

**PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS**

TO: Water Rights Section Date July 26, 2004  
 FROM: Ground Water/Hydrology Section Michael Zwart  
Reviewer's Name  
 SUBJECT: Application G- 16233 Supersedes review of N/A  
Date of Review(s)

**PUBLIC INTEREST PRESUMPTION; GROUNDWATER**

**OAD 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.**

**A. GENERAL INFORMATION:** Applicant's Name: Ron & Carol Vergeer County: Wasco

A1. Applicant(s) seek(s) 0.557 cfs from one well(s) in the Hood Basin,  
 \_\_\_\_\_ subbasin Quad Map: The Dalles South

A2. Proposed use: Irrigation, 40.0 ac. (P) Seasonality: March 1 to October 31

A3. Well and aquifer data (attach and number logs for existing wells; mark proposed wells as such under logid):

Well	Logid	Applicant's Well #	Proposed Aquifer*	Proposed Rate(cfs)	Location (T/R-S QQ-Q)	Location, metes and bounds, e.g. 2250' N, 1200' E fr NW cor S 36
1	WASC 1903	1	Bedrock	0.557	1N/13E-7 NE-NW	200' S, 1820' E fr NW cor S 7
2						
3						
4						
5						

\* Alluvium, 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	1270	345	315	4/29/91	400	0-25	0-119	120-400	340-400	30	85	A

Use data from application for proposed wells.

A4. Comments: Drawdown estimated from air test. Well produces considerably less than the requested rate.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

A5.  Provisions of the Hood Basin rules relative to the development, classification and/or management of ground water hydraulically connected to surface water  are, or  are not, activated by this application. (Not all basin rules contain such provisions.)  
 Comments: \_\_\_\_\_  
 \_\_\_\_\_

A6.  Well(s) # \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, tap(s) an aquifer limited by an administrative restriction.  
 Name of administrative area: \_\_\_\_\_  
 Comments: \_\_\_\_\_

*app no. G-16233*



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

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

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
	Sandstone of the Dalles Formation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

**Basis for aquifer confinement evaluation:** The SWL in this and other nearby wells are above the depth that ground water was first encountered in the well bore.

**C2. 690-09-040 (2) (3): Evaluation of distance to, and hydraulic connection with, surface water sources. All wells located a horizontal distance less than ¼ mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source. Include in this table any streams located beyond one mile that are evaluated for PSI.**

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected?			Potential for Subst. Interfer. Assumed?	
						YES	NO	ASSUMED	YES	NO
1	1	Unnamed trib to Mill Cr. (E)	955	1160	800	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1	2	Unnamed trib to Mill Cr. (S)	955	960	1400	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1	3	Mill Creek	955	320	5600	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Basis for aquifer hydraulic connection evaluation:** Mill Creek is incised deeply, which exposes the water bearing zone of the well within the bed and canyon. The nearby reaches of the tributaries are at elevations above the water bearing zone.

**Water Availability Basin the well(s) are located within:** Mill Cr > Columbia R at mouth (70246).

**C3a. 690-09-040 (4): Evaluation of stream impacts for each well that has been determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. Compare the requested rate against the 1% of 80% natural flow for the pertinent Water Availability Basin (WAB). If Q is not distributed by well, use full rate for each well. Any checked  box indicates the well is assumed to have the potential to cause PSI.**

Well	SW #	Well < ¼ mile?	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?
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

C3b. 690-09-040 (4): Evaluation of stream impacts by total appropriation for all wells determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Complete only if Q is distributed among wells. Otherwise same evaluation and limitations apply as in C3a above.

	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 (%)	Potential for Subst. Interfer. Assumed?
		<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

Comments: This section does not apply.

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 Wells													
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3	14.5%	12.8%	9.2%	14.0%	17.5%	20.3%	22.6%	24.6%	26.4%	28.0%	20.2%	16.7%
Well Q as CFS				0.252	0.252	0.252	0.252	0.252	0.252	0.252	0.252		
Interference CFS		0.036	0.032	0.023	0.035	0.044	0.051	0.057	0.062	0.067	0.071	0.051	0.042
Distributed Wells													
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													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
(A) = Total Interf.		0.036	0.032	0.023	0.035	0.044	0.051	0.057	0.062	0.067	0.071	0.051	0.042
(B) = 80 % Nat. Q		12.8	27.4	30.5	32.5	19.9	10.2	10.1	9.07	8.41	7.23	8.39	10.1
(C) = 1 % Nat. Q		0.128	0.274	0.305	0.325	0.199	0.102	0.101	0.091	0.084	0.072	0.084	0.101
(D) = (A) > (C)													
(E) = (A / B) x 100		0.28%	0.12%	0.08%	0.11%	0.22%	0.5%	0.56%	0.68%	0.8%	0.98%	0.61%	0.42%



**D. WELL CONSTRUCTION, OAR 690-200**

D1. Well #: 1 Logid: WASC 1903

D2. THE WELL does not meet current well construction standards based upon:

- a.  review of the well log;
- b.  field inspection by \_\_\_\_\_;
- c.  report of CWRE \_\_\_\_\_;
- d.  other: (specify) \_\_\_\_\_

D3. THE WELL construction deficiency:

- a.  constitutes a health threat under Division 200 rules;
- b.  commingles water from more than one ground water reservoir;
- c.  permits the loss of artesian head;
- d.  permits the de-watering of one or more ground water reservoirs;
- e.  other: (specify) \_\_\_\_\_

D4. THE WELL construction deficiency is described as follows: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

D5. THE WELL a.  was, or  was not constructed according to the standards in effect at the time of original construction or most recent modification.

b.  I don't know if it met standards at the time of construction.

D6.  Route to the Enforcement Section. I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Enforcement Section and the Ground Water Section.

**THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL**

D7.  Well construction deficiency has been corrected by the following actions: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_, 200\_\_\_\_\_  
(Enforcement Section Signature)

D8.  Route to Water Rights Section (attach well reconstruction logs to this page).



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

1775 MINE  
(LYLE)

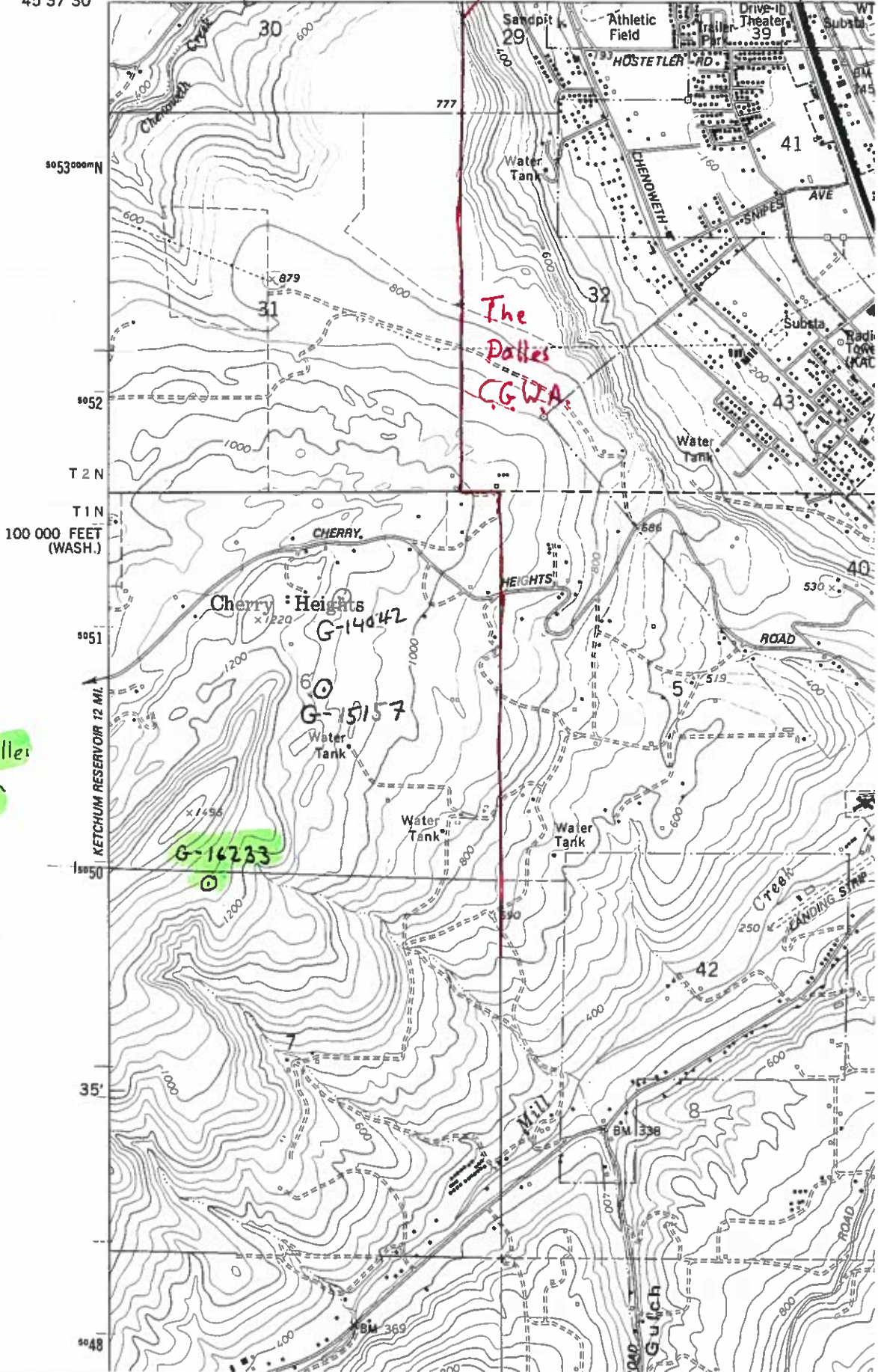
121°15'  
45°37'30"

R 13 E 1 810 000 FEET (WASH.)

938 000m E

PORTLAND 82 MI.  
HOOD RIVER (OREG. 35) 20 MI.

12'



The Dalles  
South

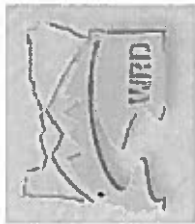
G-14233

G-14042

G-15157

The Dalles  
CGWA





# Water Availability for WID 70246

## WATER AVAILABILITY TABLE

Water Availability as of 7/26/2004 for  
MILL CR > COLUMBIA R - AT MOUTH  
Basin: HOOD

Watershed ID #: 70246 Exceedance Level: 80  
Time: 12:03 Date: 07/26/2004

Select an Item Number for More Details

Item #	Watershed ID #	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	70246	NO	NO	NO	YES	NO	NO	NO	NO	NO	YES	NO	NO	YES

## STREAM NAMES

Water Availability as of 7/26/2004 for  
MILL CR > COLUMBIA R - AT MOUTH  
Basin: HOOD

Watershed ID #: 70246 Exceedance Level: 80  
Time: 12:03 Date: 07/26/2004

Item Watershed ID Stream Name

1	70246	MILL CR > COLUMBIA R - AT MOUTH
---	-------	---------------------------------

## LIMITING WATERSHEDS

Water Availability as of 7/26/2004 for  
MILL CR > COLUMBIA R - AT MOUTH  
Basin: HOOD

Watershed ID #: 70246 Exceedance Level: 80  
Time: 12:03 Date: 07/26/2004

Mnth	Limiting Watershed	Stream Name	Water Avail?	Net Available
1	70246	MILL CR > COLUMBIA R - AT MOUTH	NO	-7.6
2	70246	MILL CR > COLUMBIA R - AT MOUTH	NO	-3.9
3	70246	MILL CR > COLUMBIA R - AT MOUTH	NO	-0.7
4	70246	MILL CR > COLUMBIA R - AT MOUTH	YES	5.3
5	70246	MILL CR > COLUMBIA R - AT MOUTH	NO	-3.3
6	70246	MILL CR > COLUMBIA R - AT MOUTH	NO	-12.0
7	70246	MILL CR > COLUMBIA R - AT MOUTH	NO	-3.3
8	70246	MILL CR > COLUMBIA R - AT MOUTH	NO	-3.4
9	70246	MILL CR > COLUMBIA R - AT MOUTH	YES	1.9

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10	70246	MILL CR > COLUMBIA R - AT MOUTH	YES	1.6
11	70246	MILL CR > COLUMBIA R - AT MOUTH	NO	-7.8
12	70246	MILL CR > COLUMBIA R - AT MOUTH	NO	-6.3
Stor	70246	MILL CR > COLUMBIA R - AT MOUTH	YES	5670.0

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION

Water Availability as of 7/26/2004 for

MILL CR > COLUMBIA R - AT MOUTH

Watershed ID #: 70246

Exceedance Level: 80

Time: 12:03

Basin: HOOD

Date: 07/26/2004

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	12.80	1.97	3.41	7.42	0.00	15.00	-7.58
2	27.40	3.81	12.50	11.10	0.00	15.00	-3.87
3	30.50	4.02	12.20	14.30	0.00	15.00	-0.71
4	32.50	5.24	6.93	20.30	0.00	15.00	5.33
5	19.90	8.16	0.00	11.70	0.00	15.00	-3.26
6	10.20	7.16	0.00	3.04	0.00	15.00	-12.00
7	10.10	3.36	0.00	6.74	0.00	10.00	-3.26
8	9.07	2.50	0.00	6.57	0.00	10.00	-3.43
9	8.41	2.47	0.00	5.94	0.00	4.00	1.94
10	7.23	1.06	0.58	5.59	0.00	4.00	1.59
11	8.39	1.15	0.00	7.24	0.00	15.00	-7.76
12	10.10	1.44	0.00	8.66	0.00	15.00	-6.34
Stor	18300	2550	2110	13600	0	8920	5670

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES

Water Availability as of 7/26/2004 for

MILL CR > COLUMBIA R - AT MOUTH

Watershed ID #: 70246

Exceedance Level: 80

Time: 12:03

Basin: HOOD

Date: 07/26/2004

Mo	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1	4.76	0.00	0.60	0.00	0.00	0.01	0.00	0.00	5.38
2	15.70	0.00	0.60	0.00	0.00	0.01	0.00	0.00	16.30
3	15.60	0.00	0.60	0.00	0.00	0.01	0.00	0.00	16.20
4	9.30	2.26	0.60	0.00	0.00	0.01	0.00	0.00	12.20
5	1.33	6.21	0.60	0.00	0.00	0.01	0.00	0.00	8.16

6	0.81	5.14	1.20	0.00	0.01	0.00	0.00	7.16
7	0.66	1.48	1.20	0.00	0.01	0.00	0.00	3.36
8	0.56	0.72	1.20	0.00	0.01	0.00	0.00	2.50
9	0.51	0.75	1.20	0.00	0.01	0.00	0.00	2.47
10	1.02	0.00	0.60	0.00	0.01	0.00	0.00	1.64
11	0.54	0.00	0.60	0.00	0.01	0.00	0.00	1.15
12	0.83	0.00	0.60	0.00	0.01	0.00	0.00	1.44

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE  
 Water Availability as of 7/26/2004 for

MILL CR > COLUMBIA R - AT MOUTH

Watershed ID #: 70246 Basin: HOOD Exceedance Level: 80  
 Time: 12:03 Date: 07/26/2004

APP #	Reservations							TOTAL
	0	0	0	0	0	0	0	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DETAILED REPORT OF INSTREAM REQUIREMENTS

Water Availability as of 7/26/2004 for

MILL CR > COLUMBIA R - AT MOUTH

Watershed ID #: 70246 Basin: HOOD Exceedance Level: 80  
 Time: 12:03 Date: 07/26/2004

APP #	ISWRs							MAXIMUM
	0	0	0	0	0	0	0	
194A	0	0	0	0	0	0	0	MAXIMUM
Cert.	Cert.							

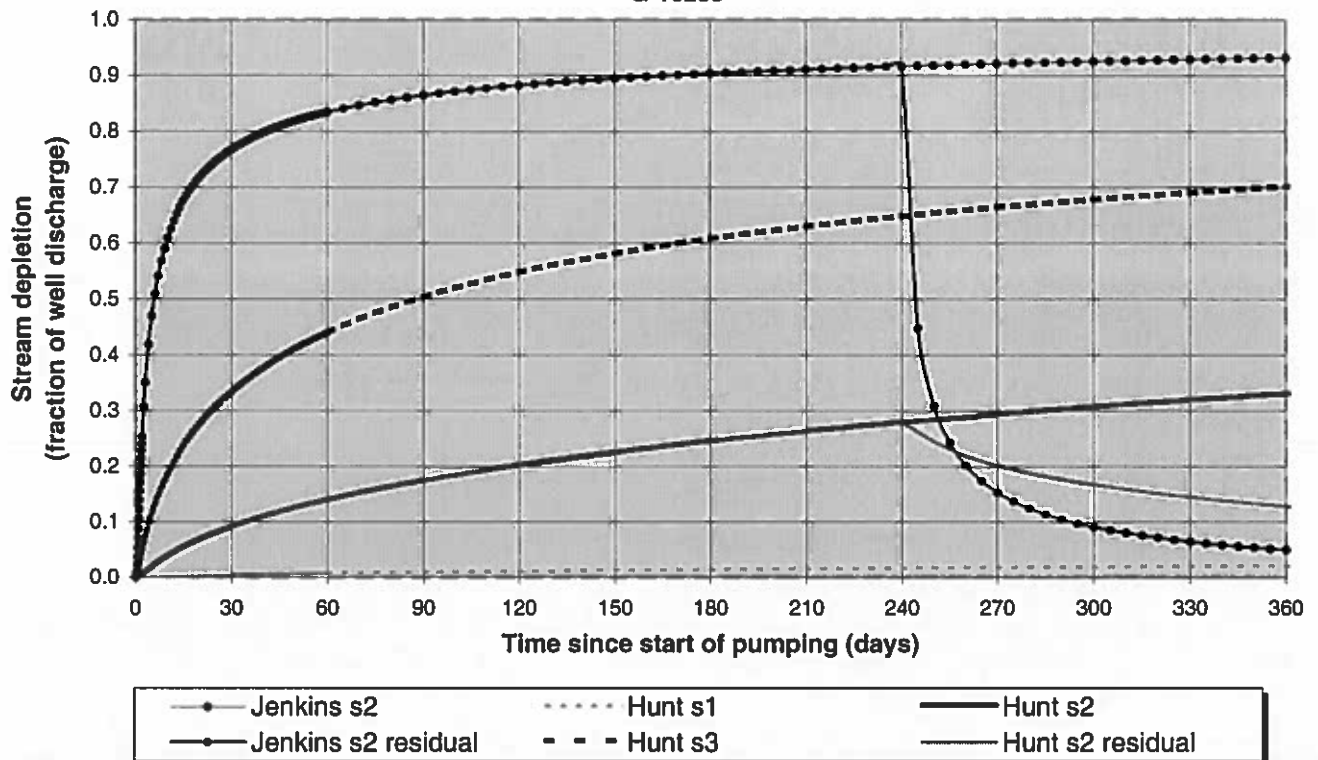
1	15.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
2	15.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
3	15.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
4	15.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
5	15.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
6	15.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
7	10.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00
8	10.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00
9	4.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00
10	4.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00
11	15.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00
12	15.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00

*Paul R. Cleary, Director*

*Oregon Water Resources Department • 158 12th ST. NE • Salem, OR 97310 • Phone: (503)378-8455 • Fax: (503)378-2496*

## Transient Stream Depletion (Jenkins, 1970; Hunt, 1999)

G-16233



**Output for Hunt Stream Depletion, Scenerio 2 (s2):      Time pump on = 240 days**

Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.092	0.140	0.175	0.203	0.226	0.246	0.264	0.280	0.202	0.167	0.145	0.128
Qw, cfs	0.252	0.252	0.252	0.252	0.252	0.252	0.252	0.252	0.252	0.252	0.252	0.252
H SD s2, cfs	0.023	0.035	0.044	0.051	0.057	0.062	0.067	0.071	0.051	0.042	0.036	0.032

**Parameters:**

		Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	0.252	0.252	0.252	cfs
Distance to stream	a	5600	5600	5600	ft
Aquifer hydraulic conductivity	K	50	20	50	ft/day
Aquifer thickness	b	1500	1500	1500	ft
Aquifer transmissivity	T	75000	30000	75000	ft*ft/day
Aquifer storage coefficient	S	0.005	0.005	0.005	
Stream width	ws	20	20	20	ft
Streambed hydraulic conductivity	Ks	0.01	0.15	1	ft/day
Streambed thickness	bs	5	5	5	ft
Streambed conductance	sbc	0.04	0.6	4	ft/day
Stream depletion factor (Jenkins)	sdf	2.090666667	5.226666667	2.090666667	days
Streambed factor (Hunt)	sbf	0.002986667	0.112	0.298666667	



WELL LOGS WITHIN 1 MILE OF APPLICATION G 16233

ABANDON: 5  
 RECONDITIONED: 19  
 REPAIRED: 6  
 CONVERSION: 0  
 DEEPENINGS: 33  
 NEW CONSTRUCT: 340

COMMUNITY USE: 0  
 DOMESTIC USE: 343  
 INDUSTRIAL USE: 2  
 INJECTION USE: 2  
 IRRIGATION USE: 81  
 THERMAL USE: 2  
 LIVESTOCK USE: 4

\*\*\*\*\*

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 16233

\$RECNO	APPLICATION	PERMIT	CLAIM	LOC-QQ	USE_CODE
1	U	162	U 156	0 2.00N12.00E36NWSE	IR
1	G	2232	G 2055	0 2.00N12.00E36NWSE	IR
2	U	73	U 64	0 2.00N13.00E32SESE	IR
3	G	3226	G 2924	0 2.00N13.00E31SWSW	IR
4	G	15466	G 15142	0 1.00N12.00E 1SWNW	IR
5	G	9790	G 8960	0 1.00N12.00E 1SENE	IR
5	G	11715	G 10847	0 1.00N12.00E 1SENE	IR
5	G	11715	G 10847	0 1.00N12.00E 1SENE	IR
6	G	3607	G 3393	0 1.00N12.00E12NWSW	IR
7	U	603	U 553	0 1.00N12.00E13NWSW	IR
7	U	734	U 662	0 1.00N12.00E13NWSW	IR
7	G	1457	G 1367	0 1.00N12.00E13NWSW	IR
7		0	0	0 1.00N12.00E13NWSW	DO
7		0	0	0 1.00N12.00E13NWSW	IR
7		0	0	0 1.00N12.00E13NWSW	LV
7		0	0	0 1.00N12.00E13NWSW	DS
7		0	0	0 1.00N12.00E13NWSW	IR
8	G	170	G 486	0 1.00N12.00E13SWSE	IR
9	G	3226	G 2924	0 1.00N13.00E 6NWNW	IR
9	G	6556	G 6159	0 1.00N13.00E 6NWNW	IS
10	G	8922	G 8396	0 1.00N13.00E 6NWNW	IR
10	G	8922	G 8396	0 1.00N13.00E 6NWNW	IR
11	G	9555	G 8900	0 1.00N13.00E 5NWNW	GD
12	U	64	U 56	0 1.00N13.00E 4NWNW	IR
13	G	11485	G 10616	0 1.00N13.00E 6SENW	IR
14	G	12906	G 11901	0 1.00N13.00E 6SWNE	IR
14	G	12906	G 11901	0 1.00N13.00E 6SWNE	IR
14	G	14042	G 12802	0 1.00N13.00E 6SWNE	IC
15	U	184	U 267	0 1.00N13.00E 5SWNE	IR
16	G	7	G 8498	0 1.00N13.00E 4SWNW	IR
17	G	10653	G 9757	0 1.00N13.00E 6NESW	IR
18	G	15157	G 14991	0 1.00N13.00E 6NWSE	IS
18	G	15157	G 14991	0 1.00N13.00E 6NWSE	IR
19	G	16233	0	0 1.00N13.00E 7NENW	IR
20	U	242	U 217	0 1.00N13.00E17NENW	IR
21	U	529	U 480	0 1.00N13.00E18NWSW	IR
21	U	610	U 558	0 1.00N13.00E18NWSW	IS

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CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 16233

app no. G-16233

\$RECNO	APPLICATION	PERMIT	LOC-QQ	CONDITION-CODE
1	G	13570	G 12411	2.00N12.00E17NWNW 7BG
1	G	13570	G 12411	2.00N12.00E17NWNW 7BR
1	G	13570	G 12411	2.00N12.00E17NWNW 7DG
1	G	13570	G 12411	2.00N12.00E17NWNW 7DR
1	G	13570	G 12411	2.00N12.00E17NWNW 7BG
1	G	13570	G 12411	2.00N12.00E17NWNW 7BR
1	G	13570	G 12411	2.00N12.00E17NWNW 7DG
1	G	13570	G 12411	2.00N12.00E17NWNW 7DR

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APPLICATION G 16233 FALLS WITHIN THESE QUAD(S)

THE DALLES SOUTH

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The following OWRD Groundwater Management Areas are within the map extent:

\$RECNO	NAME1	NAME2	SUB-AREA	STATUS
1	THE DALLES			CRIT
2	THE DALLES	THREEMILE RESERVOIR		CRIT

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