M	IEMO						_	JANU	URY Z	7,20	005		
F	OROM UBJEC			(Revie	wer's Name)	333 All ference		ation					
	7	Yes  The source of appropriation is within or above a Scenic Waterway  No											
	Ye No	Use the Scenic Waterway condition (Condition 71)											
PR L	EPONI	At evi sur	this tin dence t face wa	ne the I that the	Departm propos	sea use	inable of gro mainta	to find ound wa	that the	ere is a	prepor	e)  inderance reduce of a sce	.1
Exe Wat	rcise of terway bace water	this per by the fer flow	rmit is controlled	calculate	ed to rec	luce mo	nthly f	owe in				checked) Scere by whi	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	1

## PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO:	Water Rights Section						Dat	e <u>Januar</u>	y 27, 200	5		
FROM	[:	Groun	nd Water/	Hydrology	Section_							
SUBJE	ECT:	Applie	cation G-	16333			ewer's Name persedes re	eview of	NA	Date of Re	eview(s)	
OAR 6 welfare to deter the pres	90-310-1 e, safety a emine who sumption NERAL	30 (1) 7 nd healt ether the criteria.	The Depart th as descr presumpt This revie	ibed in ORS ion is establ ew is based ON:  A	stresume the 537.525. ished. OAl upon ava	at a propos Department R 690-310- ilable infor	ed groundw t staff review 140 allows t mation and AD Inc.	v ground wat he proposed l agency pol	ensure the pre er applications use be modifie icies in place a	under OA d or condi at the time County:	IR 690-31 tioned to e of evalu	10-140 meet nation.
		Evans C	creek		7 ·	subb	asin Qu	ad Map: R	ogue River		i la	
A2. A3.	Proposed use: <u>Irrigation</u> Well and aquifer data (attach and number logs				Seas	sonality: <b>ig wells; ma</b>	April 1 – O	October 31 I wells as such	under log	gid):		
Well	Logid Applican		Applicant Well #	A	oposed quifer*	Propose Rate(cf	fs) (T	Location /R-S QQ-Q)	2250'	on, metes a N, 1200' E	fr NW con	r S 36
2	JACK 55470         1         bedroc           JACK 55471         2         bedroc			.04					6'N, 300' E fr SW cor S 27 6'N, 500' E fr SW cor S 27			
3 4	JACK 55511 3 Bedrock		.04	35S/04			48'N, 532' E fr SW cor S 27					
5												
	um, CRB,	Bedrock										
Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	1185	34	3	5/29/02	70	0-18	+2-38	0-70	60-70	61		A
3	1185 1185	33	5 7	5/29/02 6/6/02	75 75	0-18 0-18	+2-52 +2-38	0-75 0-75	65-75 65-75	46 41		A
Use data	a from app	lication f	or proposed	l wells.								
A4.	Commo	ents:										
A5. 🗌	manage (Not all	ement of l basin ru	iles contai	ater hydraul n such prov	ically connisions.)	nected to sur	rface water		o the developm			
A6. 🗌	Name o	of admin	istrative ar	ea:					er limited by a		rative res	triction.

Das	<b>red upon available data</b> , I have determined that <u>ground water</u> * for the proposed use:
a.	is over appropriated, ☐ is not over appropriated, or ☒ cannot be determined to be over appropriated during a 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.	$\square$ will not or $\square$ will likely to be available within the capacity of the ground water resource; or
d.	<ul> <li>will, if properly conditioned, avoid injury to existing ground water rights or to the ground water resource:</li> <li>i.  The permit should contain condition #(s) 7B, 7F</li> <li>ii.  The permit should be conditioned as indicated in item 2 below.</li> <li>iii.  The permit should contain special condition(s) as indicated in item 3 below;</li> </ul>
a.	Condition to allow ground water production from no deeper than ft. below land surface;
b.	Condition to allow ground water production from no shallower than ft. below land surface;
c.	Condition to allow ground water production only from the ground water reservoir between approximately ft. and ft. below land surface;
d.	<ul> <li>Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Grow Water Section.</li> <li>Describe injury —as related to water availability—that is likely to occur without well reconstruction (interference well).</li> </ul>
d.	Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likel occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Grow Water Section.
B3. of an enha wear sectri issue A sh 0.75 trans	<ul> <li>Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Grow Water Section.</li> <li>Describe injury —as related to water availability—that is likely to occur without well reconstruction (interference well).</li> </ul>
B3. of an enha wear sectri issue A sh 0.75 trans	Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likel occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Grow Water Section.  Describe injury—as related to water availability—that is likely to occur without well reconstruction (interference we senior water rights, not within the capacity of the resource, etc):  Ground water availability remarks: The site is underlain by intrusive diorite/granodiorite rocks with a variable thick in overlying weathered zone. The weathered zone provides a greater amount of potential groundwater storage and poss anced permeability. Site well logs indicate that the wells were completed to depth of 70-75 feet bgs in the partially thered zone. Wells in this area generally have relatively good yields, with many exceeding 20 gpm. Well depths in ion 27 range from 50-200 feet, with 5 wells greater than 200 feet. Watermaster Menteer reports no well interference es in this area.  Nort aquifer test was conducted in April 2001 in support of application G-15234 at well JACK 5359 located approxima of miles north of this application's 3 wells. Results of this aquifer test suggest the aquifer had ample storage and smissivity to support additional groundwater development without injury to other nearby users.  CK 5453 is located approximately ½ mile south of the subject wells. Seasonal water level fluctuations were approximated.

Date\_

Application G-\_\_\_\_\_continued

Well	A STANKE		Aquifer	or Proposed	Aquifer		C	onfined	U	Inconfined
1	Bedr									
2	Bedr									
3	Bedr	ock						Ш		$\boxtimes$
ne three	e subjec	ct wells. St	tatic wate	aluation: <u>For levels are vertices are vertices.</u>	Bedrock aquife vithin several bedrock.	feet of land	ea is weathered surface. The	ed to a depth ne relatively h	exceeding to nigh well yield	ds in the are
horizor assume	ntal dis	tance less t	han ¼ mi ally conne	ile from a sur	nd hydraulic of face water so urface water s	urce that pr	roduce water	from an unco	onfined aquife	er shall be eyond one m
Well	SW #	Su	ırface Wa	ater Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)		ulically ected? ASSUMED	Potential Subst. Into Assume YES
1	1	Evans C	reek		1182	1040	2950			
2	1	Evans C	reek		1180	1040	3150			
3	1	Evans C	reek		1178	1040	3150			
		1								
	1					1	1			
		-				-				
asis fo	r aqui	for hydrou	lic conn	oction avalu	ation: Evans	CP stage i	s significantl	U U	groundwater	alayations is
rea; Ev	ans Cr	is a local g	groundwa	ter discharge	ation: Evans	porting goo	od dry seasor	flows.	groundwater	elevations in
rea; Ev	ans Cr	is a local g	groundwa	ter discharge		porting goo	od dry seasor	flows.	groundwater	elevations in
Vater A 00-09-0 onnect re pertine require	Availal 040 (4) ed and nent to	bility Basin ): Evaluating that surface against	n the well ion of street a water street the 1% o	I(s) are loca eam impacts om a surface source, and n f 80% nature	location, sup	Evans Cr that has be Limit eval sources to very pertinent.	> Rogue Riven determine uation to instruction the streward water Availa	ver #70987  d or assumed tream rights a cam under ev bility Basin (	I to be <b>hydra</b> and minimum aluation is tri (WAB). If Q	ulically stream flow butary. Com is not distril
Vater A 00-09-0 onnect re pertine require	Availal 040 (4) ed and nent to ested ra use ful	bility Basin ): Evaluating that surface against ll rate for each	n the well ion of stre 1 mile fre water s the 1% o ach well.	I(s) are loca eam impacts om a surface source, and n f 80% nature Any checked	ted within: for each well water source. ot lower SW s al flow for the d \implies box indice	Evans Cr that has be Limit eval sources to very pertinent very cates the we	> Rogue Riven determine uation to instruction to the street Water Availa ell is assumed 80%	d or assumed tream rights a cam under ev bility Basin (d to have the Qw > 1%	I to be <b>hydra</b> and minimum aluation is tri WAB). If Q potential to c	ulically stream flow butary. Com is not distril ause PSI.
Vater A 00-09-0 onnect re pertine require	Availal 040 (4) ed and nent to ested ra use full	bility Basin  Evaluating that surface against ll rate for each well <	n the well ion of stree 1 mile free water s the 1% o ach well.	l(s) are loca eam impacts om a surface source, and n f 80% natura Any checked Instream Water	ted within: for each well water source. ot lower SW s al flow for the d \omega box indice Instream Water	Evans Cr that has be Limit eval sources to very pertinent very cates the we	> Rogue River Availa ell is assumed 80% Natural	d or assumed tream rights a sam under ev bility Basin (d to have the Qw > 1% of 80%	I to be hydrand minimum aluation is tri (WAB). If Q potential to c	ulically stream flow butary. Com is not distril ause PSI.  Potent for Su
Vater A 00-09-0 onnect re pertine reque y well,	Availal 040 (4) ed and nent to ested ra use ful	bility Basin ): Evaluating that surface against ll rate for each	n the well ion of stre 1 mile fre water s the 1% o ach well.	eam impacts om a surface source, and n f 80% nature Any checked Instream Water Right	ted within: for each well water source. ot lower SW s al flow for the d box indic  Instream Water Right Q	Evans Cr that has be Limit eval sources to very pertinent very cates the we	> Rogue River Availa ell is assumed 80% Natural Flow	d or assumed tream rights a cam under evibility Basin (d to have the Qw > 1% of 80% Natural	I to be <b>hydra</b> and minimum aluation is tri WAB). If Q potential to c	ulically stream flow butary. Com is not distril ause PSI.  Potent for Su Interf
Vater A 00-09-0 onnectore pertine requely well, Well	Availal 040 (4 ed and nent to ested ra use ful	bility Basin  Evaluating that surface against ll rate for each well <	n the well ion of stree 1 mile free water s the 1% o ach well.	eam impacts om a surface source, and n f 80% nature Any checked Instream Water Right ID	ted within: for each well water source. ot lower SW sal flow for the d box indic  Instream Water Right Q (cfs)	Evans Cr that has be Limit eval sources to v pertinent v cates the we	> Rogue River Availa ell is assumed 80% Natural Flow (cfs)	d or assumed tream rights a sam under ev bility Basin (d to have the Qw > 1% of 80%	I to be hydracand minimum aluation is tri (WAB). If Q potential to c Interference @ 30 days (%)	ulically stream flow butary. Com is not distril ause PSI.  Potent for Su
Vater A 00-09-0 onnectore pertine request well 1	Availal 040 (4 ed and nent to ested ra use ful  SW #	bility Basin  Evaluating that surface against ll rate for each well <	n the well ion of stree 1 mile free water s the 1% o ach well.	eam impacts om a surface source, and n f 80% natura Any checked Instream Water Right ID 70987a	ted within: for each well water source. ot lower SW sal flow for the d \omega box indic Instream Water Right Q (cfs) 18.6	Evans Cr that has be Limit eval sources to v pertinent v cates the we	> Rogue Riven determine uation to instantion to instantion the street water Availa ell is assumed 80% Natural Flow (cfs) 16.4	d or assumed tream rights a cam under evibility Basin (d to have the Qw > 1% of 80% Natural	I to be hydramand minimum aluation is tri (WAB). If Q potential to c  Interference @ 30 days (%)  17%*	ulically stream flow butary. Com is not distril ause PSI.  Potent for Su Interf
Vater A 00-09-0 onnect re pertine reque y well,  Well 1 2	Availal 040 (4) ed and nent to ested ra use ful  SW #	bility Basin  Evaluating that surface against ll rate for each well <	n the well ion of stree 1 mile free water s the 1% o ach well.	I(s) are loca eam impacts om a surface source, and n f 80% nature Any checker  Instream Water Right ID 70987a 70987a	ted within: for each well water source. ot lower SW sal flow for the d Sw indice Instream Water Right Q (cfs) 18.6 18.6	Evans Cr that has be Limit eval sources to v pertinent v cates the we	> Rogue River a determine uation to instantion to instantion the street water Availa ell is assumed 80% Natural Flow (cfs) 16.4 16.4	d or assumed tream rights a cam under evibility Basin (d to have the Qw > 1% of 80% Natural	I to be hydrand minimum aluation is tri (WAB). If Q potential to c  Interference @ 30 days (%)  17%* <17%	ulically stream flow butary. Com is not distril ause PSI.  Potent for Su Interf
Vater A 00-09-0 onnectore pertine request well 1	Availal 040 (4 ed and nent to ested ra use ful  SW #	bility Basin  Evaluating that surface against ll rate for each well <	n the well ion of stree 1 mile free water s the 1% o ach well.	eam impacts om a surface source, and n f 80% natura Any checked Instream Water Right ID 70987a	ted within: for each well water source. ot lower SW sal flow for the d \omega box indic Instream Water Right Q (cfs) 18.6	Evans Cr that has be Limit eval sources to v pertinent v cates the we	> Rogue Riven determine uation to instantion to instantion the street water Availa ell is assumed 80% Natural Flow (cfs) 16.4	d or assumed tream rights a cam under evibility Basin (d to have the Qw > 1% of 80% Natural	I to be hydramand minimum aluation is tri (WAB). If Q potential to c  Interference @ 30 days (%)  17%*	ulically stream flow butary. Com is not distril ause PSI.  Potent for Su Interf
Vater A 00-09-0 onnect re pertine reque y well,  Well 1 2	Availal 040 (4) ed and nent to ested ra use ful  SW #	bility Basin  Evaluating that surface against ll rate for each well <	n the well ion of stree 1 mile free water s the 1% o ach well.	I(s) are loca eam impacts om a surface source, and n f 80% nature Any checker  Instream Water Right ID 70987a 70987a	ted within: for each well water source. ot lower SW sal flow for the d Sw indice Instream Water Right Q (cfs) 18.6 18.6	Evans Cr that has be Limit eval sources to v pertinent v cates the we	> Rogue River a determine uation to instantion to instantion the street water Availa ell is assumed 80% Natural Flow (cfs) 16.4 16.4	d or assumed tream rights a cam under evibility Basin (d to have the Qw > 1% of 80% Natural	I to be hydrand minimum aluation is tri (WAB). If Q potential to c  Interference @ 30 days (%)  17%* <17%	ulically stream flow butary. Com is not distril ause PSI.  Potent for Su Interf
Vater A 00-09-0 onnect re pertine reque y well,  Well 1 2	Availal 040 (4) ed and nent to ested ra use ful  SW #	bility Basin  Evaluating that surface against ll rate for each well <	n the well ion of stree 1 mile free water s the 1% o ach well.	I(s) are loca eam impacts om a surface source, and n f 80% nature Any checker  Instream Water Right ID 70987a 70987a	ted within: for each well water source. ot lower SW sal flow for the d Sw indice Instream Water Right Q (cfs) 18.6 18.6	Evans Cr that has be Limit eval sources to v pertinent v cates the we	> Rogue River a determine uation to instantion to instantion the street water Availa ell is assumed 80% Natural Flow (cfs) 16.4 16.4	d or assumed tream rights a cam under evibility Basin (d to have the Qw > 1% of 80% Natural	I to be hydrand minimum aluation is tri (WAB). If Q potential to c  Interference @ 30 days (%)  17%* <17%	ulically stream flow butary. Com is not distril ause PSI.  Potent for Su Interf
Vater A 00-09-0 onnect re pertine reque y well,  Well 1 2	Availal 040 (4) ed and nent to ested ra use ful  SW #	bility Basin  Evaluating that surface against ll rate for each well <	n the well ion of stree 1 mile free water s the 1% o ach well.	I(s) are loca eam impacts om a surface source, and n f 80% nature Any checker  Instream Water Right ID 70987a 70987a	ted within: for each well water source. ot lower SW sal flow for the d Sw indice Instream Water Right Q (cfs) 18.6 18.6	Evans Cr that has be Limit eval sources to v pertinent v cates the we	> Rogue River a determine uation to instantion to instantion the street water Availa ell is assumed 80% Natural Flow (cfs) 16.4 16.4	d or assumed tream rights a cam under evibility Basin (d to have the Qw > 1% of 80% Natural	I to be hydrand minimum aluation is tri (WAB). If Q potential to c  Interference @ 30 days (%)  17%* <17%	ulically stream flow butary. Com is not distril ause PSI.  Poten for Su Interf

Version: 08/15/2003

Application G-\_\_\_\_continued

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

oplication G-	ion Gcontinued					D	ate		
8b. <b>690-09-040</b> <b>connected</b> a	<b>(4):</b> Evaluat	ion of str <b>1 mile</b> fro	eam impacts	water source	copriation for Complete	or all wells de	termined or a	assumed to be hy among wells. Oth	draulically nerwise same
SV #	v	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 (%)	Potential for Subst. Interfer. Assumed?
1			70987a	18.6		16.4		17%*	
Comments	* Used an	nalytical i	model of Hu	nt (1999) with	h several sir	mplifying assu	umptions of t	he model not be	ing met.

C4a. **690-09-040 (5):** Estimated impacts on **hydraulically connected surface water sources greater than one mile** as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

Non-Distributed												-
Well SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	%	%	%	%	%	%	%	%	%	%	%	9
Well Q as CFS												
Interference CFS												
Distributed Well	S											
Well SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS												
Interference CFS												
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS			-				-					
Interference CFS												
	%	%	%	%	%	%	%	%	%	%	%	9/
Well Q as CFS												
Interference CFS												
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS												
Interference CFS												
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS									4,			
Interference CFS												
(A) = Total Interf.												
(B) = 80 % Nat. Q		2										7
(C) = 1 % Nat. Q												
(D) = (A) > (C)			A	Ą		ŝ		A			N. Carlot	
$(E) = (A / B) \times 100$	%	%	%	%	%	%	%	%	%	%	%	%
A) = total interference	CEC	(D) XX/4	D 1 1 :	1 1	1 .000		OFG (C)	101 0	1 1	1.0	. 000	- 1

(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.

lication G	continued		Date	
Basis for impact eva	luation:			
1000 a				
			0"	
<u> </u>				
690-09-040 (5) (b) Rights Section.	The potential to impair or detr	imentally affect the public	c interest is to be deter	mined by the W
If properly condit	ioned, the surface water source(s)	can be adequately protected	I from interference, and/	or ground water
under this permit c	an be regulated if it is found to subs	stantially interfere with surf	face water:	
	rmit should contain condition #(s)_			
:	rmit should contain special conditi	an(a) as indicated in "Dame	ulra" halann	
ii. $\square$ The pe	rmit snould contain special conditi	on(s) as indicated in Rema	iiks below,	
ite will have some imp	act to flow (there is hydraulic conn	ection), no potential for sub	ostantial interference was	s found.
			2	
References Used: Be	aulieu, J.D, and PW Hughes, 1977	Bulletin 94 Land Use Ge	ology of Central Tackson	County Oregon
OOGAMI.	and a fit inglies, 17/1	. Danoun > 1 Dana Obe Oc	ology of College suckson	. County, Oregor
	Cherry, 1979. Groundwater. Prenti	ice Hall Englewood New	Jersey.	
iunt, B., 1999, Unstead	ly stream depletion from ground wa	iter pumping: Ground Wate	er, v. 3/, no.1, p. 98-102	

Applicat	tion Gcontinued Date	
D. WE	LL CONSTRUCTION, OAR 690-200	
D1.	Well #: Logid:	
D2.	THE WELL does not meet current well construction standards based upon:  a.  review of the well log;  b.  field inspection by report of CWRE  d. other: (specify)	
D3.	THE WELL construction deficiency:  a.	
D4.	THE WELL construction deficiency is described as follows:	
D 1.		
D5.	THE WELL  a. □ was, or □ was not constructed according to the standards in effect a original construction or most recent modification.  b. □ I don't know if it met standards at the time of construction.	at the time of
D6.	<b>Route to the Enforcement Section.</b> I recommend withholding issuance of the permit until evid is filed with the Department and approved by the Enforcement Section and the Ground Water Sec	
THIS S	SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL	
D7.	Well construction deficiency has been corrected by the following actions:	
		, 200
	(Enforcement Section Signature)	, 200
D8.	Route to Water Rights Section (attach well reconstruction logs to this page).	

Application G	continued
---------------	-----------

Date\_\_\_

WATER AVAILABILITY TABLE

Water Availability as of 1/27/2005 for

EVANS CR > ROGUE R - AT MOUTH

Watershed ID #: Time: 15:26

70987

Basin: ROGUE

Exceedance Level: 80

Date: 01/27/2005

Select an Item Number for More Details

70987

Item #	Watershed ID #	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	266	YES	YES	YES	YES	YES	YES	NO	NO	NO	YES	NO	YES	YES
2	31531008	NO	YES	YES	NO	YES	NO	YES						
3	31531001	NO	NO	NO	NO	YES	NO	YES						
4	31531002	NO	NO	NO	NO	YES	NO	YES						
5	31530801	NO	NO	NO	NO	YES	NO	YES						
6	268	NO	NO	NO	NO	YES	NO	YES						
7	70987	NO	YES											

## DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION Water Availability as of 1/27/2005 for

EVANS CR > ROGUE R - AT MOUTH

Watershed ID #:

Basin: ROGUE

Exceedance Level: 80

Time: 15:26

Date: 01/27/2005

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	CU + Stor After 1/1/93	Expected Stream Flow	Reserved Stream Flow	Instream Water Rights	Net Water Available
1	137.00	0.82	0.68	136.00	0.00	170.00	-34.50
2	268.00	0.88	1.12	266.00	0.00	170.00	96.00
3	200.00	0.70	0.70	199.00	0.00	170.00	28.60
4	153.00	2.67	0.03	150.00	0.00	170.00	-19.70
5	83.10	4.14	0.00	79.00	0.00	105.00	-26.00
6	42.00	5.75	0.00	36.20	0.00	62.10	-25.90
7	23.20	7.64	0.00	15.60	0.00	31.00	-15.40
8	17.60	6.33	0.00	11.30	0.00	20.70	-9.43
9	16.40	4.21	0.00	12.20	0.00	75.00	-62.80
10	20.90	1.49	0.00	19.40	0.00	150.00	-131.00
11	31.40	0.34	0.00	31.10	0.00	150.00	-119.00
12	88.80	0.56	0.21	88.00	0.00	170.00	-82.00
Stor	124000	2150	162	122000	0	86900	51800

DETAILED REPORT OF INSTREAM REQUIREMENTS

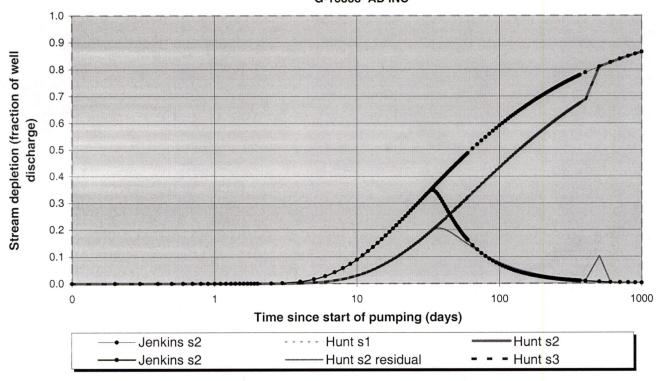
Water Availability as of 1/27/2005 for

EVANS CR > ROGUE R - AT MOUTH

Watershed ID #: 70987 Basin: ROGUE Exceedance Level: 80 Date: 01/27/2005 Time: 15:26

1				ISWRs-				
APP #	254A	70987A	0	0	0	0	0	MAXIMUM
Status	Cert.	Cert.						
1	100.00	170.00	0.00	0.00	0.00	0.00	0.00	170.00
2	100.00	170.00	0.00	0.00	0.00	0.00	0.00	170.00
3	100.00	170.00	0.00	0.00	0.00	0.00	0.00	170.00
4	100.00	170.00	0.00	0.00	0.00	0.00	0.00	170.00
5	80.00	105.00	0.00	0.00	0.00	0.00	0.00	105.00
6	60.00	62.10	0.00	0.00	0.00	0.00	0.00	62.10
7	20.00	31.00	0.00	0.00	0.00	0.00	0.00	31.00
8	15.00	20.70	0.00	0.00	0.00	0.00	0.00	20.70
9	75.00	18.60	0.00	0.00	0.00	0.00	0.00	75.00
10	150.00	28.10	0.00	0.00	0.00	0.00	0.00	150.00
11	150.00	74.00	0.00	0.00	0.00	0.00	0.00	150.00
12	150.00	170.00	0.00	0.00	0.00	0.00	0.00	170.00

## Transient Stream Depletion (Jenkins, 1970; Hunt, 1999) G-16333 AD INC



Output for Hunt Stream Depletion, Scenerio 2 (s2):

Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.1749	0.1460	0.0898	0.0618	0.0457	0.0356	0.0287	0.0238	0.0201	0.0173	0.0151	0.0133
Qw, cfs	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121	0.121
H SD s2, cfs	0.021	0.018	0.011	0.007	0.006	0.004	0.003	0.003	0.002	0.002	0.002	0.002

Parameters:		Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	0.121	0.121	0.121	cfs
Distance to stream	а	2950	2950	2950	ft
Aquifer hydraulic conductivity	K	25	25	25	ft/day
Aquifer thickness	b	60	60	60	ft
Aquifer transmissivity	Т	1500	1500	1500	ft*ft/day
Aquifer storage coefficient	S	0.01	0.01	0.01	
Stream width	ws	40	40	40	ft
Streambed hydraulic conductivity	Ks	0.1	0.1	0.1	ft/day
Streambed thickness	bs	2	2	2	ft
Streambed conductance	sbc	2	2	2	ft/day
Stream depletion factor (Jenkins)	sdf	58.01666667	58.01666667	58.01666667	days
Streambed factor (Hunt)	sbf	3.933333333	3.933333333	3.9333333333	

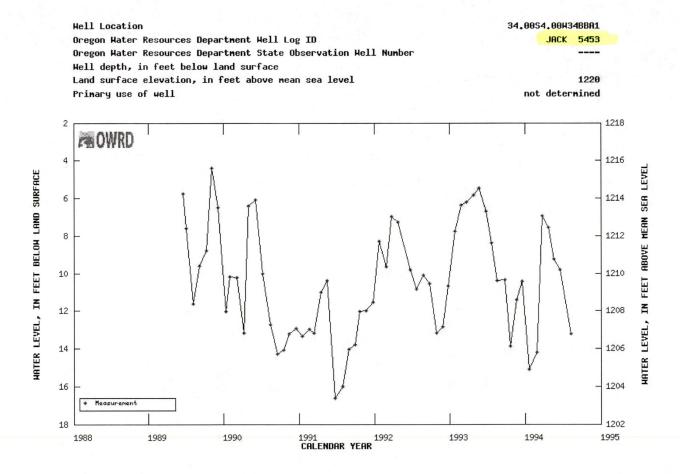


Table showing water-level data for State Well JACK 5453

## G-16333 AD INC. 35S/04W-27CC

**ROGUE RIVER QUAD 1:24,000** 

