	Co. Coos
Dept.	Phone: 396-3121, x-210
Fax: 688-8087	Fax: 396-3640

EGR

PAGE 02

ills, Hydroelectric Licenses, Water Uses In
to Classified Uses

Compatibility with local comprehensive plans as
Water Resources Department will use this and other information
diverted, conveyed, and/or used only on federal lands.

Applicant's Name: Budson Coal and Dunes Limited Partnership
Address: P.O. Box 2072
City: Budson State: OR Zip: 97411 Day Phone: (541) 747-4380

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/RH-5)	Check All That Apply		
		Water Diverted	Water Conveyed	Water Use
Sec. Attachment	BPR 2000	☒	☒	☒

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 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 Ordinance	☒		

(over)

Receipt for Request for Land Use Information

WRD Applicant Name: _____

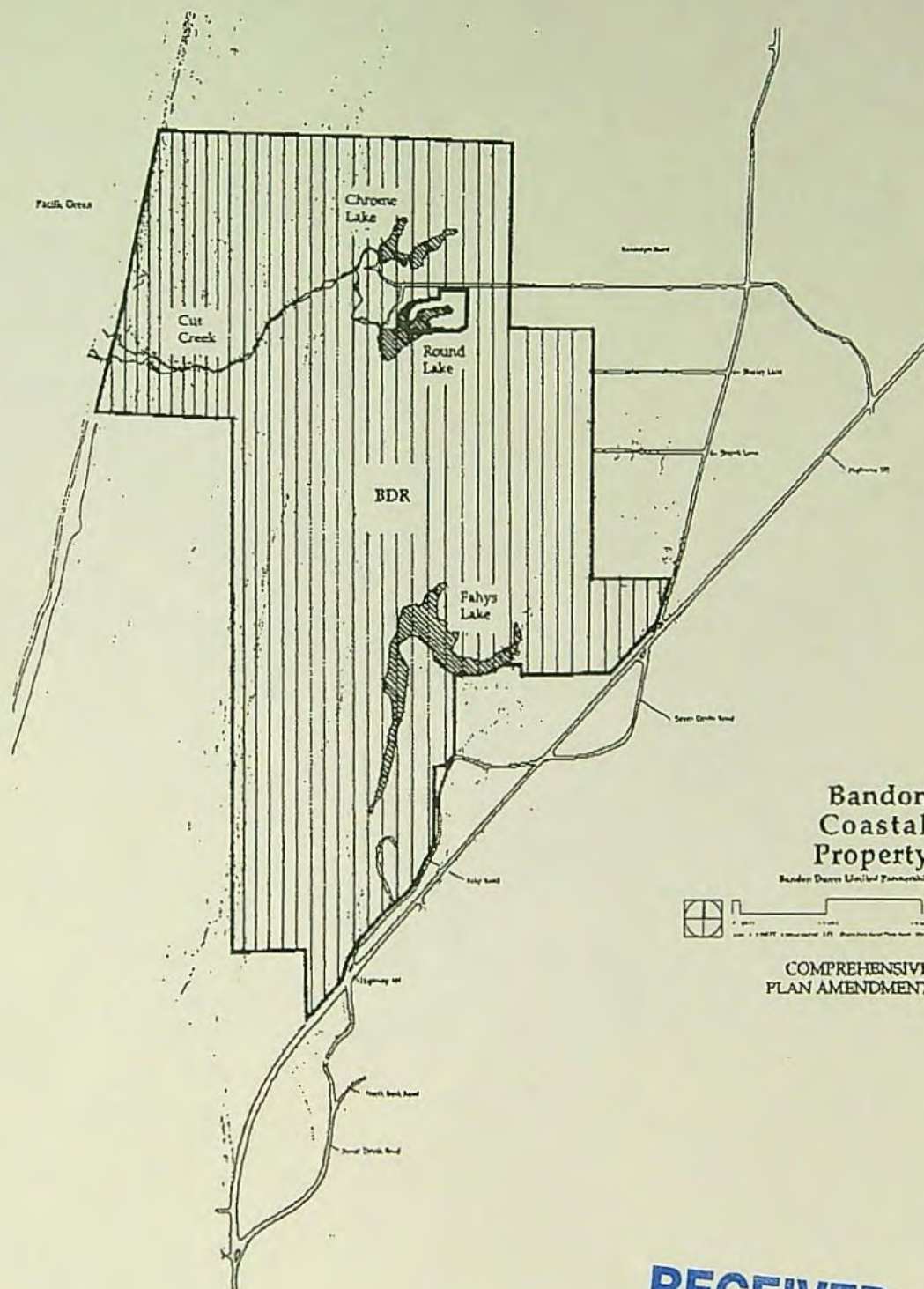
This receipt must be signed by a local government representative and returned to the applicant
for inclusion in the WRD application IF the local government cannot provide the above
requested land use information while the applicant waits.

City or County: Coos CountyStaff Contact: LAURA BARRON, PLANNER Phone: 396-3121 x-210Signature: Laura Barron Date of Information Request: 1/8/98

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SALEM, OREGON

BANDON COASTAL DUNELANDS
FINAL DECISION

EXHIBIT D



Comprehensive Plan Map Amendment

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WATER RESOURCES DEPT.
SALEM, OREGON

1 BOARD OF COMMISSIONERS

2 COUNTY OF COOS

3 STATE OF OREGON

4
5
6 IN THE MATTER OF AMENDING THE)
7 COOS COUNTY COMPREHENSIVE PLAN)
8 [Bandon Dunes Limited Partnership) ORDINANCE 96-03-003PL
9 Application AM-96-02/RZ-96-01])
10
11

12 The Board of Commissioners for the County of Coos ordains as
13 follows:
14
15

16 SECTION 1. TITLE

17
18 This Ordinance shall be known as "Coos County Ordinance
19 96-03-003PL."
20
21

22 SECTION 2. AUTHORITY

23
24 This Ordinance is enacted pursuant to the provisions of
25 ORS 203.035 and ORS Chapter 215.
26
27

28 SECTION 3. PURPOSE

29
30 The purpose of this Ordinance is to amend Volume I of the
31 acknowledged Coos County Comprehensive Plan. This Ordinance
32 therefore amends Coos County Ordinance 82-12-022L, and
33 amendments thereto, which adopt Volume I of the Coos County
34 Comprehensive Plan.
35

36 These amendments are necessary to:
37

- 38 a. Permit development of a destination resort substantially
39 consistent with the statutory definition of an ORS
40 Chapter 197 full-scale destination resort on the Coos
41 County Coast where statutory resorts are not practicable
42 because of the proximity of high-value crop areas in the
43 form of cranberry farms.
44
45 b. Adopt a reasons exception to applicable Statewide Planning
46 Goals and incorporate the exceptions, the reasons
47 therefore, and measures demonstrating compliance with the
48 standards for such exceptions into the Coos County
49 Comprehensive Plan.
50

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ORDINANCE 96-03-003PL

Page 1

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:

<u>"Plan Designation</u>	<u>Implementing Zone</u>	
"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
" * * * * "		

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ORDINANCE 96-03-003PL

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Page 2

WATER RESOURCES DEPT.
SALEM, OREGON

1 2. CCCP Volume I, Part 1, Table 1, Approved Land Use
2 Designations for Coos County Comprehensive Plan Map, is
3 amended to add the following:

4
5 "11. BANDON DUNES RESORT AREA

6
7 "This designation is applied to a 1,215-acre area
8 located north of the City of Bandon for which an
9 exception to applicable statewide planning goals to
10 permit a destination resort has been adopted as an
11 amendment to this comprehensive plan."

12
13 3. CCCP Volume I, Part 1, Section 5.4, Forest Lands, Plan
14 Implementation Strategies, Strategy No. 5, is amended as
15 follows:

16
17 "5. RESERVED Coos County may authorize the
18 conversion of lands inventoried and designated
19 as Forest to nonforest use upon approval of an
20 exception to the statewide Forest Lands Goal."

21
22 4. CCCP Volume I, Part 2, Section 3.8, Dunes and Non-Estuarine
23 Coastal Shorelands, Coastal Lakes shorelands boundary
24 delineation, is amended as follows:

25
26 "In any case, the band varies from place to place, and it
27 would require extensive field survey to determine its
28 precise width. For this reason, a uniform shoreland
29 boundary extending horizontally 100 feet from the ordinary
30 high water mark (unless floodplains or wetlands extend
31 further) is proposed for coastal lakes outside the main
32 coastal shorelands area. It is considered that 100 feet is
33 sufficient in all situations to protect riparian vegetation
34 except that, as shown on Exhibit A, at two
35 locations on the shore of Round Lake and one
36 location on the shore of Fahys Lake, within the
37 Bandon Coastal Dunelands Destination Resort
38 Exception Area, for purposes of implementation of
39 the destination resort as set out in the Bandon
40 Coastal Dunelands Destination Resort Master Plan
41 adopted as an element of this comprehensive plan,
42 50 feet has been determined to be sufficient. This
43 takes into account that while riparian species do not
44 generally extend ~~that far~~ 100 feet from a coastal lake
45 unless a wetland exists, sometimes adjacent steep slopes,
46 if developed, might become unstable and cause erosion or
47 otherwise adversely affect riparian vegetation. The
48 100-foot boundary is intended as a site review area, within
49 which development proposals would be examined to determine
50 their effect on resources and minimize such effects. It
51 is not implied that any development within this area would
52 have an adverse impact on riparian resources."

- 1
2 5. CCCP Volume I, Part 3, Statewide Goal Exceptions, is
3 amended to add the Bandon Coastal Dunelands Conservation,
4 Recreation and Resort Development Master Plan (Exhibit B
5 hereto) and supporting Land Use Findings and Goal Exception
6 Statement for the Bandon Coastal Dunelands Exception Area
7 (Exhibit C hereto). Exhibits B and C are incorporated
8 herein and made part of the CCCP by this reference.
9

10
11 SECTION 5. COMPREHENSIVE PLAN MAP AMENDMENT
12

13 The 1215-acre subject property, referred to as the Bandon
14 Coastal Dunelands Exception Area, is shown on Exhibit D and is
15 described as follows:
16

17 T.27, R.14, S.32, Tax Lots 300, 400, 403, 600, 601, 602 and
18 603;
19

20 T.28, R.14, S.04, Tax Lots 1301 and 1500;
21

22 T.28, R.14, S.05, Tax Lots 100, 200, 300, 400, 500, 600,
23 700, 800, 900, 1000, 1100 and 1200;
24

25 T.28, R.14, S.08, Tax Lots 100, 200, 300, 500 and 601; and
26

27 T.28, R.14, S.08A, Tax Lot 500.
28

29 Coos County Ordinance 82-12-022L, and amendments thereto
30 adopting Volume I of the Coos County Comprehensive Plan, are
31 amended as necessary to change the official Plan Map designation
32 for the area described above and shown in Exhibit D from
33 "Forest (F)" to "Bandon Dunes Resort (BDR)." Exhibit D attached
34 hereto is adopted as the official plan map for said area.
35

36
37 SECTION 6. CONDITIONS
38

39 The amendments to the CCCP set out in Sections 4 and 5 of this
40 Ordinance are approved subject to the following conditions
41 subsequent:
42

- 43 1. Within 60 days after this Ordinance is finally adopted and
44 all appeals therefrom are concluded, the applicant shall
45 execute a Waiver of Right to Object to Forest and Farm
46 Practices Management Easement (Exhibit E hereto) with
47 respect to the area described in Section 5 of this
48 Ordinance, and shall deliver the executed easement to the
49 Coos County Planning Director for acceptance and recording.
50

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Page 4

ORDINANCE 96-03-003PL

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

1 ADOPTED this ____ day of _____, 1996.
2
3
4
5

6 _____
Commissioner
7
8
9

10 _____
Commissioner
11
12
13

14 _____
Commissioner
15

16 ATTEST:
17
18
19

20 _____
Recording Secretary
21
22

23 APPROVED AS TO FORM:
24
25
26

27 _____
Office of the County Counsel
28
29

30 SIGNED this _____ day of _____, 1996
31

32 1st Reading: _____
33

34 2nd Reading: _____
35

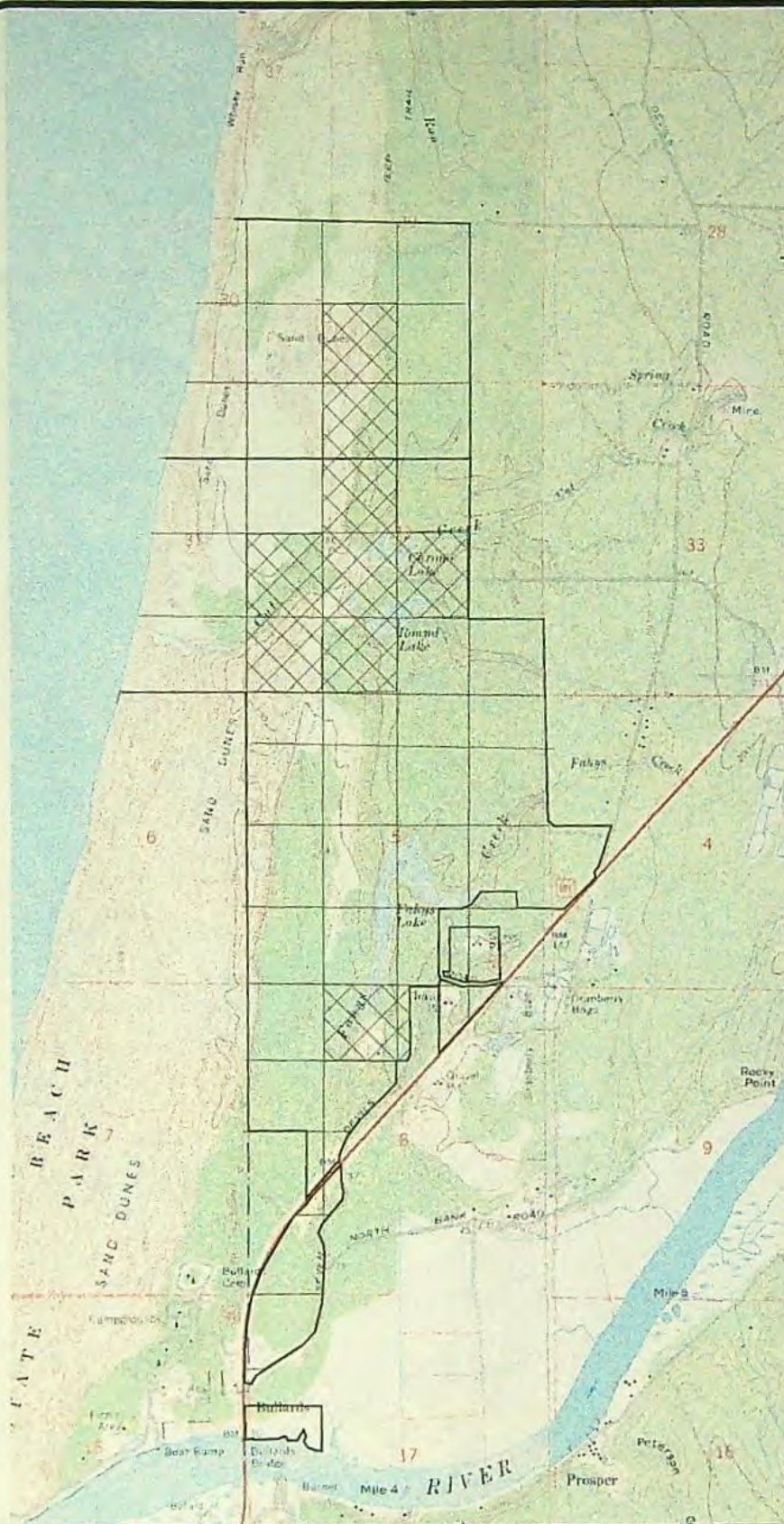
36 Emergency Adoption: _____
37

38 Effective Date: _____

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WATER RESOURCES DEPT.
SALEM, OREGON



Approximate
Property Boundaries

Quarter-Quarter
Section Lines



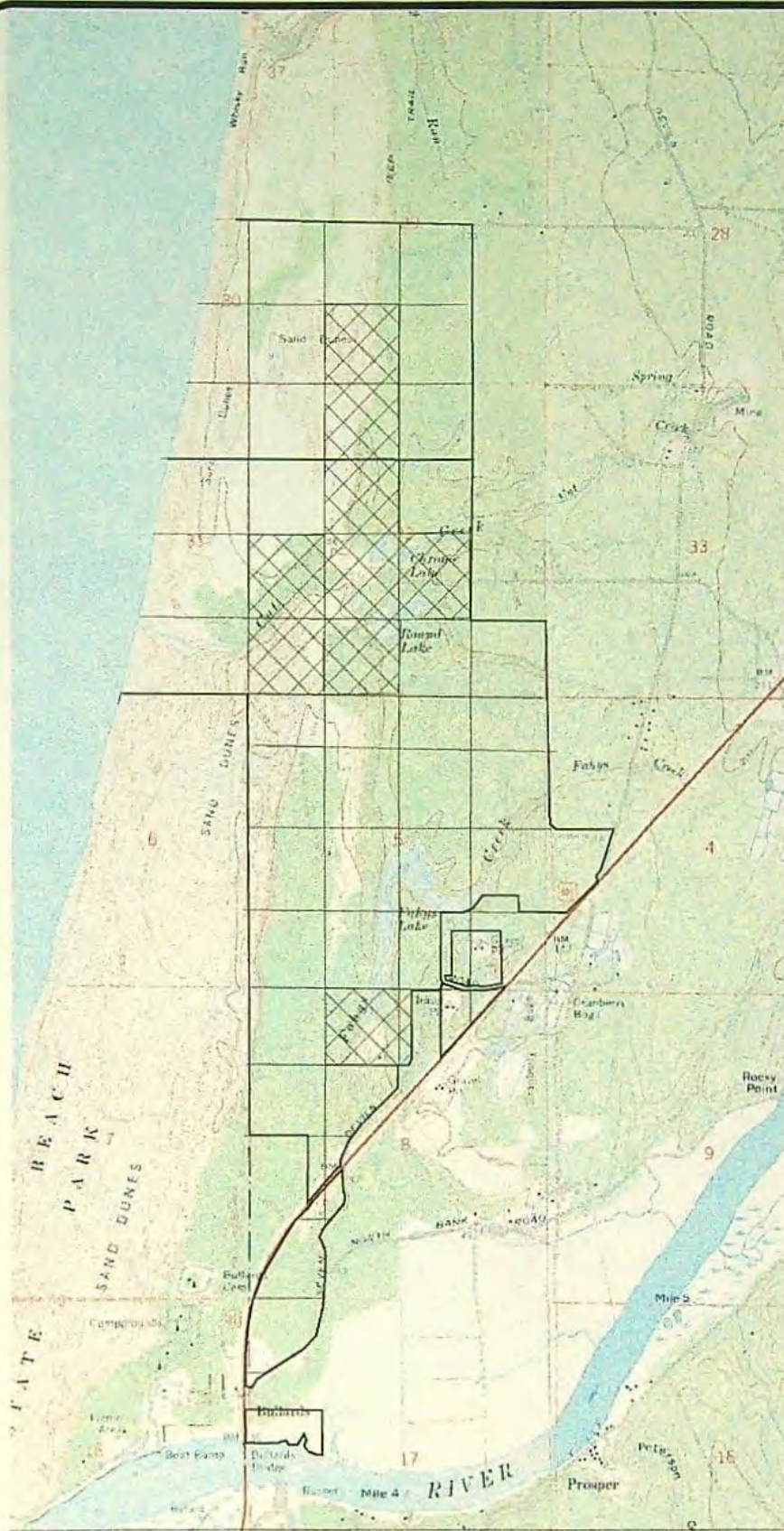
Quarter-Quarter
Sections
for Commercial Use

Scale: 1" = 3000'



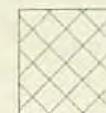
EGR & Associates, Inc.
Engineers, Geologists and Surveyors
2535 B. Prairie Road
Phone (541) 868-8322
FAX (541) 868-8087

Title Line 1
Title Line 2



Approximate
Property Boundaries

Quarter-Quarter
Section Lines



Quarter-Quarter
Sections
for Commercial Use

Scale: 1" = 3000'



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



EGR & Associates, Inc.
Engineers, Geologists, and Surveyors
2535 B Prairie Road
Eugene, Oregon 97402
(541) 688-8322

File
G-13577**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:

Laura Snedaker, Sr.
Water Rights Examiner

From:

Ralph Christensen

Phone

Fax Phone

503/378-8130

CC:

Phone

Fax Phone

(541) 688-8322(541) 688-8087**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	1/4
			SEC.	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, ArchitectDate: January 5, 1998To: Laura K. Snedaker, Senior Water Rights ExaminerFrom: Howard L. McKeeTotal 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.

FROM : MCKEE, CHICAGO, ILL

PHONE NO. : 312 281 1015

P02

✓ RPO-HDR : MCKEE, CHICAGO, ILL

003-0001

RRR0112011120121201 1015

/ NO. 3061079627 P. 6

OWNERSHIP/EASEMENT FORM

1. Do you own all property related to this application:

YES / NO

(select 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.)

(select 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 H. Kane

TITLE:

PROS

DATE:

12/11/97

SALEM RESOURCES DEPT
SALEM, OREGON

DEC 11 1997

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EGR & Associates, Inc.

Engineers, Geologists and Surveyors

2535B Prairie Road
Eugene, Oregon 97402
(541) 688-8322
Fax (541) 688-8087

December 10, 1997

Laura Snedaker
Oregon Water Resources Departement
Commerce Building
158 12th Street NE
Salem, Oregon 97310-0210

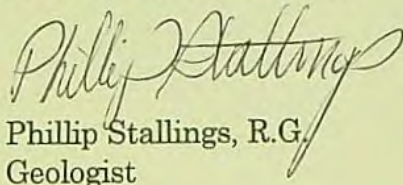
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DEC 11 1997
WATER RESOURCES DEPT.
SALEM, OREGON

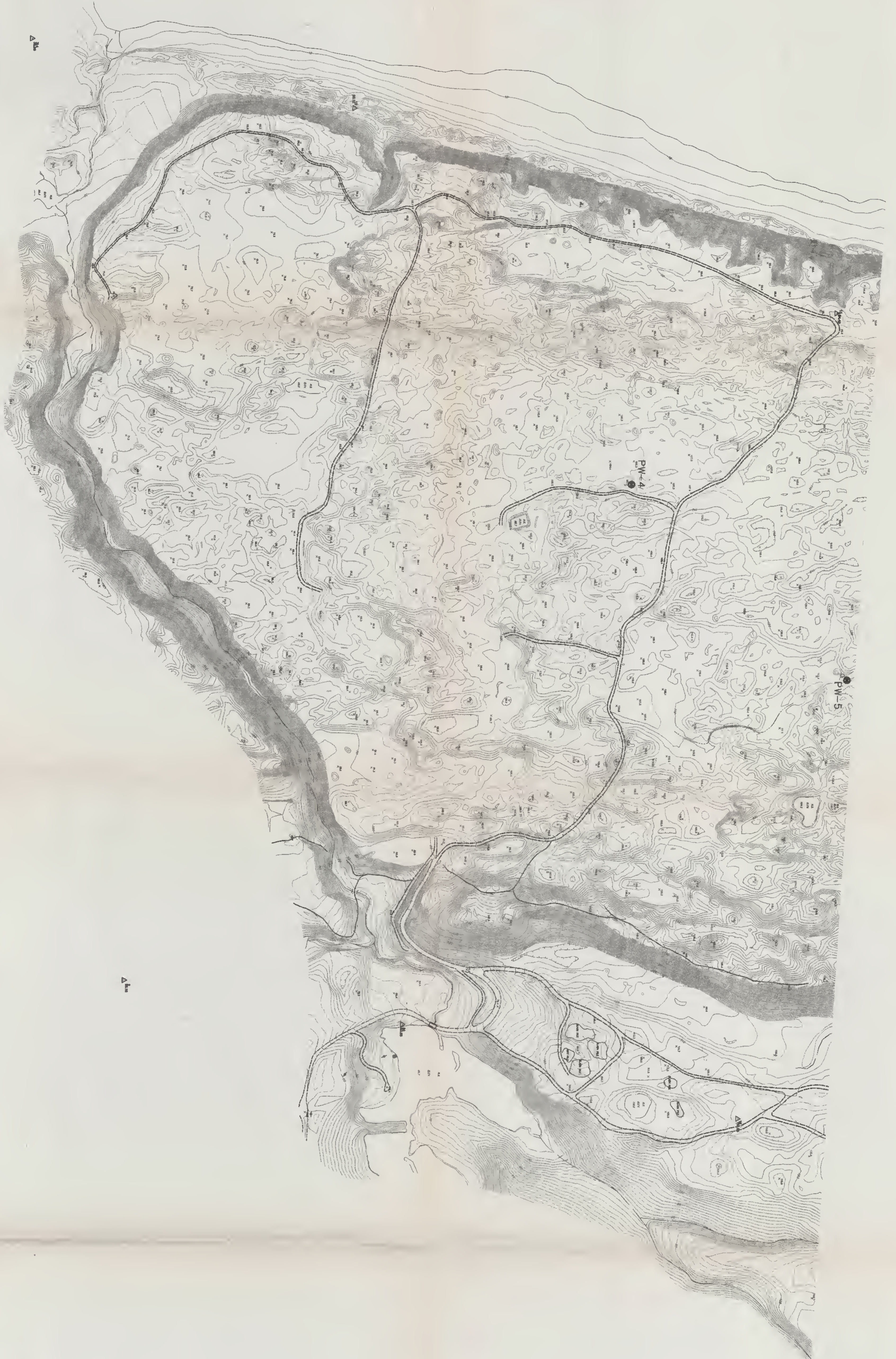
Dear Ms. Snedaker:

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.

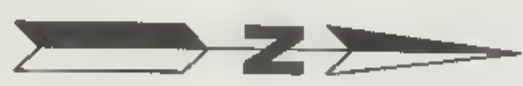
If you have any questions or need additional information in this regard, please call myself or Ralph Christensen at (541) 688-8322. Thank you.

Respectfully submitted,
EGR & Associates, Inc.


Phillip Stallings, R.G.
Geologist



200
0
SCALE 1" = 200'
100



1 OF 1

Sheet Number

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
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.

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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 $\approx$ 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

FROM RPG, INC.

FROM: McKEE, CHICAGO, ILL

FILED 12/11/97 1015

/ NO. 3061079627 P. 5

12/09/1997 17:46 698-808/

EGK

PAGE 04

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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.

W. McKee Res 12/11/97
Signature Title Date

Signature Title Date

Signature Title Date

Signature Title Date

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 lands you do not own?

YES / NO / NOT APPLICABLE (X 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. Carter TITLE: PPS DATE: 12/11/97

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DEC 11 1997

WATER RESOURCES DEPT
SALEM, OREGON

END OF DOCUMENT

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- 56270

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☒ COD

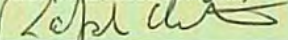
7. Date of Delivery

70 1-2-98

5. Received By: (Print Name)

Ralph Christensen

6. Signature: (Addressee or Agent)

X 

8. Addressee's Address (Only if requested and fee is paid)

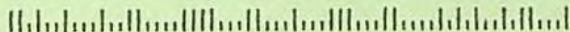
UNITED STATES POSTAL SERVICE



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:

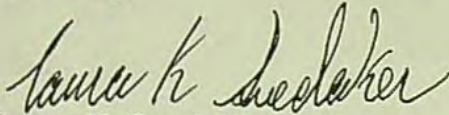
The Department received the requested revised application maps and additional application materials on December 11, 1997. Based upon review of the material submitted, the Department has determined that the following additional information is necessary:

- ▶ 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,

A handwritten signature in cursive script, reading "Laura K. Snedaker".

Laura K. Snedaker
Senior Water Rights Examiner

Enclosures: Ownership/Easement Form

cc: John Drolet, Watermaster District 19
Bandon Dunes Limited Partnership (Applicant)

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

4a. Article Number

956245

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)

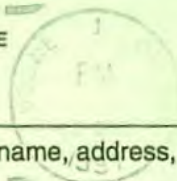
8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

X

Ralph Christensen

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

November 26, 1997

Ralph Christensen
EGR & Associates, Inc
2535 B Prairie Road
Eugene, Oregon 97401

RE: Application File # G-13577

9:24
Steve Recca - EGR
G-13577
Bancroft Dunes
* 541-688-8322
only have conceptual plan
ok as long as shows other map requirements

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 than 4 inches = 1 mile.

9:24

Steve Recca - EGR

6-13577

Barton Dunes

* 541-648 - 8322

only have final
concept plan
~~plan~~

ok 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.
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 - 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 than 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.

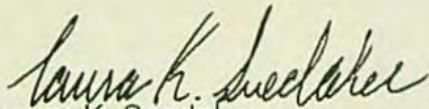
If all lands are not owned by the applicant, please include the names and complete mailing addresses of the affected land owners. Also identify whether the applicant has written authorization, easements, and/or permits allowing access to the affected lands not owned by the applicant.

- ▶ 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
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 Stallings - EGR
re Brandon 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. WM.
COOS COUNTY

27 14 32

THIS MAP WAS PREPARED FOR
ASSESSMENT PURPOSE ONLY.

CANCELLED
70001
70002
402

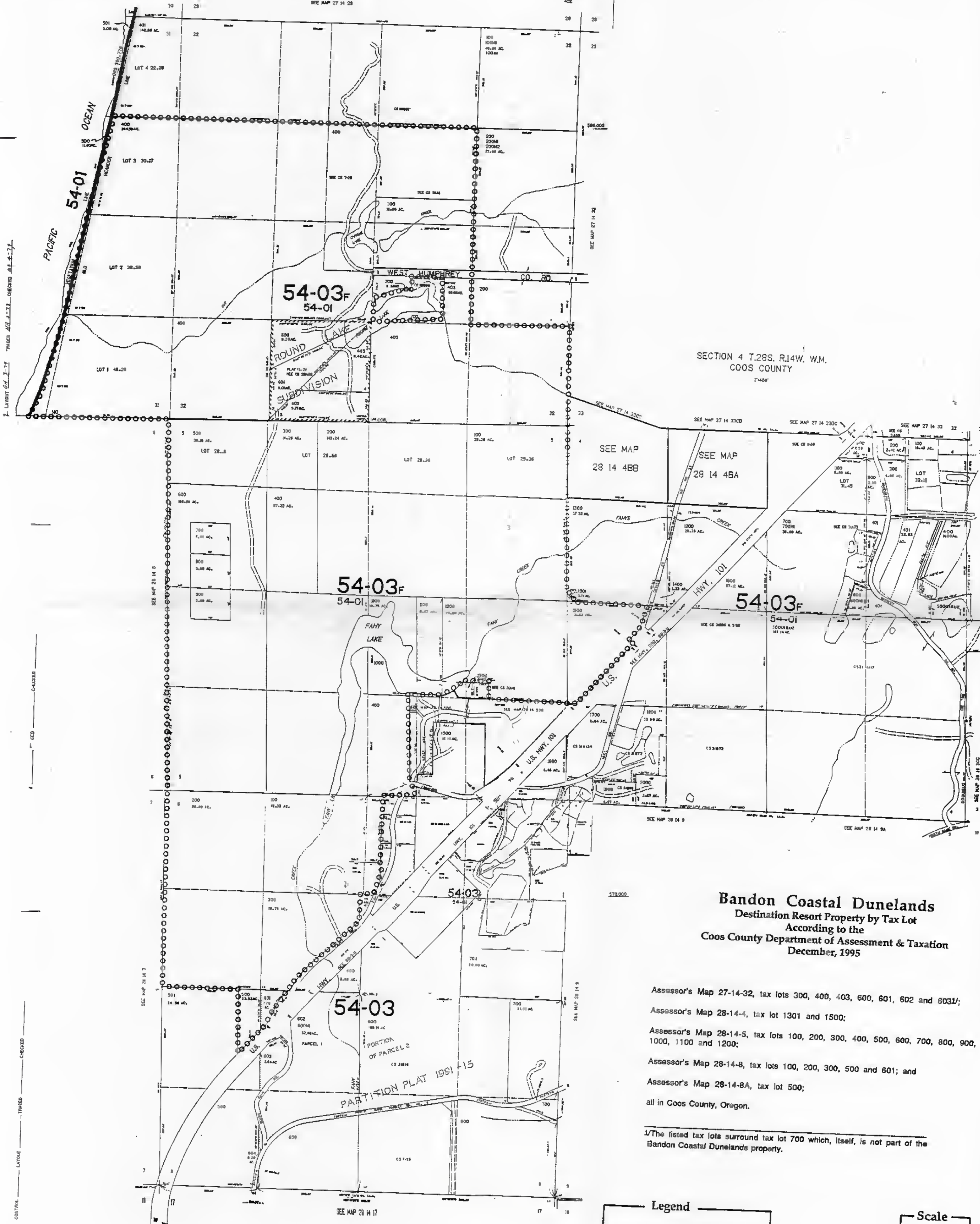
SEE MAP 27 14 28

SEE MAP 27 14 32

SECTION 4 T.28S. R.14W. WM.
COOS COUNTY

28 14 4
& INDEX

12" = 1" AC
10" = 1" AC
8" = 1" AC
6" = 1" AC
4" = 1" AC
2" = 1" AC



Bandon Coastal Dunelands
Destination Resort Property by Tax Lot
According to the
Coos County Department of Assessment & Taxation
December, 1995

- Assessor's Map 27-14-32, tax lots 300, 400, 403, 600, 601, 602 and 6031/;
 - Assessor's Map 28-14-4, tax lot 1301 and 1500;
 - Assessor's Map 28-14-5, tax lots 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100 and 1200;
 - Assessor's Map 28-14-8, tax lots 100, 200, 300, 500 and 601; and
 - Assessor's Map 28-14-8A, tax lot 500;
- all in Coos County, Oregon.

1/ The listed tax lots surround tax lot 700 which, itself, is not part of the Bandon Coastal Dunelands property.

Legend

oooooo Destination Resort Boundary

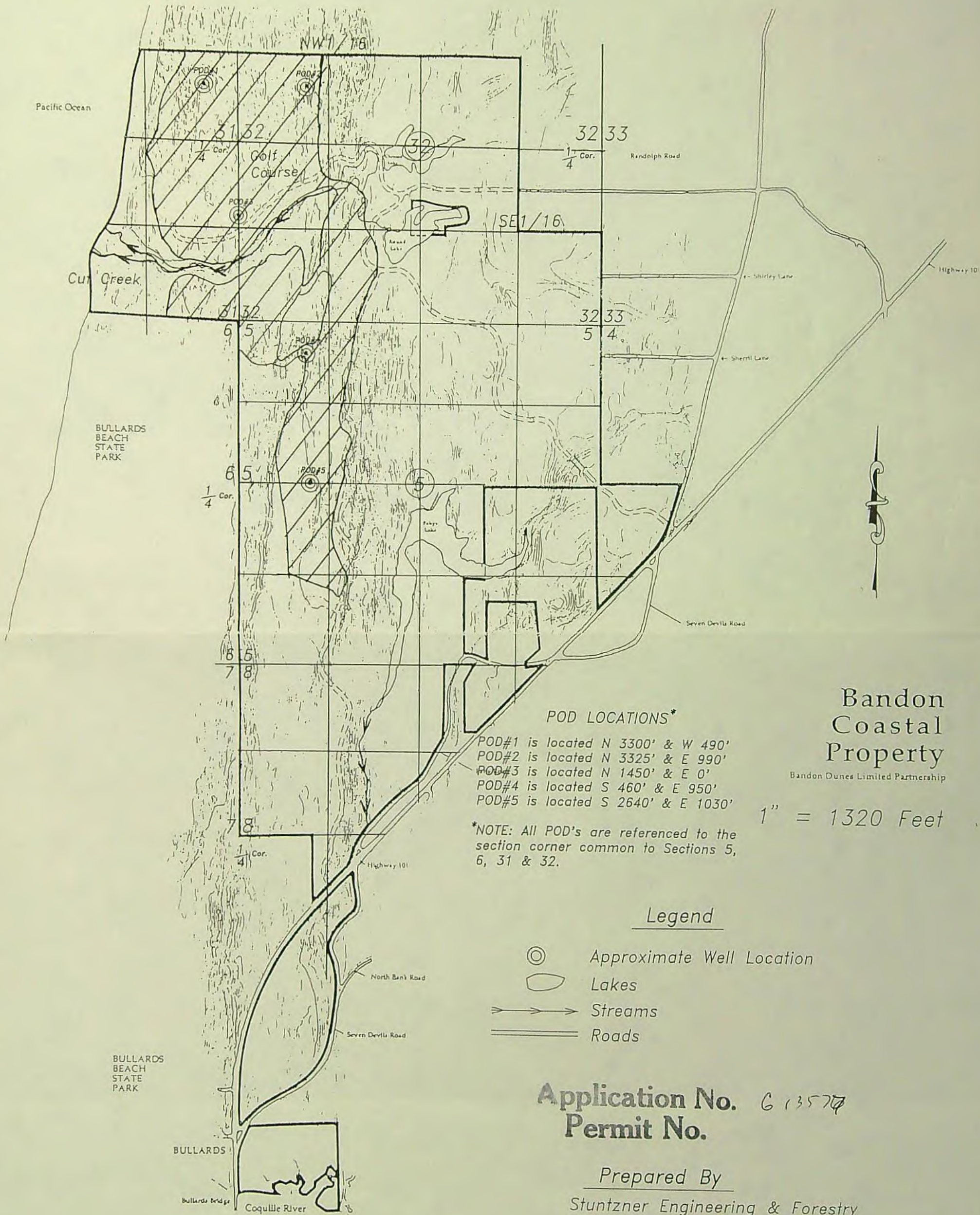
Scale

1" = 800'

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

Supervised



Bandon
Coastal
Property

Bandon Dunes Limited Partnership

1" = 1320 Feet

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.

RECEIVED

DEC 17 1993

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

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).

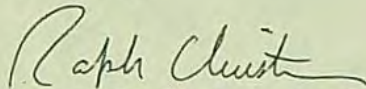
3. Meters on all water sources used on the site.
4. At least quarterly monitoring of conductivity in production wells will be used to monitor against salt water intrusion where drawdowns project below seas level.

Any other usual conditions established by the WRD for ground water permits will also be expected to appear on this permit.

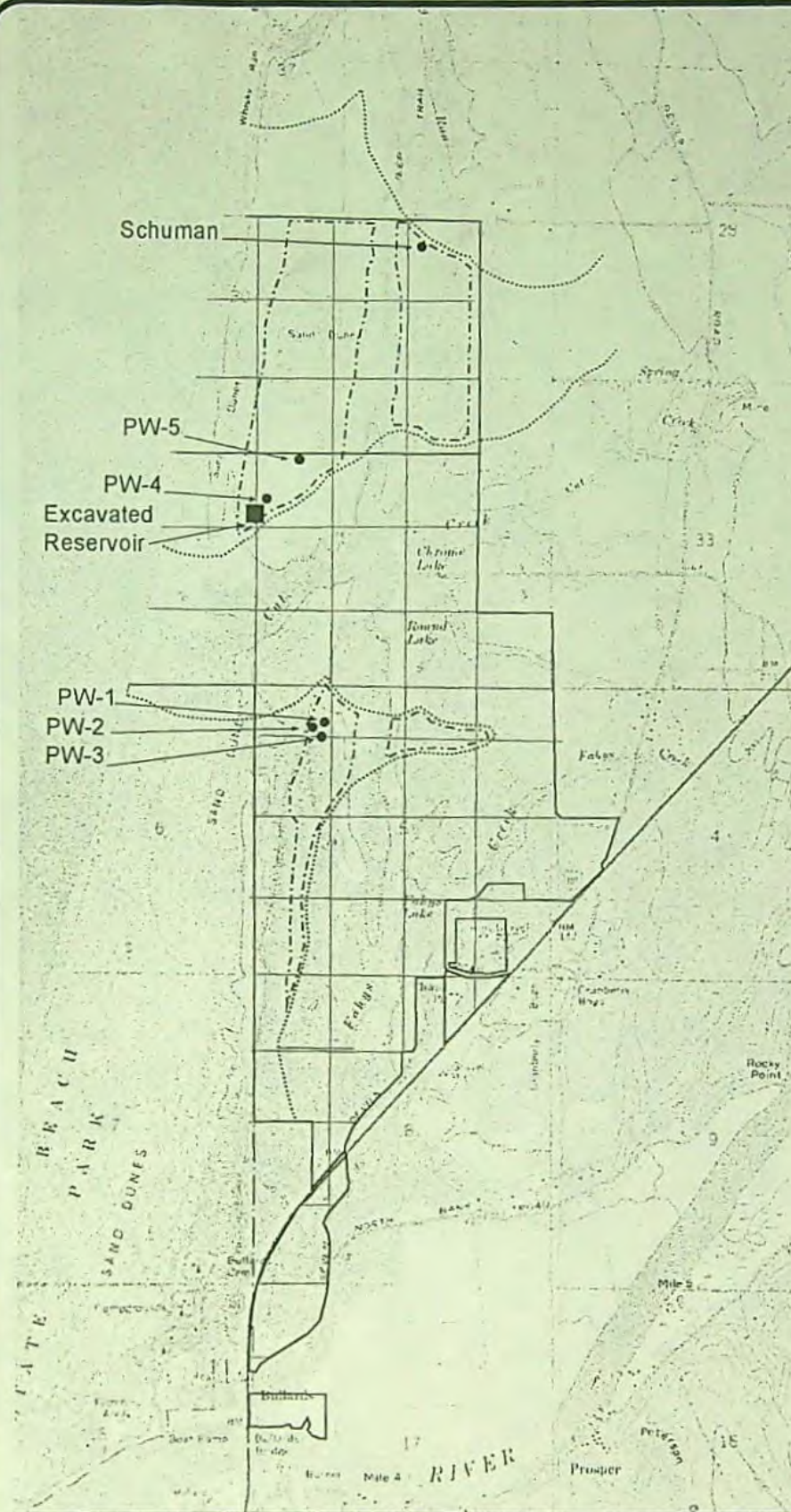
Included with this letter is also the map of the terrace area showing the locations of the new PW-4 and PW-5 wells. Other wells and piezometer locations are shown on maps previously submitted to the Department.

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



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

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.# 40847

27-14-31 NE-SE
(START CARD) # 93052

(1) OWNER:

Name EGR Well Number 498
Address 4445 X. 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 28' ft.
Explosives used ☐ Yes ☒ No Type _____ Amount TOE

HOLE

SEAL

Diameter	From	To	Material	From	To	Sacks or pounds
12 1/4"	0	127	Cement	30	74	145X
6"	127	243	Cement	130	243	175X

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 74 ft. to 128 ft. Size of gravel 6/9

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 8"	116'	96'	1280	☒	☐	☒	☐
	116'	128'	1280	☒	☐	☒	☐
	(Tail Pipe)			☐	☐	☐	☐
Liner:				☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method Attached to Casing
☒ Screens Type Horton 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

Yield gal/min	Drawdown	Drill stem at	Time
100	11' 8 1/2"	95'	1 hr
100	13' 2 1/2"	95'	2 hrs
100	15' 2 1/2"	95'	3 hrs
100	16' 4 1/2"	95'	4 hrs

Temperature of water _____ Depth Artesian Flow Found _____

Was a water analysis done? ☒ Yes By whom BWYS

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 W.M.
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 near Bandon

(10) STATIC WATER LEVEL:

67' 3 1/2" 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'	173'	+/- 16.4 GPM	67' 3 1/2"
173	185'	+/- 50	-
Specific Capacity 5.47 Gal/FT ² DD			

(12) WELL LOG:

Ground Elevation +/- 300'

Material	From	To	SWL
Sand Fine Brown	0	2	
Sand Fine Ben w/ interbed clay	2	13	10'
Sand Fine-med Brown	13	23	
Peat w/ Sand Fine-med Ben	23	30	
Sandy Clay Gray w/ Peat knots	30	34	
Sandy Blue Gray Fine-med	34	40	
Gravel Fine-med w/ sand	40	65	
Fine-med Blue Gray			
Sand MS-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 CAS-Fine w/ sand	96	116	67' 3 1/2"
med-Fine Gray			
Sand med-Fine Blue Gray	116	133	
Clay Gray w/ wood	133	142	
Continued on Pg 2			

Date started 5/22/97 Completed 7/17/97

(unofficial) 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 Bandon Well & Septic Corp WWC Number _____ 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.

Signed Gene Muck-L. MGL WWC Number 1493 Date 7/21/97

204206-04

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 back page of this form.

Pg 1

(1) OWNER:

Name Eyr Well Number 508
Address _____
City EUGENE State OR Zip 97401

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/reconstruction) ☐ 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 Date of Completion Well 8/2/97Explosives used ☐ Yes ☒ No Type _____

HOLE	From	To	Material	Depth	Sacks or pounds
	12 1/4'	0'	Bentonite	30	28 5/8
	6"	180'	Concrete	180	15x

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E☒ Other Bentonite Powdered on Surface

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

Gravel placed from 138 ft. to 180 ft. Shovel gravel 6/9

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 8"	+2	140'	250	☒	☐	☒	☐
8"	140'	180'	250	☒	☐	☒	☐
(Tail Pipe)				☐	☐	☐	☐
Liner:				☐	☐	☐	☐

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

☐ Perforations Method Attached to Casing☒ Screens Type Houston Material Stainless

From	To	Size	Number	Diameter	Screen	Casing	Other
146'	160'	20	1	8"	☒	☐	☐
					☐	☐	☐
					☐	☐	☐
					☐	☐	☐

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

☒ Pump	☐ Baller	☐ Air	☐ Flowing
Yield gal/min	Drawdown	Drill Stem	Time
170	80' 3"	140'	1 hr.
120	80' 11"	140'	2
170	21' 3 1/2"	140'	3
170	21' 7"	140'	4

Temperature of water _____ Depth Artesian Flow Found _____

Was a water analysis done? ☒ Yes By whom BIM + SDid 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 M.
Section 31 NE 1/4 SE 1/4
Tax Lot 400 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) End of Randolph Dist 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 +1-300'

Material	From	To	SWL
Fill	0	2	
Sand Fine Brown	2	6	
Coarse sand Brown	6	10	10
Sand Fine-Med Wl	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 CFS-Fine w/Gravel	55	73	
Fine-Med Brown			
Gravel Fine-Med w/sand	73	80	
CFS-Fine Grange Brown			
Gravel med-Fine w/sand	80	81	
Sand CFS-Fine Gray			

Date started 6/1/97 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.

Signed Bandon Well + Sptic Co Inc WWC Number _____

(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 James M. Moore WWC Number 1493 Date 7/25/97

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.

PW-2

(START CARD) # 71679

(1) OWNER:

Well Number 323

Name Michael Krieser
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"

Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE

SEAL

Diameter	From	To	Material	From	To	Sacks or pounds
10"	0	29	Bentonite	0	40	36.5x
9"	29	125	Cement	65	85	4 x

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

☒ Other Portland Cement Poured from surface

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

Gravel placed from 85 ft. to 125 ft. Size of gravel 10/20

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 5"	+1	1108" 190"		☒	☒	☐	☐
	1161"	1254" 150"		☒	☒	☐	☐
8"	+16"	9' 1250"		☒	☐	☐	☐
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"	1161"	10/16		5"	Pipe	☐	☐

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

☐ Pump	☐ Bailor	☒ Air	☐ Flowing
Yield gal/min	Drawdown	Drill stem at	Time
<u>41-50</u>		<u>125'</u>	<u>1 hr.</u>

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 or W
Section 5 NW 1/4 NW 1/4
Tax Lot 120600 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Randolph Rd
West well Brimson

(10) STATIC WATER LEVEL:

52' 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	5.0	57

(12) WELL LOG:

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	
Gravel			
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	52'
w/ Sand medium Gray & orange			
Sand w/ sandy clay	117	125	
medium Gray			

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 MacFarlane, M.G.C. Date 11/10/94

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

PW-3

(START CARD) # 21680

Well Number 324

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

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

(START CARD) # 1

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

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

PW-1

(START CARD) # 71678

Well Number 322

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



1320 0 1320 2640
SCALE 1" = 1320'

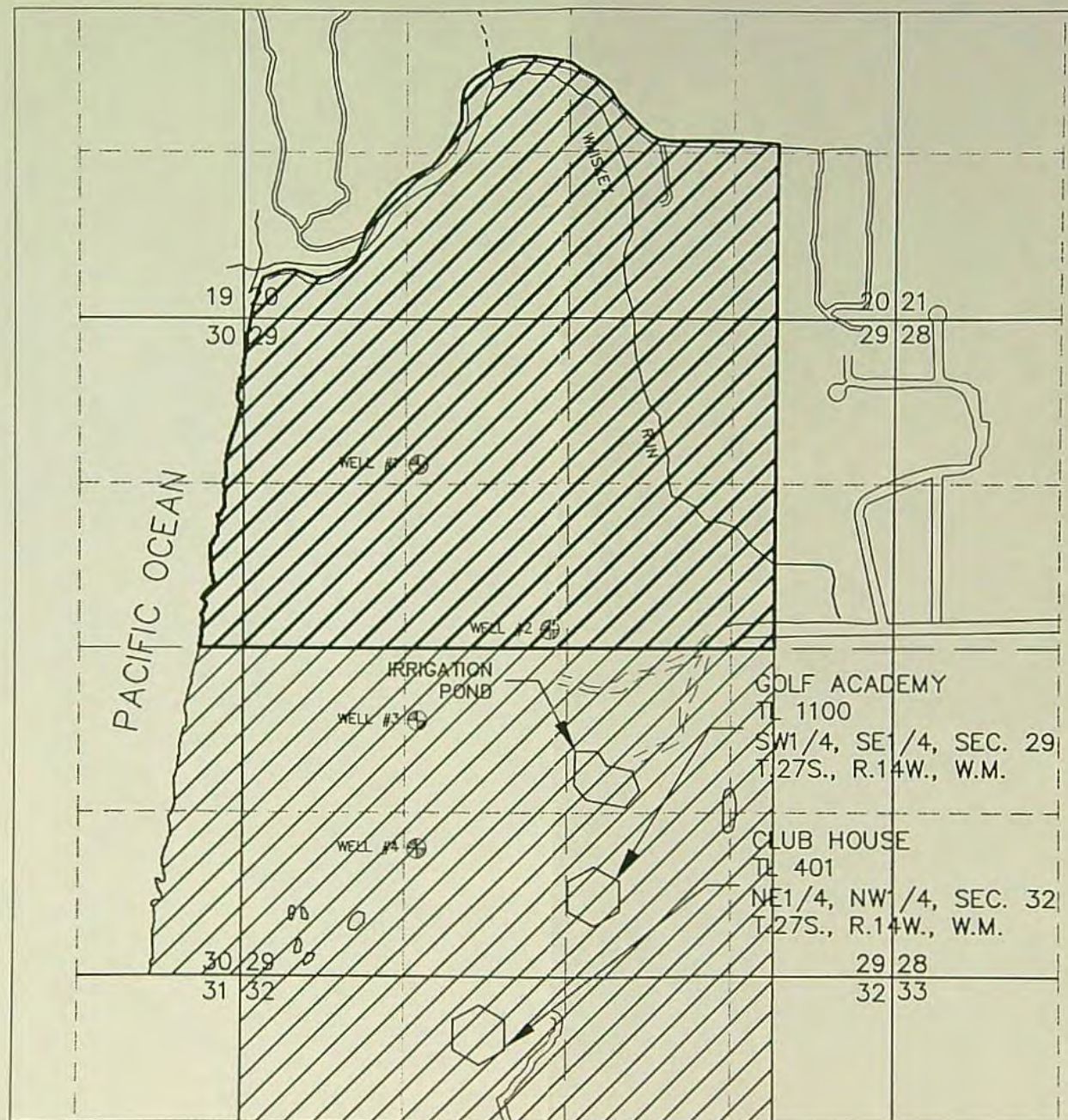
NEW PROPOSED AREA OF IRRIGATION					APPROXIMATE TOTAL ACRES	APPROXIMATE IRRIGATED ACRES
TOWNSHIP	RANGE	SECTION	0.25	0.25		
27	14	20	NE	SW	14.5	14.5
27	14	20	SE	SW	39.1	39.1
27	14	20	SW	SW	15.0	15.0
27	14	20	NW	SE	8.0	8.0
27	14	20	NE	SE	0.7	0.7
27	14	20	SE	SE	10.8	10.8
27	14	20	SW	SE	40.0	40.0
27	14	29	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 02 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.



EGR & Associates

Engineers, Geologists and Surveyors

9 Road
97402
8-8322
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 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 ~~where~~ 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

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The existing well identified 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.

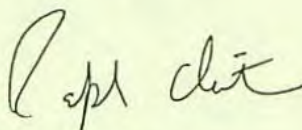
The total quantity of water now requested is hereby reduced to 3.55 cfs from the originally requested 5.88 cfs, allocated as follows:

- 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.

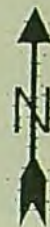
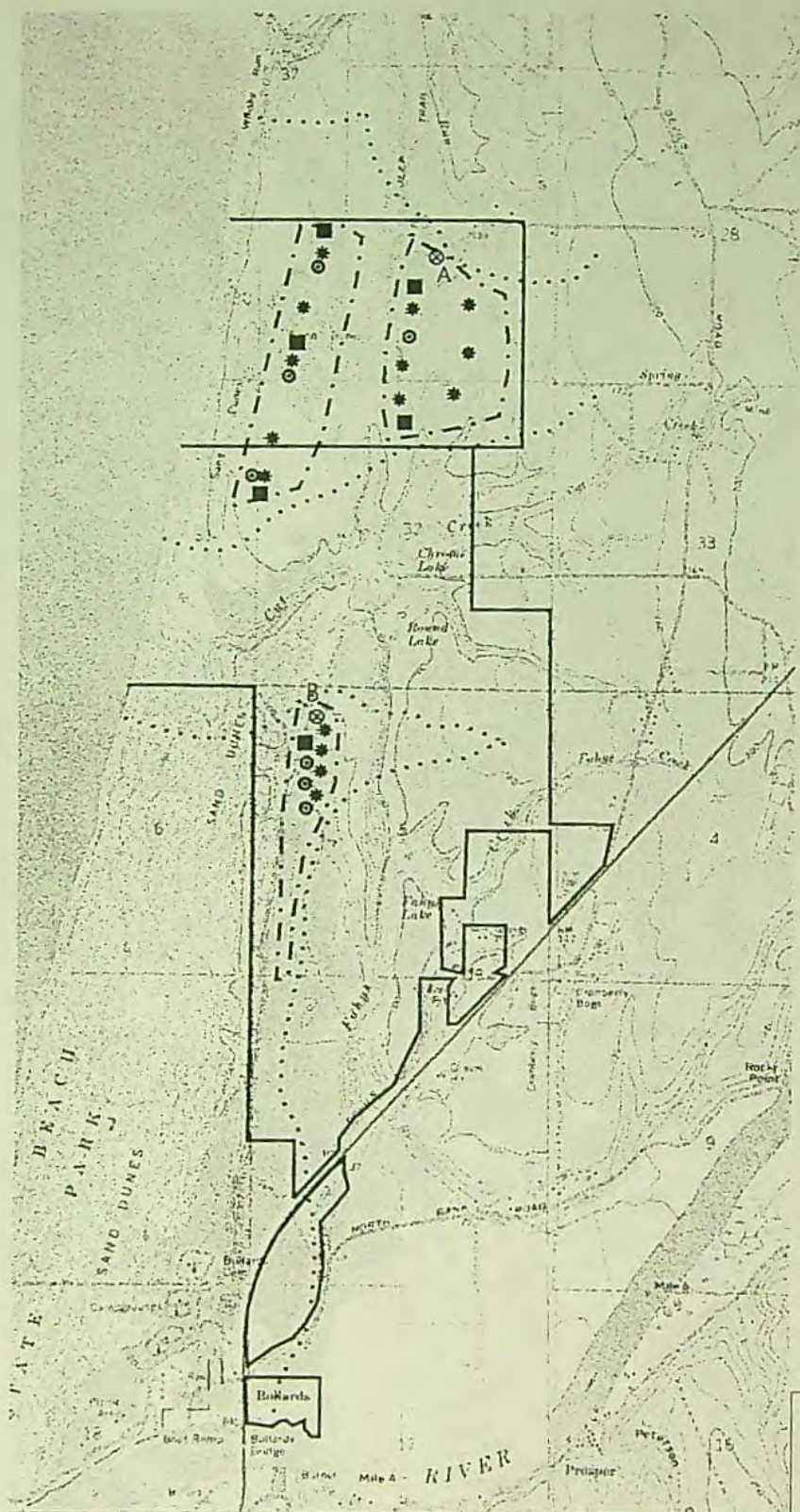
Thus a total of 3.55 cfs (1595 gpm) is requested for 500 acres or 1/140 of a cfs per acre. Actual irrigation application rates will approach 1/80th of a CFS per acre but will come from the storage reservoirs. Ground water pumping will be within the parameters of the permit but will be on a more continuous basis.

If I can provide any further clarification please let me know.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Raph Christ', written in a cursive style.

Ralph Christensen



1 inch = 3,000 feet

- ⊗ Existing Well
- Potential Location of Drilled Well
- * Potential Location of Sump Well
- Potential Location of Excavated Reservoir

— Approximate Property Lines

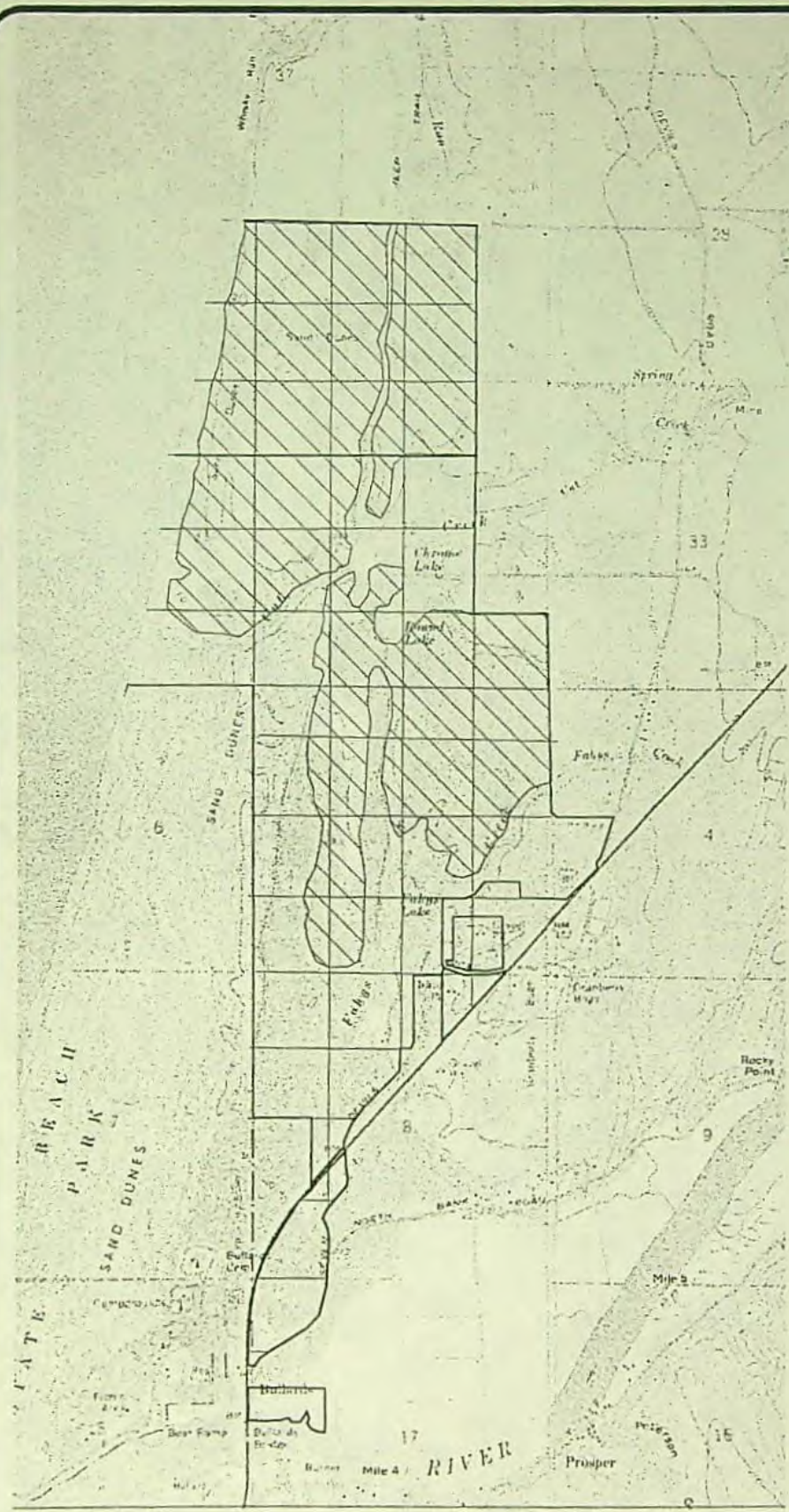
..... 1/4 Mile Line from Surface Water

- - - - - Alternative Well Placement Area



EGR & Associates, Inc.
Engineers, Geologists and Surveyors

2535 B Prairie Road,
Eugene, Oregon 97402
(503) 688-8322



Approximate
Property Boundaries

Quarter-Quarter
Section Lines

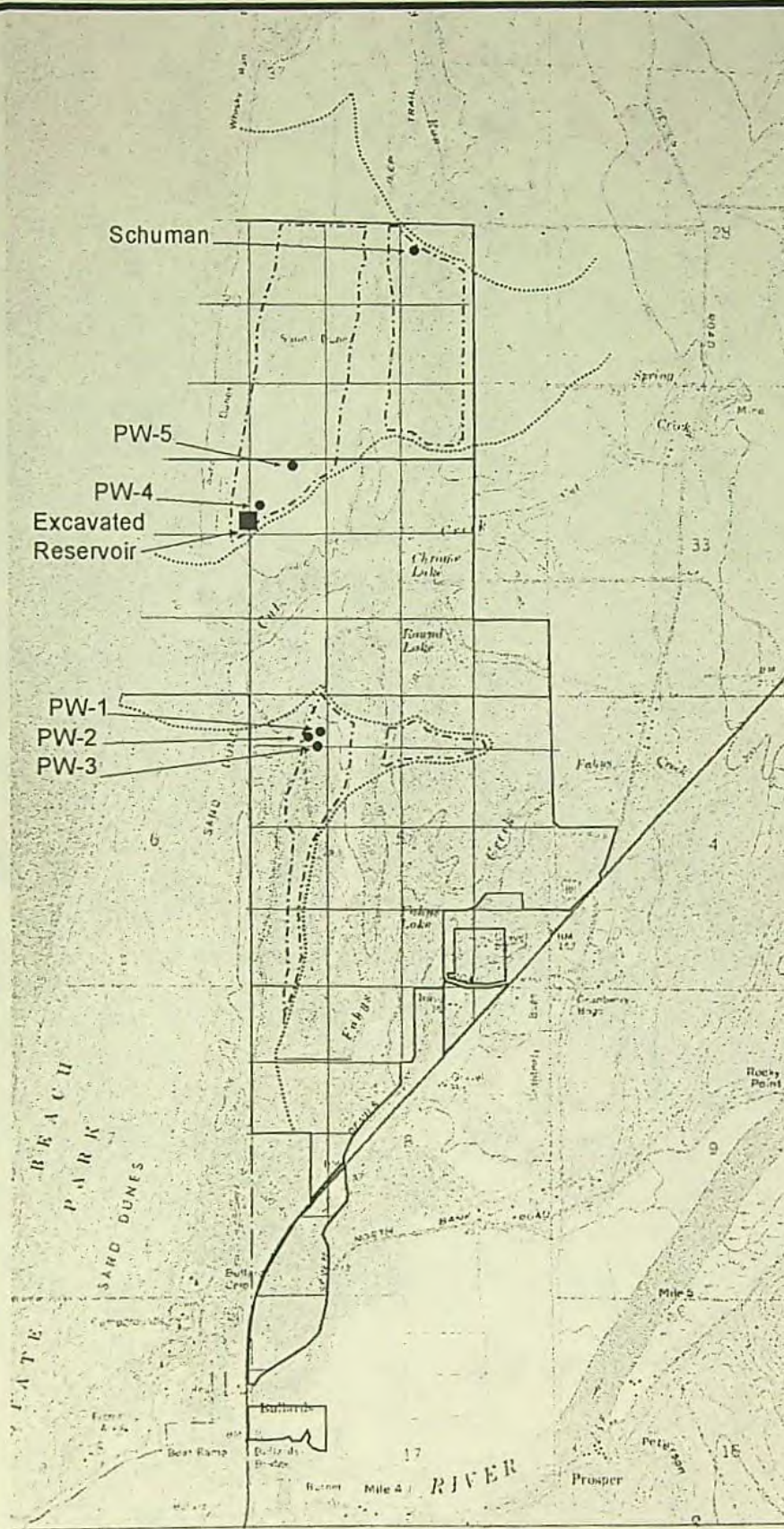
Irrigation Area
(to be proof surveyed)

Scale: 1" = 3000'



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



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



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'



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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



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

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	6-13577
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) _____

\$
\$
\$
\$

WATER RIGHTS:

842.001 SURFACE WATER

842.003 GROUND WATER

842.005 TRANSFER

WELL CONSTRUCTION

842.022 WELL DRILL CONSTRUCTOR

LANDOWNER'S PERMIT

OTHER (IDENTIFY) _____

EXAM FEE

\$

\$ 200.00

\$

EXAM FEE

\$

842.002

842.004

842.006

842.023

842.024

RECORD FEE

\$

\$ 935.00

\$

LICENSE FEE

\$

\$

06-00-0 WELL CONST START FEE

842.013 WELL CONST START FEE

MONITORING WELLS

\$

\$

CARD # _____

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: Selia G. Jensen

Application No. C-13577
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

WATER RESOURCES DEPT.
SALEM, OREGON

Oregon

WATER RESOURCES

DEPARTMENT

3850 Portland Rd NE

Salem OR 97310

B-13577

UNABLE
TO FORWARD

Can it
be found

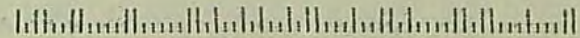
RECEIVED

JAN - 7 1994

WATER RESOURCES DEPT.
SALEM, OREGON

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

60614-4649 07



Oregon

WATER RESOURCES

DEPARTMENT

3850 Portland Rd NE

Salem OR 97310

Q-13577

UNABLE TO DELIVER
NO FORWARDING ORDER ON FILE

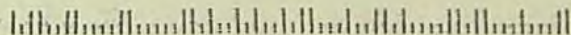
RECEIVED

JAN - 7 1994

WATER RESOURCES DEPT.
SALEM, OREGON

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

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	6-13577
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) _____

\$
\$
\$
\$

WATER RIGHTS:

842.001 SURFACE WATER

842.003 GROUND WATER

842.005 TRANSFER

WELL CONSTRUCTION

842.022 WELL DRILL CONSTRUCTOR

LANDOWNER'S PERMIT

OTHER (IDENTIFY) _____

EXAM FEE

\$

\$ 200.00

\$

EXAM FEE

\$

842.002

842.004

842.006

842.023

842.024

RECORD FEE

\$

\$ 935.00

\$

LICENSE FEE

\$

\$

06-00-0 WELL CONST START FEE

842.013 WELL CONST START FEE

MONITORING WELLS

\$

\$

CARD # _____

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 G. Jensen

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.



REFERENCE: File(s) - G-13577

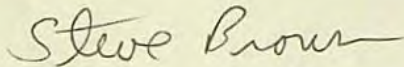
When the report on the technical review is completed and sent to you, a 60-day objection period begins during which you, the applicant, or anyone who has expressed an interest in your proposed water use may communicate to us their disagreement with what we have said in our report on your application. 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.

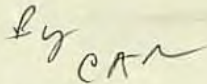
If your application is recommended for approval and a permit is issued, the use allowed by the permit will be subject to the Basin Program Rules of the Water Resources Commission, instream flow requirements, and the demands of prior right holders, and other conditions to conform the water use to particular 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
Manager
Water Rights Division



cc:CWRE

G 13 517

Basin: South Coast
Water Availability Subbasin: 8000000000000000 (and Nested Subbasins)

Date: 08/04/1994

Time: 07:45

[illegible]

DETAILED REPORT ON WATER AVAILABILITY

Basin: South Coast

Stream: ~~CUT CR~~ *Macklyn Cr* > PACIFIC OCEAN

Water Availability Subbasin: 800000000000000000

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: 800000000000000000

Time: 07:44

Date: 08/04/1994

Month	Apps.	Consumptive Permits	Use Certs.	Apps.	Storage 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

Date: 08/04/1994

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

[illegible]

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


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Basin:  South Coast
Stream:  CUT CR                                     > PACIFIC OCEAN
Water Availability Subbasin:  790000000000000000
Time:    09:26                                     Date:  09/02/1994

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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

Oregon Water Resources Department
October 1999 through September 2000
Annual Water Use - Monthly Quantities Form



Facility	BANDON DUNES NO METER	POD #4 ID L 25195 METER	Well No 1 ID L 10847	Well No 2 ID NO L 10848	Well No 3 ID L 186201
POD-ID 47809	47809 01/12/01 CM	47813 IR	47812 CM/DO/IR 01	478130 CM/DO/IR 01	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 transfer

* 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 M. HOURS. If use is irrigation, total number acres irrigated 120

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

CM = 4R 1R = Mar - Oct
DO = 4R 01 = Nov - Feb

Warren D. Felton
Signature

UTILITIES & MAIN MAINT
Title

BANDON DUNES
Reporting Entity

12/29/00
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