Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

Ciddilawaiei/iiyaidiogy section
FILE # # G-17537
ROUTED TO: Kern Kavanagh TOWNSHIP/ RANGE-SECTION: 385/5W-22
TOWNSHIP/
RANGE-SECTION: 38>/5W-22
CONDITIONS ATTACHED?: Xyes [] no
REMARKS OR FURTHER INSTRUCTIONS:

WATER RESOURCES DEPARTMENT 3/1/2012 **MEMO** Application G- 17537 TO: FROM: SUBJECT: Scenic Waterway Interference Evaluation YES The source of appropriation is within or above a Scenic Waterway Use the Scenic Waterway condition (Condition 7J) NO Per ORS 390.835, the Ground Water Section is able to calculate ground water interference with surface water that contributes to a Scenic Waterway. The calculated interference is distributed below. Per ORS 390.835, the Ground Water Section is unable to calculate ground water interference with surface water that contributes to a scenic waterway; therefore, the Department is unable to find that there is a preponderance of evidence that the proposed use will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway. DISTRIBUTION OF INTERFERENCE Calculate the percentage of consumptive use by month and fill in the table below. If interference cannot be calculated, per criteria in 390.835, do not fill in the table but check the "unable" option above, thus informing Water Rights that the Department is unable to make a Preponderance of Evidence finding. Exercise of this permit is calculated to reduce monthly flows in Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

which surface water flow is reduced.

PUBLIC INTEREST_REVIEW FOR GROUND WATER APPLICATIONS TO: Water Rights Section Date 03/08/2012 FROM: Ground Water/Hydrology Section Jen Woody Reviewer's Name SUBJECT: Supersedes review of _____n/a Application G- 17537 Date of Review(s) **PUBLIC INTEREST PRESUMPTION; GROUNDWATER** OAR 690-310-130 (1) The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525. Department staff review ground water applications under OAR 690-310-140 to determine whether the presumption is established. OAR 690-310-140 allows the proposed use be modified or conditioned to meet the presumption criteria. This review is based upon available information and agency policies in place at the time of evaluation. County: Josephine Applicant(s) seek(s) 0.155 cfs from 1 well(s) in the Rogue A1. Basin. Applegate _____ subbasin Quad Map: _ Williams Quad A2. Proposed use: vineyard drip irrigation Seasonality: April1-October 31 Well and aquifer data (attach and number logs for existing wells; mark proposed wells as such under logid): A3. Applicant's Proposed Location Location, metes and bounds, e.g. Well Logid Proposed Aquifer* Well# Rate(cfs) (T/R-S QQ-Q) 2250' N, 1200' E fr NW cor S 36 JOSE 12821 906' S, 1140' E fr C 1/4 cor S 22 1 Granitic rock of 0.155 38S/5W-22 NW SE Grayback Pluton 2 3 4 5 * Alluvium, CRB, Bedrock Well First Well Seal Casing Liner Perforations Well Draw **SWL SWL** Test Well Elev Water Depth Interval Intervals Intervals Or Screens Yield Down ft bls Date Type ft bls ft msl (ft) (ft) (ft) (ft) (ft) (gpm) (ft) 1380 70 15 10/16/1987 260 0 - 400 - 178See 70 air none comments Use data from application for proposed wells. A4. **Comments:** Perforations at the following intervals: 81-84, 94-99, 121-124, 133-139, 161-163, 172-178. A5. Provisions of the Rogue/Applegate River Basin rules relative to the development, classification and/or management of ground water hydraulically connected to surface water \square are, or \boxtimes are not, activated by this application. (Not all basin rules contain such provisions.)

_ , _____ , ____ , ____ , ____ , tap(s) an aquifer limited by an administrative restriction.

Comments:

Comments: _____

Name of administrative area:

Version: 08/15/2003

	ed upon available data, I have determined that ground water* for the proposed use:
a.	is over appropriated, is not over appropriated, or is cannot be determined to be over appropriated during any period of the proposed use. * This finding is limited to the ground water portion of the over-appropriation determination as prescribed in OAR 690-310-130;
b.	will not or will likely be available in the amounts requested without injury to prior water rights. * This finding is limited to the ground water portion of the injury determination as prescribed in OAR 690-310-130;
c.	will not or will likely to be available within the capacity of the ground water resource; or
d.	will, if properly conditioned, avoid injury to existing ground water rights or to the ground water resource: i. The permit should contain condition #(s)
a.	Condition to allow ground water production from no deeper than ft. below land surface;
o.	Condition to allow ground water production from no shallower than ft. below land surface;
Э.	Condition to allow ground water production only from the ground water reservoir between approximately ft. and ft. below land surface;
	Describe injury —as related to water availability— that is likely to occur without well reconstruction (interference w/ senior water rights, not within the capacity of the resource, etc):
<u>stab</u>	senior water rights, not within the capacity of the resource, etc):
stab mea This	senior water rights, not within the capacity of the resource, etc): bund water availability remarks: There are few groundwater level data in this area, but existing monitoring data show the water levels both in the unconsolidated alluvium and in confined granitic aquifers (see hydrograph). An annual
stab mea This	senior water rights, not within the capacity of the resource, etc): bund water availability remarks: There are few groundwater level data in this area, but existing monitoring data show the water levels both in the unconsolidated alluvium and in confined granitic aquifers (see hydrograph). An annual insurement condition on this permit will protect both existing users and the groundwater resource. See well was formerly authorized by LL 1171, which included annual measurement conditions. I cannot locate those
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Date: 03/08/2012 _____

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Version: 08/15/2003

Application: G- 17537_____ continued

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1	3		Williar	ms Creek	1365	1200	3820		\boxtimes			
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Application: G- 17537_____ continued

C1. **690-09-040 (1):** Evaluation of aquifer confinement:

C. GROUND WATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

Date: 03/08/2012 _____

SW #	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Pote for S Inte
ents: The istances.	bedrock well is	not assume	d or determin	ed to have a	n efficient h	ydraulic conn	ection to surface	water

Non-Dis Well	tributed W SW#	'ells Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
WCII	SW#	% %	<u> </u>	%	Арі	%	% Juli	%	Aug %	<u>зер</u>	<u>%</u>	%	%
	OPC		70	70	-70	70	70		70	70	70	70	7
Well Q a													_
Interfere	nce CFS												
Distribu	ted Wells												
We <u>ll</u>	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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$(B) = 80^{\circ}$	% Nat. Q											_	
(C) = 1 %	% Nat. Q												
(D) = (A)) > (C)	. *	r'	v'		1	. ′	ν'		√′	1	. ·	¥'
	/ B) x 100	%	-%	%	%	%	%	%	%	%	%	%	9/

(A) = total interference as CFS; (B) = WAB calculated natural flow at 80% exceed. as CFS; (C) = 1% of calculated natural flow at 80% exceed. as CFS; (D) = highlight the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.

Basis for impact evaluation:

pplic	cation: G- 17537	continued	Date: 03/08/2012 5
4b.	690-09-040 (5) (b) Rights Section.	The potential to impair or	detrimentally affect the public interest is to be determined by the Water
	Rights Section.		
5. [under this permit can l	ed, the surface water source be regulated if it is found to it should contain condition	e(s) can be adequately protected from interference, and/or ground water use substantially interfere with surface water:
	ii. The perm	it should contain special con	ndition(s) as indicated in "Remarks" below;
<u>T</u>	<u>here appears to be a high</u>	level of separation between	well report (JOSE 12821), the applicant's well uses a confined aquifer. the groundwater source and the nearby surface water sources. There is a efined. By convention, we assume there is no local hydraulic connection for
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R	eferences Used: <u>Well</u>	log, file LL-1171, OWRD s	groundwater level database, OWRD well log database.
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App	olication: G-1	17537 co	ontinued		Date: 03/08/2012	6
D. <u>'</u>	WELL CON	STRUCTION, O	OAR 690-200			
D1.	Well #:		Logid:			
D2.	a.	review of the well lo field inspection by _ report of CWRE		·	n:	
D3.	a.	commingles water fi permits the loss of a permits the de-water	threat under Division 200 from more than one ground	d water reservoir; d water reservoirs;		
D4.	THE W	ELL construction d	deficiency is described as	follows:		_
D5.	THE W		was, or was not construction or m		andards in effect at the time of	
		b. 🔲	l don't know if it met stan	dards at the time of const	ruction.	
D6.			Section. I recommend wand approved by the Enfo		permit until evidence of well re- Ground Water Section.	construction
TH	IS SECTIO	N TO BE COMP	LETED BY ENFOR	EMENT PERSONN	EL	_
D7.	☐ Well con	struction deficiency	has been corrected by the	e following actions:		
		(Enforcement Section	on Signature)			, 200
D8.			etion (attach well recons	truction logs to this pag	e).	

Application: G- 17537_____ continued

Date: 03/08/2012 _____

Water Availability Analysis

Detailed Reports

WILLIAMS CR > APPLEGATE R - AT MOUTH ROGUE BASIN

Water Availability as of 3/5/2012

Watershed ID #: 70981

Date: 3/5/2012

Exceedance Level: Time: 1:12 PM

Water Availability Calculation

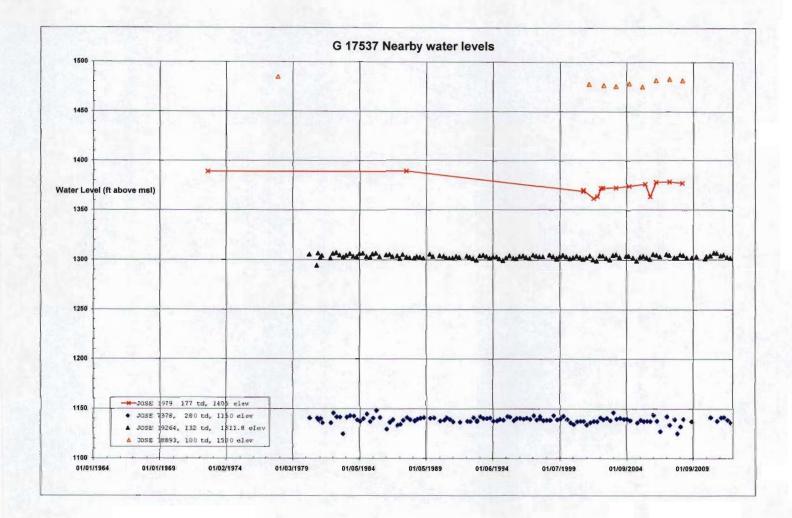
Monthly Streamflows in Cubic Feet per Second Storage at 50% Exceedance in Acre-Feet

Month	Natural Stream Flow	Consumptive Uses and Storages	Expected Stream Flow	Reserved Stream Flow	Instream Flow Requirement	Net Water Available
JAN	67.30	1.18	66.10	0.00	110.00	-43.90
FEB	110.00	1.58	108.00	0.00	110.00	-1.58
MAR	107.00	1.17	106.00	0.00	110.00	-4.17
APR	62.70	3.70	59.00	0.00	110.00	-51.00
MAY	29.50	5.75	23.80	0.00	65.00	-41.20
JUN	10.30	8.00	2.30	0.00	40.00	-37.70
JUL	4.24	10.60	-6.41	0.00	15.00	-21.40
AUG	2.68	8.81	-6.13	0.00	5.00	-11.10
SEP	1.89	5.84	-3.95	0.00	50.00	-53.90
OCT	2.28	2.03	0.25	0.00	80.00	-79.80
NOV	6.60	0.38	6.22	0.00	80.00	-73.80
DIEC	32.30	0.82	31.50	0.00	110.00	-78.50
ANN	54,800.00	3,020.00	52,600.00	0.00	53,300.00	15,200.00

Application:	G- 17537	continued
Application:	G-1/537	continue

Date: 03/08/2012 _____

Hydrograph



G 17537 Ginet

