

Application for a Permit to Use Ground Water

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. A summary of review criteria and procedures that are generally applicable to these applications is available at www.wrd.state.or.us/OWRD/PUBS/forms.shtml.

1. APPLICANT INFORMATION

Applicant:		
First		Last
Mailing Address:		
City	State	Zip
Phone:		
Home	Work	Other
*Fax:	*Email Address:	
B. Organizations		
_	nerships, joint stock companies, coopera	atives, public and municipal corporation
Corporations, associations, firms, part	nerships, joint stock companies, coopera Dunes Limited Partnership	
Corporations, associations, firms, part Name of Organization: Bandon		р
Corporations, associations, firms, part Name of Organization: Bandon Name and Title of Person Applying	Dunes Limited Partnership	р
Corporations, associations, firms, part Name of Organization: Bandon Name and Title of Person Applying Mailing Address or Organization:	Dunes Limited Partnership	р
Corporations, associations, firms, part Name of Organization: Bandon Name and Title of Person Applying Mailing Address or Organization:	Dunes Limited Partnerships: c/o Donald J. Stastny, Ov 2130 Lincoln Park North	wner's Rep.
Corporations, associations, firms, part Name of Organization: Bandon Name and Title of Person Applying Mailing Address or Organization:	Dunes Limited Partnership c/o Donald J. Stastny, Ov 2130 Lincoln Park North IL	wner's Rep. 60614
Corporations, associations, firms, part Name of Organization: Bandon Name and Title of Person Applying Mailing Address or Organization: Chicago	Dunes Limited Partnership c/o Donald J. Stastny, Ov 2130 Lincoln Park North IL	wner's Rep. 60614
Corporations, associations, firms, part Name of Organization: Bandon Name and Title of Person Applying Mailing Address or Organization: Chicago City Phone: 503-222-5533	Dunes Limited Partnership s: c/o Donald J. Stastny, Over 2130 Lincoln Park North IL State	wner's Rep. 60614



Last Updated: 10/01/2008

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2. PROPERTY OWNERSHIP

(• Yes (Please check	t appropriate box below t	hen skip to section 3 'Ground	Water Developmei	nt')
➤ There are no	encumbrances			
This land is (please prov	encumbered by easement vide a copy of the recorde	ts, rights of way, roads or other d deed(s))	r encumbrances	
No (Please check	the appropriate box below	w)		RECEIVED
☐ I have a rec	orded easement or writter	authorization permitting acce	ess.	
I do not cur	rently have written author	rization or easement permitting	g access.	NOV 1 2 2008
lands I do n		is not necessary, because the observable lands, and this appl RS 274.040).	only affected lication is for	WATER RESOURCES DEPT SALEM, OREGON
	e proposed ditch, canal or	te property from which the war other work, and (3) any prope		
List the names and ma	iling addresses of all affec	cted landowners.		
	3. GROUNI	D WATER DEVELOPMEN	T	
A. Well Information				
Number of well(s): 5				
· · · · · · · · · · · · · · · · · · ·	ce water body: Whiskey	y Run Cr. / _{Fahy's Lake}	for Well 5	
	to nearest stream or lake:	I dily 3 Lake	i ioi vveji o	
1) 1,400 feet	2) 1,860 ft.	3) 2,150 ft.	4) 2,300 ft	t. 5) 1,500 ft.
If distance from surfact well head:	e water is less than one m	nile, indicate elevation differen	ice between neares	st surface water and
1) <u>40 ft</u> .	2) 80 ft.	3) 45 ft.	4) 35	ft. <u>5) 15 ft.</u>
thewell is already constru well withthis application.	d according to standards sei ucted, please enclose a copy Identify each well with a ni	t by the Department for the constr of the well constructor's log and umber corresponding to the wells ucted, or if you do not have a well	the well ID number, designated on the n	, if available, for each nap and proceed to
Well(s) will be constru	acted by:			
Bandon Well & Pun	np			
Mailing Address: 47:	530 Hwy 101			
Bandon	<u> </u>	OR	97411	
City		State		Zip

Comp	oletion Da	ate:			_				
Please	e provide	a description o	f your well	developm	nent. (Atta	ch additio	nal sheets	if needed.)	
Well No.	Diameter	Type and size of casing	No. of feet of casing	Intervals casing is perforated (in feet)	Soul depth	Est. depth to water	Est. depth to water bearing stratum	Type of access port or measuring device	Total well depth
OM-l		See At	tached Ta	+ • • •	r Well Co	nstructi			
OM-2									
OM-3			_		_			_	_
							_		
OM-4									
ОМ-5			_						
lata: W	(all mounts are	in this listing must c		all la sations(s)	\				
Jot A	Applicab	le							
				4. WA	TER US	E			
nd hov	w to identi	nstruction bookle fy the water sour on for that type o	ce you prop	•				•	•
. Тур	e(s) of U	se(s)							
		icial uses provi	ided in the	instruction	ıs.				
_		oposed use is do	-		number				
		oposed use is in		-	ch Form I	_ (Forr	m I Attac	hed)	
	-	oposed use is n	-			,		·	
• I	f your pr	oposed use is n	nunicipal (or quasi-m	nunicipal,	attach Fo	rm M	1	RECEIVE
•]	f your pr	oposed use is c	ommercia	l/industris	al, attach I	Form Q			NOV 1 2 200
									MANTER

B. Amount of Water

Provide the production rate in gallons per minute (gpm) and the total annual amount of water you need from each well, from each source or aquifer, for each use. You do not need to provide source information if you are submitting a well log with your application.

Well No.	Source or aquifer	Type of use	Total rate of water requested (in gpm)	Total annual quantity (in gallons)	Production rate of well (in gpm)
		See Attached Table	e 2		
		<u> </u>			
	n Rate of Use Reques				
	naximum, instantaneo our application will be l	us rate of water that will based on this amount.)	1 be used? $\frac{575 g}{}$	gpm	
D. Period of		,			
		ose to use the water: M	arch 1 - Octo	ber 31	
For seasonal u	ses like irrigation give o	lates when water use woul	d begin and end, e.	g. March 1-Octo	ber 31.)
E. Acreage					
f you will be	e applying water to lar	nd, indicate the total	6 65 Acres		
number of ac	ies where water will t	— applied of used.			
This number s	should be consistent with	• • • • • • • • • • • • • • • • • • • •			
Diversion		5. WATER MANAC	SEMENT .		
. Diversion					
	-	water from the source?			
N Pump	give horsepower and	d pump type):Pumps v	vill be sized for	or proposed	production rate.
other	means (describe):				
3. Transport	t				
_	ou transport water to y	our place of use?			
How will yo					
•	itch or canal (give ave	rage width and depth):			
•	itch or canal (give ave				
□ D		Depth			RECEIVED
Width Is the ditch	or canal to be lined?	Depth No			RECEIVED NOV 1 2 2008

🗵 other, describe: See attached description of water delivery system.

C. Application/Distribution Method

What equipment will you use to apply water to your place of use?

pertains to this application	lon Dunes Resort irrigation water appropriation n, is included in the attached memorandum "Proald Course Irritation Wells."	-
frrigation or land application	on method (check all that apply):	
☐ Flood ☐ Drip	⊠ High pressure sprinkler □ Water Cannons	☐ Low pressure sprinkler☐ Center pivot system
☐ Hand Lines ☐ Siphon tubes or gate	☐ Wheel Lines d pipe with furrows	
other, describe:		
Distribution method		
Direct pipe from so	ource In-line storage (tank or pond)	Open Canal
E. Conservation		
Have you considered other	se to conserve water? Why did you choose this deep methods to transport, apply, distribute or use we than drip irrigation, explain. If you need addition	ater? For example, if you are using
compliance with permit requ	tered at each wellhead and within the distribution pipi uirements. The sprinkler system will be sized and in- manner possible. Most irrigation will take place at nig	stalled in a manner that distributes the
	6. PROJECT SCHEDULE	
Indicate the anticipated da begun, or is completed,ple	tes that the following construction tasks should be ase indicate that date.	egin. If construction has already
Proposed date construction	on will begin: December 1, 2008	RECEIVED
Proposed date construction	on will be completed: December 1, 2013	NOV 1 2 2008
	water use will begin: March 1, 2009	WATER RESOURCES DEPT SALEM, OREGON
	7. REMARKS	
	any information you have provided in the application question you are addressing.	ation, please do so here and
 Stream Depletion Ca Proposed Operations The attached propert 	hed memoranda and application map for additional culations, Bandon Dunes Well L91182, Old and Monitoring - Old McDonald Course Irrivy legal description is for the entire Bandon Derty affected by this application. The lands dhip.	McDonald Course itation Wells. Ounes Resort area, which includes

8. MAP REQUIREMENTS

The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter/quarter section of the proposed well location and place of use. The map must provide tax lot numbers. See the map guidelines sheet for detailed map specifications.

9. SIGNATURE

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water right holders to get water to which they are entitled.

I swear that all information provided in this application is true and correct to the best of my knowledge:

Signature of Applicant (If more than one applicant, all must sign.)

71-05-08

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 a Land Use Information Form or receipt stub signed by a local official.
- Included the legal description of all the property involved with this application. You may supply a copy of the deed, land sales contract, or title insurance policy, to meet this requirement.
- Included a check payable to the Oregon Water Resources Department for the appropriate amount. The Department's fee schedule can be found at www.wrd.state.or.us or call (503) 986-0900.

WRD on the web:

www.wrd.state.or.us

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Golder Associates Inc.

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



TRANSMITTAL LETTER

TO:	Oregon Water Resources Department Department 725 725 Summer Street NE, Suite A Salem, OR 97301			DATE : February 6, 2009 PROJECT NO .: 033-1642-002.001				
	Atte	ntion: M	r. Doug Woodcock					
SENT	VIA:				RECEIVED			
	X	Federal	Express (Airbill 7963 2	2339 2129)	FEB 09 2009			
		U.S. M	ail		WATER RESOURCES DEPT			
		Courie	r		SALEM, OREGON			
		Hand D	Delivery					
		Other:						
7.544.7								
1			Document		requested changes to November 10, permit application submitted by the			
					imited Partnership.			
REM.		S:						
Hi Do	_	C 1	1 1 41	. 1 1	.1			
we are withd	Enclosed please find our letter describing requested changes to the new water right application submitted by the Bandon Dunes Limited Partnership on November 10, 2008. Per your suggestion, we are requesting that the three wells on the northern end of the property (OM-1 through OM-3) be withdrawn from the application. We are also adding another deeper well (yet to be constructed) located near the south end of the property.							
	We trust this will provide you with the information required to continue with the processing of the application. If you, or your staff, have any questions, please do not hesitate to contact me.							
Thank	ks for	the help	on this project.					
Ron E	Blegen	l						
Per	Ro	W G.	Eff.					

Golder Associates Inc.

18300 NE Union Hill Road, Suite 200 Redmond, WA 98052 Telephone: (425) 883-0777 Fax: (425) 882-5498 Golder Associates

February 6, 2008

Our Ref.: 033-1642-002.001

Oregon Water Resources Department Department 725 725 Summer Street NE, Suite A Salem, Oregon 97301 RECEIVED

FEB 09 2009

WATER RESOURCES DEPT SALEM, OREGON

Attention: Mr. Douglas Woodcock

RE: REQUESTED CHANGES TO WATER RIGHT PERMIT APPLICATION BANDON DUNES LIMITED PARTNERSHIP, BANDON, OREGON

Dear Mr. Woodcock:

On November 10, 2008 Golder Associates Inc. (Golder), on behalf of the Bandon Dunes Limited Partnership (Bandon Dunes), submitted an Application for a Permit to Use Ground Water to the Oregon Water Resources Department (OWRD) to secure additional groundwater rights for their golf course resort property. The application requested up to 575 gallons per minute (gpm) to be pumped from five wells (designated OM-1 through OM-5) and applied to 206.65 acres located near the northern end of the Bandon Dunes property. The requested points of appropriation included three new shallow wells (OM-1, OM-2, and OM-3) located within the footprint of the planned Old McDonald golf course, one existing well (OM-4) located southeast of the Old McDonald course, and one well (OM-5) located near the southern end of the Bandon Dunes property. Well OM-4 is also known as the "Shuman Well." The well construction details for these existing or proposed wells are summarized in Table 1 of the application.

As part of the application package, Golder submitted a technical memorandum that describes the potential impact of groundwater pumping on surface water flow in nearby Whiskey Run Creek. Golder has been monitoring streamflow in this creek on behalf of the adjacent Bally Bandon Sheep Ranch as part of the requirements of water right permit G-15437. The ongoing monitoring has indicated that for much of the year, there is significantly greater streamflow in the creek than has been estimated by OWRD and secured for instream flow rights. Golder's analysis of the effects of pumping at the three nearby Old McDonald wells suggests there may be some impact on the stream, but not enough to threaten the minimum instream flow right granted by OWRD. However, as you stated during our December 16, 2008 conference call, OWRD has not completed their analysis of the five years of streamflow data required to be collected by Bally Bandon Sheep Ranch and will not be able to assess the impact of groundwater pumping and the new Bandon Dunes wells until that study is complete. You estimated that this could result in an application processing delay of at least 11 months. With this letter, and by your suggestion, Bandon Dunes is requesting that the three Old McDonald course wells (Well numbers OM-1, OM-2, and OM-3) be withdrawn from the permit application. Likewise, we request the withdrawal of the memorandum describing stream depletion calculations¹ from the November 10, 2008 application package. This document will be resubmitted to OWRD at a later date.

prepared for Bandon Dunes by Golder Associates Inc., October 15, 2008.

¹ Golder Associates Inc., 2008, Stream Depletion Calculations, Bandon Dunes Well L91182 - Old McDonald Course, Memorandum

Bandon Dunes is also requesting that one other well be included in the permit. This well, identified on the attached tables and updated application map as well OM-6, will be located near the southern end of the Bandon Dunes property and approximately 2,500 feet north of well OM-5 (OWRD Well No. L91210). The nearest surface water body to this location is Fahys Lake, which is 1,600 feet to the east and at a surface elevation approximately 10 feet above the OM-6 location. Well OM-6 will be constructed with a design similar to that of several other deep alluvial wells in this part of the property. The results of pumping tests at these other deep alluvial wells (Well Label ID Numbers L69436, L74686, and L91210)^{2,3,4} have indicated that a sustainable yield of 300 gpm to 400 gpm can be expected from well OM-6. Water pumped from this well will be delivered to the authorized place of use using the same system of irrigation supply pipelines and reservoirs that will be used to pump OM-5 groundwater to the requested authorized place of use (the Old McDonald course). This system is described within the November 10, 2008 application package.

The construction and testing of well OM-5 (L91210) was completed in December 2008. Preliminary data analysis indicates that this well is capable of producing a sustainable yield of groundwater in excess of 400 gallons per minute⁴. Therefore, we are further requesting that the total rate of water requested from this well be increased from 250 gpm to 400 gpm (see Table 2 [amended]). The OWRD Water Supply Well Report for L91210 is attached as part of this submittal.

Attached to this letter are amended versions of Tables 1 and 2, to be substituted for the two tables submitted with the November 10, 2008 application package. Also attached is an updated application map that displays the three requested points of appropriation (OM-4, OM-5, and OM-6).

No further changes to the authorized place of use are requested with this letter. The permit application was submitted concurrently with the application to amend groundwater right G-13498 with the intent that the two applications be processed and approved concurrently.

We hope this letter provides you with all the additional information you will require to process the requested changes to the Bandon Dunes application. If you need any further information, please contact Ron Blegen at 480-966-0153.

Sincerely,

GOLDER ASSOCIATES INC.

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WATER RESOURCES DEPT SALEM, OREGON

Ronald P. Blegen, R.G. Senior Project Hydrogeologist

Locald P. Blage

David Banton, R.G. Principal, Senior Hydrogeologist.

David Lan

RB/DB/rb

² Golder Associates Inc., 2005, Bandon Dunes-New Irrigation Well L74686-Pumping Test Analysis and Recommendations for Well Capacity, Prepared for Bandon Dunes Resort, September 26, 2005.

³ Golder Associates Inc., 2005, Bandon Dunes Resort Groundwater Supply Development, Drilling, Well Construction, and Aquifer Testing, 2003-2004, prepared for Bandon Dunes Resort, April 20, 2005.

⁴ Golder Associates Inc., 2009, Bandon Dunes Resort Irrigation Well L91210 Construction, Pumping Test Analysis, and Recommendations, February 2, 2009.

AMMENDED APPLICATION TABLES

Table 1 (Amended)Old McDonald Course Water Rights Permit, Well Construction Details

Table 2 (Amended) Amount of Water

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WATER RESOURCES DEPT SALEM, OREGON

Table 1 (AMENDED) Old McDonald Course Water Rights Permit **Well Construction Details**

Well No.	Diameter	Type and Size of Casing	Number of Feet of Casing	Intervals Casing is Perforated (feet bgs)	Seal Depth (feet bgs)	Est. Depth To Water (feet bgs)	Est. Depth to Water-Bearing Stratum (feet bgs)	Measuring	Total Depth of Well	
OM-4 (L91192) ("Shuman Well")	15 in boring 10 in. casing/screen	10-in. PVC casing 10-in. SS Screen	62	51.33 to 66.33	30	20	33	Device 0.5-inch port	78	Cont
OM-5 (L91210)	17.5 in boring 10 in. casing/screen	10-in. steel casing 10-in. SS Screen	239	187 to 199 206 to 216 256 to 268	178	53	95	0.5-inch port		2000 2000
OM-6 *	15 in boring 10 in. casing/screen	10-in. PVC casing 10-in. SS Screen	200	200 to 250	190	60	100	0.5-inch port	250	Not

Well Location Property Descriptions

(e)

(15)

Well No.	County	Tarrachia	T _ T			
014 4 (104400)		Township	Range	Section	Qtr Qtr.	Tax Lot
OM-4 (L91192)	coos	27 S	14 W	29	NW - SE	1200
OM-5 (L91210)	COOS	28 S	14.14/			
014.5		203	14 W	5	SW-SW	400
OM-6	coos	28 S	14 W	5	SW - NW	400

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^{*} Well has not been constructed. Construction details are estimates only.

Table 2 (AMENDED) Amount of Water

Well No.	Source or Aquifer	Type of Use	Total Rate of Water Requested (in gpm)	Total Annual Quantity† (in gallons)	Production Rate (in gpm)	Notes
OM-4 (L91192)			125		125	Log Attached to original application
OM-5 (L91210)	Aquifer	Irrigation	400	1.68E+08	400	Log Attached
OM-6*	<u></u>		300		300	Well has not been drilled/constructed

Note:

- * Well OM-6 has not been drilled or constructed.
 - The total annual quantity of water requested is calculated based on the total number of acres to be irrigated under this permit
- † (206.65), a duty of 2.5 acre-feet per season, and a 245 day season (March 1 October 31).

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UPDATED APPLICATION MAP

Figure 1
Water Right Application Map, Old McDonald Course – Bandon Dunes

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WATER RESOURCES DEPT SALEM. OREGON

OWRD Water Supply Well Report Well I.D. L91210

COOS 54362

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

12-19-2008

	Page	1	OT.

WELL LABEL # L	91210
START CARD#	f
START CARD#	[1003392

(1) LAND OWNER Owner Well 1.D. 1264 (OM4)	(9) LOCATION OF WELL (legal description)
First Name Michael Last Name Keiser	County Coos Twp 28.00 S N/S Range 14.00 W E/W WM
Company Bandon Dunes/Old McDonald	Sec 5 SE 1/4 of the NW 1/4 Tax Lot 400
Address 55744 Round Lake Drive	Tax Map Number Lot
City Bandon State OR Zip 97411	Lat ° ' "or DMS or DD
(2) TYPE OF WORK New Well Deepening Conversion	Long ° " or DMS or DD
Alteration (repair/recondition) Abandonment	Street address of well Nearest address
(3) DRILL METHOD	55744 Round Lake Drive, Bandon
Rotary Air Rotary Mud Cable Auger Cable Mud	
Reverse Rotary Other	Date SWL(psi) + SWL(ft)
	Existing Well / Predeepening SwL(psi) SwL(tt)
(4) PROPOSED USE Domestic Irrigation Community Industrial/ Commercial Livestock Dewatering	Completed Well 12-05-2008 56.8
Industrial/ Commercial Livestock Dewatering Thermal Injection Other	Flowing Artesian? Dry Hole?
	WATER BEARING ZONES Depth water was first found 3
(5) BORE HOLE CONSTRUCTION Special Standard Attach copy)	COLUMN SWELDS CONTROL OF THE COLUMN SWELDS COLUMN SWELDS CONTROL OF THE COLUMN SWELDS COLUMN SWELDS CONTROL OF THE COLUMN SWELDS COLUMN S
Depth of Completed Well 273.50 ft. BORE HOLE SEAL sacks/	10-07-2008
Dia From To Material From To Amt lbs	10-21-2008 95 120 50 56.8 10-22-2008 147 151 20 56.8
23 0 95 Cement 0 95 90 S	12-23-2008 166 168 20 56.8
17.5 95 274 Cement 95 178 85 S	12-24-2008 182 184 20 56.8
	(11) WELL LOG Ground Elevation 200
How was seal placed: Method A B C D E	
Other	Material From To Sand fine-medium gray brown 0 14
Backfill placed from ft. to ft. Material	Sand fine-medium gray brown w/ peat 14 15
Filter pack from 178 ft. to 273 ft. Material Gravel Size pea gravel	Sand fine-medium gray brown 15 16
Explosives used: Yes Type Amount	Sand fine-medium gray brown w/wood 16 18 Sand fine-medium gray brown 18 19
(6) CASING/LINER	Peat w/wood 19 20
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd	Wood w/sand fine-medium & peat lenses 20 22
● Q 17.5 × 1.5 83.66 250 ● C ×	Sand fine-medium gray brown w/wood 22 35
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Wood w/peat & sand fine gray Sand fine-medium gray w/wood & peat 35 38 52
(a) 10 199.02 206.08 250 (b) (c) 10 216.25 256 250 (c) (c)	Peat w/wood 52 55
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sand fine-medium gray 55 58
Shoe Inside Outside Other Location of shoe(s)	Peat w/wood & sand fine-medium gray 58 61 Sand fine-medium gray 61 73
Temp casing Yes Dia From To	Sandy clay gray 61 73 Sandy clay gray 73 75
(7) PERFORATIONS/SCREENS	Silty clay green gray 75 77
Perforations Method	Silty clay gray 77 80
Screens Type Johnson V-Wire Material StainlessSteel	Sandy clay gray 80 95 Continued on page 2 80 95
Perf/S Casing/ Screen Scrn/slot Slot # of Tele/	
creen Liner Dia From To width length slots pipe size	Date Started 05-05-2008 Completed 12-05-2008
Screen 10 186.77 199.02 101 10	(unbonded) Water Well Constructor Certification
Screen 10 206.08 216.25 101 10	I certify that the work I performed on the construction, deepening, alteration, or
Screen 10 256 268 101 10	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.
(8) WELL TESTS: Minimum testing time is 1 hour	License Number 1759 Date 12-19-2008
Pump	Electronically Filed
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)	Signed CHRISTOPHER L KERSEY (E-filed)
99.9 7.6 231 1	(bonded) Water Well Constructor Certification
202 16.6 231 1 299.5 25.5 231 1	I accept responsibility for the construction, deepening, alteration, or abandonment
299.5 25.5 231 1 Temperature 55 °F Lab analysis ⊠ Yes By Bandon Well & Pump Co.	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
Water quality concerns? Yes (describe below)	construction standards. This report is true to the best of my knowledge and belief.
From To Description Amount Units	License Number
	Electronically Filed
	Signed JAMES A MACK SR (E-filed)
	Contact Info (optional) BANDON WELL & PUMP COMPANY (541) 347-7867

WATER SUPPLY WELL REPORT continuation page

12-19-2008

START CARD # 1003392

(5) BO	RE HO	LE CO	NSTRUCTI	ON				(10) STATIC	WATER	LEVEL			
BC	DRE HO	LE		SEAL		sack	1 1	Water Bear		LEDVER			
Dia	From	To	Material_	From	То	Amt the		water Bear	ing zones				
							_	SWL Date	From	То	Est Flow	SWL(psi)	+ SWL(fi)
						<u> </u>	-	10-24-2008	189	200	200		56.8
							-	11-04-2008	207	214.5	150		56.8
			-		-	 	\dashv \blacksquare	11-05-2008	225	228	50		56.8
							-	11-05-2008	242	243	20		56.8
							11	11-05-2008	248	250	50		56.8
							7	11-07-2008	255	267	250		56.8
	FILTER	PACK					_				 		\vdash
F	rom		latorial S	ize						_			
	<u> </u>												
							- 1			L	L		
							-				****		
							- 1	(11) WELL !	LOG				
(6) CA	SING/I	LINER					- 1		Material			From	То
Cacin	g Liner	Dia +	From	To Gauge	Sti Diete	Wld Thro	.	Gravel fine-med		coarse-fine g	ray	95	100
Castri	E Line	171a -	110111	TO Gauge		~ · · · · · · · · · · · · · · · · · · ·		Gravel coarse-fi				100	105
\bowtie	$ \!$ $\!$ $\!$ $\!$ $\!$ $\!$ $\!$ $\!$ $\!$ $\!$ $\!$ $\!$ $\!$		-		\aleph	\vdash		Gravel m-f-c w/				105	120
\bowtie	-	¦			\aleph	<u> </u>		Sandy clay gree				120	147
\mathcal{L}	-		ᆗ ──├		$\mathcal{L}\mathcal{A}$	 		Gravel coarse-fi	ne w/sand co	oarse-fine gre	en gray	147	151
\bowtie	-		=		\aleph	i - 		Sandy clay gree				151	166
\bowtie	$\rightarrow \parallel$		=		$\times \times$	 - 		Gravel medium		coarse-fine g	reen gray	166	168
\bowtie	$\rightarrow \vdash$		=		$\times \times$	├		Silty clay green	gray			168	175
\bowtie	$ \forall$ $ -$	}	=		\aleph			Silty clay gray Gravel coarse-fi				175	182
\bowtie	$\rightarrow \Vdash$		=		\aleph	 		Sandy clay gray		<u>y</u>		182	184
\cup					\cup	سا لسا ا	'	Gravel coarse-fi	ine w/sand co	narse-fine gre	en black *	184 188	188
								Gravel coarse-fi				199	207
				· · · · · · · · · · · · · · · · · · ·			-	Gravel coarse-fi			en black *	207	214.5
								Silty clay gray				214.5	220
(7) PE	RFOR	ATION	S/SCREENS	5				Sandy clay gray				220	222
	Casing/ Sc			Sem/slot	Slot #	of Tel	,	Sandy clay gray				222	225
	_		From To			lots pipe		Shell w/gravel o				225	228
			10111					Sandy clay gray		9 1		228	238
								Sandy clay gray			als all	238	242
								Gravel medium Sandy clay gray		uck w/sand &	snen	242	243
								Gravel medium		nck w/shell		243 248	248 250
								Sandy clay gray				250	253
-								Silty clay green				253	255
-								Gravel coarse-f		-f gray green	black *	255	262
 				+ +				Gravel coarse-f	ine w/clay g	ray	*	262	264
								Gravel coarse-f			*	264	265
								Continued in co	mment secti	on		265	274
			Ainimum tes	_									
	gal/min 398.7	Drawo	down Drill 35,4	stem/Pump dep 231	th Dui	ration (hr)		Comments	/Remarks				
	400.2		48	231	72	2	- 1	<u> </u>					
							- 1						
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-		_			ļ		i	Gravel coars	e-fine w/san	dy clay gray l	rown *	265	268
L					L		- 1	Silty clay gra		()		268 _	269
Wa	ter Qua	lity Cond	erns				1	Sandstone gr	ay			269	274
Fro	m ′	То	Descr	iption	Amour	nt Units	_	C1		5" % 10" and		O! 1 1/4	aval tuba+ @
							」			5" & 10" casi 7.5" & 10" ca		U. 1 1/4 gra	avel tube set @
				· · · · · · · · · · · · · · · · · · ·			4	8.33 gal/ft of			5		
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NOV 1 2 2008

COOS 54170

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

02-04-2008

Page 1 of 2 WATER RESOURCES DEPT SAINENLIOBERGIN# L 91182 START CARD # 1000015

(1) I AND OVERTON OF THE 1246 PD4	
(1) LAND OWNER Owner Well 1.D. 1246 RD#	(9) LOCATION OF WELL (legal description)
First Name Last Name	County Coos Twp 27.00 S N/S Range 14.00 W E/W WM
Company BANDON DUNES/Old McDonald	Sec 29 SE 1/4 of the NW 1/4 Tax Lot 600
Address 57744 Round Lake Drive City Bandon State OR Zip 97411	Tax Map Number Lot Lat 42 °12 '491 " or 43.33361111 DMS or DD
	43 14 441
(2) TYPE OF WORK New Well Deepening Conversion	144
Alteration (repair/recondition) Abandonment	
(3) DRILL METHOD	57744 Round Lake Drive, Bandon
Rotary Air Rotary Mud Cable Auger Cable Mud	(10) CTATIC WATER I EVEL
Reverse Rotary Other	(10) STATIC WATER LEVEL Date SWL(psi) + SWL(ft)
(4) PROPOSED USE Domestic Irrigation Community	Existing Well / Predeepening
Industrial/ Commercial Livestock Dewatering	Completed Well 01-24-2008 20
Thermal Injection Other	Flowing Artesian? Dry Hole?
(5) BORE HOLE CONSTRUCTION Special Standard Attach cop	WATER BEARING ZONES Depth water was first found 22
Depth of Completed Well	y) <u>SWL Date</u> <u>From</u> <u>To</u> <u>Est Flow SWL(psi)</u> + <u>SWL(ft)</u> 01-24-2008 22 72 350 20
BORE HOLE SEAL sack	
Dia From To Material From To Amt Ibe	
18 0 5 Bentonite 0 5 7 S	
14.75 5 78 Bentonite 5 38 28 S	
	(11) WELL LOG Ground Elevation 200
How was seal placed: Method A B C D E	Material From To
Other Pour from surface	Sand fine tan
Backfill placed from ft. to ft. Material	Sand fine brown 3
Filter pack from 38 ft. to 78 ft. Material Gravel Size 3/8-3/16	Sand fine tan 3 8 Sandy clay white/orange 8 8 5
Explosives used: Yes Type Amount	Cemented sand orange 8.5 10
(6) CASING/LINER	Sandy clay white 10 12
Casing Liner Dia + From To Gauge Stl Plate Wild Thr	
○ C 10 🔀 1.58 57.25 Sch40 ○ ○ 🗙 🗆 10 □ 72.25 77.25 Sch40 ○ ○ 🗙	Sandy clay white w/cemented sand orange 13 14 Sand fine-coarse w/sandy clay tan 14 21
	Sand tine-coarse w/sandy ciay tan 14 21 21 22
○ 14 × 1.83 4 .250 ○ ○	Sand fine-coarse tan 22 35
 	Sandy clay tan orange 35 38
Shoe Inside Outside Other Location of shoe(s)	Sand fine-coarse tan 38 42 Gravel fine-coarse w/sand coarse-fine brown 42 45
	Gravel fine-coarse w/sand coarse-tine brown 42 45 Gravel fine-coarse w/sand c-f brown iron stained 45 50
Temp casing Yes Dia From To	Gravel fine-medium w/sand c-f brown iron stained 50 54
Perforations Method	Gravel fine-coarse w/sand c-f gray green 54 69
Screens Type Johnson V-Wire Material StainlessSteel	Gravel coarse-fine w/sand c-f gray green 69 71
	Continued on Page 2 69 71
Perf/S Casing/Screen Scm/slot Slot # of Tele/ creen Liner Dia From To width length slots pipe size	Date Started 11.26-2007 Completed 01-24-2008
Screen 10 57.25 72.25 101 10	(unbonded) Water Well Constructor Certification
	I certify that the work I performed on the construction, deepening, alteration, or
	abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to
	the best of my knowledge and belief.
(8) WELL TESTS: Minimum testing time is 1 hour	License Number 1759 Date 02-04-2008
Pump	Electronically Filed
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)	Signed CHRISTOPHER L.KERSEY (E-filed)
90 8.3 60 2	(bonded) Water Well Constructor Certification
58.6 6 63	I accept responsibility for the construction, deepening, alteration, or abandonment
1199 121 63 1	work performed on this well during the construction dates reported above. All work
Temperature 52 °F Lab analysis Yes By Bandon Well & Pump Co.	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.
Water quality concerns? Yes (describe below) From To Description Amount Units	
The state of the s	License Number 1493 Date 02-04-2008 Electronically Filed
	Signed JAMES A MACK SR (E-filed)
	Contact Info (optional) Bandon Well & Pump Company (541) 347-7867

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START CARD # 1000015

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(5) BORE H	OLE CON	STRUCTION				Т,	10) \$7 4 710	' WATER	T TO STORT			
BORE HO	OLE		SEAL				(10) STATIC					
Dia From	To	Material	From	Ta	sacks/ Amt_lbs		Water Bear	ing Zones				
	T	- William	TIOM		AUL IDS	H	SWL Date	r	T -	P-A-File.	OTHE (h	+ 00000
	 						SWLDate	From	То	Est Flow	SWL(psi)	+ SWL(ft)
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From	To Mate	erial Size	_									
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						. ((11) WELL 1	LOG				
(6) CASING	LINER							Material			P	т-
Casina I in	D:	r m	C	4		1.	Gravel coarse-fi		f arey area	R wood	From	To
Casing Liner	Dia +	From To	Gauge S	ti Pistc	wid Thrd			INC W/ SELTE C	r Rish Riccu	or Mood	71	72
			\sqcap		\Box		Sandstone gray				72	78
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(7) DEDECT	ATTONO/	CDEENS				ш					+	
(7) PERFOR		CREENS				ш					+	
Perf/S Casing/S				lot #o		ш					+	
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(A) TT:=== =				_								
(8) WELL T	E515: Min	imum testing (time is 1	hour								
Yield gal/min	Drawdow	n Drill stem/P	ump denth	Durat	ion (hr)		_					
179.5	18.4			1			Comments/	Remarks				
240	24.9			1								
297.6	31.1											
180	20.3	6.	1									
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Water Out	ility Concert	ns										
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COOS 54287

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

07-18-2008

Page 1 of 1

WELL LABEL # L	91192
START CARD#	123873

(1) LAND OWNER Owner Well I.D. 1265 (Shuman)	(9) LOCATION OF WELL (legal description)
First Name Michael Last Name Keiser	County Coos Twp 27.00 S N/S Range 14.00 W E/W WM
Company Bandon Dunes	Sec 29 NW 1/4 of the SE 1/4 Tax Lot 1300
Address 57744 Round Lake Drive	Tax Map Number Lot
City Bandon State OR Zip 97411	Lat DMS or DD
(2) TYPE OF WORK New Well Deepening Conversion	Long or DMS or DD
Alteration (repair/recondition) Abandonment	Street address of well Nearest address
(3) DRILL METHOD	57744 Round Lake Drive
Rotary Air Rotary Mud Cable Auger Cable Mud	
Reverse Rotary Other	(10) STATIC WATER LEVEL Date SWL(psi) + SWL(ft)
(4) PROPOSED USE Domestic Irrigation Community	Existing Well / Predeepening
Industrial/ Commercial Livestock Dewatering	Completed Well 07-09-2008 33.6
Thermal Injection Other	Flowing Artesian? Dry Hole?
(5) BORE HOLE CONSTRUCTION Special Standard Attach copy	WATER BEARING ZONES Depth water was first found 33.58
Depth of Completed Well	SWL Date From To Est Flow SWL (psi) + SWL (ft) 07-03-2008 33.58 66 125 33.6
BORE HOLE SEAL sacks	
Dia From To Material From To Amt Ibs	
15 0 71 Bentonite 0 30 S	┨┝ ┈┈ ┼┈┼┈┼
6 71 78 Cement 72 78 1 S	
	(11) WELL LOG Ground Elevation 100
How was seal placed: Method A B C D E	Material From To
Other Pour from surface	Sandy clay brown 0 2
Backfill placed from ft. Material	Cemented sand brown 2 3 Sand fine tan brown 3 23
Filter pack from 30 ft. to 71 ft. Material Sand Size 6/9 8/12	Sandy clay white 23 24
Explosives used: Yes Type Amount	Sand fine ten 24 37
(6) CASING/LINER	Sand c-f w/gravel fine orange & sandy clay tan 37 39
Casing Liner Dia + From To Gauge Stl Plate Wid Thrd	Sand coarse-fine brown 30 52 50 Sand coarse-fine w/gravel fine brown 52 60
(a) C 10 X 1 51.33 sch40 C (b) X 1 66.33 70.33 sch40 C (c) X 1	Gravel fine-medium w/sand coarse-fine gray brown 60 65
0 10 66.33 70.33 sch40 0 X	Gravel medium-fine w/ sand c-f gray & wood 65 66
	Clay gray 66 68 Claystone gray RECEIVED 68 75
	Sandstone gray RECEIVED 68 75 78
Shoe Inside Outside Other Location of shoe(s)	
Temp casing Yes Dia From To	NOV 1 2 2008
(7) PERFORATIONS/SCREENS	THE PERSON DEPT
Perforations Method	WATER RESOURCES DEPT
Screens Type Johnson V-Wire Material S S	SALEM, OREGON
Perf/S Casing/ Screen Scm/slot Slot # of Tele/	Date Started 05-01-2008 Completed 07-09-2008
Screen Liner Dia From To width length slots pipe size	(unbonded) Water Well Constructor Certification
Screen 10 60.33 66.33 075 10	I certify that the work I performed on the construction, deepening, alteration, or
	abandonment of this well is in compliance with Oregon water supply well
	construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
(8) WELL TESTS: Minimum testing time is 1 bour	License Number 1759 Date 07-18-2008
	Electronically Filed
Pump	Signed CHRISTOPHER I. KERSEY (E-filed)
122 16.2 66 72	(bonded) Water Well Constructor Certification
	I accept responsibility for the construction, deepening, alteration, or abandonment
	work performed on this well during the construction dates reported above. All work
Temperature 54 °F Lab analysis Yes By	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.
Water quality concerns? Yes (describe below) From To Description Amount Units	
	License Number 1493 Date 07-18-2008 Electronically Filed
	Signed LAMES A MACK SR (E-filed)
	Contact Info (optional) BANDON WELL & PUMP COMPANY (541) 347-7867

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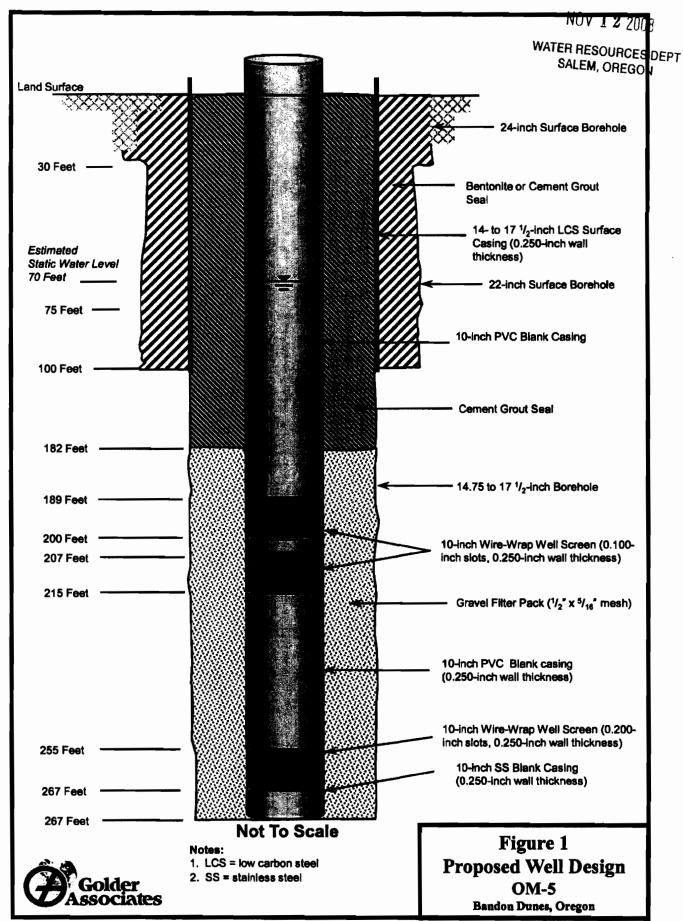


Figure 1 Final Well Design (06-17-08).ppt



Oregon Water Resources Department Land Use Information Form

THIS FORM IS NOT REQUIRED IF: 1) water is to be diverted, conveyed, and/or used only on federal lands; or 2) the application is for a water-right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and all of the following apply: a) only the place of use is proposed for change, b) there are no structural changes, c) the use of water is for irrigation, and d) the use is located in an irrigation district or exclusive farm-use zone.

Applicant Name: Bandon Dunes Limited Partnership c/o Donald J. Stastny, Owner's Representative

C '										
City:		_Chicag	go	State: _	<u>IL</u> 2	Zip:	60614	Day Phone: _	503	-222-5533
This app	olication	is related	l to a M	leasure 37 cl	laim. □Y	es E No				
Land and L	ocation	<u>1</u>								
	used. A	Applicants	for mu	unicipal use,	or irrigati	ion uses wit	hin irri	ted (taken from it gation districts m		
Township	Range	Section	1/4 1/4	Tax Lot#		signation (e.g		Water to be:		Proposed Land Use
								Diverted Conveye	d 🗆 Used	
See	Attache	ed Table)					Diverted Conveye	d 🛮 Used	i
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				Vator Docov	o be divert	-tmont:				
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rpe of applicat ☑ Permi ☐ Allocate ☐ Permi	ion to be t to Use ation of 0 t Amend	e filed with or Store Vectors or Store Vectors or Conserved Iment or C	th the W Water d Water Ground	□ W r □ L Water Regi	rces Depar Vater-Righ imited Wa istration M	t Transfer iter Use Lic Iodification	ense e Water	r (name)		
rpe of applicat ☐ Permi ☐ Alloca ☐ Permi ource of water	ion to be t to Use ation of (t Amend Res ity of wa water:	e filed with or Store Vectors or Conserved Iment or Conserved Iment or Conservoir/Ponter neede	water d Water Ground and cd:	□ W r □ L Water Regi	rces Depar Vater-Righ imited Wa istration M Vater □ cub	t Transfer ater Use Lic Iodification	ense Water second	r (name)	ninute	□ acre-feet
Permi Alloca Permi Alloca Permi vurce of water timated quant	ion to be t to Use ation of 0 t Amend Res ity of wa	e filed with or Store Nonserved Iment or Conserved Iment of Irrigation Impunicial Impunic	water d Water Ground ond cd: pal	□ W r □ L l Water Regi □ Ground W 575 □ Commerc □ Quasi-mu	rces Depar Vater-Righ imited Wa istration M Vater □ cub ial nicipal	t Transfer ater Use Lic Iodification Surfac sic feet per s	ense e Water second rial m	r (name)	ninute	□ acre-feet
rpe of applicat ☐ Permi ☐ Alloca ☐ Permi purce of water timated quant tended use of	ion to be t to Use ation of 0 t Amend Res ity of wa water:	e filed with or Store Vectors or Conserved Iment or Conserved Iment or Conserved Iment or Conserved Iment or Conserved Implemental Implementation of the Conserved Implementation of the Conse	water d Water d Water Ground end end: pal	□ W r □ L l Water Regi □ Ground W 575 □ Commerc □ Quasi-mu	rces Depai /ater-Righ imited Wa istration M //ater — □ cub ial nicipal	t Transfer ater Use Lic lodification Surfac cic feet per s Industr Instrea	ense e Water second rial m	r (name) ☑ gallons per n □ Domestic for _ □ Other	ninute	acre-feet
Permi Alloca Permi Alloca Permi Permi Permi Permi Permi	ion to be t to Use ation of 0 t Amend Res ity of wa water: Water wased to pro-	e filed with or Store Vectors or Store Vectors or Gervoir/Poster needed Irrigation Municipalls be pumper or the germone the germone the germone or Store Vectors or Store Vector	Water d Water Ground end exd: pal	□ W r □ L l Water Regi □ Ground W 575 □ Commerc □ Quasi-mu ive wells and ag and maintenance	rces Depar Vater-Righ imited Wa istration M Vater ———————————————————————————————————	t Transfer ater Use Lic lodification Surfac sic feet per s Industr Instrea	ense e Water second rial m	r (name) ☑ gallons per n □ Domestic for _ □ Other ia underground pipelin	ninute l	□ acre-feet nousehold(s) rinkler systems.

State of Oregon

Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1266

Receipt for Request for Land Use Information

NOV 1 2 2008
WATER RESOURCES DEPT
SALEM, OREGON

For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form.

This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

Please check the appropriate box below	w and provide the requested information
--	---

Debia Denied Denied Not being pursued Denied		Type of Land-Use Approval Needed (e.g. plan amendments, rezones,	Cite Most Significant, Applicable Plan Policies & Ordinance Section References		"Being pursued".
Obtained Being pursued Obtained Obtained Being pursued Obtained Obtained Being pursued Obtained Obtained Obtained Obtained Being pursued Obtained		conditional-use permits, etc.)		☐ Obtained	☐ Being pursued
Denied Obtained Being pursued Denied Obtained Being pursued Denied Obtained Being pursued Denied Obtained Being pursued Denied Denied Obtained Obtained Denied Obtained O			_		
Debig Denied Being pursued Denied Denied					
Denied Not being pursued N			-		
governments are invited to express special land-use concerns or make recommendations to the Water Resonant regarding this proposed use of water below, or on a separate sheet. Debby Dar 14				☐ Denied	☐ Not being pursued
governments are invited to express special land-use concerns or make recommendations to the Water Resonant regarding this proposed use of water below, or on a separate sheet. Debby Darling Title: Flanting Phone: 341 346 3121 Date: 16/16/10				I .	1
governments are invited to express special land-use concerns or make recommendations to the Water Resembler regarding this proposed use of water below, or on a separate sheet. Debby Dar Inf			-		
governments are invited to express special land-use concerns or make recommendations to the Water Resources the proposed use of water below, or on a separate sheet. Debby Darling Title: Flanting Phone: 341 346 3121 Date: 16/16/16 Innert Entity: Cott County Please complete this form or sign the receipt below and return it to sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the county be information Form or WRD may presume the land use associated with the proposed use of water is concomprehensive plans. Receipt for Request for Land Use Information Pant name: Staff contact:					1
sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the course Information Form or WRD may presume the land use associated with the proposed use of water is consomprehensive plans. Receipt for Request for Land Use Information	ie: ature: ernme	<i>λ</i> γ Λ.	Phone: 541 3	uner 9963121 42	
r County: Staff contact:		the receipt, you will have 30 da	ys from the Water Resources Departs	ment's notice	date to return the comple
r County: Staff contact:	ou sign d Use	Information Form or WRD may	presume the land use associated with		
	ou sign d Use al comp	Information Form or WRD may prehensive plans. Receip	t for Request for Land Use Ir		
	ou sign d Use al comp	Information Form or WRD may prehensive plans. Receip	t for Request for Land Use Ir		
ure: Phone: Date:	u sign I Use I comp	Information Form or WRD may prehensive plans. Receip	t for Request for Land Use Ir	nformation	

A. LAND AND LOCATION

_							Water to be:		
Township	Range	Section	1/4 1/4	Tax Lot #	Plan Designation	Diverted	Conveyed	Used	Proposed Land Use
27S	14W	29	NE NW	1200	BDR	X		Х	Golf Course
27S	14W	29	SW NW	1200		Х		X	
27S	14W	29	SE NW	1200		Х		Х	
27S	14W	29	NW SE	1200		Х			
285	14W	5	SW SW	400		X	Х		
275	14W	20	SE SW	600				X	
275	14W	20	SW SE	900				X	
275	14W	29	NW NW	1200				X	
275	14W	29	NW NE	1200				X	
27\$	14W	29	SW NE	1200				Х	
275	14W	29	NW SW	1200				X	
275	14W	29	NE SW	1200				Х	
275	14W	32	SW 1/4	400			X		
27S	14W	32	NW 1/4	400			Х		

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WATER RESOURCES DEPT SALEM, OREGON

Bandon Dunes Land Use Form - 101508

Table 1
Old McDonald Course Water Rights Permit
Well Construction Details

Well No.	Diameter	Type and Size of Casing	Number of Feet of Casing	Intervals Casing is Perforated (feet bgs)	Seal Depth (feet bgs)	Est Depth to Water (feet bgs)	Est. Depth to Water- Bearing Stratum (feet bgs)	Type of Access Port or Measuring Device	Total Depth of Well (feet bgs)	
L91182	14.75 in. boring	10-in. PVC casing	77.25	57.25 to 72.25	38	20	22	O.F. inch part	70	
(OM-1)	10-in. casing/screen	10-in. SS Screen	//.25	57.25 (0 /2.25	30	20		0.5-inch port	78	
OM-2 *	14.75 in. boring	10-in. PVC casing	75	55 to 75	45	20	40	O.F. in all anoth	75	
OIVI-2	10-in. casing/screen	10-in. SS Screen	/3	33 (0 /3	43		40	0.5-inch port	/3	
OM-3 *	14.75 in. boring	10-in. PVC casing	75	55 to 75	45	20	40	O.E. inch nort	75	
OW-5	10-in. casing/screen	10-in. SS Screen	/3	33 (0 /3	45	20	40	0.5-inch port	75	
L91192	15 in boring	10-in. PVC casing	70.33	51.33 to 66.33	30	20	33	O.E. inch part	70	
(OM-4)	10 in. casing/screen	10-in. SS Screen	70.55	31.33 (0 00.33	30	20	33	0.5-inch port	78	
	15 in boring	10-in. PVC casing		189 to 200		·	·			
OM-5 **		10-in. PVC casing	267	207 to 215	182	70	189	0.5-inch port	267	
	10 in. casing/screen	10-III. 33 Screen		255 to 267						

- * Well has not been constructed. Construction details are estimates only.
- ** Well has been design but not yet constructed.

Well Location Property Descriptions

Well No.	County	Township	Range	Section	Qtr Qtr.	Tax Lot	Location relative to Section Corner	
L91182	coos	27 S	14 W	29	NE - NW	1200	1,644 feet east and 4,390 feet north of the SW corner of Section 29	
(OM-1)	003	2/3	14 44	29	IAE - IAAA	1200	1,044 leet east and 4,590 leet north of the 5W corner of Section 29	
OM-2 *	coos	27 S	14 W	29	SW - NW	1200	381 feet east and 3,723 feet north of the SW corner of Section 30	
OM-3 *	coos	27 S	14 W	29	SE - NW	1200	1,647 feet east and 2,656 feet north of the SW corner of Section 30	
L91192	coos	27 S	14 W	29	NW - SE	1200	1,742 feet east and 2,390 feet north of the SW corner of Section 31	
(OM-4)	COOS	2/3	14 44	29	INVV - SE	1200	1,742 leet east and 2,390 leet north of the SW corner of Section 31	
OM-5 **	coos	28 S	14 W	5	SW - SW	400	562 feet east and 162 feet north of the SW corner of Section 5	

NOV 1 2 2008
WATER RESOURCES DEPT SALEM, OREGON

LIMITED POWER OF ATTORNEY

Bandon Dunes, L. P., a Delaware Limited Partnership Michael Keiser, Managing Partner 57774 Round Lake Road Bandon, Oregon 97411-6360 to

Donald J. Stastny

StastnyBrun Architects, Inc. 1630 SW Morrison, Suite 210 Portland, OR 97205

After recording return to Michael Keiser at above address

KNOW ALL BY THESE PRESENTS that I, Michael Keiser, in my capacity as managing partner for Bandon Dunes L. P., a Delaware Limited Partnership registered to do business in the State of Oregon, do hereby make, constitute, and appoint Donald J. Stastny, FAIA, AICP, chief architect and owner's representative for Bandon Dunes L.P., the true and lawful attorney and agent for Bandon Dunes L.P. to sign, seal, and execute on behalf of Bandon Dunes L.P. any and all applications, consents, concurrences, waivers, and other documents that he reasonably deems necessary to complete, submit, supplement, modify, withdraw, and otherwise process applications for governmental permits, certifications, approvals, grants, access rights, and consents related to the development and operation of the Bandon Dunes Resort Site in Coos County Oregon in accordance with the Bandon Dunes Resort Master Plan element of the Coos County Comprehensive Plan.

Limitations: This power of attorney limited to the powers stated above and does not include the authority to assign, lease, sell, rent, mortgage, pledge, donate, or otherwise transfer interests in real or personal property.

Effective dates: This power of attorney is effective from this date and continues in effect until December 31, 2009, or until otherwise extended, modified, or cancelled in writing by the principal or agent or by operation of law.

Signed and dated this 6 day of November, 2008.

Bandon Dunes, L.P.

by Michael Keiser, Managing Partner

State of Oregon, County of Coos) ss.

This instrument was acknowledged before me this girl day of November, 2008.

OFFICIAL SEAL

KRISTIE JACOBSON

NOTARY PUBLIC-OREGON

COMMISSION NO. 404296

MY COMMISSION EXPIRES APRIL 30, 2010

Notary Public for Oregon My commission expires: ___

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Table 2 **Amount of Water**

Well No.	Source or Aquifer	Type of Use	Total Rate of Water Requested (in gpm)	Total Annual Quantity (in gallons)	Production Rate (in gpm)	Notes	
OM-1	2 B Aquifer	Irrigation	150	1.68E+10	150	Log Attached	
OM-2			50		50	Not yet constructed	
OM-3 OM-4			50		50	Not yet constructed	
			125		125	Log Attached	
OM-5*			250		250	Well design attached.	

Note:

A borehole has been drilled at the site of OM-5 and preliminary logs indicate the subsurface conditions are similar to those that were encountered at wells L74686 and L96436. These wells are deeper and more productive than most of the wells on the Bandon Dunes property and are screened in water-bearing gravels at depths between 180 and 260 feet below grade. The recommended pumping rate at L74686 is 350 gpm. The OM-5 design will screen the same deposits. The gravels are thinner at this location than at L74686 and the estimated production rate has been adjusted downward accordingly.

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Oregon Water Resources Department

FORM I FOR IRRIGATION WATER USE

1. Please indicate whether y	ou are requesting a p	rimary or supp	lemental irrigation w	ater right.					
₫ Primary □ Su	pplemental If supplemental, plea will be irrigated for e			at					
	Primary:	206.65	Acres						
	Secondary:		Acres						
	List the permit or ce of the primary water		r No						
Please list the anticipated partial season:	crops you will grow a	nd whether yo	u will be irrigating the	em for a full or					
1. Grass, turf, landscape vegetat	tion ☑ Full seaso	on 🗆 Partia	I season (from:	to)					
2	□ Full seaso	on 🗆 Partia	I season (from:	to)					
3	□ Full seaso	on 🗆 Partia	season (from:	to)					
4	□ Full seaso	on 🗆 Partia	I season (from:	to)					
3. Indicate the maximum total	al number of acre-feet	t you expect to	use in an irrigation	season:					
516 acre-feet									
(1 acre-foot equals 12	inches of water spread over	r 1 acre, or 43,560	cubic feet, or 325,851 go	allons.)					
How will you schedule you twice a week, daily?	ur applications of wate	er? Will you be	e applying water in th	ne evenings,					
Daily during dayting	me hours	☑ Daily duri	☑ Daily during nighttime hours						
☐ Two or three times	s weekly		ree times weekly	RECEIVED					
during daytime	. Cara Laura	during ni		NOV 1 2 2008					
□ Weekly, during da□ Other, explain:	yume nours	u vveekiy, d	☐ Weekly, during nighttime hours WATER RESOURCES DE SALEM, OREGON						

Golder Associates Inc.

1430 West Broadway Road, Suite 108 Tempe, Arizona 85282 Telephone: (480) 966-0153 Fax: (480) 966-0193 www.golder.com



Our Ref.: 033-1642-002.002

November 10, 2008

Oregon Department of Water Resources Department 725 725 Summer St NE, Suite A Salem, OR 97301

Attn: Mr Douglas E. Woodcock

RE: APPLICATION FOR A PERMIT TO USE GROUNDWATER OLD MCDONALD COURSE, BANDON DUNES RESORT

BANDON DUNES LIMITED PARTNERSHIP, BANDON, OREGON

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WATER RESOURCES DEPT SALEM, OREGON

Dear Mr. Woodcock:

Enclosed please find the completed Application for a Permit to Use Groundwater, completed by Golder Associates Inc. (Golder) on behalf of the Bandon Dunes Limited Partnership. A check in the amount of \$1,600.00 is also enclosed.

The Bandon Dunes Limited Partnership is continuing to develop their property and water use. This application is for a new permit that makes use of a new source of groundwater, and unutilized wells on the Bandon Dunes property. Through this application, the Bandon Dunes Limited Partnership is requesting the authority to appropriate groundwater to promote new grass growth, to maintain the integrity of new turf, and to irrigate surrounding landscape vegetation. The application requests the ability to pump groundwater from five wells to irrigate a total of 206.65 acres. At present, only two of the wells have been constructed. The application package includes the application, application map, and supporting data and memoranda. Please note the proposed operations and monitoring guidelines. This application is part of a long-term goal for Bandon Dunes of establishing a quasimunicipal water right that will provide coverage for water uses on their entire property.

This application has been submitted concurrently with a separate application for permit amendment to the Bandon Dunes water right permit G-13498. For the purposes of proper management of water resources, it is important these applications be processed concurrently to avoid extensive periods of time when water cannot be applied to the requested Place of Use.

There were several entities involved with the preparation of this application package. Golder Associates has prepared and submitted the application. Mr. Donald J. Stastny FAIA FAICP is the Chief Architect and Owners Representative for the Bandon Dunes Golf Resort. Mr. Stastny has been granted temporary signature authority by the Managing Partner of the Bandon Dunes Limited Partnership, Mr. Michael Keiser. An original signed and notarized copy of the document granting limited power of attorney to Mr. Stastny has also been included with this package. The check for

application processing fees was prepared by the general contractor for Bandon Dunes who is responsible for dispersal of funds for current capital projects at the resort.

If you have any questions regarding the application content or the request, please do not hesitate to contact the following Golder Associates staff at any time:

- Ron Blegen (480-966-0153, rblegen@golder.com)
- David Banton (425-883-0777, dbanton@golder.com)

We appreciate your consideration of this request.

Sincerely,

GOLDER ASSOCIATES INC.

Kall P. Bley

Ron Blegen, R.G.

Senior Project Hydrogeologist

David Banton, R.G. Principal Hydrogeologist

David Bank

Attachments: Application for Permit to Use Groundwater

cc: Don Stastny (Stastny Brun Architects, Inc.)

Warren Felton (Bandon Dunes, LLP)

rpb/rpb

1-owrd_permit gw application cover letter_111008

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MEMORANDUM

Golder Associates

Golder Associates inc.

1430 West Broadway Road, Suite 108 Tempe, Arizona, USA 85282 Telephone: 480-966-0153

Fax Access: 480-966-0193

TO: Don Stastny and Bruce Johnson,

DATE: October 15, 2008

Bandon Dunes

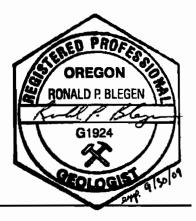
FROM: Ron Blegen, R.G. and David Banton, R.G.

OUR REF.: 033-1642-002.002

RE: STREAM DEPLETION

CALCULATIONS, BANDON DUNES WELL L91182 – OLD MCDONALD

COURSE



This technical memorandum presents an assessment of the potential depletion of stream flow in Whiskey Run Creek due to pumping from new irrigation wells on the Old McDonald golf course, which is part of the Bandon Dunes Golf Resort (Bandon Dunes). Well L91182 is located on the Old McDonald golf course and about 1,400 feet from the nearest segment of the creek (Figure 1). This well is one of three wells that are proposed as irrigation supply wells for the course, but L91182 is the closest of the three locations. The other two wells may be installed at the locations labeled Proposed OM-2 and Proposed OM-3. For the purposes of this memo, production rates at these locations are assumed to be 75 gallons per minute (gpm).

An analytical stream depletion model (Hunt 1999) was used to estimate the effect of pumping from the irrigation wells on flow in the creek. The analytical model assumes that the water table is flat and estimates the amount of surface water captured or intercepted by a pumping well located in an unconfined aquifer in proximity to a stream. The model is a simplification of the site hydrogeologic conditions since several of the underlying assumptions used in the model are not met. In particular, the fact that the irrigation well locations are located such that they intercept groundwater that may naturally discharge to the Pacific Ocean means that the analytical model likely over-predicts impacts to the stream. In addition, the model was run as if the output of all three wells were being pumped from a single well that is closest to the creek. This also contributes to an over-prediction of the

impact of pumping from these wells on the creek because the other wells are located a greater distance from the creek. Therefore, given the limitations of the model, the results are presented to give an indication of potential worst-case impacts rather than actual impacts.

Data input to the model includes estimates of near-well aquifer transmissivity and storage coefficient. These values were determined through analysis of pumping tests completed at well L91182 in January 2008. The estimated aquifer transmissivity is 16,751 gallons per day per foot (gpd/ft) [2,245 feet squared per day (ft²/d)]. The aquifer storage coefficient is estimated at between 0.1 and 0.06, based upon professional judgment and a review of representative storage coefficients from nearby wells completed at similar depths and in similar aquifer materials.

Figure 2 presents the theoretical rate of stream depletion, assuming a storage coefficient value of 0.1 and the well pumping continuously for 210 days (April 1 to October 30) at a rate of 300 gpm (150 gpm from L91182, and 75 gallons from each of locations OM-2 and OM-3). In addition, it was assumed that:

- A streambed leakage value was set at 10 feet/day which is representative of a silty sand to clean sand (Freeze and Cherry 1979); and
- 90% of the water pumped was consumed on site; (10% returned to the aquifer from irrigation).

The figure shows that the rate of depletion increases as pumping duration increases with the maximum impact occurring at the end of the pumping period. At this time (210 days of pumping), it is estimated that pumping 300 gpm (0.67 cfs) would eventually result in the loss of 166 gpm (0.37 cfs) of streamflow. Assuming an aquifer storage coefficient of 0.06, the estimated streamflow losses would be approximately 218 gpm (0.48 cfs) (Figure 3).

Golder has been continuously monitoring streamflow in Whiskey Run Creek since 2004 in accordance with the requirements of water right permit G-15437. A gauging station was established on the creek which records flow data on a continuous basis throughout the year. Periodically, a Swoffer flow meter is used to measure stream velocity (and thus flow) at the station to provide backup and correlation data for the station. A hydrograph displaying the measured flow during this period is presented in Figure 4. Figure 4 also displays the natural streamflow predicted for Whiskey Run Creek by the Oregon Water Resources Department (OWRD) and the instream flow right established by OWRD through water right certificate number 72875.

During the 2004 to 2007 period, the streamflow in the creek has remained relatively steady, generally ranging from about 2 to 3 cfs, with periodic spikes during large storm events. This is well above the predicted flow rate and the rate required for instream flow during large

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portions of the irrigation season. Assuming that streamflow in October in future years is similar to that measured between 2004 and 2007 (typically 2.2 to 2.8 cfs), then a decrease in streamflow of up to 0.40 cfs (as predicted by the stream depletion model) would not result in flows dropping below the instream reserved water right established by OWRD of 0.14 cfs for that month.

Earlier in the year the effects of pumping will be less than in the late summer and fall because of the shorter duration of pumping. Natural streamflow has been higher earlier in the year (May and June) because of higher groundwater levels and greater precipitation. Measured flow during these months is typically in the 3.0 to 3.2 cfs range. Under these conditions, pumping at 300 gpm (0.67 cfs) would not significantly affect streamflow and would not result in flows dropping below the instream reserved water rights established by OWRD of 1.28 for the month of May or 0.75 for the month of June.

As was noted above, this model does not take into account the capture of diffuse groundwater flow that naturally discharges to the ocean. Although not quantified here, the capture of this groundwater will have the effect of decreasing the impact to Whiskey Run Creek due to pumping from wells on the Old McDonald course.

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FIGURES

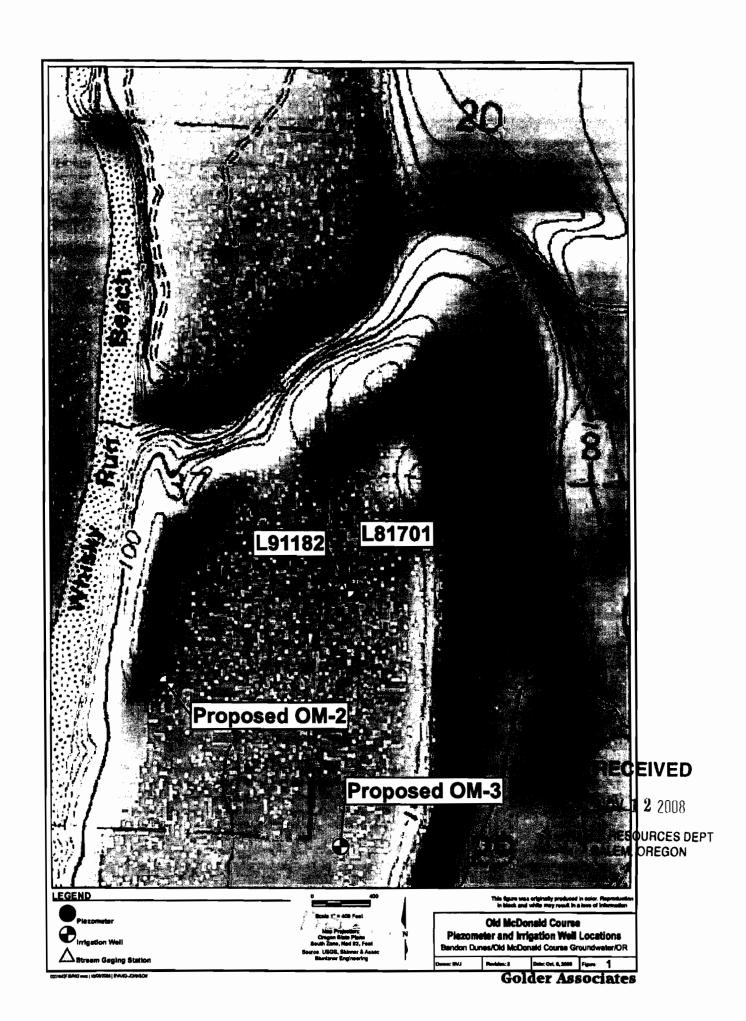
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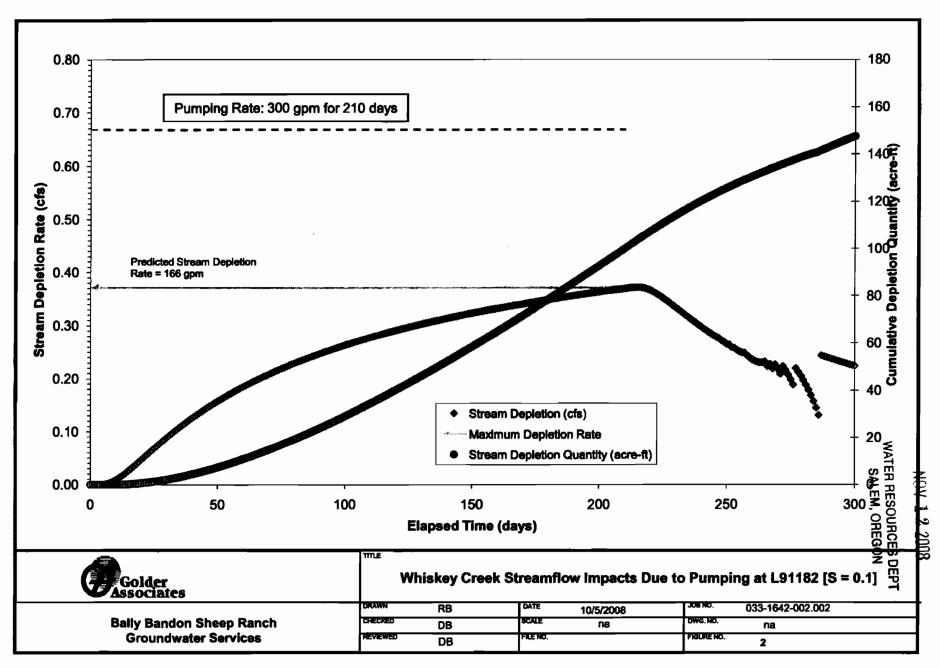
- 1. Old McDonald Course, Piezometer and Irrigation Well Locations
- 2. Whiskey Run Creek Streamflow Impacts Due to Pumping at L91182 [S = 0.1]
- 3. Whiskey Run Creek Streamflow Impacts Due to Pumping at L91182 [S = 0.06]
- 4. Whiskey Run Creek Flow Data Water Years 2004 2007

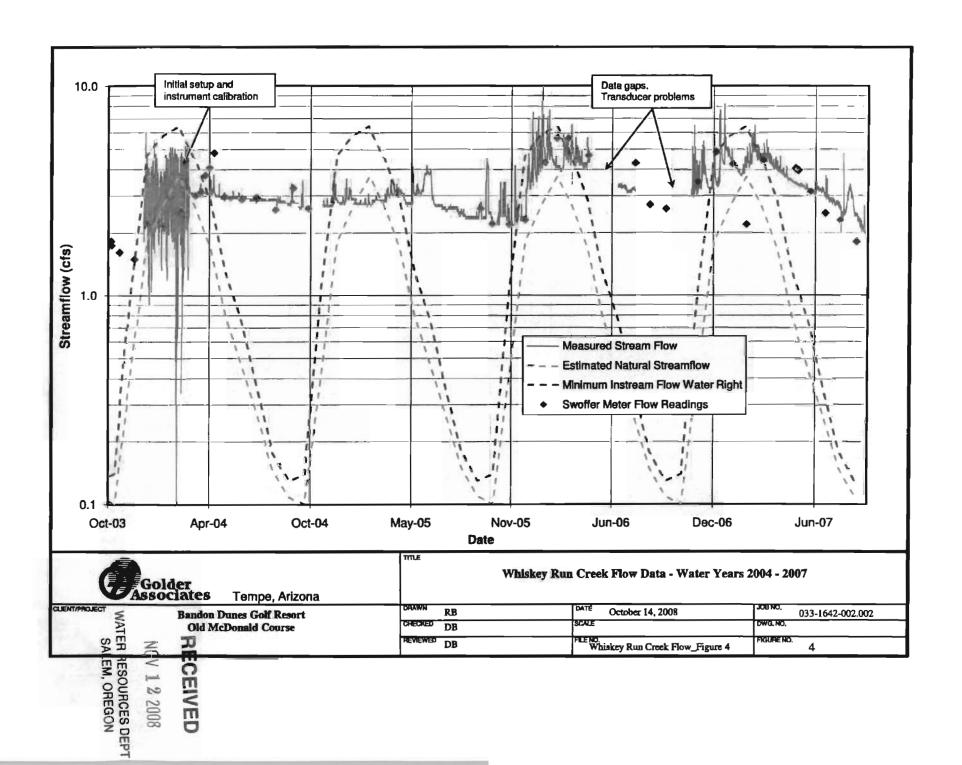
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MEMORANDUM

WATER RESOURCES DEPT SALEM, OREGON



Golder Associates Inc.

1430 West Broadway Road, Suite 108 Tempe, Arizona, USA 85282

Telephone: 480-966-0153 Fax Access: 480-966-0193

TO:

Don Stastny and Bruce Johnson

DATE:

October 14, 2008

Bandon Dunes

FROM:

Ron Blegen and David Banton

OUR REF.:

033-1642-002.002

RE:

PROPOSED OPERATIONS AND MONITORING - OLD MCDONALD

COURSE IRRIGATION WELLS

This memorandum presents a description of the Bandon Dunes Golf Resort (Bandon Dunes) irrigation water delivery system as it relates to the attached water right application. Golder Associates Inc. (Golder) has developed this document as a supplement to the application to provide additional system detail beyond what is requested in the application.

1.0 DESCRIPTION OF CURRENT AND PROPOSED BANDON DUNES WATER DELIVERY SYSTEM

The Bandon Dunes irrigation water supply system, as it has been developed under water right permit G-13498, consists of a series of wells, in-line storage ponds, and water distribution piping systems that are independent to each course. Water flow pumped from each of the 12 operating Points of Appropriation (P.O.A.) is monitored with inline flow meters mounted at the wellheads. Water is stored in the ponds before being pumped to the individual courses, also through an in-line flow meter. Although the courses adjoin each other, and there are some interties to aid with delivery of water to the ponds, the individual irrigation water delivery systems for each course are independent of each other. Therefore Bandon Dunes personnel know how much water is being produced at the P.O.A.'s and how much is being delivered to the authorized P.O.U. All of the ponds are connected via a 10-inch diameter pipeline, which allows Bandon Dunes to move water from wells on the south end of the property to storage ponds further north, as needed.

The system that is being proposed under the new water right application will operate in a similar manner. Four of the proposed P.O.A. wells in this application are located at the north end of the Bandon Dunes property and will deliver water to a pond that supplies both the Pacific Dunes course and the developing Old McDonald course. The fifth well (OM-5) is located at the south end of the property and discharge from this well will be delivered to the Trails course pond, then to the Old McDonald course pond via a 10-inch pipeline that connects all of the storage ponds. As is noted above, each wellhead will include an in-line flow meter which will allow for monitoring of flow from the P.O.A.'s to the pond. Delivery of the irrigation water from the pond to the proposed P.O.U. will be carefully monitored to match the volume produced at the P.O.A. wellheads.

2.0 STREAMFLOW DEPLETION AND PROPOSED MITIGATION OPERATIONS

The attached groundwater permit application and supporting documentation requests that groundwater be pumped from up to five new irrigation wells and applied to an area of 206.35 acres encompassing the Old McDonald course. Three of these wells (OM-1, OM-2, and OM-3) are shallow wells located near Whiskey Run Creek, which borders the Bandon Dunes Resort property on the north. Based on stream depletion calculations, pumping from these wells may have an impact on

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Old McDonald Water Right Application Bandon Dunes

- 2 - WATER RESOURCES DEPT

October 14, 2008 033-1642-002.002

stream flow as the irrigation season progresses. The proposed operations described below will help ensure that these impacts are minimized.

Golder has been continuously monitoring flow in Whiskey Run Creek since 2003 as a water right permit requirement for an adjoining property. The results of this monitoring have indicated that natural streamflow is significantly higher than the modeled estimates generated by the Oregon Water Resources Department (OWRD) for most of the year. In addition, the natural flow is also significantly higher than the minimum instream flow rights. Figure 1 presents the accumulated Whiskey Run Creek flow data, the OWRD monthly estimated flow for the creek drainage, and the minimum instream water right. A review of this figure indicates that streamflow in the creek has remained relatively steady, generally ranging from 2 to 3 cubic feet per second (cfs) with periodic spikes during large storm events. Early in the year (January through March), the OWRD-predicted flow, and the instream water right, typically exceed the measured flow rate. However, after about April 8th of each year, measured flow typically exceeds both the estimated flow and the amount designated for the instream water right. By June 1st, measured flow typically exceeds the minimum instream water right by over 1.0 cfs. This would imply that some streamflow depletion due to groundwater pumping would be acceptable during much of the irrigation season. The potential impacts of groundwater pumping from Old McDonald wells OM-1, OM-2, and OM-3 on stream flow in Whiskey Run Creek is evaluated in the memo entitled "Stream Depletion Calculations, Bandon Dunes Well L91182 - Old McDonald Course (Golder, 2008). These calculations indicate that pumping at a rate of up to 300 gallons per minute from these wells would not result in streamflow dropping below the minimum instream water right, particularly if pumping did not begin until after about June 1.

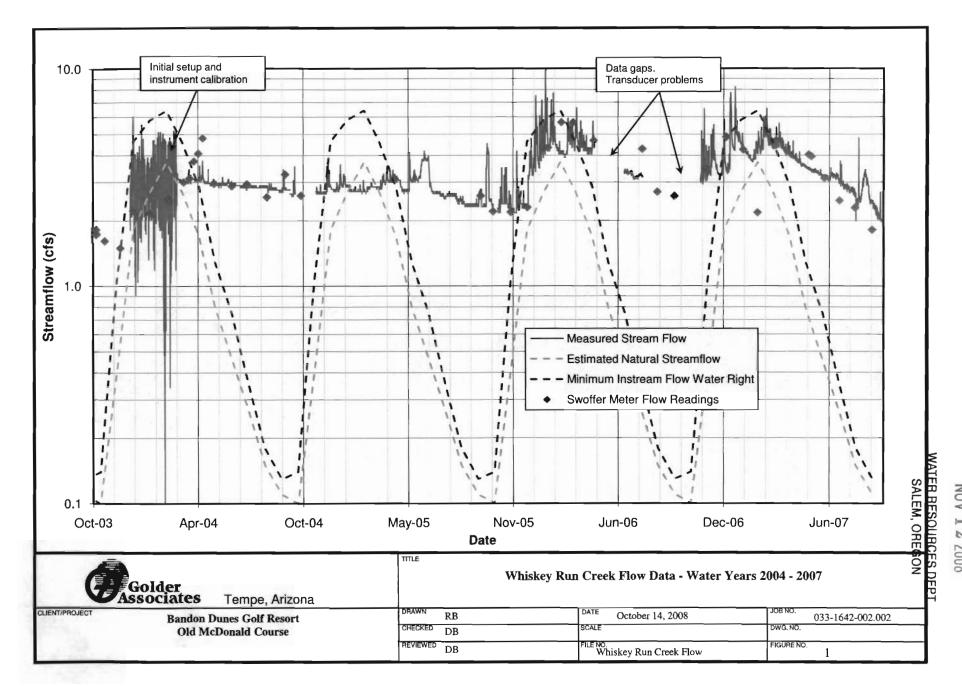
To further minimize impacts during the early months of the irrigation season (March 1 through May 31), Bandon Dunes will draw water for use on the Old McDonald course only from wells OM-4 and OM-5. OM-5 will be a deeper, more productive well located near the south end of the Bandon Dunes property. As the season progresses, a greater proportion of groundwater will be drawn from OM-1, OM-2 and OM-3 beginning on June 1 and continuing through the end of the irrigation season on October 31. It is believed that managing the pumping of groundwater in this manner will effectively minimize and mitigate impacts to the Whiskey Run Creek flow.

To further ensure that pumping from the three Old McDonald course wells does not adversely impact minimum instream flow requirements; Bandon Dunes will continue to monitor flow in the creek as a condition of pumping from the wells. Groundwater pumping rates will not exceed the rates allowed under the permit. Bandon Dunes will present a report to OWRD on an annual basis that documents groundwater use, flow rates, precipitation data and potential impacts to stream flow that have occurred during the previous water year (October 1 through September 31).

As noted above, the structure of the water delivery system at the Bandon Dunes Resort allows maintenance personnel to closely monitor flow from each well and from the outlets from storage ponds to ensure water is being applied in a beneficial manner and in compliance with permit requirements. This allows personnel to assure that a volume of water pumped from a specific set of wells is matched by a volume of water delivered to a particular course.

3.0 FUTURE OPERATIONS

Future development at the Bandon Dunes property will likely include additional residential housing and retail outlets that are typical of a resort development. The Bandon Dunes water use profile will become more "municipal" in nature over time. To that end, it is the intention of Bandon Dunes to eventually develop an application for a Quasi-Municipal water right that will encompass the entire property and allow more flexibility in water usage.



A tract of land located in Sections 20, 29, 30, 31 and 32, Township 27 South, Range 14 West, and Sections 5 and 8, Township 28 South, Range 14 West, Willamette Meridian Coos County, Oregon more particularly described as follows:

Beginning at the corner of Sections 31 and 32 Township 27 South, Range 14 West and Sections 5 and 6, Township 28 South, Range 14 West which is the Southeast corner of that discrete parcel described as Parcel 3 of Deed Volume 308 Page's 126 and 127; thence South between said Sections 5 and 6 a distance of 4797.51 feet, more or less, to the corner of Sections 5, 6, 7 and 8, Township 28 South, Range 14 West; thence continuing South between Sections 7 and 8 a distance of 2592.95 feet, more or less, to the 1/4 corner between said Sections; thence East along the East - West centerline of Section 8 a distance of 1320 feet, more or less, to the CW1/16 corner of Section 8; thence continuing East along the East - West centerline a distance of 500 feet, more or less, to a point on the Westerly boundary of Seven Devils County Road (now Fahy Road); thence Northeasterly along said road boundary to a point on the East line of the SE1/4 of the SW1/4 of Section 8; thence West along the North line of the said SE1/4 of the SW1/4 a distance of 208.7 feet to a point; thence North parallel with the with the East line of the NE1/4 of the NW1/4 of Section 8 a distance of 417.4 feet; thence East parallel with the South line of the NW1/4 of the NE1/4 and the NE1/4 of the NW1/4 of Section 8; thence Northerly parallel with the quarter section line between the NE1/4 and the NW1/4 a distance of 902.6 feet, more or less, to a point on the line between Sections 5 and 8 from which the 1/4 corner between said Sections bears Easterly a distance of 209 feet; thence Easterly along the South line of the W1/2 of the SW1/4 of the SE1/4 a distance of 342.71 feet, more or less, to the Southeast corner of that parcel described in Volume 308 Page 125 as Parcel 1 (h); thence Northward parallel with the line through the center of the W1/2 of the SE1/4 of Section 5 a distance of 1320 feet, more or less, to a point on the North line of the W1/2 of the SW1/4 of the SE1/4 of Section 5; thence West along the North line a said parcel a distance of 551.71 feet, more or less, to the Northwest corner of said parcel; thence North along the North - South centerline of Section 5 a distance of 1320 feet, more or less, to the center of Section 5; thence East along the East - West centerline of Section 5 a distance of 2640 feet, more or less, to the 1/4 corner between Sections 4 and 5; thence North between said Sections a distance of 1320 feet, more or less, to the N1/16 between said Sections; thence West along the South line of the NE1/4 of the NE1/4 to the Southwest corner of the said NE1/4 of the NE1/4; thence North along the West line of the NE1/4 of the NE1/4 a distance of 540 feet, more or less, to a point 10 feet South of the maintained golf course; thence Easterly and 10 south of the maintained golf course a distance of 500 feet, more or less; thence East a distance of 800 feet to a point on the line between Sections 4 and 5 from which the N1/16 of said Sections bears South 480 feet; thence North between Sections 4 and 5 a distance of 458.34 feet, more or less, to the corner of Sections 32 and 33, Township 27 South, Range 14 West and Section 4 and 5, Township 28 South, Range 14 West; thence North between Sections 32 and 33 a

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distance of 1293.30 feet, more or less, to the S1/16 corner between said Sections; thence West along the North boundary of the SE1/4 of the SE1/4 of Section 32 to the Northwest corner of the said SE1/4 of the SE1/4; thence North along the East line of the NW1/4 of the SE1/4 a distance of 1300 feet, more or less, to the Northeast corner of the NW1/4 of the SE1/4; thence North along the East line of the W1/2 of the NE1/4 of Section 32 a distance of 2640 feet, more or less, to the Northeast corner of the said W1/4 of the NE1/4; thence North along the East line of the W1/2 of the SE1/4 of Section 29 a distance of 2640 feet, more or less, to the Northeast corner of the said W1/2 of the SE1/4; thence North along the East line of the W1/2 of the NE1/4 of Section 29 a distance of 2640 feet, more or less, to the E1/16 corner between Sections 20 and 29; thence West along the line between Sections 20 and 29 a distance of 330 feet, more or less, to the Southwest corner of that parcel described in Microfilm Reel No. 16121, recorded on March 2, 1967; thence North along the West boundary of said parcel a distance of 1320 feet, more or less, to the North line of the S1/2 of the SE1/4; thence West along the said North line a distance of 990 feet, more or less, to the Northwest corner of the E1/2 of the SW1/4 of the SE1/4 of Section 20; thence North along the East line of the W1/2 of the NW1/4 of the SE1/4 to the South boundary of Whiskey Run County Road; thence Westerly along said road boundary to the Meander line of the Pacific Ocean; thence Southerly along said Meander line to the intersection of the line between Section 31, Township 27 South, Range 14 West and Section 6, Township 28 South, Range 14 West; thence East along the said line to the point of beginning.

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