

Name G-15887
 By ROBERT ORLOWSKI
 Address CITY OF BANKS
 100 S MAIN ST
 BANKS OR 97106

Application No. G-15887
 Permit No. G-16312
 Certificate No. 95849

Stream Index, Page No.

Date filed
 Priority
 Action suspended until C28

Return to applicant
 Date of approval

CONSTRUCTION

Date for beginning
 Date for completion
 Extended to
 Date for application of water 4-28-2028
 Extended to

PROSECUTION OF WORK

Form "A" filed
 Form "B" filed
 Form "C" filed

FINAL PROOF

Blank mailed
 Proof received
 Date certificate issued 8/6/2021

FEE PAID

Date	Amount	Receipt No.
12/5/02	400.00	57276
4-15-04	10.00	66633
4/14/08	300.00	92121
4-2-2021	200.00	134873
	Cert. Fee	

FEE REFUNDED

Date	Amount	Check No.

ASSIGNMENTS

Date	To Whom	Address	Volume	Page

REMARKS

11-27-06

Colm Moore
Schroeder Law Offices

(503) 281-4100

- working for City of Banks

9-15887 | 10-11-04
Tom ~~Michalek~~ Michalek
LDC Design Group
will submit response
to KL's 9-14-04 cert. letter.

~~DARRIN GELBERT
LDC Design Group
903-858-4242
FAX 503-645-5500~~


LDC Design serve
as city engineer

12-6-05
Mike Lyda
Mayor

FAX

503-324-6674

Jolynn


3300 NW 211th Terrace
Hillsboro, OR 97124

Water Rights Section
Attn: Roger Wright
Water Resource Dept.
Commerce Bldg.
158 12th Street NE
Salem, OR 97301-4172


Tim Grossnickle
Public Works Superintendent
City of Banks
100 S. Main Street
Banks, OR 97106
Desk: 503-324-5112
Cellular: 503-312-7910
Pager: 503-441-0174
Fax: 503-324-6674
email: publicworks
@cityofbanks.org

Justin Iverson
Golden & Assoc.
503-607-1820

8-07

RA Mailing List for Certificate

Scheduled Mailing Date:

Application: G-15887

Permit: G-16312

Certificate: 95849

Copies Mailed	
by:	<u>TM</u> (STAFF)
on:	<u>8/6/2021</u> (DATE)

Water Right Holder:

CITY OF BANKS
13680 NW MAIN STREET
BANKS, OR 97106

Copies of Final Certificate to be sent to:

1. Watermaster District 18 (include copy of map)
2. Water Availability
3. Vault
4. File

Is the Permit Holder(s) of record currently identified as a landowner of any tax lots involved as confirmed by the County records?

N/A – MUNICIPAL

Other persons to receive copies: (include map):

1. Robert Long, CwM-H2O, CWRE, 1319 SE MLK Jr Blvd, Suite #204, Portland OR 97214
2. Tualatin Valley Irrigation District, 2330 Elm Street, Forest Grove, OR 97116
3. Kerri Cope, OWRD - WMCP



Oregon

Kate Brown, Governor

Water Resources Department

North Mall Office Building
725 Summer St NE, Ste A
Salem, OR 97301
Phone: 503-986-0900
Fax: 503-986-0904
www.Oregon.gov/OWRD

DATE MAILED: AUG 06 2021

NOTICE OF CERTIFICATE ISSUANCE

The attached certificate confirms the water right established under the terms of a permit issued by this Department: The water right is now appurtenant to the specific place where the use was established as described by the certificate. The water right is limited to a specific amount of water, but not more than can be beneficially used for the purposes stated within the certificate.

The certificate is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

Oregon law does not allow the Director to reissue a certificate because of a change in the ownership of the appurtenant place of use. The water must be controlled and not wasted. To change the location of the point of diversion, the character of use, or the location of use requires the advance approval of the Water Resources Director.

If any portion of this water right is not used for five or more consecutive years that portion of the right may be subject to forfeiture according to ORS 540.610. Land enrolled in-a Federal Reserve Program is not subject to forfeiture during the period of enrollment. Other exceptions to forfeiture are explained in ORS 540.610.

If you have any questions please contact Gerry Clark at 503-986-0811.



STATE OF OREGON
COUNTY OF WASHINGTON
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

CITY OF BANKS
13680 NW MAIN ST
BANKS OR 97106

confirms the right to the use of water perfected under the terms of Permit G-16312. The amount of water used to which this right is entitled is limited to the amount used beneficially, and shall not exceed the amount specified, or its equivalent in the case of rotation, measured at the point of diversion from the source. The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15887

SOURCE OF WATER: WELL 2 (WASH 62373) IN WEST FORK DAIRY CREEK BASIN

PURPOSE OR USE: MUNICIPAL USE

MAXIMUM RATE: 1.0 CUBIC FOOT PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: DECEMBER 5, 2002

WELL LOCATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
2 N	3 W	WM	31	NE NW	WELL 2 (WASH 62373) - 120 FEET SOUTH AND 2070 FEET EAST FROM NW CORNER, SECTION 31

THE PLACE OF USE IS LOCATED AS FOLLOWS:

WITHIN THE SERVICE BOUNDARY OF THE CITY OF BANKS

Measurement, recording and reporting conditions:

- A. The water user shall maintain the totalizing flow meter or other suitable measuring device approved by the Director in good working order at each point of appropriation. The water user shall keep a complete record of the amount of water used each month, and shall submit an annual report which includes the recorded water use measurements to the Department by December 1 of each year. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.

NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

- B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
- (1) Use of water from the well, as allowed herein, shall be controlled or shut off if the well displays:
- (a) An average water level decline of three or more feet per year for five consecutive years; or
 - (b) A total water level decline of fifteen or more feet; or
 - (c) A hydraulic interference decline of fifteen or more feet in any neighboring well providing water for senior exempt uses or wells covered by prior rights.
- (2) The water user shall be responsible for complying with each of the following requirements for measuring water levels in the well.
- (a) A water level measurement shall be made each year during the period March 1 through March 31.
 - (b) All water level measurements shall be made by a qualified individual. Qualified individuals are certified water rights examiners, registered geologists, registered professional engineers, licensed land surveyors, licensed water well constructor, licensed pump installer, or the water user/appropriator.
 - (c) Any qualified individual measuring a well shall use standard methods of procedure and equipment designed for the purpose of well measurement. The equipment used shall be well suited to the conditions of construction at the well. A list of standard methods of procedure and suitable equipment shall be available from the Department.
 - (d) The water user shall submit a record of the measurement to the Department on a form available from the Department. The record of measurement shall include both measurements and calculations, shall include a certification as to their accuracy signed by the individual making the measurements, and shall be submitted to the Department within 90 days from the date of measurement. The Department shall determine when any of the declines cited in section (1) are evidenced by the well measurement required in section (2).

Failure to comply with any of the provisions of this right may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the right.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this right, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The well(s) shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine the water level elevation in the well at all times.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

The Director may require water level or pump test results every ten years.

This right is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

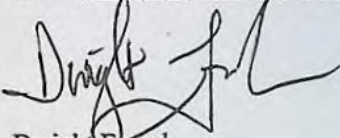
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

This right does not allow unauthorized inundation of property not under the ownership of the water user.

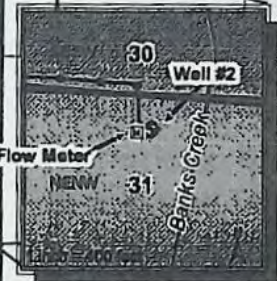
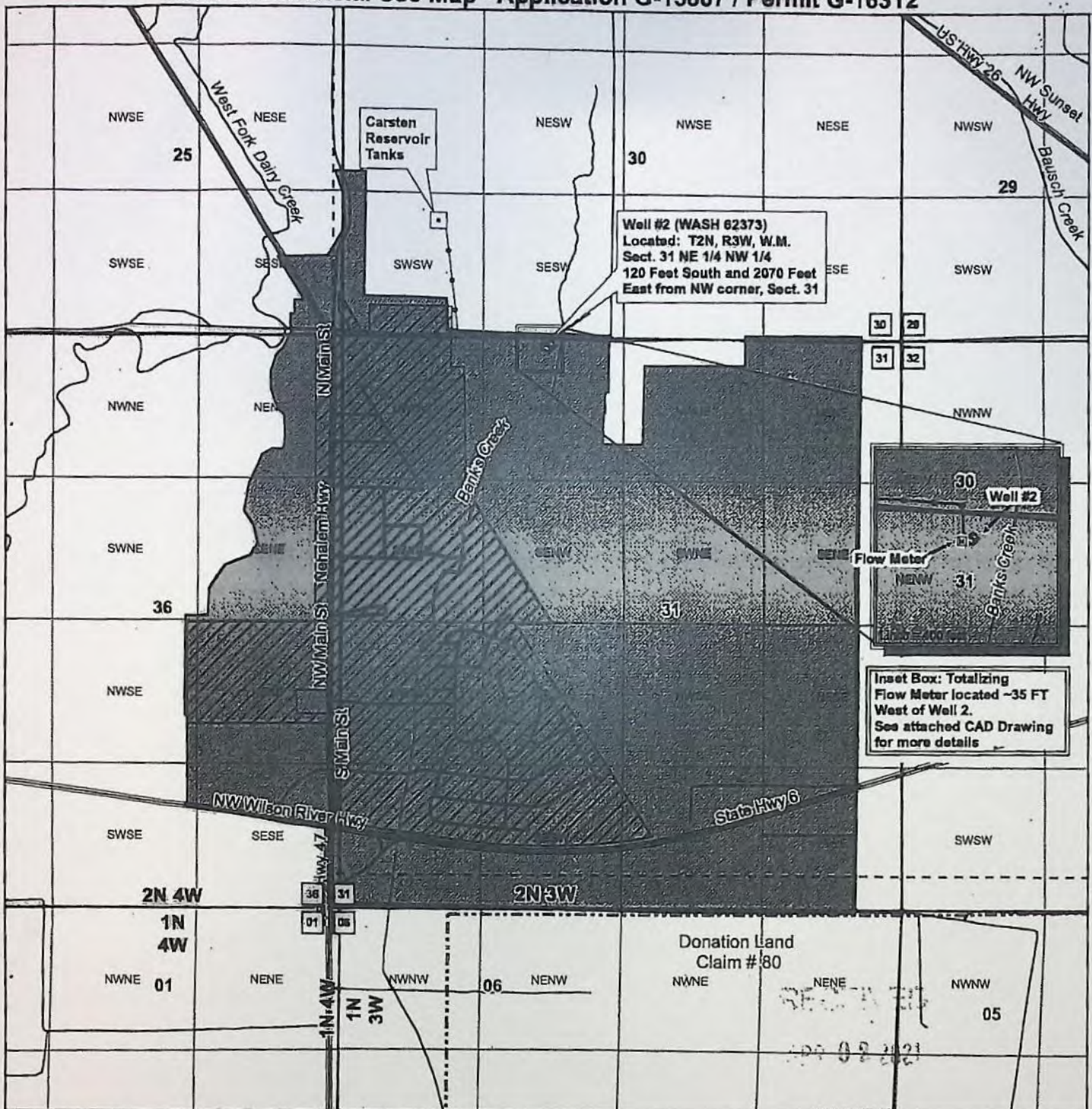
The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described; however, water may be applied to lands which are not specifically described above, provided the holder of this right complies with ORS 540.510(3).

Issued AUG 06 2021



Dwight French
Water Right Services Division Administrator, for
Thomas M. Byler, Director
Oregon Water Resources Department

Claim of Beneficial Use Map - Application G-15887 / Permit G-16312



Inset Box: Totalizing Flow Meter located ~35 FT West of Well 2. See attached CAD Drawing for more details

City of Banks-Well 2 (WASH 62373)
 Lat: 45.6214, Long: -123.10655
 Application: G-15887
 Permit: G-16312

T. 2N., R. 3W. W.M. Sect. 30, 31
 T. 2N., R. 4W. W.M. Sect. 25 and 36

Legend

Well 2 (WASH 62373)

Magnetic Flow Meter in Vault

Carsten Reservoir Tanks

Water line (6" pvc)

Streams

Highways

Place of Use (Service Area) per Permit 16312

Updated Place of Use (Service Area) per UGB

Donation Land Claim

Township/Range

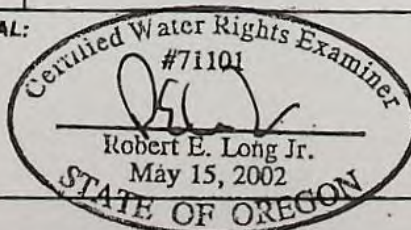
31 Sections

NENW 1/4, 1/4 Sections



13680 NW Main Street
 Banks, Oregon 97106

CWRE SEAL:



CWM-H2O
 Complete Water Management

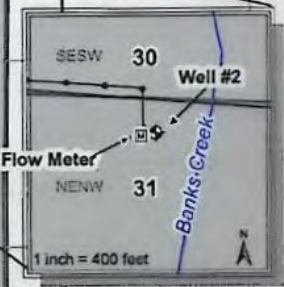
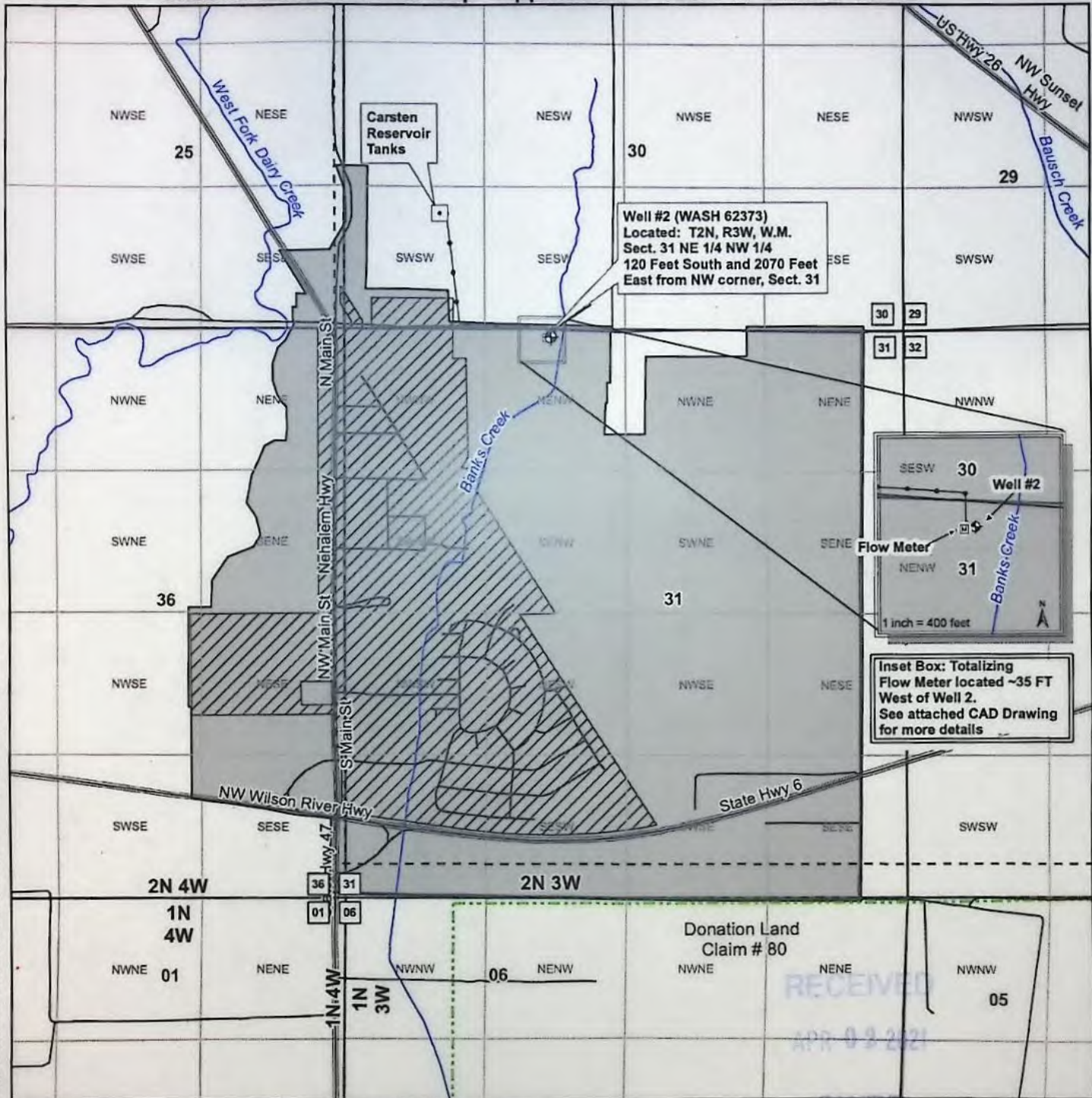
1319 SE MLK JR BLVD #204
 Portland, OR 97214

0 660 1,320 Ft
 1 inch = 1,320 ft
 N

This map is not intended to provide legal dimensions or property ownership lines.

EXPIRATION DATE: 12-21-2021

Claim of Beneficial Use Map - Application G-15887 / Permit G-16312



Inset Box: Totalizing Flow Meter located ~35 FT West of Well 2. See attached CAD Drawing for more details

City of Banks-Well 2 (WASH 62373)
 Lat: 45.6214, Long:-123.10655
 Application; G-15887
 Permit: G-16312

T. 2N., R. 3W. W.M. Sect. 30, 31
 T. 2N., R. 4W. W.M. Sect. 25 and 36

Legend

- Well 2 (WASH 62373)
- Magnetic Flow Meter in Vault
- Carsten Reservoir Tanks
- Water line (6" pvc)

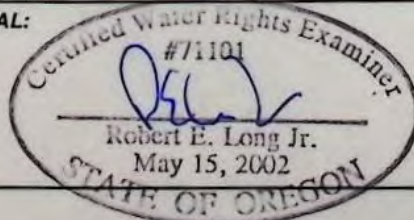
- Streams
- Highways
- Place of Use (Service Area) per Permit 16312
- Updated Place of Use (Service Area) per UGB

- Donation Land Claim
- Township/Range
- 31 Sections
- 1/4, 1/4 Sections



13680 NW Main Street
 Banks, Oregon 97106

CWRE SEAL:



CWM-H2O
 Complete Water Management

1319 SE MLK JR BLVD #204
 Portland, OR 97214

0 660 1,320 Ft
 1 inch = 1,320 ft

This map is not intended to provide legal dimensions or property ownership lines.

EXPIRATION DATE 12-31-2021



March 25, 2021

Gerry Clark
Oregon Water Resources Department
725 Summer St. NE Ste A
Salem, Oregon 97301

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OWRD

RE: CITY OF BANKS - CLAIMS OF BENEFICIAL USE FOR WELL #2 GROUNDWATER PERMIT

Dear Gerry,

Please find enclosed with this letter the claim of beneficial use (CBU) application for Permit G-16312 for City of Banks. The groundwater permit is for 1.0 cfs of municipal supply from City Well #2. Accompanying the CBU application you will find a Reimbursement Authority application for expedited review for this CBU and separate checks for the fees corresponding to each application.

In addition to the CBU application for Well #2, we have submitted an application for a permanent transfer to add a point of appropriation to the Well #2 water right. It is our intent for this transfer application to be reviewed once the Well #2 CBU process has been completed. In order to optimize production as an additional point of appropriation once Permit G-16312 is certificated, the City of Banks intends to add the Quail Valley Well (WASH-50693) to Well #2. A separate letter to the transfer specialist has been included with that application.

Please let us know if there are any issues with proceeding in this order or if any additional information or clarification is needed.

Thank you for your assistance.
Sincerely,

CwM H2O, L.L.C.

Robert Long, CWRE

Enclosed:
CBU Application for G-16312 and check for \$200 fee
RA Application for expedited review and check for \$125 fee

**CLAIM OF
BENEFICIAL USE
for Groundwater Permits
claiming more than 0.1 cfs**



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

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**A fee of \$200 must accompany this form for permits
with priority dates of July 9, 1987, or later.**

A separate form shall be completed for each permit.

In cases where a permit has been amended through the permit amendment process, a separate claim for the permit amendment is not required. Incorporate the permit amendment into the claim for the permit.

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at:
http://www.oregon.gov/owrd/pages/wr/cwre_info.aspx

The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. **Every item must have a response.** If any requested information does not apply to the claim, insert "NA." **Do not delete or alter any section of this form unless directed by the form.** The Department may require the submittal of additional information from any water user or authorized agent.

"Section 8" of this form is intended to aid in the completion of this form and should not be submitted.

A claim of beneficial use includes both this report and a map. If the map is being mailed separately from this form, please include a note with this form indicating such.

If you have questions regarding the completion of this form, please call 503-986-0900 and ask for the Certificate Section.

The Department has a program that allows it to enter into a voluntary agreement with an applicant for expedited services. Under such an agreement, the applicant pays the cost to hire additional staff that would not otherwise be available. This program means a certificate may be issued in about a month. For more information on this program see
http://www.oregon.gov/owrd/pages/mgmt_reimbursement_authority.aspx

SECTION 1

GENERAL INFORMATION

1. File Information

APPLICATION # G-15887	PERMIT # (IF APPLICABLE) G-16312	PERMIT AMENDMENT # (IF APPLICABLE)
---------------------------------	--	------------------------------------

2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME CITY of BANKS	PHONE NO. 503-324-5112	ADDITIONAL CONTACT NO.
ADDRESS 13680 NW Main Street		
CITY Banks	STATE OR	ZIP 97106
E-MAIL jbecker@cityofbanks.org		

If the current property owner is not the permit holder of record, it is recommended that an assignment be filed with the Department. ***Each permit holder of record must sign this form.***

3. Permit holder of record (this may, or may not, be the current property owner)

PERMIT HOLDER OF RECORD CITY of BANKS		
ADDRESS 13680 NW Main Street		
CITY Banks	STATE OR	ZIP 97106

4. Date of Site Inspection: **4/23/2019**

5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
Tom Tuski	4/23/2019	Public Works Supervisor

6. County: **Washington**

7. If any property described in the place of use of the permit is excluded from this report, identify the owner of record for that property (ORS 537.230(4)): **NA**

OWNER OF RECORD		
ADDRESS		
CITY	STATE	ZIP

Add additional tables for owners of record as needed

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SECTION 2
SIGNATURES

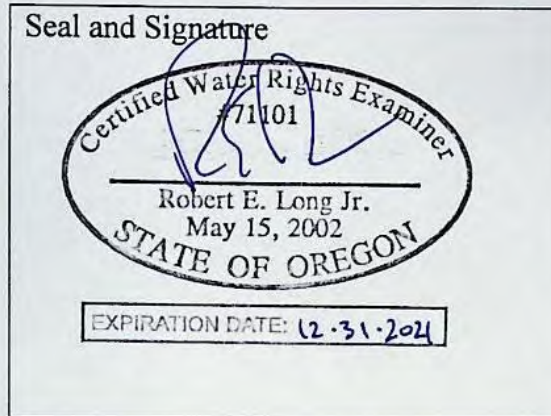
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CWRE Statement, Seal and Signature

OWRD

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.



CWRE NAME Robert Long		PHONE NO. 503-954-1326	ADDITIONAL CONTACT NO. 503-799-0304
ADDRESS 1319 SE MLK JR BLVD, STE. 204			
CITY Portland	STATE OR	ZIP 97214	E-MAIL Bob.Long@CwMH2O.com

Permit Holder of Record Signature or Acknowledgement

Each permit holder of record must sign this form in the space provided below.

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

SIGNATURE	PRINT OR TYPE NAME	TITLE	DATE
	Jolynn Becker	City Manager	3-30-2021

SECTION 3

CLAIM DESCRIPTION

1. Point of appropriation name or number:

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POINT OF APPROPRIATION (POA) NAME OR NUMBER (CORRESPOND TO MAP)	WELL LOG ID # FOR ALL WORK PERFORMED ON THE WELL (IF APPLICABLE)	WELL TAG # (IF APPLICABLE)
Well 2 (WASH 62373) on CBU Map	WASH 62373	L-75346

Attach each well log available for the well (include the log for the original well and any subsequent alterations, reconstructions, or deepenings)

2. Point of appropriation source, if indicated on permit:

POA NAME OR NUMBER	SOURCE BASIN LOCATED WITHIN	TRIBUTARY
Well 2 (WASH 62373)	West Fork Dairy Creek	West Fork Dairy Creek

3. Developed use(s), period of use, and rate for each use:

POA NAME OR NUMBER	USES	IF IRRIGATION, LIST CROP TYPE	SEASON OR MONTHS WHEN WATER WAS USED	ACTUAL RATE OR VOLUME USED (CFS, GPM, OR AF)
Well 2 (WASH 62373)	Municipal	Not Applicable	Year Round	489 gpm (1.09 cfs)
Total Quantity of Water Used				1.09 cfs*

*Daily production records show that Well 2 has achieved the full 1.0 cfs rate on many occasions. In August 2018, the well pumped at a rate of 1.09 cfs for a short time, being the highest rate on record.

4. Provide a general narrative description of the distribution works. This description must trace the water system from **each** point of appropriation to the place of use:

Well 2 (Wash 62373), located T2N, R3W, W.M. 31NENW (120 ft South and 2070 ft East from NW corner, Sect 31 / Latitude: 45.6213898, Longitude: -123.10654513) pumps water in a pipe approximately 850 ft west along NW Banks Road and then north up the hill along an approximate 1075' driveway to the Carsten Reservoir Tanks. These reservoir tanks then feed the City's water distribution system.

Reminder: The map associated with this claim must identify the location of the point(s) of diversion, Donation Land Claims (DLC), Government Lots (GLot), and Quarter-Quarters (QQ).

5. Variations:

Was the use developed differently from what was authorized by the permit, permit amendment final order, or extension final order? If yes, describe below.

YES

(NO)

(e.g. "The permit allowed three points of appropriation. The water user only developed one of the points." or "The permit allowed 40.0 acres of irrigation. The water user only developed 10.0 acres.")

Well 2 was developed to allow the City to provide water to its residents. It continues to play a critical role in that capacity, especially as the city grows. The Place of Use in Permit G16312 is defined as the City's "Service Area Boundary", which was the City Limits Boundary at the time. The City Limits Boundary has since expanded due to a series of annexations, and the City's current Service Area Boundary is now defined by its Urban Growth Boundary (UGB). The UGB (updated Service Area) is shown on the attached Claim Map.

6. Claim Summary:

POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
Well 2 (WASH 62373)	1.0 cfs	1.93 cfs	1.09 cfs*	Municipal	-NA-	-NA-

*Daily production records show that Well 2 has achieved the full 1.0 cfs rate on many occasions. In August 2018, the well pumped at a rate of 1.09 cfs for a short time, being the highest rate on record.

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SECTION 4

SYSTEM DESCRIPTION

OWRD

Are there multiple POAs?

YES ☒ NO

If "YES" you will need to copy and complete Sections 4B through 4F for each POA.

POA Name or Number this section describes (only needed if there is more than one):

A. Place of Use? The Place of Use is the City of Banks Service Area Boundary, defined by the Urban Growth Boundary (UGB). The UGB is shown on the COBU map (attached) and available from Metro: <http://rlisdiscovery.oregonmetro.gov/>

1. Is the right for municipal use?

☒ YES NO

If "YES" the table below may be deleted.

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (GLot), Quarter Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, GLot, and QQ.

B. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and apply the water from the point of appropriation to the place of use.

1. Is a pump used?

☒ YES NO

If "NO" items 2 through item 6 may be deleted.

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
ITT Goulds	8RJLC	-NA-	Submersible vertical turbine	~5.0"	5.0"

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OWRD

3. Motor Information

MANUFACTURER	HORSEPOWER
Hitachi	75 HP

4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *If A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
75 HP	---	90 FT	182.5 FT	1.93 CFS

5. Provide pump calculations:

City of Banks Well 2 (WASH 62373)

Pump Capacity Calculation Sheet

using Department designed formula:

 $(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 75
 Efficiency = 7.04
 Lift = 273 ft
 0 psi at
 reservoir
 PSI = discharge

Results Calculated

$(hp)(\text{efficiency}) = 528$
 Head based on psi = 0 ft
 Total dynamic head = 273 ft
 (head + lift)

Pump Capacity = **528/273 = 1.93 cubic feet per second**

6. Measured Pump Capacity (using meter if meter was present and system was operating)

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
		Approx. 3 hrs	1.09 cfs (Aug 2018)

Reminder: For pump calculations use the reference information at the end of this document.

7. Is the distribution system piped?

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YES NO

If "NO" items 8 through item 11 may be deleted.

APR 02 2021

8. Mainline Information

MAINLINE SIZE	LENGTH (FT)	TYPE OF PIPE	BURIED OR ABOVE GROUND
14"	4,000	Ductile iron	Buried
12"	7,300	Ductile iron	Buried
10"	20	Ductile iron	Buried
8"	11,100	Ductile iron	Buried
8"	3,200	PVC	Buried
6"	15,700	Steel	Buried
6"	7,400	Ductile iron	Buried
6"	7,700	PVC	Buried
4"	500	Steel	Buried
2"	9,900	Steel	Buried

9. Lateral or Handline Information -NA-

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND

10. Sprinkler Information -NA-

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)

Reminder: For sprinkler output determination use the reference information at the end of this document.

11. Pivot Information -NA-

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)

12. Additional notes or comments related to the system:

Well 2 pumps to a 6" PVC mainline that delivers all ground water to the City's reservoirs. The mainline is approximately 1,995 feet long and has a total lift from depth of pump set (-90 ft) to the top of the reservoir (182.5 ft) of approximately 273 feet.

C. Groundwater Source Information (Well and Sump)

1. Is the appropriation from ground water (well or sump)?

YES NO

If "NO", items 2 through 8 relating to this section may be deleted.

2. Describe the access port (type and location) or other means to measure the water level in the well:

Well 2 has a 3/4 inch access port with screw top. SCADA transducers also installed.

3. If well logs are not available, provide as much of the following information as possible:

CASING DIAMETER	CASING DEPTH	TOTAL DEPTH	COMPLETION DATE OF ORIGINAL WELL	COMPLETION DATES OF ALTERATIONS	WHO THE WELL WAS DRILLED FOR	WELL DRILLED BY
12"	300'	665'	5/25/05		City of Banks	AM Jannsen Drilling

4. In addition to the information requested in item "3" above, provide any other information which may help the Department locate any well logs associated with this appropriation.

WASH 62373 (Well Log attached)

5. Is the appropriation from a dug well (sump)?

YES ☒ NO

If "NO", items 6 through 8 relating to this section may be deleted.

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Reminder: Construction standards for sumps can be found in OAR 690-210-0400.

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D. Storage

OWRD

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)

☒ YES ☐ NO

If "NO", item 2 and 3 relating to this section may be deleted.

If "YES" is it a: Storage Tank

☒ YES ☐ NO

Bulge in System / Reservoir

YES ☒ NO

Complete appropriate table(s), unused table may be deleted.

2. Storage Tank:

MATERIAL (CONCRETE, FIBERGLASS, METAL, ETC.)	CAPACITY (IN GALLONS)	ABOVE GROUND OR BURIED
Concrete (Carsten Reservoir Tanks, connected to Wells 1 & 2)	1.50 MG	Above Ground
Concrete (North Star Reservoir)	0.07 MG	Above Ground
Steel/concrete (Clearwell Reservoir)	0.22 MG	Above Ground

3. Bulge in System / Reservoir: -NA

RESERVOIR NAME OR NUMBER (CORRESPOND TO MAP)	APPROXIMATE DAM HEIGHT	APPROXIMATE CAPACITY (IN ACRE FEET)
-NA -		

E. Gravity Flow Pipe NA

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM'S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the system involve a gravity flow pipe?

YES ☒ NO

If "NO", items 2 through 4 relating to this section may be deleted.

F. Gravity Flow Canal or Ditch NA

(THE DEPARTMENT TYPICALLY USES MANNING'S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? YES NO

If "NO", items 2 through 4 relating to this section may be deleted.

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SECTION 5 CONDITIONS

OWRD

All conditions contained in the permit, permit amendment, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. Time Limits:

Permits and extension final orders contain any or all of the following dates: the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed use was to be completed. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit or permit extension order:

	DATE FROM PERMIT	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	4/28/2008		
BEGIN CONSTRUCTION (A)	3/22/2005	3/22/2005	Drilling started
COMPLETE CONSTRUCTION (B)	5/25/2005	5/25/2005	Well completed
COMPLETE APPLICATION OF WATER (C)	4/28/2028	7/24/2012	Well head design and construction completed

* MUST BE WITHIN PERIOD BETWEEN PERMIT, OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETELY APPLY WATER

2. Is there an extension final order(s)? YES NO

3. Initial Water Level Measurements: First water = 378 ft, SWL = 48 ft

a. Was the water user required to submit an initial static water level measurement? YES NO

If "NO", items 4b through 4d relating to this section may be deleted.

b. What month was the initial measurement to be taken in?

5/25/2005

c. Was the measurement submitted to the Department? YES NO

d. If the initial measurement was not submitted, provide that measurement now, if available:

DATE OF MEASUREMENT	MEASUREMENT MADE BY	METHOD	MEASUREMENT
NA			

4. Annual Static Water Level Measurements:

a. Was the water user required to submit annual static water level measurements? YES NO

If "NO", items 5b through 5e relating to this section may be deleted.

b. Provide the month, or months, the static water level measurement(s) were to be made:

March

c. Were the static water level measurements taken in the month(s) required?

☒ YES ☐ NO

d. If "YES", were those measurements submitted to the Department?

☒ YES ☐ NO

e. If the annual measurements were not submitted, provide the measurements now:

DATE OF MEASUREMENT	MEASUREMENT MADE BY	METHOD	MEASUREMENT

5. Pump Test (Required for most ground water permits prior to issuance of a certificate)

a. Did the permit require the submittal of a pump test?

☒ YES ☐ NO

If "NO", items 6b through 6e relating to this section may be deleted.

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b. Has the pump test been previously submitted to the Department?

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☒ YES ☐ NO

c. Is the pump test attached to this claim?

YES ☒ NO

d. Has the pump test been approved by the Department?

OWRD

☒ YES ☐ NO

e. Has a pump test exemption been approved by the Department?

YES ☒ NO

**** Claims will not be reviewed until a pump test or exemption has been approved by the Department**

6. Measurement Conditions:

a. Does the permit, permit amendment, or any extension final order require the installation of a meter or approved measuring device?

☒ YES ☐ NO

If "NO", items 7b through 7f relating to this section may be deleted.

Reminder: If a meter or approved measuring device was required, the COBU map must indicate the location of the device in relation to the point of diversion or appropriation.

b. Has a meter been installed?

☒ YES ☐ NO

c. Meter Information

POD/POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
Well 2	Siemens	NA	Working		7/24/2012

If a meter has been installed, items 7d through 7f relating to this section may be deleted.

7. Recording and reporting conditions

a. Is the water user required to report the water use to the Department?

☒ YES ☐ NO

If "NO", item 7b relating to this section may be deleted.

b. Have the reports been submitted?

☒ YES ☐ NO

If the reports have not been submitted, attach a copy of the reports if available.

8. Other conditions required by permit, permit amendment final order, or extension final order:

a. Were there special well construction standards?

YES ☒ NO

b. Was submittal of a ground water monitoring plan required?

YES ☒ NO

c. Was submittal of a water management and conservation plan required?

☒ YES ☐ NO

d. Other conditions?

YES NO

If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s):

A Water Management and Conservation Plan (WMCP) for the City of Banks was adopted by Banks City Council on October 12, 2010. A Pump Test for Well 2 was completed in Spring 2009 and submitted to OWRD. An update to the WMCP is in progress and expected to be completed by Summer 2021.

A table containing a list of the conditions stipulated in Permit 16312 and how they've been satisfied is provided as an attachment (see 'Table of Special Conditions Section 5, Item 8').

SECTION 6 ATTACHMENTS

Provide a list of any additional documents you are attaching to this report:

ATTACHMENT NAME	DESCRIPTION
Claim Map	As requested in Section 7
CAD of Well Piping	CAD drawing of Well piping that shows location of the totalizing flow meter
Table of Special Conditions	A table of conditions specified in Permit 16312 as requested in Section 5, Item 8 of this application
Table of Water Level Measurements	A table showing measurements and calculations in support of the List of Conditions identified in Permit 16312 and Section 5, Item 8 of this application
Well Log for WASH 62373	

SECTION 7 CLAIM OF BENEFICIAL USE MAP

The Claim of Beneficial Use Map must be submitted with this claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on poly film at a scale of 1" = 1320 feet, 1" = 400 feet, or the original full-size scale of the county assessor map for the location.

Provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

The map integrates multiple sources:

- The location of Well 2 (WASH 7651) is taken from the description in Permit G7593 and the OWRD Well Report Points geodatabase downloaded on 1/13/2020.
- The Urban Growth Boundary (UGB) (i.e., the City's Service Area) was derived from Metro's RLIS Discovery web resource: <http://rlisdiscovery.oregonmetro.gov/>
- The base imagery used for marking the location of the larger Carsten Reservoir Tank was a 2014 USDA-FSA-APFO NAIP MrSID Mosaic covering Washington County (Ortho Image ortho_1-1_1n_s_or067_2014_1.sid).
- The location of the Totalizing Flow Meter is estimated based on 1.) the description from the CWRE and 2.) the attached CAD drawing of Well Piping.
- StreamNet.org was consulted to identify locations of fish screens or passage devices, but none were identified.

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Map Checklist

Please be sure that the map you submit includes ALL the items listed below.

(Reminder: Incomplete maps and/or claims may be returned.)

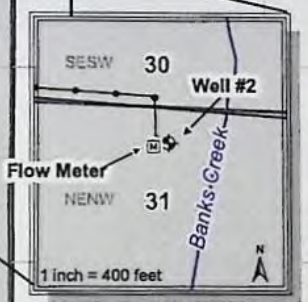
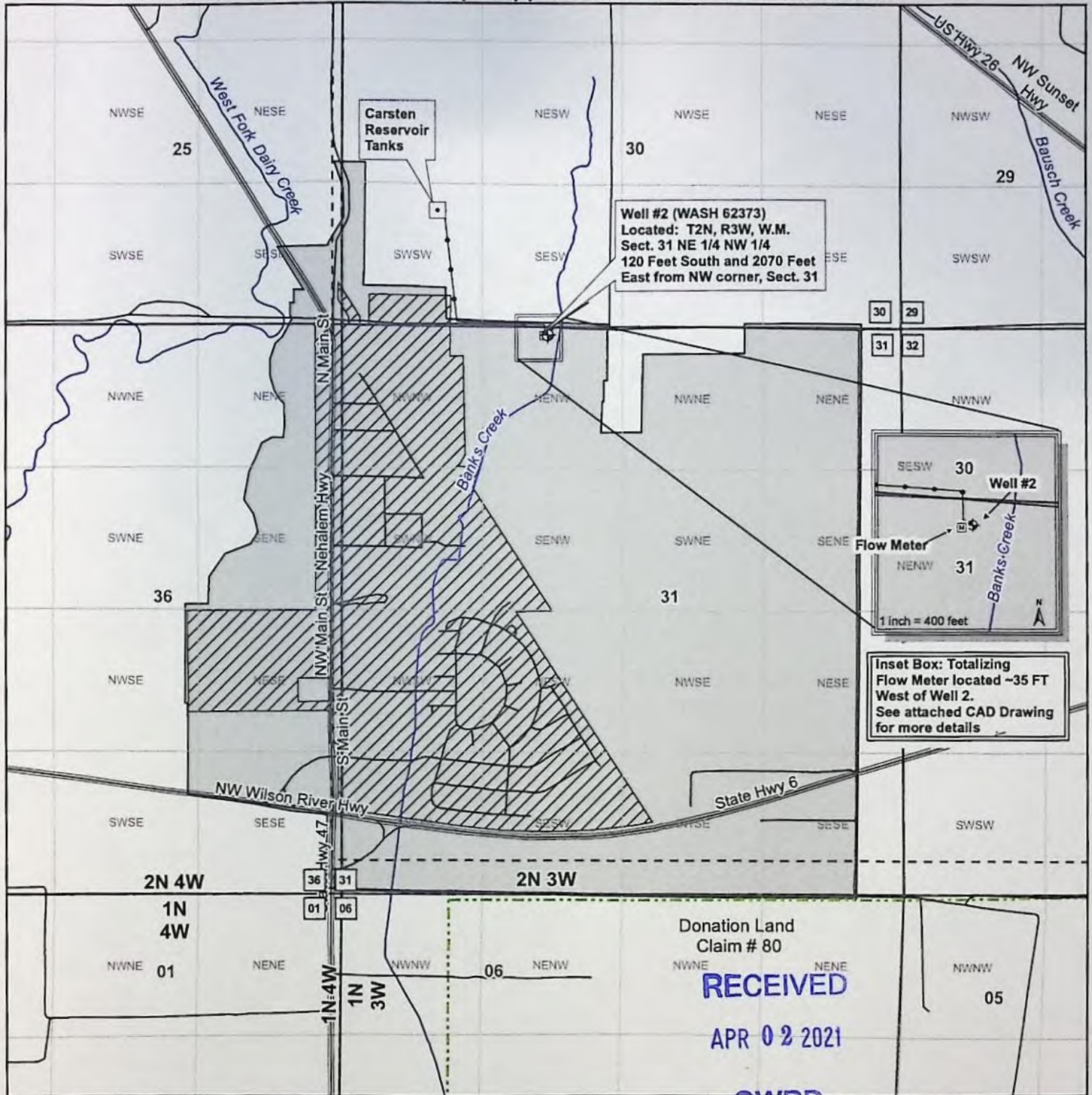
- ☒ Map on polyester film
- ☐ Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- ☒ Township, Range, Section, Donation Land Claims, and Government Lots
- ☒ If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- ☒ Locations of fish screens and/or fish by-pass devices in relationship to point of diversion
- ☒ Locations of meters and/or measuring devices in relationship to point of diversion or appropriation
- ☒ Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
- ☒ Point(s) of diversion or appropriation (illustrated and coordinates)
- ☒ Tax lot boundaries and numbers
- ☒ Source illustrated if surface water
- ☒ Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownership lines")
- ☒ Application and permit number or transfer number
- ☒ North arrow
- ☒ Legend
- ☐ CWRE stamp and signature

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Claim of Beneficial Use Map - Application G-15887 / Permit G-16312



Inset Box: Totalizing Flow Meter located ~35 FT West of Well 2. See attached CAD Drawing for more details

Donation Land Claim # 80
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City of Banks-Well 2 (WASH 62373)
 Lat: 45.6214, Long:-123.10655
 Application; G-15887
 Permit: G-16312

T. 2N., R. 3W. W.M. Sect. 30, 31
T. 2N., R. 4W. W.M. Sect. 25 and 36

- Legend**
- Well 2 (WASH 62373)
 - Magnetic Flow Meter in Vault
 - Carsten Reservoir Tanks

- Streams
- Highways
- Place of Use (Service Area) per Permit 16312
- Updated Place of Use (Service Area) per UGB
- Donation Land Claim
- Township/Range
- Sections
- 1/4, 1/4 Sections

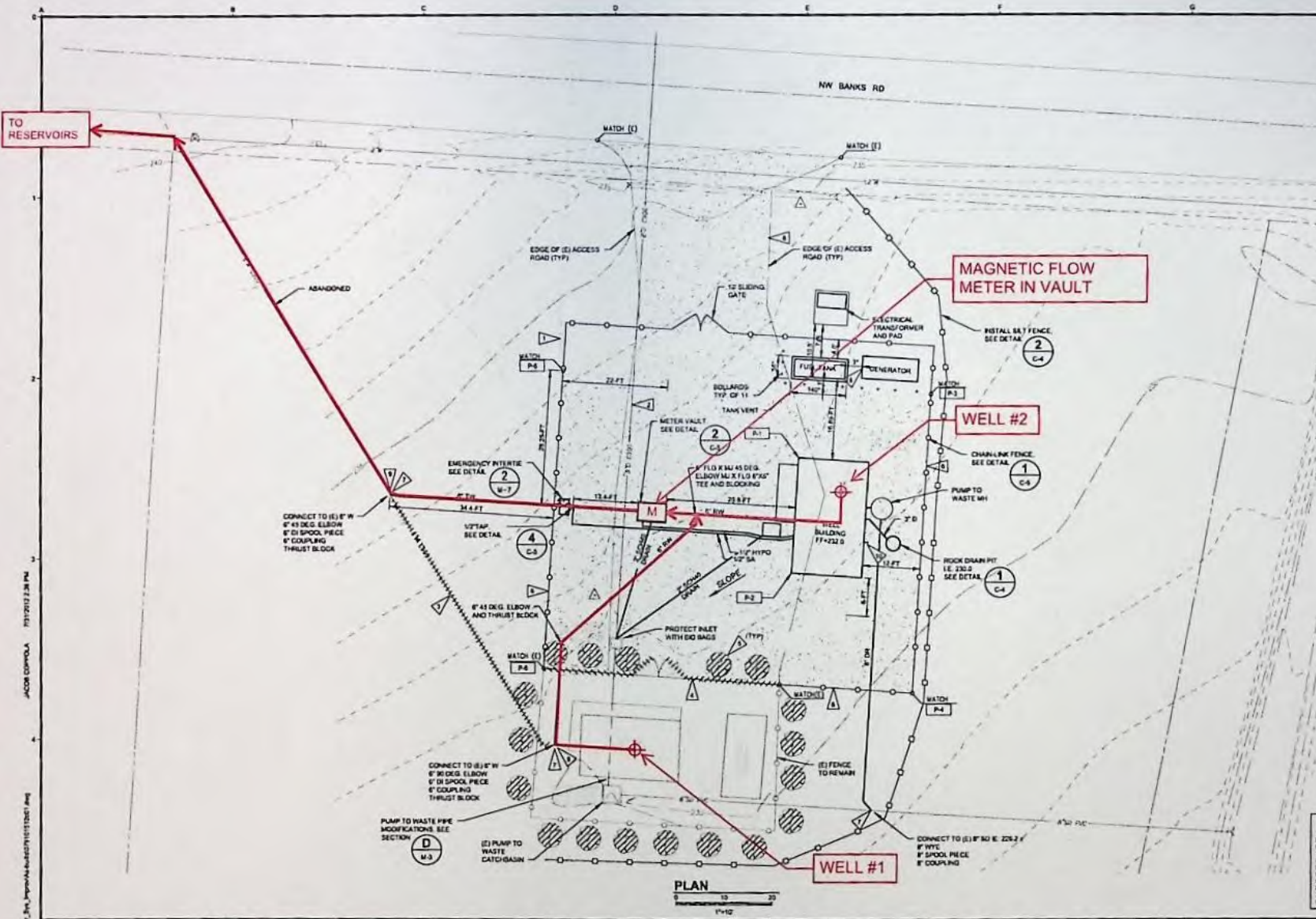
BANKS
 13680 NW Main Street
 Banks, Oregon 97106

CWRE SEAL:

 Robert E. Long Jr.
 May 15, 2002
STATE OF OREGON
 EXPIRATION DATE: 12-31-2021

CWM-H2O
 Complete Water Management
 1319 SE MLK JR BLVD #204
 Portland, OR 97214

0 660 1,320 Ft
 1 inch = 1,320 ft
 This map is not intended to provide legal dimensions or property ownership lines.



- NOTES:**
- EXISTING RESERVOIR LEVEL TELEMETRY FROM CARSTEN RESERVOIRS 1 AND 2.
 - EXISTING 8-INCH DRAIN LINE FROM CARSTEN RESERVOIRS.
 - EXISTING 8-INCH WATER LINE TO BE ABANDONED IN-PLACE. REMOVE AS NEEDED TO MAKE NEW CONNECTIONS THEN PLUG AND CAP ENDS.
 - REMOVE EXISTING FENCE AND GATE.
 - REMOVE EXISTING SHRUBS.
 - RESTORE ACCESS ROAD AND AREA INSIDE OF FENCE WITH 6\"/>
 - POTHOLE TO DETERMINE UTILITY LOCATION AND INVERT ELEVATION.
 - WELL SITE GENERATOR, PAD AND ASSOCIATED CABLE WORK PART OF ADDITIVE ALTERNATE 2 FOR BIDS. SEE DETAIL 4-5-2.
 - SEE SECTION 01010 FOR SEQUENCE OF CONSTRUCTION.
 - UTILITY WATER STATION.

LAYOUT COORDINATE TABLE

POINT #	NORTHING	EASTING	DESCRIPTION
P-1	N 723408.79	E 733219.42	NW CORNER OF BLDG
P-2	N 723384.84	E 733211.06	SW CORNER OF BLDG
P-3	N 723422.25	E 733247.19	NE CORNER OF FENCE
P-4	N 723228.97	E 733234.21	SE CORNER OF FENCE
P-5	N 723365.06	E 733226.45	SW CORNER OF FENCE
P-6	N 723426.97	E 733279.42	NW CORNER OF FENCE

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RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY THE CONTRACTOR AND OTHERS. KENNEDY/JENKS CONSULTANTS HAS NOT VERIFIED THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED TO THEM AND DOES NOT WARRANT THE ACCURACY OR COMPLETENESS OF THESE RECORD DRAWINGS. USERS OF THESE RECORD DRAWINGS ASSUME ALL RISK OF LOSS RESULTING FROM THEIR USE. USERS OF THESE DOCUMENTS IN ELECTRONIC FORM ARE CAUTIONED AGAINST USE WITHOUT FIRST DETERMINING WHETHER CHANGES HAVE BEEN MADE TO THESE DOCUMENTS SUBSEQUENT TO THEIR PREPARATION BY KENNEDY/JENKS CONSULTANTS. ORIGINALS OF SIGNED AND SEALED HARD COPIES OF THESE DOCUMENTS ARE THE ONLY TRUE RECORD OF THE CONTRACT DOCUMENTS PREPARED BY KENNEDY/JENKS CONSULTANTS.

USE OF DOCUMENTS THIS DOCUMENT, INCLUDING THE INFORMATION HEREON, IS AN INSTRUMENT OF SERVICE FOR THIS PROJECT AND SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF KENNEDY/JENKS CONSULTANTS.				DESIGNED ELH		CITY OF BANKS WASHINGTON COUNTY, OREGON WATER SYSTEM IMPROVEMENTS PROJECT		BEHRMAN WELLS SITE PIPING AND GRADING		FILE NAME 07/01/2021.DWG
SCALES 1" = 20' 1" = 10'				DRAWN MEL		Kennedy/Jenks Consultants 200 S.W. MARKET, SUITE 200, PORTLAND OREGON 97201		JOB NO. 07/01/21.12		DATE
CHECKED GAM				DATE JULY 2021		REVISION 1		MARCH 2011		SHEET
1 RECORD DRAWINGS				1" = 10'		1" = 20'		C-1		48

Attachment (Section 5, Item 8): Special Conditions for Permit 16312 (Well 2 – WASH 62373)

Measurement, Recording and Reporting	
Permit Requirements	How Permit Requirements Satisfied
A. Install totalizing flow meter <ul style="list-style-type: none"> - Maintain in good order - Record and report water used each month by Dec.1 B. Allow watermaster access	A. A Siemens totalizing flow meter became operational on July 24, 2012. Recording and reporting of monthly water use also began July 2012. B. Watermaster access allowed as requested
1. Well Conditions triggering control or shut-off:	
Permit Requirements	How Permit Requirements Satisfied
a. Average water level decline of 3 ft or more for five consecutive years b. Total water level decline of 15 ft or more c. Hydraulic interference decline of 15 ft or more in any neighboring well providing water for senior exempt uses or wells covered by prior rights.	a. Due to the 3/16/2016 reading of 42.25 ft (+ 8.5 ft), there hasn't been an average water decline reading of 3 ft or more per year <i>for five consecutive years</i> . Recorded water level measurements indicate an average decline of 4.93'/year (see 'Measured Water Level Table' attachment). Variations and fluctuations in the system are expected, for example, on 3/16/2016 the water level was plus 8.5 ft while one year later on 4/5/2017, it declined by 7.17 ft. Measurements taken outside of March, especially during the summer months account for some of the variation. City of Banks is aware of known leaks in the system and has instituted a Leak Repair and Line Replacement Program. b. There has been a 16 ft decline from the initial water level measurement of 48ft taken on 5/25/2005 to the most recent measurement, 64 ft taken 2/28/2019. This averages out to a 1.14' decline over the 14 year time period. c. There are no known impacts to neighboring wells with senior exempt uses or wells covered by prior rights.
2. Conditions for Measuring Water Levels:	
Permit Requirements	How Permit Requirements Satisfied
a. Initial static water level required b. Water level measurement taken in March of each year c. Measurements taken by qualified individuals d. Use standard methods of well measurement e. Report measurements to OWRD	a. Initial static water level of 48 ft taken 5/25/2005 b. Water levels were measured in March in 2014, 2016 & 2018. In 2017, measurement taken just past March on 4/05/2017, and in 2019, measurement taken just before March on 2/28/2019. c. All measurements taken by qualified individuals (CWRE, PMPI &/or owner). d. All measurements used standard methods (Etape &/or Transducer). e. Measurements were reported to OWRD primarily by Tom Tulski, Public Works Supervisor, City of Banks

Attachment (Section 5, Item 8) Measured Water Levels for Well 2 (WASH 62373)

(taken from OWRD website on 2/24/2020)

Date	Time	Water Level (BLSD)	WL Elev (ft) AMSL	Organization	OWRD	Method	Status	MP Height	Water Level Change (ft)*
2/28/2019		64	166	PUMP INSTALLER	PERMIT COND PROGRAM	TRANSDUCER	STATIC		-16
3/8/2018		56	174	PUMP INSTALLER	PERMIT COND PROGRAM	TRANSDUCER	STATIC		-8
3/7/2018	11:28:00	50	180	OWNER	GWATER	TRANSDUCER	STATIC		-2
1/21/2018	20:15:00	54	176	OWNER	GWATER	TRANSDUCER	STATIC		**
12/30/2017	17:49:00	58	172	OWNER	GWATER	TRANSDUCER	STATIC		**
11/29/2017	21:03:00	67	163	OWNER	GWATER	TRANSDUCER	STATIC		**
10/22/2017	7:35:00	61	169	OWNER	GWATER	TRANSDUCER	STATIC		**
9/28/2017	19:38:00	80	150	OWNER	GWATER	TRANSDUCER	STATIC		**
8/30/2017	13:07:00	102	128	OWNER	GWATER	TRANSDUCER	STATIC		**
4/5/2017		57.92	172.08	PUMP INSTALLER	PERMIT COND PROGRAM	OTHER	STATIC	2.75	-7.17
3/16/2016		42.25	187.75	PUMP INSTALLER	PERMIT COND PROGRAM	OTHER	STATIC	2.75	8.5
3/18/2014		106.5	123.5	CWRE	PERMIT COND PROGRAM	ETAPE	UNKNOW N		-58.5***
5/25/2005		48	182	DRILLER	WELL LOG	REPORTED	UNKNOW N		Baseline
Average annual water level change over typical years:									-4.934

* Level Change is the difference between the measured water level and the baseline static water level (48'), minus the MP Height if available

** Water levels not taken in or close to March were excluded from the review

*** The 3/18/2014 Water level measurement is considered atypical and excluded from the review. Low water level believed to be due to leaks in the system, which the City has and continues to make repairs and upgrades to

The average water decline for measurements taken in or close to March was -4.93'/yr

The water decline from the initial static reading of 48' on 5/25/2005 to the most recent measurement of 64' on 2/28/2019 was 16'

Over the course of the 14 year time period, this averages to (16' decline divided by 14 years) = 1.14' decline/yr

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

RECEIVED WASH 62373

JUN 02 2005

WELL I.D. # L 75346

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START CARD # 173577

APR 02 2021

Instructions for completing this report are on the last page of this form
WATER RESOURCES DEPT
SALEM, OREGON

(1) LAND OWNER
Name City of Banks Well Number _____
Address 100 South Main Street
City Banks State Or Zip 97106

(2) TYPE OF WORK ☒ New Well
☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment ☐ Conversion

(3) DRILL METHOD
☒ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Other _____

(4) PROPOSED USE
☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other _____

(5) BORE HOLE CONSTRUCTION Special Construction: ☐ Yes ☒ No
Depth of Completed Well 665 ft.
Explosives used: ☐ Yes ☒ No Type _____ Amount _____

BORE HOLE			SEAL			Sacks or Pounds
Diameter	From	To	Material	From	To	
16	0	300	Cem/Bent	0	300	115 sks
12	300	665				

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

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER
Casing: Diameter From To Gauge Steel Plastic Welded Threaded
12 +2 300 250 ☒ ☐ ☒ ☐
Liner: _____

Drive Shoe used ☐ Inside ☐ Outside ☒ None
Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Type _____ Material _____
From To Slot Number Diameter Tele/pipe Casing Liner
Size size size ☐ ☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian
Yield gal/min Drawdown Drill stem at Time
650+ 275-280 660 1hr.
200 1hr.

Temperature of water 57°F Depth Artesian Flow Found _____
Was a water analysis done? ☒ Yes By whom A.M.J.
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____
Depth of strata: _____

(9) LOCATION OF WELL (legal description)
County Washington
Tax Lot 402 Lot _____
Township 2N N or S Range 3W E or W WM
Section 31 NE 1/4 NW 1/4
Lat _____ " or _____ (degrees or decimal)
Long _____ " or _____ (degrees or decimal)

Street Address of Well (or nearest address)
42000 NW Banks Rd. Banks, Or

(10) STATIC WATER LEVEL
48 ft. below land surface. Date 5-25-05
_____ ft. below land surface. Date _____
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES
Depth at which water was first found 378

From	To	Estimated Flow Rate	SWL
378	468	350 gpm	48
615	660	300 gpm	48

(12) WELL LOG Ground Elevation _____

Material	From	To	SWL
Brn & red-brn cly sticky, firm.	0	69	
Red-brn basalt, very weathered.	69	102	
Green clay soft	102	121	
Gry-brn clay firm	121	155	
Red-brn basalt very weathered.	155	179	
Brn basalt, weathered	179	201	
Gry-brn basalt	201	206	
Gry/gry-blk basalt thrd	206	231	
Gry-brn basalt w/ interbeds.	231	251	
Gry-gry blk basalt hrd	251	313	
Brn basalt interbed	313	325	

Date Started 3-22-05 Completed 5-25-05

(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.

WWC Number 573 Date 5-31-2005
Signed _____

(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 performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266 Date May 31, 2005
Signed _____

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

JUN 02 2005

WELL I.D. # L 75346

START CARD # 173577

WATER RESOURCES DEPT
SALEM, OREGON

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

(1) LAND OWNER Well Number
Name City of Banks Conti. Page 2
Address 100 South Main Street
City Banks State OR Zip 97106

(2) TYPE OF WORK ☒ New Well
☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment ☐ Conversion

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Other

(4) PROPOSED USE
☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION Special Construction: ☐ Yes ☒ No
Depth of Completed Well 665 ft.
Explosives used: ☐ Yes ☒ No Type _____ Amount _____

BORE HOLE			SEAL			Sacks or Pounds
Diameter	From	To	Material	From	To	

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

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:				<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"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Type _____ Material _____

From	To	Slot Size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time

Temperature of water _____ Depth Artesian Flow Found _____
Was a water analysis done? ☐ Yes By whom _____
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____
Depth of strata: _____

(9) LOCATION OF WELL (legal description)
County Washington
Tax Lot 402 Lot _____
Township 2N N or S Range 3W E or W WM
Section 31 NE 1/4 NW 1/4
Lat _____ " or _____ (degrees or decimal)
Long _____ " or _____ (degrees or decimal)

Street Address of Well (or nearest address)
42000 NW Banks Rd., Banks, OR

(10) STATIC WATER LEVEL
48 ft. below land surface. Date 05/25/2005
_____ ft. below land surface. Date _____
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES
Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL

(12) WELL LOG Ground Elevation _____

Material	From	To	SWL
Blk basalt, frags, occ			
soapstone.	325	378	
Brn/gry-brn basalt frag			
broken occ red-brn			
basalt/lava streaks	378	420	48
Blk/gry blk basalt/lava	420	468	
Blk/gry blk basalt,			
hard occ frags.	468	615	
Blk basalt interbed,			
occ claystone occ			
lava streaks.	615	660	48
Blk/gry-blk basalt,			
frags.	660	665	

Date Started 3-22-2005 Completed 5-25-2005

(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.

WWC Number 573 Date 5-31-2005

Signed _____

(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 performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266 Date May 31, 2005

Signed _____

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

725 Summer St. N.E. Ste. A

SALEM, OR 97301-4172

(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **134873**

INVOICE # _____

RECEIVED FROM: City of Banks

APPLICATION G-15887

BY: _____

PERMIT _____

TRANSFER _____

CASH: ☐ CHECK: # 123811 OTHER: (IDENTIFY) ☐ _____

TOTAL REC'D \$ 206.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES \$ _____

OTHER: (IDENTIFY) _____ \$ _____

0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS

0407 COPY & TAPE FEES \$ _____

0410 RESEARCH FEES \$ _____

0408 MISC REVENUE: (IDENTIFY) _____ \$ _____

TC162 DEPOSIT LIAB. (IDENTIFY) _____ \$ _____

0240 EXTENSION OF TIME \$ _____

WATER RIGHTS:

0201 SURFACE WATER \$ _____ 0202 \$ _____

0203 GROUND WATER \$ _____ 0204 \$ _____

0205 TRANSFER \$ _____

WELL CONSTRUCTION

0218 WELL DRILL CONSTRUCTOR \$ _____ 0219 \$ _____

LANDOWNER'S PERMIT 0220 \$ _____

0200 OTHER (IDENTIFY) COBU \$ 200.00

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE \$ _____ CARD # _____

0210 MONITORING WELLS \$ _____ CARD # _____

OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FW/WRD) \$ _____

0231 HYDRO LICENSE FEE (FW/WRD) \$ _____

HYDRO APPLICATION \$ _____

TREASURY OTHER / RDX

FUND _____ TITLE _____

OBJ. CODE _____ VENDOR # _____

DESCRIPTION _____ \$ _____

RECEIPT: **134873**

DATED: 4-2-2021 BY: Mindy Carden

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

RECEIPT # **134873**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

INVOICE # _____

RECEIVED FROM: City of Banks

APPLICATION G-15887

BY: _____

PERMIT _____

CASH: ☐ CHECK: # X 23811 OTHER: (IDENTIFY) ☐

TRANSFER _____

TOTAL REC'D \$ 200.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES \$ _____

OTHER: (IDENTIFY) _____ \$ _____

0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS

0407 COPY & TAPE FEES \$ _____

0410 RESEARCH FEES \$ _____

0408 MISC REVENUE: (IDENTIFY) _____ \$ _____

TC162 DEPOSIT LIAB. (IDENTIFY) _____ \$ _____

0240 EXTENSION OF TIME \$ _____

WATER RIGHTS:

0201 SURFACE WATER \$ _____ 0202 \$ _____

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0218 WELL DRILL CONSTRUCTOR \$ _____ 0219 \$ _____

LANDOWNER'S PERMIT 0220 \$ _____

0200 OTHER (IDENTIFY) COBU \$200.00

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE \$ _____ CARD # _____

0210 MONITORING WELLS \$ _____ CARD # _____

OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FW/WRD) \$ _____

0231 HYDRO LICENSE FEE (FW/WRD) \$ _____

HYDRO APPLICATION \$ _____

TREASURY OTHER / RDX

FUND _____ TITLE _____

OBJ. CODE _____ VENDOR # _____

DESCRIPTION \$ _____

RECEIPT: **134873**

DATED: 4-2-2021 BY: Mindy Carden

CITY OF BANKS

23811

Oregon Water Resource Dept

3/30/2021

02. · WATER FUND-EXPENDITURES:2. Application #G-15887 / Permit #G-16312

200.00



RECEIVED

APR 02 2021

OWRD

Checking

200.00

STATE OF OREGON

COUNTY OF WASHINGTON

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

CITY OF BANKS
100 S MAIN ST
BANKS, OR 97106

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15887

SOURCE OF WATER: A WELL (WASH 62373) IN WEST FORK DAIRY CREEK BASIN

PURPOSE OR USE: MUNICIPAL USE

MAXIMUM RATE: 1.0 CUBIC FOOT PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: DECEMBER 5, 2002

WELL LOCATION (WELL 4 ON APPLICATION MAP):

NE ¼ NW ¼, SECTION 31, T2N, R3W, W.M.; 120 FEET SOUTH & 2070 FEET
EAST FROM NW CORNER, SECTION 31

THE PLACE OF USE IS LOCATED AS FOLLOWS:

WITHIN THE SERVICE BOUNDARY OF THE CITY OF BANKS

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit an annual report which includes the recorded water use measurements to the Department by December 1 of each year. Further, the Director may require the permittee to report general water-use information, including the place and nature of use of water under the permit.

- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
- (1) Use of water from the well, as allowed herein, shall be controlled or shut off if the well displays:
 - (a) An average water level decline of three or more feet per year for five consecutive years; or
 - (b) A total water level decline of fifteen or more feet; or
 - (c) A hydraulic interference decline of fifteen or more feet in any neighboring well providing water for senior exempt uses or wells covered by prior rights.
 - (2) The permittee/appropriator shall be responsible for complying with each of the following requirements for measuring water levels in the well.
 - (a) Use of water from a new well shall not begin until an initial static water level in the well has been measured and reported to the Department.
 - (b) In addition to the measurement required in subsection (a) of this section, a water level measurement shall be made each year during the period March 1 through March 31.
 - (c) All water level measurements shall be made by a qualified individual. Qualified individuals are certified water rights examiners, registered geologists, registered professional engineers, licensed land surveyors, licensed water well constructor, licensed pump installer, or the permittee/appropriator.
 - (d) Any qualified individual measuring a well shall use standard methods of procedure and equipment designed for the purpose of well measurement. The equipment used shall be well suited to the conditions of construction at the well. A list of standard methods of procedure and suitable equipment shall be available from the Department.
 - (e) The permittee/appropriator shall report the record of measurement to the Department on a form available from the Department. The record of measurement shall include both measurements and calculations, shall include a certification as to their accuracy signed by the individual making the

measurements, and shall be submitted to the Department within 90 days from the date of measurement. The Department shall determine when any of the declines cited in section (1) are evidenced by the well measurement required in section (2).

STANDARD CONDITIONS

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The well(s) shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

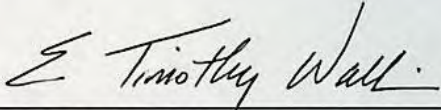
The use of water shall be limited when it interferes with any prior surface or ground water rights.

This permit does not allow unauthorized inundation of property not under the ownership of the permit holder.

The permittee shall commence and complete the construction of any proposed works within 20 years from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond 20 years from the date of permit issuance.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued APRIL 28, 2008



for Phillip C. Ward, Director
Water Resources Department

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-15887

Final Order

Appeal Rights

This is a final order in other than contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

This statement of judicial review rights does not create a right to judicial review of this order, if judicial review is otherwise precluded by law. Where no changes have been made to a Proposed Final Order on a water right application and no protests have been filed during the protest period, the final order is not subject to judicial review.

Application History

On December 5, 2002, CITY OF BANKS submitted an application to the Department for a water use permit. The Department issued a Proposed Final Order on December 4, 2007. The protest period closed January 18, 2008, and no protest was filed.

The proposed use would not impair or be detrimental to the public interest.

Order

Application G-15887 is therefore approved as proposed by the Proposed Final Order. Upon payment of outstanding fees in the amount of \$300.00, a permit shall be issued authorizing the proposed water use.

Failure to meet this requirement within 60 days from the date of this Final Order may result in the proposed rejection of the application.

If you need to request additional time, your written request should be received in the Salem office of the Department within 60 days of this Final Order. The Department will evaluate the request and determine whether or not the request may be approved.

DATED April 7, 2008

E. Timothy Wall

for Phillip C. Ward, Director
Water Resources Department

This document was prepared by Kerry Kavanagh. If you have any questions about any of the statements contained in this document I am most likely the best person to answer your questions. You can reach me at 503-986-0816.

If you have previously filed a protest and want to know its status, please contact Patricia McCarty at 503-986-0820.

If you have other questions about the Department or any of its programs please contact our Customer Service Group at 503-986-0801.

Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266, Fax: 503-986-0901.

DRAFT

This is not a permit.
STATE OF OREGON

DRAFT

COUNTY OF WASHINGTON

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

CITY OF BANKS
100 S MAIN ST
BANKS, OR 97106

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15887

SOURCE OF WATER: A WELL (WASH 62373) IN WEST FORK DAIRY CREEK BASIN

PURPOSE OR USE: MUNICIPAL USE

MAXIMUM RATE: 1.0 CUBIC FOOT PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: DECEMBER 5, 2002

WELL LOCATION (WELL 4 ON APPLICATION MAP):

NE ¼ NW ¼, SECTION 31, T2N, R3W, W.M.; 120 FEET SOUTH & 2070 FEET
EAST FROM NW CORNER, SECTION 31

THE PLACE OF USE IS LOCATED AS FOLLOWS:

WITHIN THE SERVICE BOUNDARY OF THE CITY OF BANKS

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit an annual report which includes the recorded water use measurements to the Department by December 1 of each year. Further, the Director may require the permittee to report general water-use information, including the place and nature of use of water under the permit.

- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
- (1) Use of water from the well, as allowed herein, shall be controlled or shut off if the well displays:
 - (a) An average water level decline of three or more feet per year for five consecutive years; or
 - (b) A total water level decline of fifteen or more feet; or
 - (c) A hydraulic interference decline of fifteen or more feet in any neighboring well providing water for senior exempt uses or wells covered by prior rights.
 - (2) The permittee/appropriator shall be responsible for complying with each of the following requirements for measuring water levels in the well.
 - (a) Use of water from a new well shall not begin until an initial static water level in the well has been measured and reported to the Department.
 - (b) In addition to the measurement required in subsection (a) of this section, a water level measurement shall be made each year during the period March 1 through March 31.
 - (c) All water level measurements shall be made by a qualified individual. Qualified individuals are certified water rights examiners, registered geologists, registered professional engineers, licensed land surveyors, licensed water well constructor, licensed pump installer, or the permittee/appropriator.
 - (d) Any qualified individual measuring a well shall use standard methods of procedure and equipment designed for the purpose of well measurement. The equipment used shall be well suited to the conditions of construction at the well. A list of standard methods of procedure and suitable equipment shall be available from the Department.
 - (e) The permittee/appropriator shall report the record of measurement to the Department on a form available from the Department. The record of measurement shall include both measurements and calculations, shall include a certification as to their accuracy signed by the individual making the measurements, and shall be submitted to the Department within

90 days from the date of measurement. The Department shall determine when any of the declines cited in section (1) are evidenced by the well measurement required in section (3).

STANDARD CONDITIONS

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The well(s) shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

This permit does not allow unauthorized inundation of property not under the ownership of the permit holder.

The permittee shall commence and complete the construction of any proposed works within 20 years from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond 20 years from the date of permit issuance.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued _____, 2008

DRAFT - THIS IS NOT A PERMIT

for Phillip C. Ward, Director
Water Resources Department

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-15887

Prior to the issuance of a permit, the Department must receive permit recording fees in the amount of \$300.00. Please include your application number on your check made out to the Oregon Water Resources Department.

Proposed Final Order

Summary of Recommendation: The Department recommends that the attached draft permit be issued with conditions.

Application History

On December 5, 2002, CITY OF BANKS submitted an application to the Department for the following water use permit:

- Amount of Water: 1.0 CUBIC FOOT PER SECOND (CFS)
- Use of Water: MUNICIPAL USE
- Source of Water: WELL 1, WELL 2, WELL 3, AND WELL 4, WELL 5 IN WEST FORK DAIRY CREEK BASIN
- Area of Proposed Use: WASHINGTON COUNTY WITHIN SECTION 30 AND SECTION 31, TOWNSHIP 2 NORTH, RANGE 3 WEST, W.M.; AND SECTION 36, TOWNSHIP 2 NORTH, RANGE 4 WEST, W.M.

On July 18, 2003, the Department mailed the applicant notice of its Initial Review, determining that "the use of 1.0 cubic foot per second of water from a well in West Fork Dairy Creek Basin for municipal use is not allowable, and it appears unlikely that you will be issued a permit." The applicant did not notify the Department to stop processing the application within 14 days of that date.

On July 22, 2003, the Department gave public notice of the application in its weekly notice. The public notice included a request for comments, and information for interested persons about both obtaining future notices and a copy of the proposed final order.

Within 30 days of the Department's public notice, written comments were received from the applicant requesting an administrative hold on processing of the application.

On October 12, 2004, the City of Banks submitted an amendment to the application, stating that one well would be drilled on City-owned land at location Well 4 (WASH 62373), as depicted on the application map.

On November 7, 2007, the Department completed a second Public Interest Review, which considered the amendment to the application.

In reviewing applications, the Department may consider any relevant sources of information, including the following:

- recommendations by other state agencies
- any applicable basin program
- any applicable comprehensive plan or zoning ordinance
- the amount of water available
- the rate and duty for the proposed use
- pending senior applications and existing water rights of record
- designations of any critical ground water areas
- the Scenic Waterway requirements of ORS 390.835
- applicable statutes, administrative rules, and case law
- any general basin-wide standard for flow rate and duty of water allowed
- the need for a flow rate and duty higher than the general standard
- any comments received

Findings of Fact

The Willamette Basin Program allows MUNICIPAL USE.

A WELL (WASH 62373) IN WEST FORK DAIRY CREEK BASIN is not within or above a State Scenic Waterway.

Groundwater Findings Under OAR 690-09

The Department determined, consistent with OAR 690-09-040, that the proposed ground water use will not have the potential for substantial interference with nearby surface water sources. In making this determination, the Department considered the following factors:

- (a) Whether there is hydraulic connection from the proposed well(s) to any surface water sources.
- (b) Whether or not the point of appropriation is a horizontal distance less than one-fourth mile from the surface water source;
- (c) Whether or not the rate of appropriation is greater than five cubic feet per second, if the point of appropriation is a horizontal distance less than one mile from the surface water source;
- (d) Whether or not the rate of appropriation is greater than one percent of the pertinent adopted minimum perennial streamflow or instream water right with a senior priority date, if one is applicable, or of the discharge that is equaled or exceeded 80 percent of time, as determined or estimated by the Department, and if the point of appropriation is a horizontal distance less than one mile from the surface water source;

- (e) Whether the ground water appropriation, if continued for a period of 30 days, would result in stream depletion greater than 25 percent of the rate of appropriation, if the point of appropriation is a horizontal distance less than one mile from the surface water source.
- (f) Whether there is the potential for a reduction in streamflow or surface water supply; or
- (g) Whether there is the potential to impair or detrimentally affect the public interest as expressed by an applicable closure on surface water appropriation, minimum perennial streamflow, or instream water right with a senior priority date; or
- (h) The percentage of the ground water appropriation that was, or would have become, surface water; or
- (i) Whether potential interference would be immediate or delayed; or
- (j) The potential for a cumulative adverse impact on streamflow or surface water supply.

Because there is no potential for substantial interference, there is no need to consider surface water issues.

An assessment of ground water availability has been completed by the Department's Ground Water/Hydrology section. A copy of this assessment is in the file. The proposed water use will, if properly conditioned, avoid injury to existing rights and the resource.

The Department finds that the amount of water requested, 1.0 CFS, is an acceptable amount.

The proposed well is not within a designated critical ground water area.

Conclusions of Law

Under the provisions of ORS 537.621, the Department must presume that a proposed use will ensure the preservation of the public welfare, safety and health if the proposed use is allowed in the applicable basin program established pursuant to ORS 536.300 and 536.340 or given a preference under ORS 536.310(12), if water is available, if the proposed use will not injure other water rights and if the proposed use complies with rules of the Water Resources Commission.

The proposed use requested in this application is allowed in the Willamette Basin Program, or a preference for this use is granted under the provisions of ORS 536.310(12).

Water is available for the proposed use.

The proposed use will not injure other water rights.

The proposed use complies with other rules of the Water Resources Commission not otherwise described above.

The proposed use complies with the State Agency Agreement for land use.

No proposed flow rate and duty of water higher than the general basin-wide standard is needed.

For these reasons, the required presumption has been established.

Under the provisions of ORS 537.621, once the presumption has been established, it may be overcome by a preponderance of evidence that either:

- (a) One or more of the criteria for establishing the presumption are not satisfied; or
- (b) The proposed use would not ensure the preservation of the public welfare, safety and health as demonstrated in comments, in a protest . . . or in a finding of the department that shows:
 - (A) The specific aspect of the public welfare, safety and health under ORS 537.525 that would be impaired or detrimentally affected; and
 - (B) Specifically how the identified aspect of the public welfare, safety and health under ORS 537.525 would be impaired or be adversely affected.

In this application, all criteria for establishing the presumption have been satisfied, as noted above. The presumption has not been overcome by a preponderance of evidence that the proposed use would impair or be detrimental to the public interest.

The Department therefore concludes that water is available in the amount necessary for the proposed use; the proposed use will not result in injury to existing water rights; and the proposed use would ensure the preservation of the public welfare, safety and health as described in ORS 537.525.

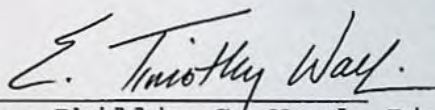
When issuing permits, ORS 537.628(1) authorizes the Department to include limitations and conditions which have been determined necessary to protect the public welfare, safety, and health. The attached draft permit is conditioned accordingly.

Recommendation

The Department recommends that the attached draft permit be issued with conditions.

DATED December 4, 2007

*If you have any questions,
please check the information
box on the last page for the
appropriate names and
phone numbers.*


for Phillip C. Ward, Director
Water Resources Department

Protests

Under the provisions of ORS 537.153(7) (for surface water) or ORS 537.621(8) (for ground water), you can protest this proposed final order. Protests must be received in the Water Resources Department no later than **January 18, 2008**. Protests must be in writing, and must include the following:

- Your name, address, and telephone number;
- A description of your interest in the proposed final order, and, if you claim to represent the public interest, a precise statement of the public interest represented;
- A detailed description of how the action proposed in this proposed final order would impair or be detrimental to your interest;
- A detailed description of how the proposed final order is in error or deficient, and how to correct the alleged error or deficiency;
- Any citation of legal authority to support your protest, if known; and
- If you are not the applicant, the protest fee of \$350 required by ORS 536.050 and proof of service of the protest upon the applicant.
- If you are the applicant, a statement of whether or not you are requesting a contested case hearing. If you do not request a hearing, the Department will presume that you do not wish to contest the findings of the proposed final order.

- *If you do not protest this Proposed Final Order and if no substantive changes are made in the final order, you will not have an opportunity for judicial review, protest or appeal of the final order when it is issued.*

Requests for Standing

Under the provisions of ORS 537.153(7) (for surface water) or ORS 537.621(8) (for ground water), persons other than the applicant who support a proposed final order can request standing for purposes of participating in any contested case proceeding on the proposed final order or for judicial review of a final order.

Requests for standing must be received in the Water Resources Department no later than **January 18, 2008**. Requests for standing must be in writing, and must include the following:

- The requester's name, mailing address and telephone number;
- If the requester is representing a group, association or other organization, the name, address and telephone number of the represented group;
- A statement that the requester supports the proposed final order as issued;
- A detailed statement of how the requester would be harmed if the proposed final order is modified; and
- A standing fee of \$100.00. If a hearing is scheduled, an additional fee of \$250.00 must be submitted along with a request for intervention.

After the protest period has ended, the Director will either issue a final order or schedule a contested case hearing. The contested case hearing will be scheduled only if a protest has been submitted and either:

- upon review of the issues, the director finds that there are significant disputes related to the proposed use of water, or
- the applicant requests a contested case hearing within 30 days after the close of the protest period.

This document was prepared by Kerry Kavanagh. If you have any questions about any of the statements contained in this document I am most likely the best person to answer your questions. You can reach me at 503-986-0816.

If you have questions about how to file a protest or a request for standing, please refer to the respective sections in this Proposed Final Order entitled "Protests" and "Requests for Standing". If you have previously filed a protest and want to know its status, please contact Patricia McCarty at 503-986-0820.

If you have other questions about the Department or any of its programs please contact our Customer Service Group at 503-986-0801. Address all other correspondence to:

Water Rights Section, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266, Fax: 503-986-0901.

DRAFT

This is not a permit.
STATE OF OREGON

DRAFT

COUNTY OF WASHINGTON

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

CITY OF BANKS
100 S MAIN ST
BANKS, OR 97106

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15887

SOURCE OF WATER: A WELL (WASH 62373) IN WEST FORK DAIRY CREEK BASIN

PURPOSE OR USE: MUNICIPAL USE

MAXIMUM RATE: 1.0 CUBIC FOOT PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: DECEMBER 5, 2002

WELL LOCATION (WELL 4 ON APPLICATION MAP):

NE ¼ NW ¼, SECTION 31, T2N, R3W, W.M.; 120 FEET SOUTH & 2070 FEET
EAST FROM NW CORNER, SECTION 31

THE PLACE OF USE IS LOCATED AS FOLLOWS:

WITHIN THE SERVICE BOUNDARY OF THE CITY OF BANKS

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit an annual report which includes the recorded water use measurements to the Department by December 1 of each year. Further, the Director may require the permittee to report general water-use information, including the place and nature of use of water under the permit.

- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
- (1) Use of water from the well, as allowed herein, shall be controlled or shut off if the well displays:
 - (a) An average water level decline of three or more feet per year for five consecutive years; or
 - (b) A total water level decline of fifteen or more feet; or
 - (c) A hydraulic interference decline of fifteen or more feet in any neighboring well providing water for senior exempt uses or wells covered by prior rights.
 - (2) The permittee/appropriator shall be responsible for complying with each of the following requirements for measuring water levels in the well.
 - (a) Use of water from a new well shall not begin until an initial static water level in the well has been measured and reported to the Department.
 - (b) In addition to the measurement required in subsection (a) of this section, a water level measurement shall be made each year during the period March 1 through March 31.
 - (c) All water level measurements shall be made by a qualified individual. Qualified individuals are certified water rights examiners, registered geologists, registered professional engineers, licensed land surveyors, licensed water well constructor, licensed pump installer, or the permittee/appropriator.
 - (d) Any qualified individual measuring a well shall use standard methods of procedure and equipment designed for the purpose of well measurement. The equipment used shall be well suited to the conditions of construction at the well. A list of standard methods of procedure and suitable equipment shall be available from the Department.
 - (e) The permittee/appropriator shall report the record of measurement to the Department on a form available from the Department. The record of measurement shall include both measurements and calculations, shall include a certification as to their accuracy signed by the individual making the measurements, and shall be submitted to the Department within

90 days from the date of measurement. The Department shall determine when any of the declines cited in section (1) are evidenced by the well measurement required in section (3).

STANDARD CONDITIONS

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The well(s) shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

This permit does not allow unauthorized inundation of property not under the ownership of the permit holder.

The permittee shall commence and complete the construction of any proposed works within 20 years from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond 20 years from the date of permit issuance.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued _____, 2007

DRAFT - THIS IS NOT A PERMIT

for Phillip C. Ward, Director
Water Resources Department

Mailing List for PERMIT Copies

Application #G-15887

Original mailed to applicant with claim of beneficial use form:

CITY OF BANKS
100 S MAIN ST
BANKS OR 97106

Copies sent to:

1. WRD - File # G-15887

Copies Mailed	
By: <u>CNS</u>	(SUPPORT STAFF)
on: <u>4/29/08</u>	(DATE)

FO and Map Copies sent to (remember to reduce copy margins):

2. WRD - Watermaster District #: 18

Copies sent to Other Interested Persons (CWRE, Agent, Commenter, etc.)

3. Justin Iverson, Golder Associates, 9 Monroe Parkway, Suite 270, Lake Oswego, OR 97035
4. Colm Moore, Schroeder Offices, 1915 NE 39th Avenue, Portland, OR 97212

"\$10 LETTER" sent to Interested Persons who have not protested or paid for copies

- 1.

CASEWORKER : Kerry Kavanagh

Mailing List for FO Copies

Application #G-15887

Original mailed to applicant with claim of beneficial use form:

CITY OF BANKS
100 S MAIN ST
BANKS OR 97106

Copies sent to: 1. WRD - File # G-15887

2. ~~WRD - Dam Safety (for reservoir applications only)~~

Copies Mailed	
By:	<u>GIS</u> (SUPPORT STAFF)
on:	<u>4/7/08</u> (DATE)

FO and Map Copies sent to (remember to reduce copy margins):

3. WRD - Watermaster District #: 18

Copies sent to Other Interested Persons (CWRE, Agent, Commenter, etc.)

4. Justin Iverson, Golder Associates, 9 Monroe Parkway, Suite 270, Lake Oswego, OR 97035

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"\$10 LETTER" sent to Interested Persons who have not protested or paid for copies

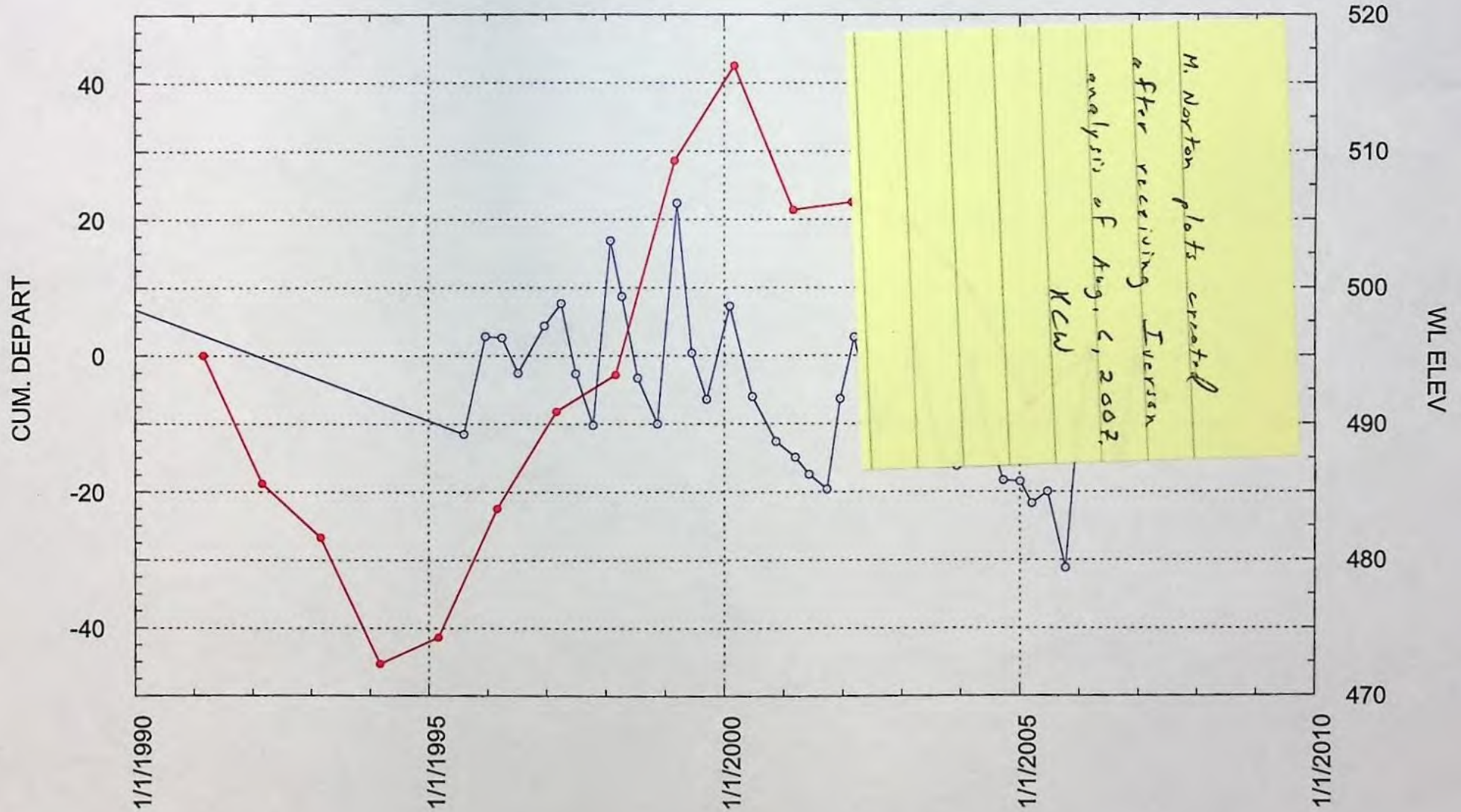
1.

CASEWORKER : Kerry Kavanagh

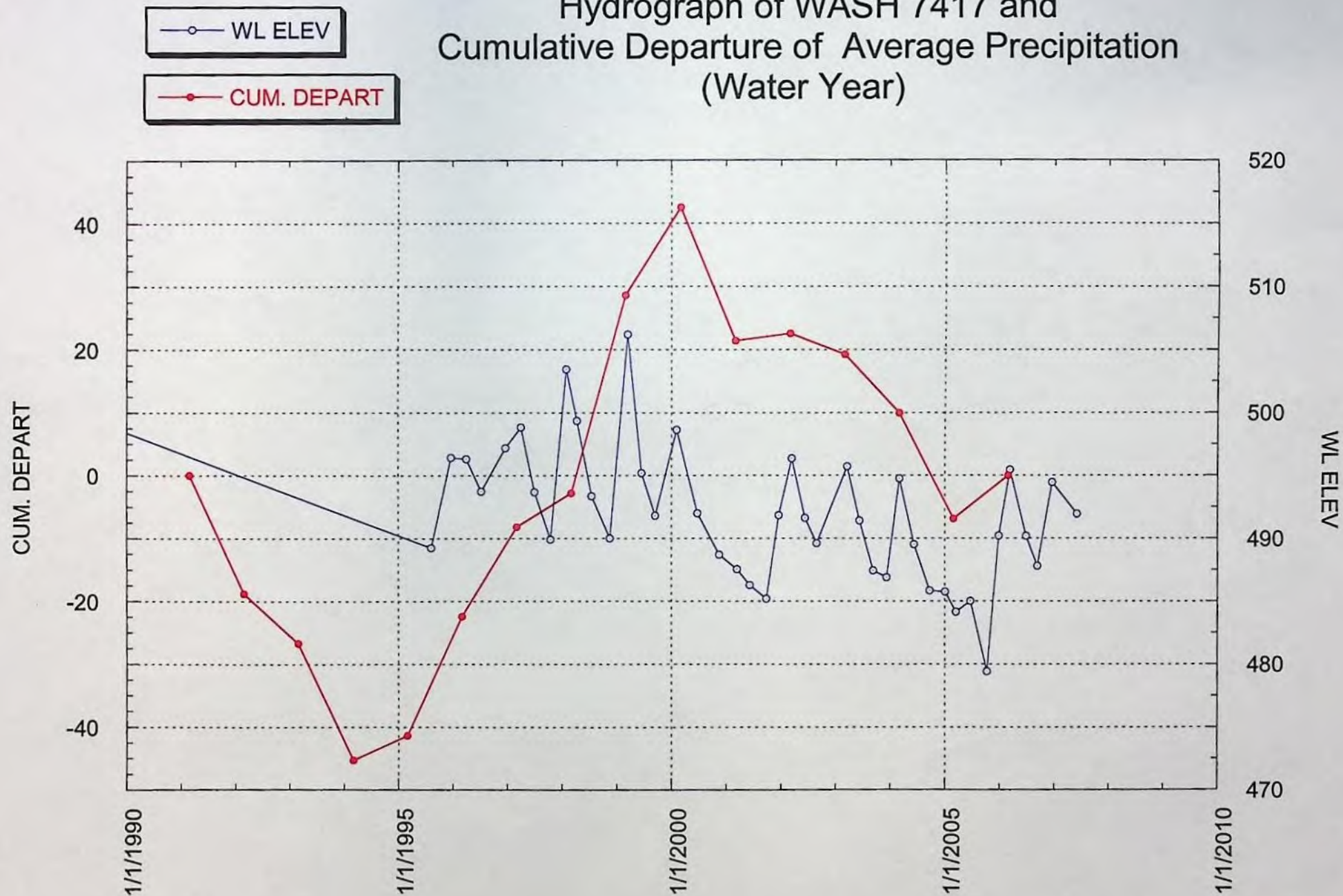
Hydrograph of WASH 7417 and Cumulative Departure of Average Precipitation (Water Year)

WL ELEV

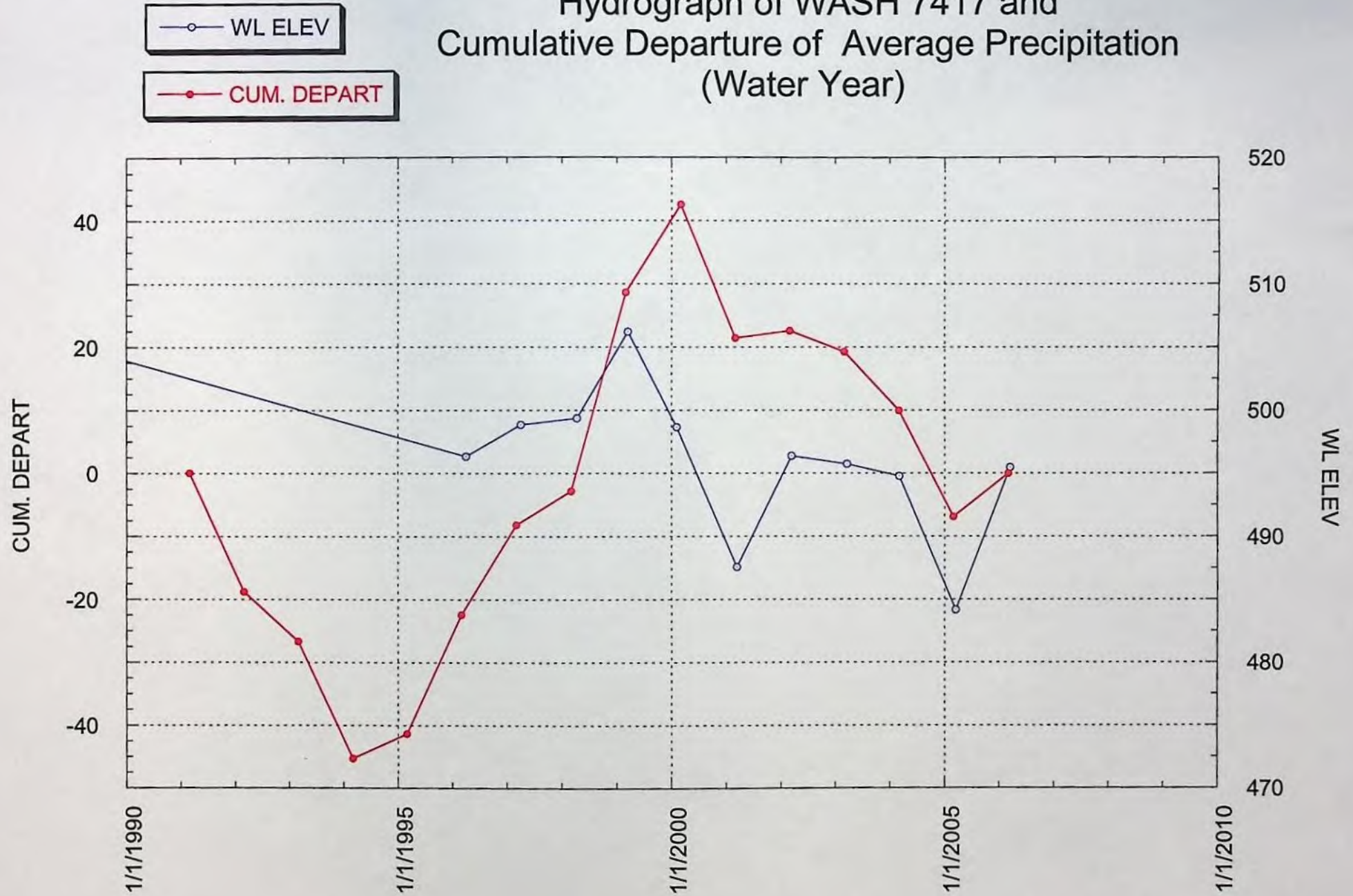
CUM. DEPART



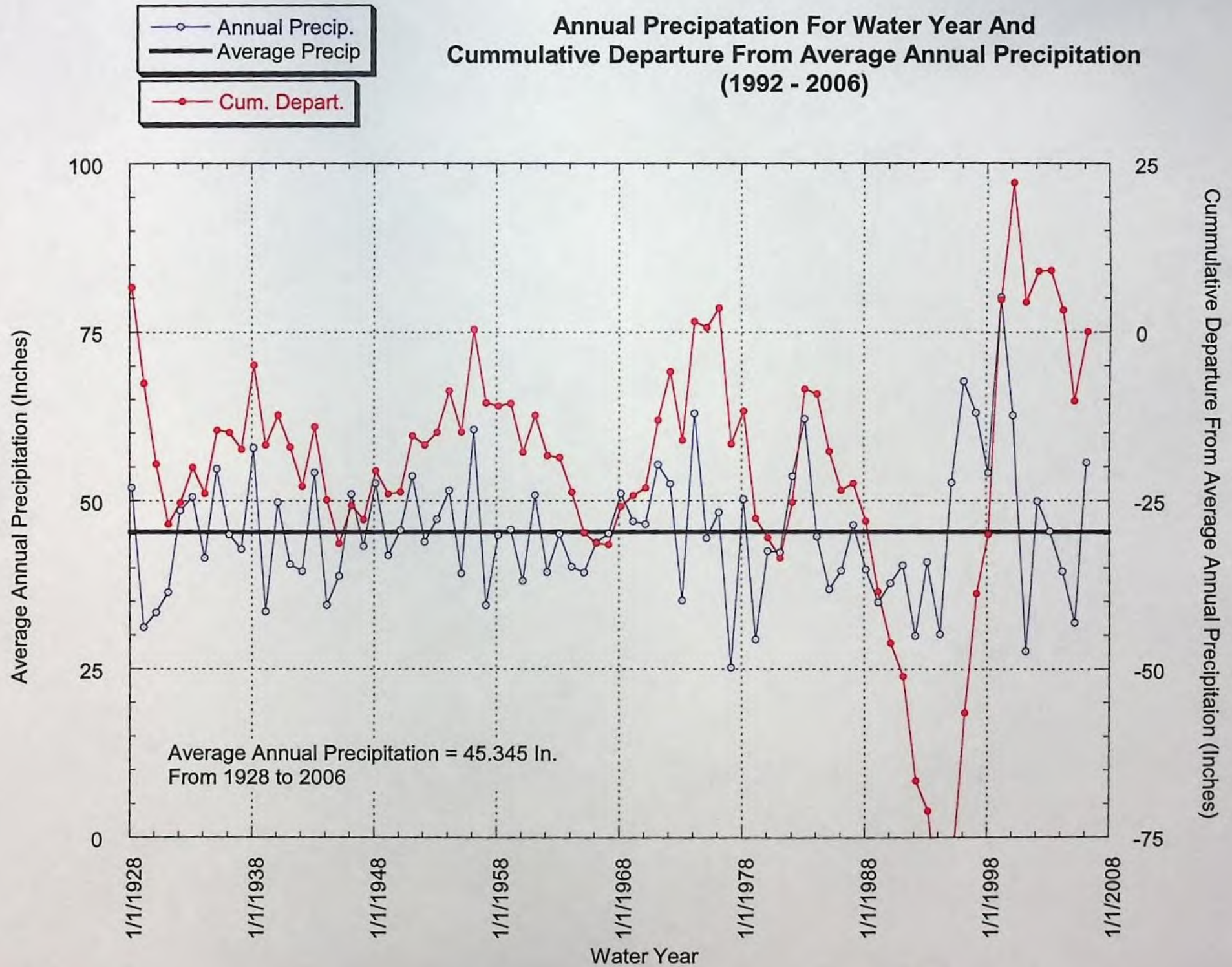
Hydrograph of WASH 7417 and Cumulative Departure of Average Precipitation (Water Year)



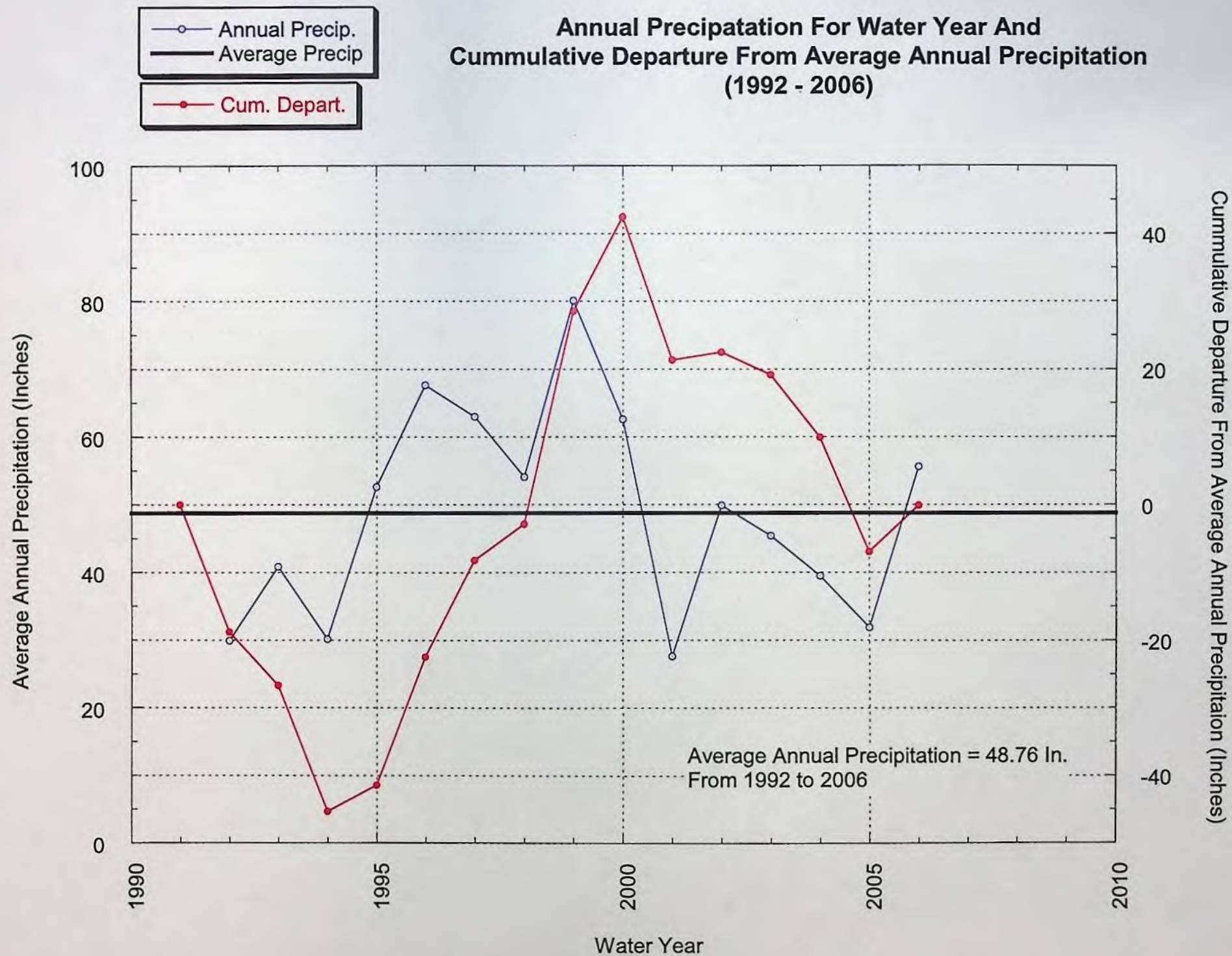
Hydrograph of WASH 7417 and Cumulative Departure of Average Precipitation (Water Year)



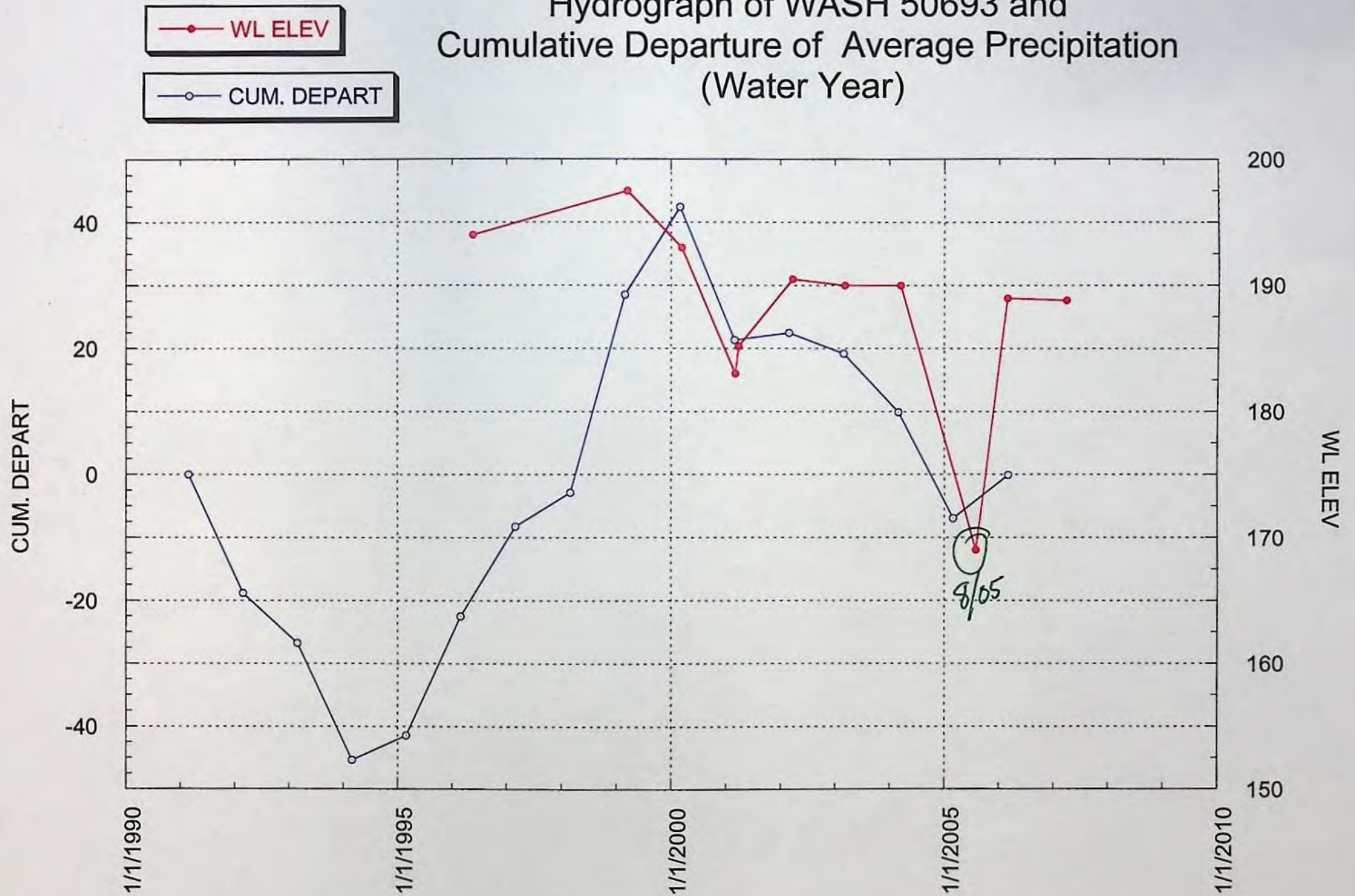
Annual Precipitation For Water Year And Cummulative Departure From Average Annual Precipitation (1992 - 2006)



Annual Precipitation For Water Year And Cummulative Departure From Average Annual Precipitation (1992 - 2006)

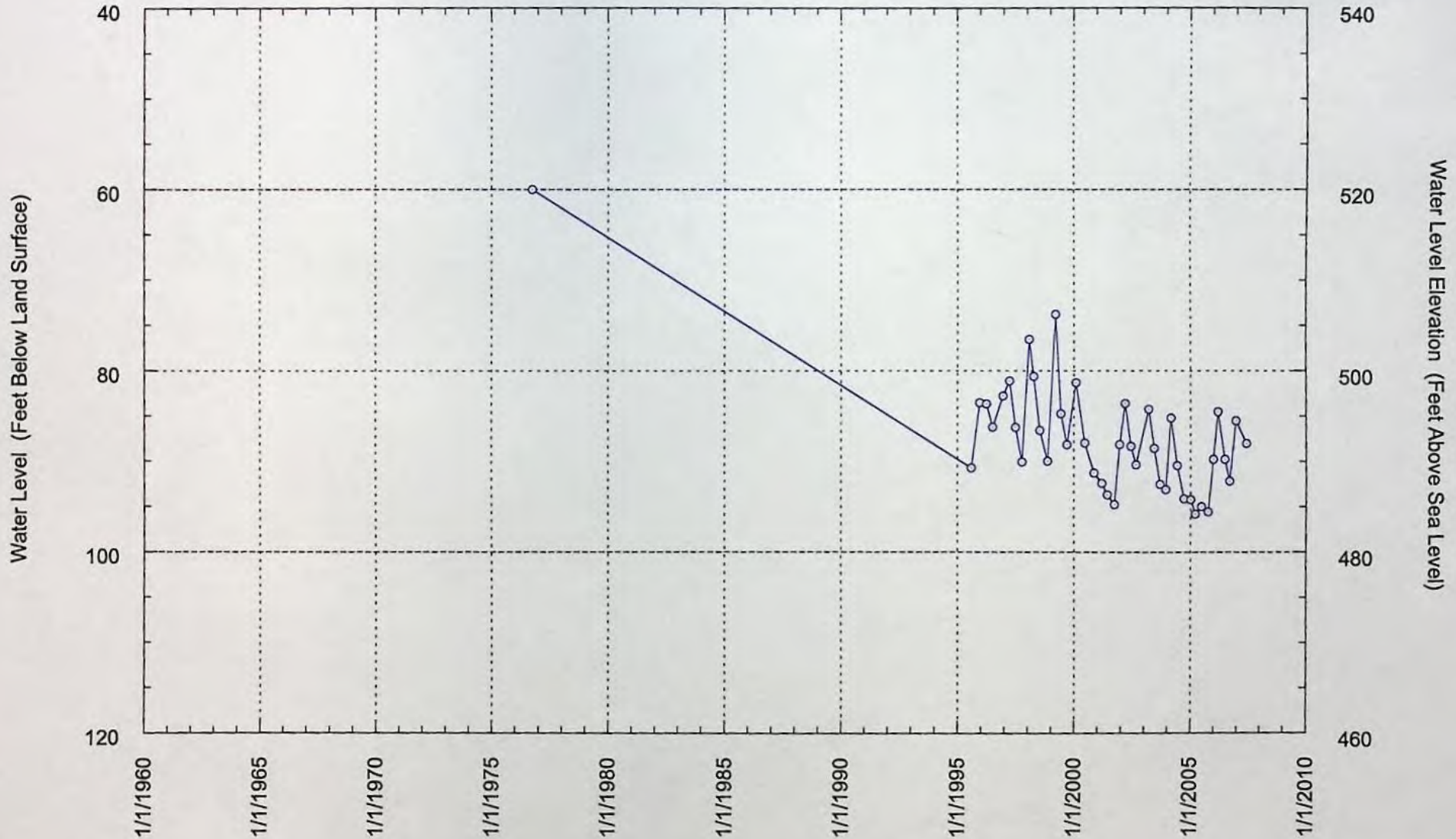


Hydrograph of WASH 50693 and Cumulative Departure of Average Precipitation (Water Year)

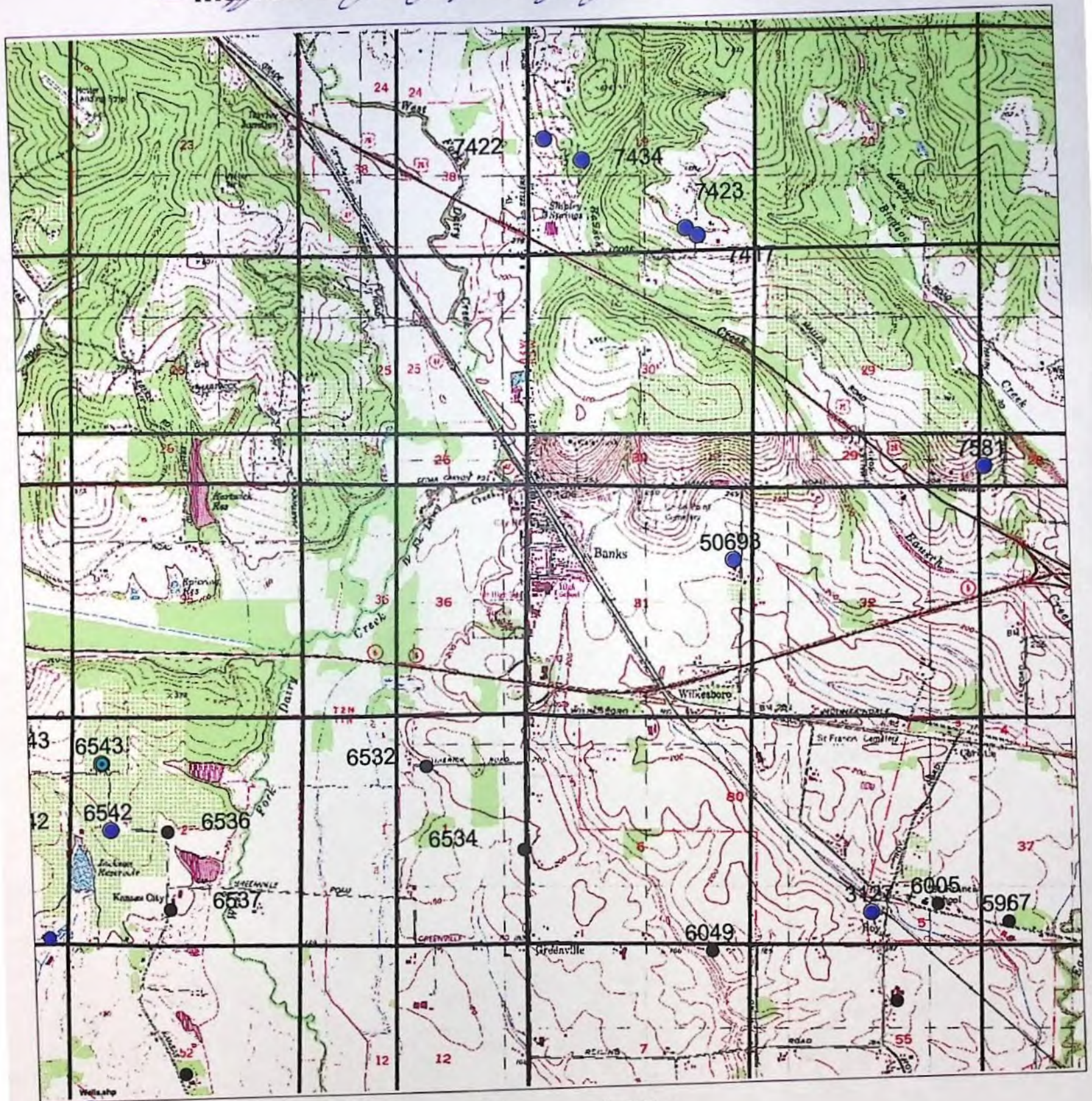


WASHINGTON COUNTY
OWRD LOGID WASH 7417
02N/3W-19DDC

Day (Welton Well)
Lithology: Basalt
Aquifer: Columbia River Basalts
Land surface elevation: 580'
Well Depth: 145'



Limited License LL-1078 Marion & Yamhill County, Newberg Quad



- Current Obs Well
- Noncurrent Obs Well
- Other Wells
- Other Wells
- c
- N
- Gw.s.h.p

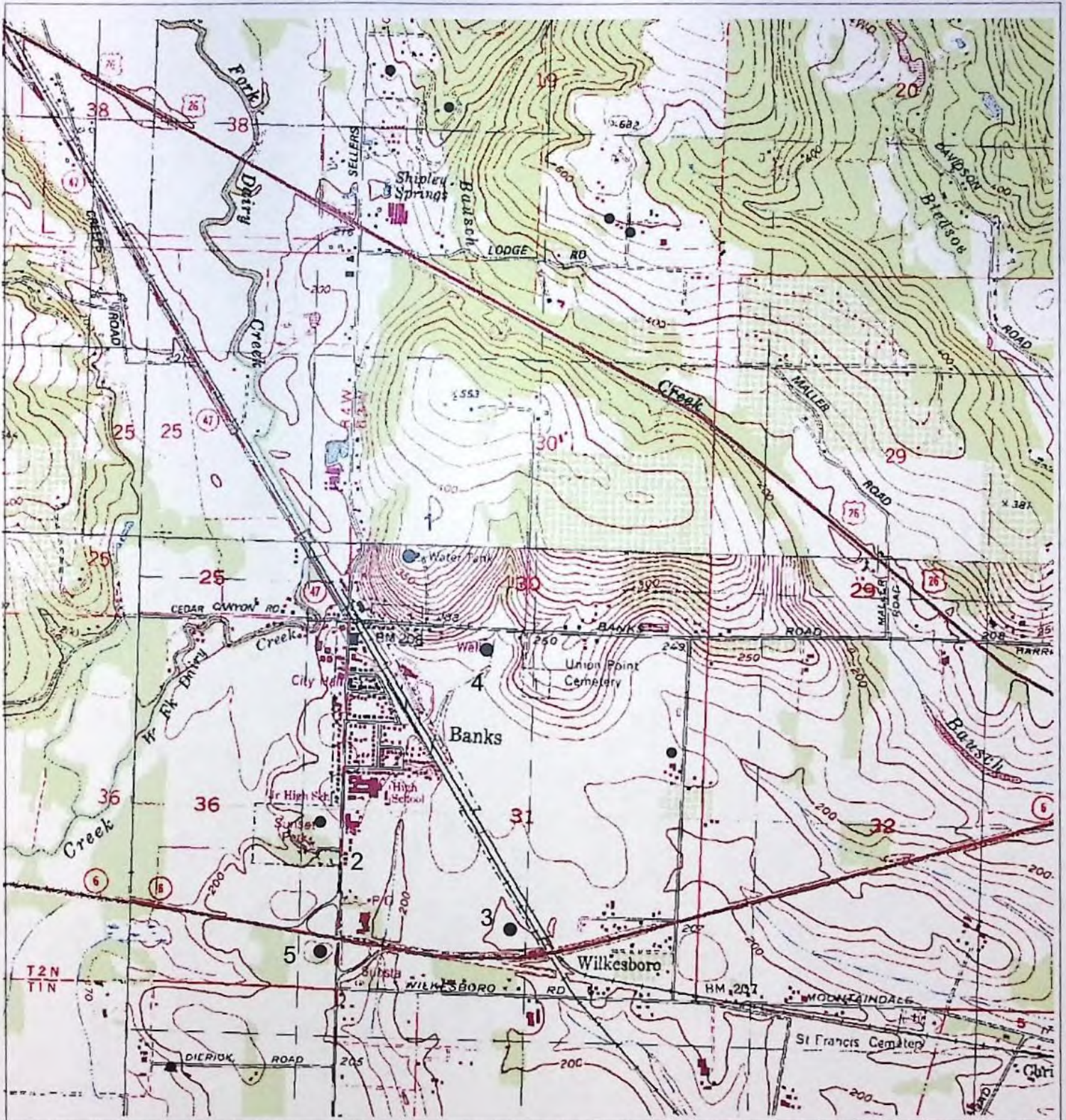
0.5 0 0.5 1 Miles



1:24000 Scale

This product is for informational purposes and may not have been prepared for, or be suitable for legal engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Well Locations for Application G-15887



0.4

0

0.4

0.8 Miles





Golder Associates Inc.

9 Monroe Parkway, Suite 270
Lake Oswego, OR USA 97035
Telephone (503) 607-1820
Fax (503) 607-1825
www.golder.com



6 August 2007

Our Ref.: 073-99731

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

Attention: Kerry Kavanagh, Caseworker for Application G-15887

RE: APPLICATION G-15887 INITIAL REVIEW

Dear Kerry,

The Oregon Water Resources Department (Department) delivered an initial review of Application G-15887 to the City of Banks (City) in a letter dated July 18th, 2003. The initial review indicated the Department had determined the groundwater resource was over-appropriated and that the 1-cfs requested is beyond the capacity of the resource and would cause injury to prior rights. The City met with the Department on September 13th, 2003 to discuss the initial review, at which time the Department indicated that it may be possible to issue a permit to the City with several standard conditions. The City placed the application on administrative hold in order to assess their options, and has now developed a water supply strategy that includes further development of the CRB aquifer in the vicinity of the City for municipal use. The City now wishes to move forward with processing Application G-15887. The Department's initial response was based on information available at the time. We would like the Department to consider the content of this letter as supplemental information with respect to groundwater availability, and to reassess the initial Groundwater Section review before preparing the permit PFO.

At the request of the City, Golder Associates Inc. (Golder) evaluated the Groundwater Section review that led to the Department's unfavorable initial determination regarding the City's groundwater Application G-15887. Golder also obtained the most recent water level records for the nine wells used in the groundwater review from the Department's water level database (available online). Meteorological data available from the nearby station in Forest Grove was acquired as well. Water level records were compared to meteorological data to re-assess whether (and to what degree) observed water level trends in the CRB aquifer are due to precipitation trends as opposed to over-pumping.

We believe that this evaluation demonstrates that the aquifer system is more complex than previously described, and not all the reference wells appear to be completed in the same aquifer. In addition, we believe that the data support the conclusion that some portions of the system do not appear to be over-appropriated. This letter details the findings of the review, and supports a recommendation that the Department grant a permit to the City for the development of 1-cfs from the Columbia River Basalt aquifer at the location described in the application.

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**WATER RESOURCES DEPT
SALEM, OREGON**

Background

On June 6, 2003 the OWRD Groundwater Section reviewed Application G-15887, submitted by the City of Banks. The review included available water levels recorded in nine wells within an approximate 5-mile radius of the proposed City well, and a review of existing water rights in four adjacent Townships (approximately 144 square miles). Based on declining water level trends, the Department concluded that the basalt aquifer in the vicinity of Banks was over-appropriated and that the volume requested would likely exceed the capacity of the groundwater resource and injure senior water rights holders. OWRD noted this determination in their statement of initial review dated July 18, 2003, and indicated to the City that issuance of a permit was unlikely.

The City met with the Department on September 13th, 2003 to discuss the initial review, at which time the Department indicated that it may be possible to issue a permit with standard conditions to the City. The City at that time placed the application on administrative hold in order to assess their water resource options. In a letter dated October 12th, 2004, the City indicated to the Department that it intended to install a new well on City-owned property located in the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 31, Township 2N, Range 3W, and that it would like to amend the application to include only this well (well #4 on the original application). The City also requested a copy of the initial Groundwater Section review and indicated that it would complete a revised land use information form for the intended well site to accompany the application. The new well was installed in May 2005 (WASH 62373), and a Land Use Information Form for the site of WASH 62373 is included with this letter.

In a memo dated November 7, 2005 the Department Groundwater Section reviewer provided the data and information used to make the initial determination of groundwater availability to the City of Banks. This data package included a water right summary, well logs, water level data, and individual water level plots (hydrographs) for each of the nine wells used to make the determination. Also included were remarks regarding the amount of drawdown noted in each well and the status of conditioned water rights in four townships adjacent to the originally proposed well locations.

Evaluation of OWRD Groundwater Review of Application G-15887

Golder downloaded the most recent water level data available for each of the nine observation wells from the Department's website and produced a set of hydrographs. We have used these updated plots to re-assess the original conclusions made in the Groundwater Section review of Application G-15887 in the context of the City's clarification that it will use a single well/point of diversion; WASH 62373.

Hydraulic Connection between WASH 62373 and Existing Wells

The nine wells examined by the Groundwater Section during the groundwater review were apparently selected based on their proximity to the proposed well site(s) noted in Application G-15887 (see Figure 1 for well locations). However, the Columbia River Basalt Aquifer (CRBA) is recognized as compartmentalized by faults in the Tualatin Basin, and proximity may not be a singular determinant that any two wells are completed in the same aquifer. Static water level can be used as an indication of hydraulic connection between wells; if two proximal wells completed at similar depths in similar material have the same (or similar) water level they are generally considered to be hydraulically connected.

Available water level data were plotted as elevation referenced to mean sea level in order to confirm hydraulic connection between the proposed well and the nine observation wells utilized in the

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Department's groundwater review (see Figure 2). The hydrographs presented in Figure 2 readily indicate the presence of three distinct hydraulic pressure regimes within a five mile radius of WASH 62373, with water levels clustered around 100, 200, and 500 feet in elevation (amsl). Water level measurements from the City's two existing supply wells (including well WASH 62373) show that water levels in the area are between 180 and 190 ft amsl, placing them in the hydrologic regime of the wells with water levels near 200 ft amsl. We believe that the Department would consider the observed differences in head sufficient to make distinct "aquifer" designations. Consequently, we do not believe that wells exhibiting pressure elevations different from those observed at the proposed groundwater appropriation location (200 ft amsl) should be considered when evaluating trends to assess the sustainability of current pumping rates, as they appear to represent a distinctly separate hydrologic regime. Based on these observations and the known characteristics of the CRBA we have removed wells exhibiting water level elevations near 100 and 500 ft amsl from further consideration in this analysis.

Hydraulic Conditions in the Vicinity of WASH 62373

The hydraulic conditions of the CRBA in the vicinity of WASH 62373 were re-assessed using water level records from four wells proximal to the proposed location (between ½ and 3 miles) and having water levels similar to that measured at WASH 62373 – the well designated in Application G-15887. The analyzed observation wells are summarized in Table 1 below, and water level hydrographs for the four wells are presented in Figure 3. Table 2 summarizes comments made in the November 7, 2005 memo from the Groundwater Section regarding the initial review of Application G-15887, along with our contrasting observations based on a more complete data set (presented in Figure 3).

TABLE 1: Summary of Pertinent Observation Wells

OWRD Log ID	OWRD Site Name	Approximate Distance and Direction from Proposed App G-15887 Well	Associated Application #	Associated Permit #
WASH 50693	QUAIL VALLEY GOLF COURSE	0.5 miles east	G-14429	G-13543
WASH 7581	WREN (OLSON WELL)	1.5 miles east	G-9241	G-8564
WASH 6542	LEWIS WELL	2.5 miles southwest	No water right - domestic well	
WASH 6556	Thompson Nursery	3 miles southwest	G-14504	G-13357

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WATER RESOURCES DEPT
SALEM, OREGON

TABLE 2: Summary of Initial Review Comments and Comparable Water Level Records

OWRD Log ID	OWRD Groundwater Section Initial Review Comments	Comparisons of Early and Most Recent (March) Water Levels
WASH 50693	"Condition Triggered"	1999-2005, 8.5 ft decline (condition not triggered)
WASH 7581	"Since 91 - 14.91' decline"	1997-2004, 5.2 ft decline, 65% smaller.
WASH 6542	"Since 97 - 34.3' decline - rising water levels"	1999-2004, less than 15.1 ft decline, 55% smaller (Water levels were rising during the collection of the last March measurement, i.e. not static and not representative of aquifer conditions)
WASH 6556	"Since 98 - 17.68' decline"	1998-2005, 17.7 ft decline. Same time period used, so same conclusion as OWRD.

In several instances, the Department's water level decline observations were developed by comparing the most recent (as of June 2003) water level with either the highest water level record, or something other than the first March water level record. We believe that it is necessary to compare water levels from similar times of year to remove the effects of seasonal variability from the trend assessment. The Department commonly issues permits that require static water level measurements be collected in the month of March in order to create a dataset of comparable water level data. These March measurements are generally relied upon to make determinations of compliance with any water level related permit conditions. The second column of Table 2 summarizes our observations of water level declines based on a comparison of the first recorded March water level and the last recorded March water level on record. This March to March comparison indicates that water level declines are approximately one third to one half that indicated in the Groundwater Section review documentation (with the exception of WASH 6556, in which only March water level data exists).

Water Level Trend Comparisons to Precipitation

Annual static March water levels observed over the past 7-years correlate well with precipitation during the preceding wet season. Figure 4 presents water levels for three wells along with cumulative annual precipitation records and period of record average precipitation recorded at a weather station in Forest Grove, approximately 8-miles south of the proposed appropriation site. The domestic well WASH 6542 was not included because most of the recorded measurements are non-static water levels. The plot indicates that early March water levels were generally collected during a series of water years with above average precipitation (between WY96 and WY99), while the most recent March water levels were collected during or after water years with below average precipitation (WY04 and WY05). Based on Figure 4, the observed declining precipitation trends from WY99 to WY01 and from WY02 to WY05 appear to be the primary cause of declining levels in the aquifer over the past decade. Declines not associated with precipitation are not apparent, indicating that this portion of the aquifer system does not appear to be experiencing "mining" due to over-pumping.

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SALEM, OREGON

The observation wells examined in this study are between 240 and 630 feet deep, and have static March water levels (most recently) between 15 and 60 feet below ground surface. With a total available drawdown of between 170 feet (the minimum at WASH 7581) and 615 feet (the maximum at WASH 50693, approximately ½ mile from the proposed well site), the total observed decline in water levels due to differential precipitation recharge is between 1% and 10% of available drawdown.

Discussion

The initial Groundwater Section review of Application G-15887 (dated 6/6/03) indicated that based on available data, groundwater in the area of proposed use is over-appropriated, and additional pumping is not within the capacity of the resource. Based on new data and a re-assessment of the data initially used to develop that opinion, Golder and the City believe that the Department should consider the following points which address the initial conclusions of the Groundwater Section review:

- o Trends of static March water level records observed at observation wells in proximity to and hydraulically connected with WASH 62373 have declined at a rate of approximately ¾ to 3 feet per year over the past 5 to 7 years, resulting in 5 to 18 feet of water level decline over the period of record of comparable measurements (8.5 feet at the closest well, WASH 50693). This range of groundwater level decline is one third to one half that indicated in the Groundwater Section initial review.
- o We believe the data demonstrate that the observed water level declines reflect precipitation trends rather than over-pumping. Available data does not indicate the aquifer is over-appropriated. While static March water levels in the aquifer have declined over the period of record (approximately 10 years of March static water level measurements), annual precipitation has also transitioned from dominantly above average water years early in the period of record, to dominantly below average water years later in the period. Available data suggest that the aquifer responds to infiltration recharge, and that the amount of rainfall during the wet season will directly affect water levels in the aquifer the following March.
- o A portion of the decline observed in several wells (excluding WASH 50693) results from the fact that early March water levels were collected in water years with above average precipitation while the most recent water levels were collected in water years with below average precipitation.
- o Regardless of the circumstances under which the water level declines have been measured and their magnitude, the total observed decline is relatively small compared to the total available drawdown in the aquifer. Consequently, the water level fluctuations resulting from precipitation trends do not appear to have the capacity to impair senior water rights holders from making full beneficial use of their rights.

Conclusions

The City of Banks would like the Department to continue processing Application G-15887, and reassess the initial Groundwater Section review in light of the information presented in this letter. We believe that this additional information will be sufficient to ultimately grant a groundwater right permit as requested in the application. As stated above, the Department acknowledged during a meeting with the City on September 13th, 2003 that it may be possible to issue a permit to the City

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with several standard conditions. The City accepts that conditions will likely be attached to the permit. However, the City would prefer that the conditions reflect the assessment of aquifer conditions reflected in this letter rather than the Department's initial conclusion that data show the aquifer to be over-appropriated

We would be happy to meet with the Department to discuss the contents of this letter and answer any questions regarding the analysis presented within. We will contact the Department in the near future to discuss scheduling such a meeting.

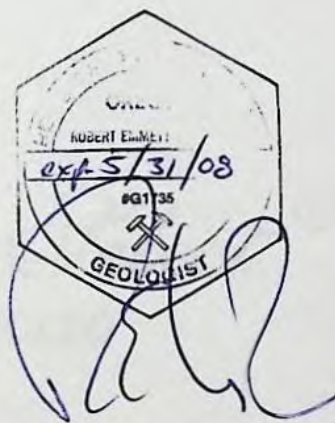
Sincerely,

GOLDER ASSOCIATES INC.



A handwritten signature in blue ink, appearing to read "Justin Iverson".

Justin Iverson, RG, CWRE
Project Hydrogeologist



Robert Long, Jr., RG, CWRE
Associate Hydrogeologist

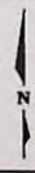
Attachments: Figure 1 – Wells Used to Perform Groundwater Initial Review for App G15887
Figure 2 – Water Level Records for Wells Used to Evaluate App G15887
Figure 3 – Water Level Records for Four Wells in Hydraulic Connection with WASH 62373
Figure 4 – Water Level Records for Permitted Wells near WASH 62373
Land Use Information Form (revised)

cc: Jolynn Becker / City of Banks
Colm Moore / Schroeder Law Offices



- LEGEND**
- Wells in Hydraulic Connection with WASH 62373
 - Wells Not in Hydraulic Connection with WASH 62373
 - Estimated Aquifer Compartment Boundaries

0 4000
Scale in Feet
Map Projection:
State Plane Oregon North
FIPS 3601 Feet NAD 1983
Source:
Golder Associates Inc. USGS



The figure was originally produced in color. Reproduction in black and white may result in a loss of information.

FIGURE 1
WELLS USED TO PERFORM
GROUNDWATER INITIAL REVIEW
FOR PERMIT APPLICATION #G-15887
BANKSWATER RIGHTS REVIEWWA

Golder Associates

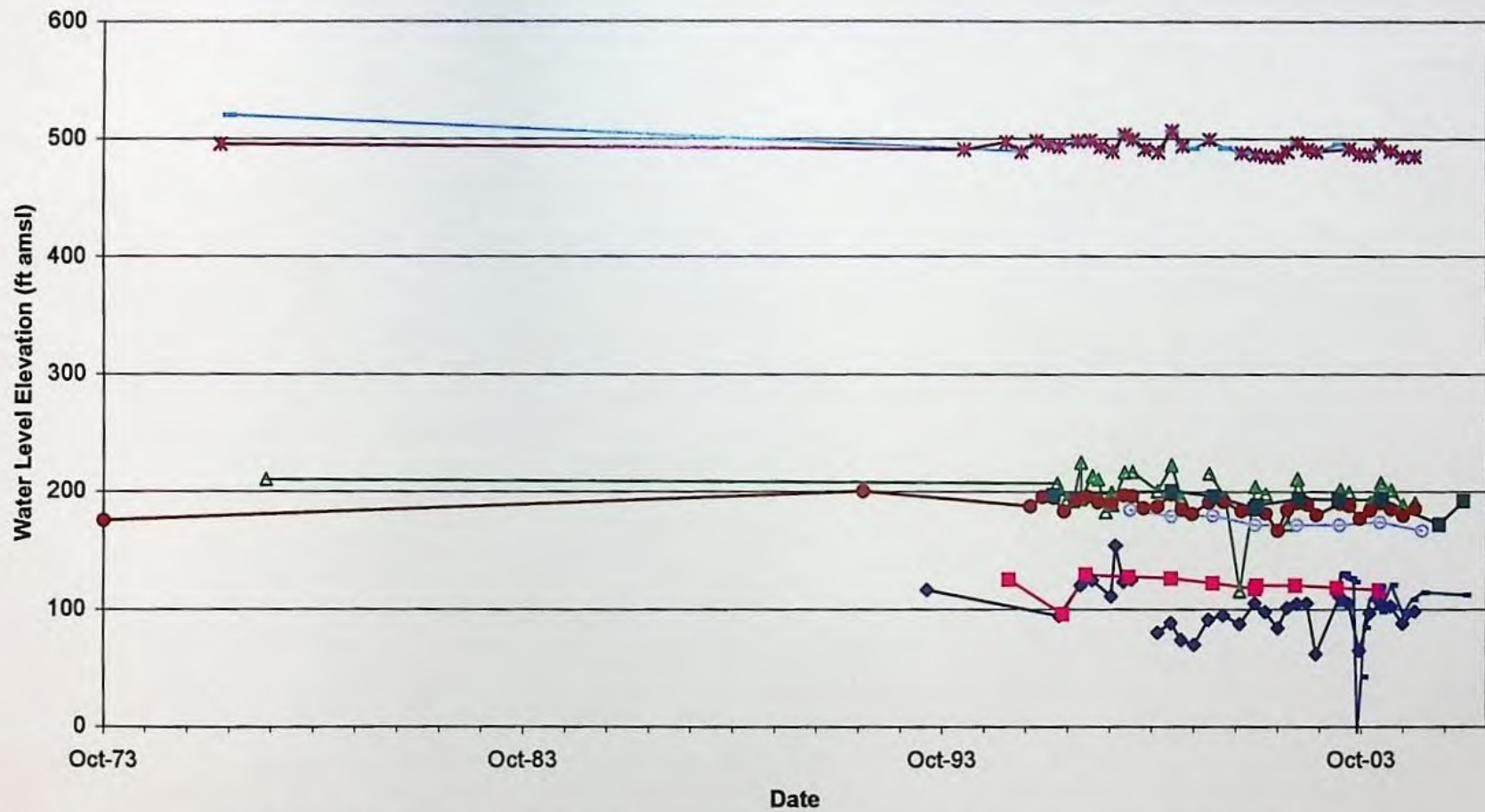
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WATER RESOURCES
SALEM, OREGON

Figure 2: Water Level Records for Wells Used to Evaluate App. G-15887

(Source: Department groundwater level data available online)



—◆— WASH 3127	—■— WASH 6051	—△— WASH 6542	—○— WASH 6556	— — WASH 7417
—*— WASH 7423	—●— WASH 7581	—■— WASH 50693	— — WASH 59307	

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WATER RESOURCES DEPT
SALEM OREGON

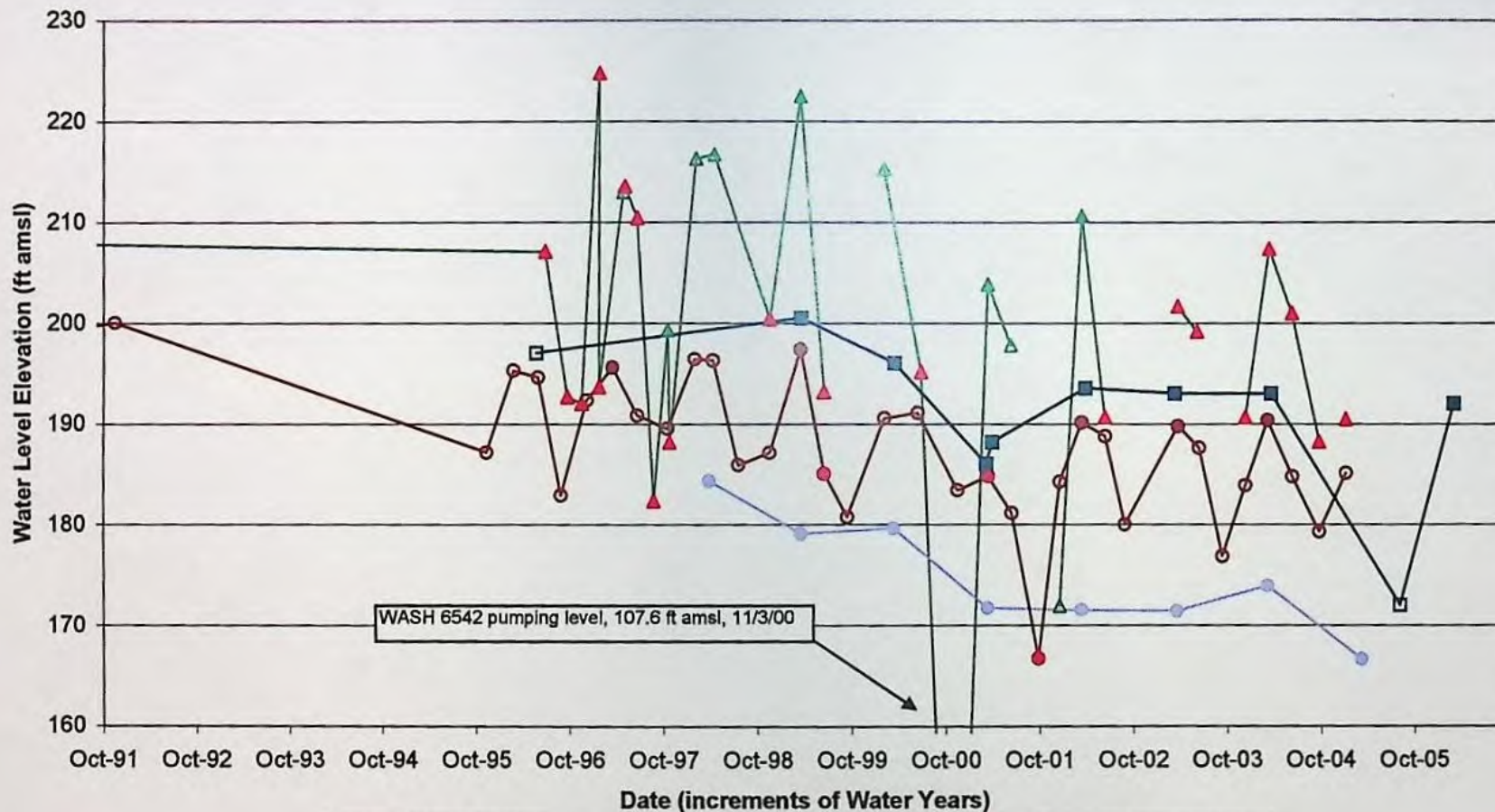
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WATER RESOURCES DEPT
SALEM, OREGON

Figure 3: Water Level Records for Four Wells in Hydraulic Connection with WASH 62373

(Source: Department groundwater level data available online)



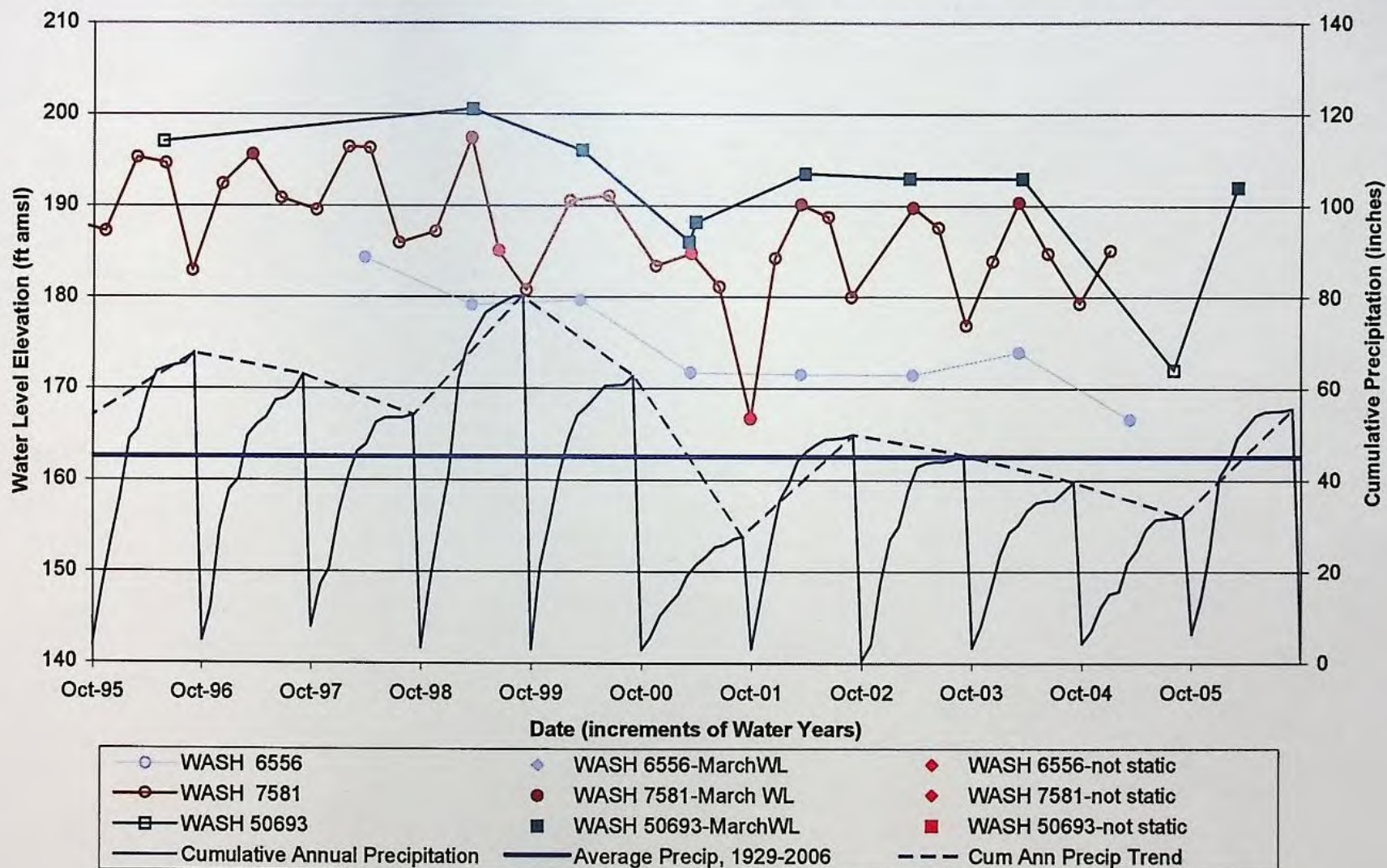
—△— WASH 6542	▲ WASH 6542-MarchWL	▲ WASH 6542-not static
—○— WASH 6556	◆ WASH 6556-MarchWL	◆ WASH 6556-not static
—●— WASH 7581	● WASH 7581-March WL	◆ WASH 7581-not static
—■— WASH 50693	■ WASH 50693-MarchWL	■ WASH 50693-not static

RECEIVED

AUG 10 2007

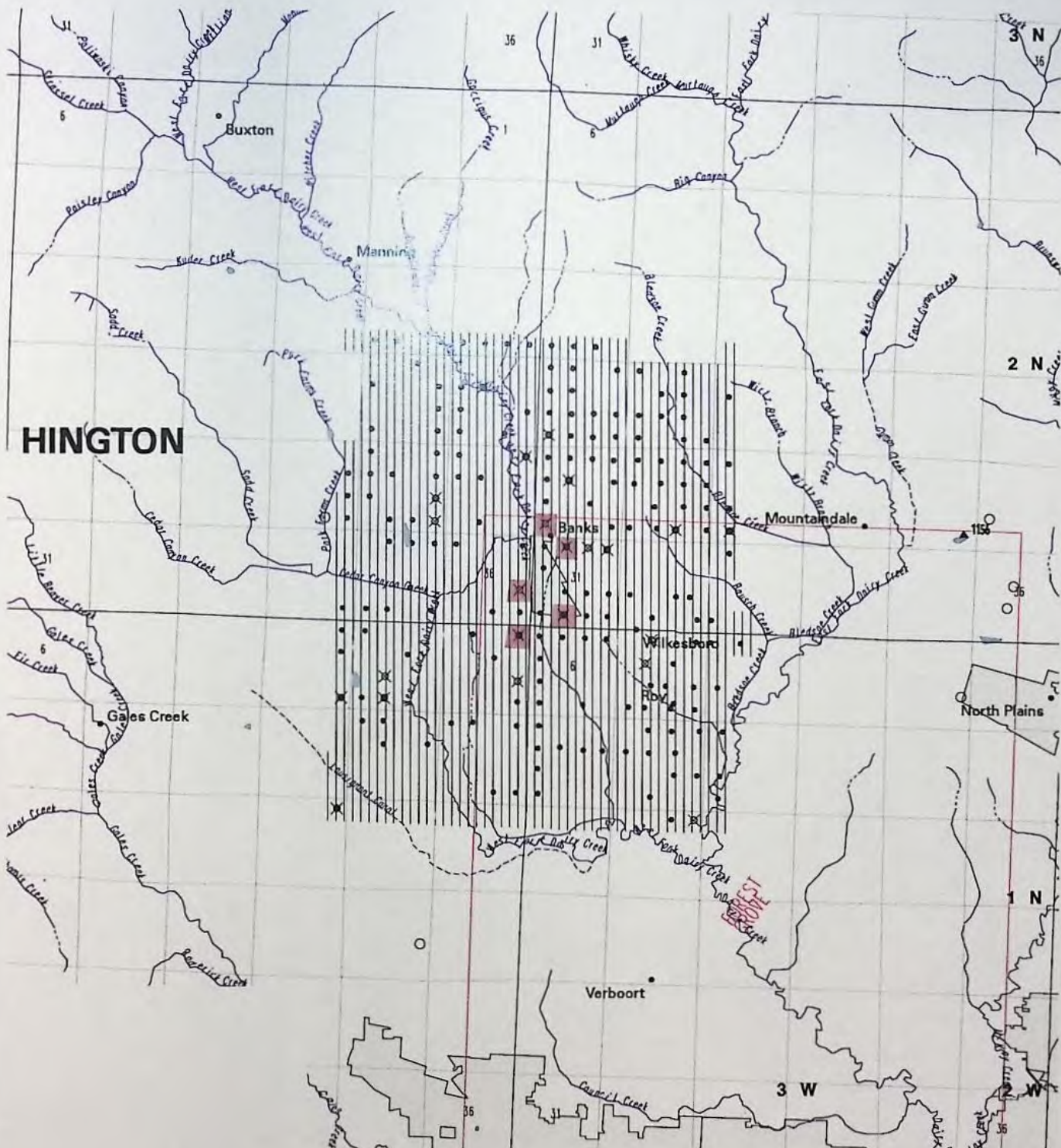
WATER RESOURCES DEPT
SALEM, OREGON

Figure 4: Water Level Records for Irrigation Wells near WASH 62373
(Source: Department groundwater level data available online, Forest Grove precipitation data from WRCC)



Wells in the vicinity of application G 15887

- Application well(s) in this 1/4-1/4 section
- Well(s) identified in this section from OWRD's well log database within 1 mi. radius of application well(s)
- Well(s) identified in this 1/4-1/4 section from OWRD's well log database within 1 mi. radius of application well(s)
- Permitted well(s) in this 1/4-1/4 section within 1 mi. radius of application well(s)
- Conditioned, permitted well(s) in this 1/4-1/4 section within 5 mi. radius of application well(s)
- OWRD Observation well and well-id within 5 mi. radius of application well(s)
- Critical GW Area
- Regulated GW Area



PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO: Water Rights Section Date November 7, 2007

FROM: Ground Water/Hydrology Section Marc Norton
Reviewer's Name

SUBJECT: Application G- 15887 Supersedes review of June 6, 2003
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.**

A. GENERAL INFORMATION: Applicant's Name: City of Banks County: Washington

A1. Applicant(s) seek(s) 1.0 cfs from 1 well(s) in the Willamette River Basin,
Tualatin subbasin Quad Map: Forest Grove

A2. Proposed use: Municipal Seasonality: year-round

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	WASH62373	?	CRBG	1.0	02N/03W-31 NE NW	120'S, 2070'E fr NW cor S 31
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
?	235	378	48	5/25/05	665	0 - 300	+2 - 300	-----	-----	650	-----	Air

Use data from application for proposed wells.

A4. Comments: The well taps the CRBG.

A5. ☒ Provisions of the Willamette River 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: Confined aquifer, therefore this portion of the rule does not apply.

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

B. GROUND WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130, 400-010, 410-0070

B1. Based upon available data, I have determined that ground water* for the proposed use:

- a. ☐ is over appropriated, ☐ is not over appropriated, or ☒ 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) 7B – Interference, 7I – Decline Condition + large monitoring and reporting;
- ii. ☐ The permit should be conditioned as indicated in item 2 below.
- iii. ☐ The permit should contain special condition(s) as indicated in item 3 below;

- B2. 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. ☐ Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to 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 Ground Water Section.

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): _____

B3. Ground water availability remarks: I have reviewed the letter report from Golder & Associates, dated August 6, 2007. There are two main points from the report: 1) That hydrographs from some of the wells represent different aquifers within the CRBG; and 2) That decreases in precipitation since the mid 1990s are the primary cause for most of the declines.

Yes, precipitation trends affect ground water levels, but the amount of influence is questionable. There is a decline in ground water levels in the area around the City of Banks. The rate of decline is not as rapid as originally discussed. Increasing the permitted discharge rate from 300 gpm (Permit G-7593) to a total of 750 gpm from both rights will increase the rate of decline.

I have proposed conditions that would allow the City of Banks to move forward with the development of the resource, but allow the Department the ability to regulate the use from the well when the decline trigger has been hit.

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

RECEIVED WASH 62373

JUN 02 2005

WELL I.D. # L 75346

START CARD # 173577

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

WATER RESOURCES DEPT
SALEM, OREGON

(1) LAND OWNER

Name City of Banks
Address 100 South Main Street
City Banks State Or Zip 97106

(2) TYPE OF WORK

☒ New Well
☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment ☐ Conversion

(3) DRILL METHOD

☒ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Other

(4) PROPOSED USE

☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION Special Construction: ☐ Yes ☒ No

Depth of Completed Well 665 ft.
Explosives used: ☐ Yes ☒ No Type _____ Amount _____

BORE HOLE			SEAL			Sacks or Pounds
Diameter	From	To	Material	From	To	
16	0	300	Cem/Bent	0	300	115 sks
12	300	665				

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

☐ Other

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

Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER

Casing:	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
	12	+2	300	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used ☐ Inside ☐ Outside ☒ None

Final location of shoe(s)

(7) PERFORATIONS/SCREENS

☐ Perforations Method _____
☐ Screens Type _____ Material _____

From	To	Slot Size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
650+		660	1hr.
275-280		200	1hr.

Temperature of water 57°F Depth Artesian Flow Found _____

Was a water analysis done? ☒ Yes By whom A.M.J.

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

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata: _____

(9) LOCATION OF WELL (legal description)

County Washington
Tax Lot 402 Lot _____
Township 2N N or S Range 3W E or W WM
Section 31 NE 1/4 NW 1/4

Lat _____ " or _____ (degrees or decimal)

Long _____ " or _____ (degrees or decimal)

Street Address of Well (or nearest address)

42000 NW Banks Rd. Banks, Or

(10) STATIC WATER LEVEL

48 ft. below land surface. Date 5-25-05

_____ ft. below land surface. Date _____

Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES

Depth at which water was first found 378

From	To	Estimated Flow Rate	SWL
378	468	350 gpm	48
615	660	300 gpm	48

(12) WELL LOG

Ground Elevation 235 Quad Map

Material	From	To	SWL
Brn & red-brn cly sticky, firm.	0	69	
Red-brn basalt, very weathered.	69	102	
Green clay soft	102	121	
Gry-brn clay firm	121	155	
Red-brn basalt very weathered.	155	179	
Brn basalt, weathered	179	201	
Gry-brn basalt	201	206	
Gry/gry-blk basalt hrd	206	231	
Gry-brn basalt w/ interbeds.	231	251	
Gry-gry blk basalt hrd	251	313	
Brn basalt interbed	313	325	

Date Started 3-22-05 Completed 5-25-05

(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.

WWC Number 573 Date 5-31-2005

Signed _____

(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 performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266 Date May 31, 2005

Signed _____

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

JUN 02 2005

WELL I.D. # L 75346

START CARD # 173577

WATER RESOURCES DEPT
SALEM, OREGON

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

(1) LAND OWNER

Well Number _____
Name City of Banks Contn. Page 2
Address 100 South Main Street
City Banks State OR Zip 97106

(2) TYPE OF WORK

☒ New Well
☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment ☐ Conversion

(3) DRILL METHOD

☒ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Other _____

(4) PROPOSED USE

☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other _____

(5) BORE HOLE CONSTRUCTION

Special Construction: ☐ Yes ☒ No
Depth of Completed Well 665 ft.
Explosives used: ☐ Yes ☒ No Type _____ Amount _____

BORE HOLE			SEAL			Sacks or Pounds
Diameter	From	To	Material	From	To	

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

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					<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"/>
Liner:					<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"/>

Drive Shoe used ☐ Inside ☐ Outside ☐ None

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS

☐ Perforations Method _____
☐ Screens Type _____ Material _____

From	To	Slot Size	Number	Diameter	Tele/plpe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min _____ Drawdown _____ Drill stem at _____ Time _____

Temperature of water _____ Depth Artesian Flow Found _____

Was a water analysis done? ☐ Yes By whom _____

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

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____

Depth of strata: _____

(9) LOCATION OF WELL (legal description)

County Washington
Tax Lot 402 Lot _____
Township 2N N or S Range 3W E or W WM
Section 31 NE 1/4 NW 1/4
Lat _____ " or _____ (degrees or decimal)
Long _____ " or _____ (degrees or decimal)

Street Address of Well (or nearest address)

42000 NW Banks Rd., Banks, OR

(10) STATIC WATER LEVEL

48 ft. below land surface. Date 05/25/2005
_____ ft. below land surface. Date _____
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES

From	To	Estimated Flow Rate	SWL

(12) WELL LOG

Material	From	To	SWL
Blk basalt, frags, occ soapstone.	325	378	
Brn/gry-brn basalt frag broken occ red-brn basalt/lava streaks	378	420	48
Blk/gry blk basalt/lava	420	468	
Blk/gry blk basalt, hard occ frags.	468	615	
Blk basalt interbed, occ claystone occ lava streaks.	615	660	48
Blk/gry-blk basalt, frags.	660	665	

Date Started 3-22-2005 Completed 5-25-2005

(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.

WWC Number 573 Date 5-31-2005

Signed _____

(bonded) Water Well Constructor Certification

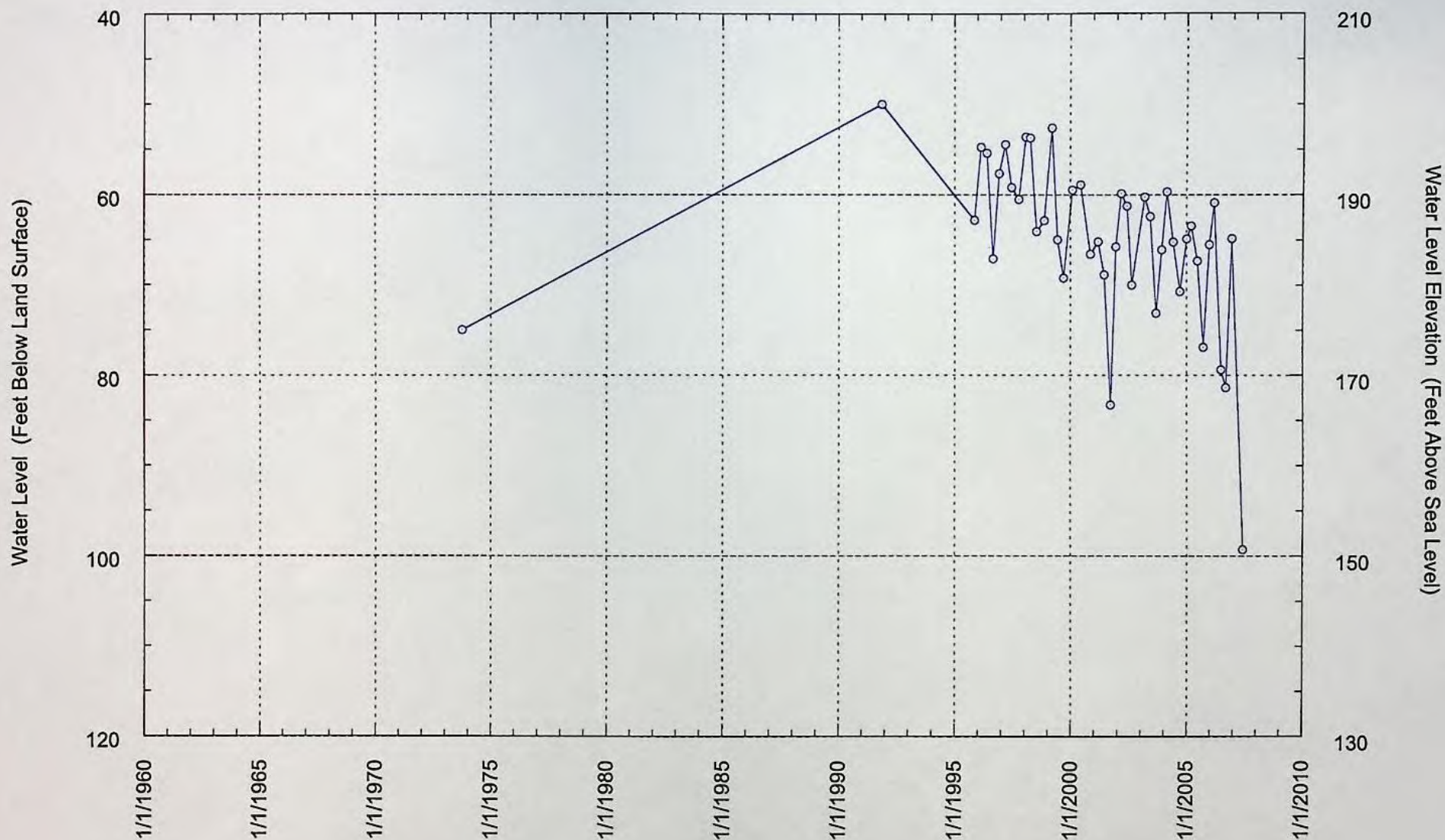
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266 Date May 31, 2005

Signed _____

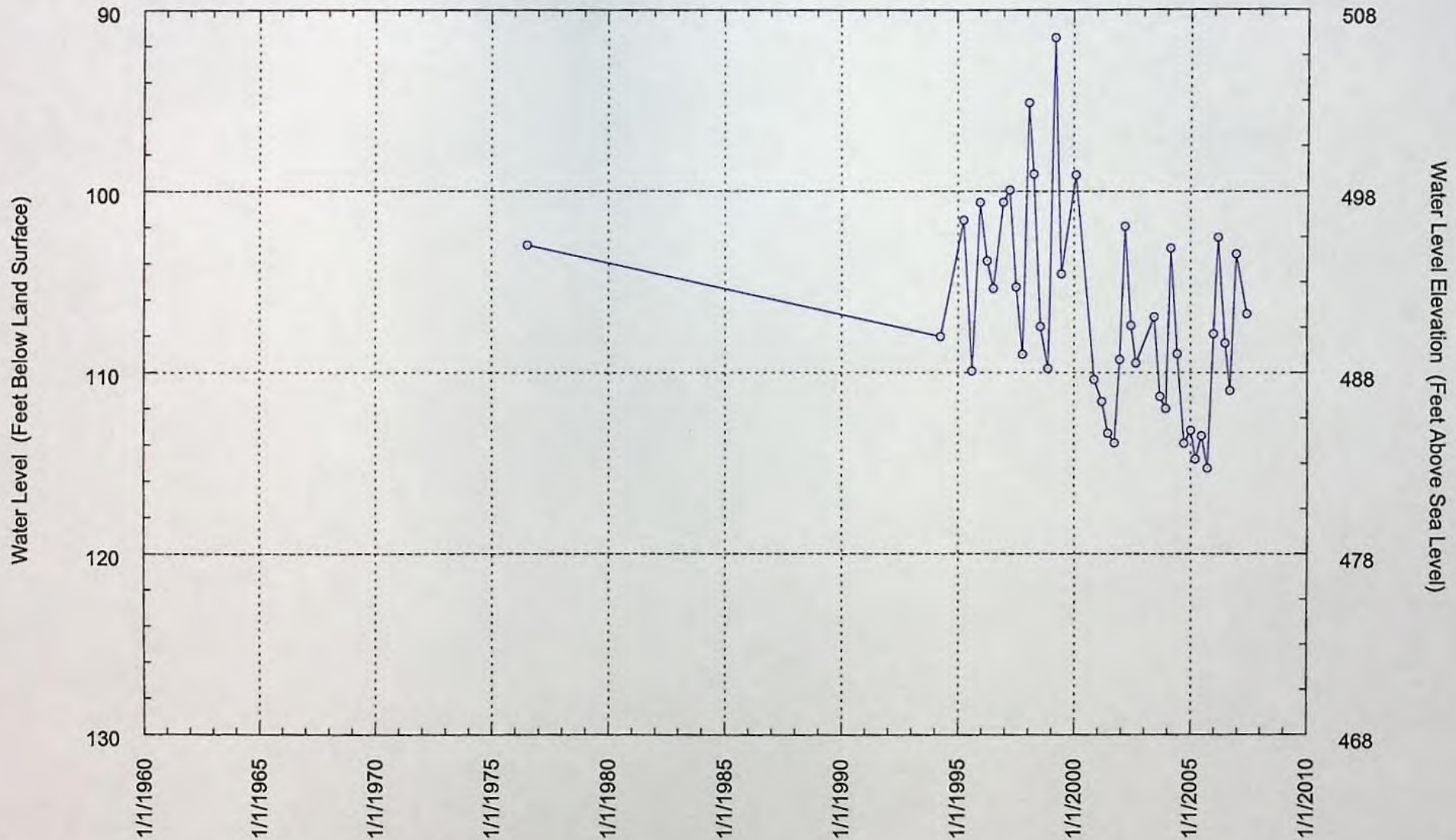
Wren (Olson Well)
Lithology: Basalt
Aquifer: Columbia River Basalts
Land surface elevation: 250'
Well Depth: 325'

WASHINGTON COUNTY OWRD LOGID WASH 7581 02N/3W-28CCC



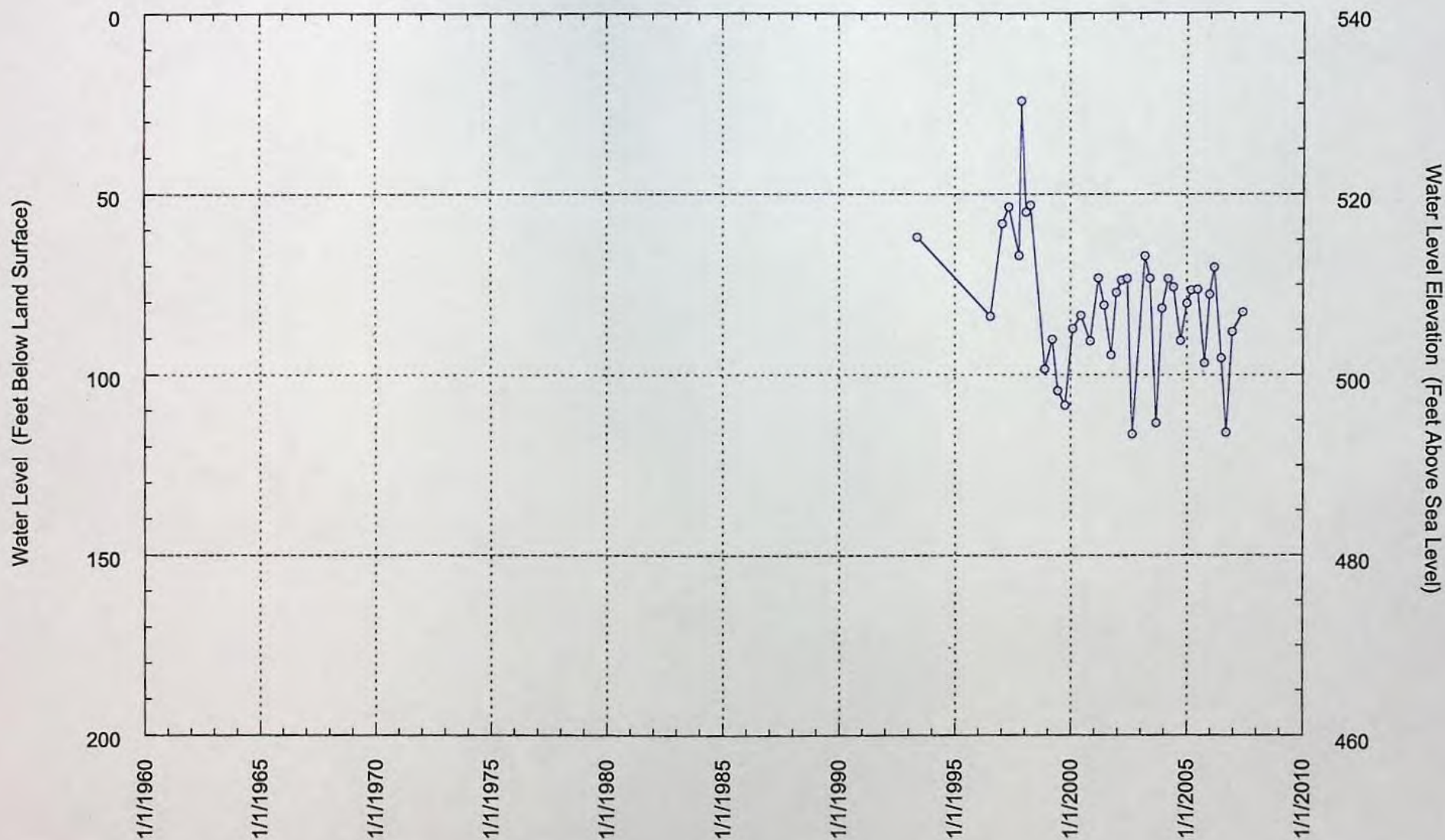
Beardsley (Tells Well)
Lithology: Basalt
Aquifer: Columbia River Basalts
Land surface elevation: 598'
Well Depth: 140'

WASHINGTON COUNTY OWRD LOGID WASH 7423 02N/3W-19DCD



McNurlin Well
Lithology: Basalt
Aquifer: Columbia River Basalts
Land surface elevation: 178'
Well Depth: 585'

WASHINGTON COUNTY OWRD LOGID WASH 3127 01N/3W-05DCD



INTEROFFICE MEMORANDUM

Water Rights Section

TO: Doug Woodcock

August 13, 2007

FROM: Kerry Kavanagh

RE: Request re-review of G-15887 City of Banks

On June 6, 2003, Marc Norton completed a gw review.

On August 10, 2007, the Department received comments from the Colm Moore, attorney with Schroeder Law Offices, and from Justin Iverson, with Golder Associates, on behalf of the applicant. Golder Associates request that the Department review information presented in their August 6, 2007 letter.

Please re-review the application based on Golder Associates' August 6, 2007 letter.

Please note if there will be any change to Marc Norton's June 6, 2003 review.

Thanks.

Marc

INTEROFFICE MEMORANDUM

Water Rights Section

TO: Doug Woodcock

October 15, 2004

FROM: Kerry Lefever

RE: GW File Number G-15887

City of Banks

On June 6, 2003, Marc Norton completed the ground water review for five proposed wells for this application. Marc determined that the proposed ground water use **will not likely be available in the amounts requested without injury to prior ground water rights and will not likely be available within the capacity of the ground water resource.** Marc also found that the proposed ground water use is not hydraulically connected to surface water.

On October 14, 2004, the Department received a letter from the Tim Grossnickle, with the City of Banks, requesting to amend the application by decreasing the proposed use from five wells to one well, identified as location 4 on the application map. In addition, Mr. Grossnickle requested additional information concerning nearby wells used in Marc's June 6, 2003 review.

Please review Mr. Grossnickle's letter and determine if the Division 9 review by of June 6, 2003 will change in any way. Also, please address Mr. Grossnickle's request for more information regarding the Division 9 review.

Please route to me in when finished.

Thanks.

WATER RESOURCES DEPARTMENT

MEMO

November 7, 2005

TO: Kerry Lefever, Water Rights Section

FROM: Marc Norton, Ground Water Section *MAN*

SUBJECT: Ground Water Application G-15887

I reviewed Ground Water Application G-15887 for the City of Banks on June 6, 2003. In the review, I noted that the aquifer was over appropriated and ground water would not be available without injuring exist water rights or within the capacity of the resource.

The City of Banks has as for information used to make the above conclusion. The City asked for Ground Water Application numbers for nearby wells, copies of the Water Well Reports and associated water level data. One copy is for the City of Banks, the second copy is for the application file.

I have compiled the data requested plus water level data from additional wells in the area. When I filled out the review form, I misread my notes concern locations for wells with water level data. The two wells listed for 1N/3W-sec. 6 should have been listed as in 1N/3W only. There really is one well that has two water rights and is in section 14 (WASH 6051). The two wells that were mentioned for section 31; one well is in section 31 (WASH 50693) and the second is in section 36 (WASH 4436). Attached are two copies of a map showing ground water rights within a five-mile radius from Banks. The data includes a hydrograph, Water Well Report and printout of the water level data for the wells listed below.

Table of wells with water level data near Banks, Oregon.

LOG #	LOCATION	APPLICATION NUMBER	PERMIT NUMBER	CONDITION LIMITS	REMARKS
WASH 50693	2S/3W-31aa	G-14429	G_13543	3/0/15/15'	Condition triggered
WASH 7417	2N/3W-19DDC	Observation Well			Since 96-10.68' decline
WASH 7423	2N/3W-19DCD	Observation Well			Since 94-5.17' decline
WASH 7581	2N/3W-28CCC	G-9241	G-8564	No Condition	Since 91-14.91' decline
WASH 3127	1N/3W-5DCD	Observation Well			Since 93-18.24' decline
WASH 6542	1N/4W-2CBA	Observation Well		Since 97-34.3'	decline- rising water levels
WASH 6556	1N/4W-3DDD	G-14503	G-13357	3/0/15/15'	Since 98-17.68' decline
WASH 59307	1N/3W-17AA	G-15871	G-15458	3/0/15/15'	Since 03-14.7' decline
WASH 6051	1N/3W-14AC	G-13601	G-12734	3/0/15/15'	Since 97-13.0' decline

Reference levels have not been set for Ground Water Permits G-13357, G-15458 and G-12734.
Data indicates that water levels are declining at all three wells.

Office Copy

Ground Water

Oregon Water Resources Department

(503) 378-6455 • 150 12th St. NE, Salem, OR 97310



Hydrograph for State Well WASH 50693

Well Location

Oregon Water Resources Department Well Log ID

2.00N3.00N31AA

Oregon Water Resources Department State Observation Well Number

WASH 50693

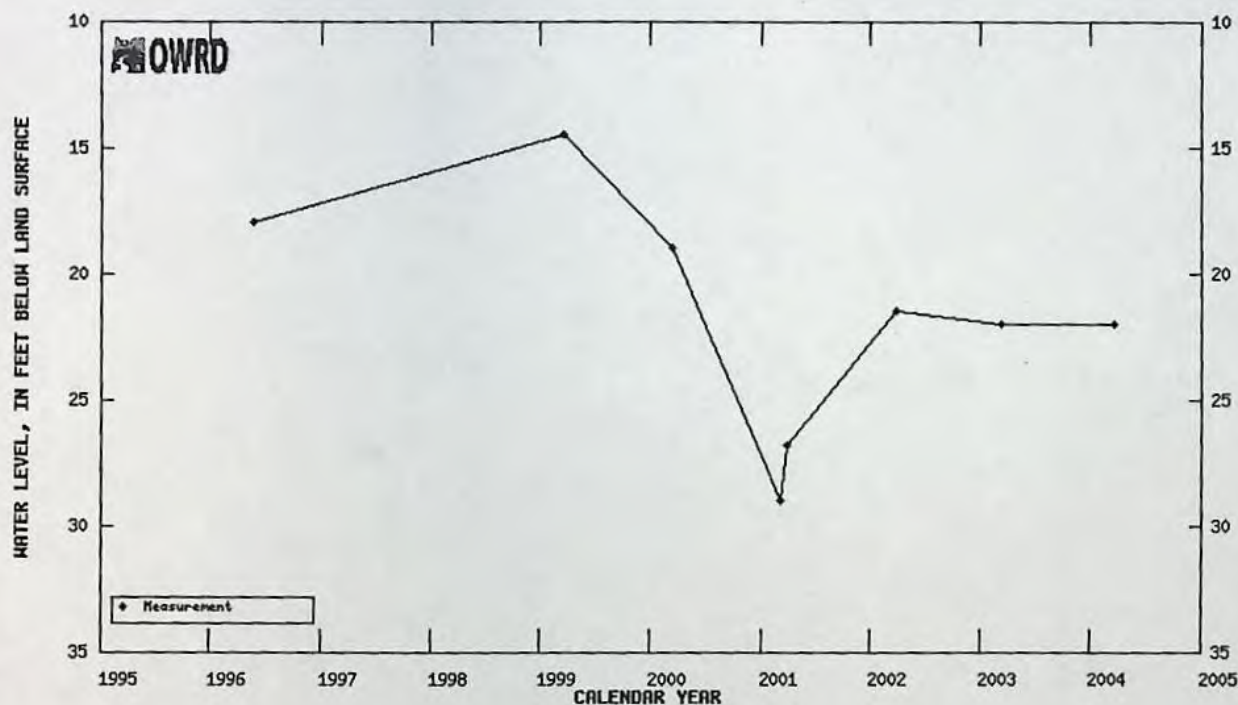
Well depth, in feet below land surface

640

Land surface elevation, in feet above mean sea level

Primary use of well

not determined

Table showing water-level data for State Well WASH 50693

STATE OF OREGON WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

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

WASH 50693
RECEIVED
MAY 28 1996

(START CARD) # 86703

SALEM OREGON

(1) OWNER: Well Number _____
Name QUAIL VALLEY GOLF COURSE
Address 12565 NW AERTS RD.
City BANKS State OR Zip 97106

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other _____

(4) PROPOSED USE:
☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other _____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 640 ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE SEAL
Diameter From To Material From To Sacks or pounds
14-3/4 0 312 Cement 0 90 35 SKS
10 312 640 Cement 280 312 20 SKS

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

Backfill placed from 90 ft. to 280 ft. Material Hivisc Gel & Bent. chips
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:
Diameter From To Gauge Steel Plastic Welded Threaded
Casing: 10" +1 312 250 ☒ ☐ ☒ ☐
Liner: _____ ☐ ☐ ☐ ☐

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:
☐ Perforations Method _____
☐ Screens Type _____ Material _____
From To Slot size Number Diameter Hole/pipe size Casing Liner

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

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian
Yield gal/min Drawdown Drill stem wt Time
300+ _____ 280 1 hr.
200 _____ 180 "
180 _____ 100 "

Temperature of water 56 F Depth Artesian Flow Found _____

Was a water analysis done? ☒ Yes By whom AMT

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

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____

Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County WASHINGTON Latitude _____ Longitude _____
Township 2N N or S Range 3W E or W. WM.
Section 31 NW 1/4 SE 1/4
Tax Lot 00100 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 12565 NW AERTS RD
BANKS, OR

(10) STATIC WATER LEVEL:
18 ft. below land surface. Date 05/20/96
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 340

From	To	Estimated Flow Rate	SWL
340	465	100 GPM	18
515	575	100 "	18
575	630	100+GPM	18

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
Topsoil	0	1	
Dark brown clay	1	4	
Sticky brown clay	4	16	
Sticky gray-brown clay	16	94	
Sticky red-brown clay	94	156	
Decomp. brown basalt, occ. clay interbeds	156	283	
Soft brown basalt	283	298	
Firm gray-brown basalt	298	310	
Hard gray basalt	310	340	
Gray-brown, gray-black basalt	340	465	18
occ. brown basalt streaks			"
(caving zone 420-435, grouted solid)			
Brown basalt & ash, cemented debris	465	515	
Gray-brown basalt, frac. occ. broken green mineral stain	515	575	18
Brown & gray-brown basalt, brown	575	630	18
Gray-black basalt, hard, frac.	630	640	

Date started 04/02/96 Completed 05/20/96

(unbonded) Water Well Constructor Certification:

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

WWC Number _____
Signed _____ Date _____

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266 & 573
Signed _____ Date 05/22/96

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

OWRD Water Level Report

USGS Site ID	Logid WASH.....	50693	TRS	2.00 N./	3.00 W. -	31 AA.....
State Obs Well	Well Tag Log	Csg Diam Field	County			
Num / Status	Well Tag Field	Max Depth	Quad24			
Owner Well Name			Lsd Elev	LsdAccuracy		
Owner			Contact			

Sow Num	Logid	Date	Time	MP Hght	Rptd WL BLS	Verified WL BLS	Export WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	Comments
.....	WASH.....	50693	05/22/1996.....	.....	18.00	.....	18.00	.....	R.....	U.....	DRILLER.....	OWRD.....	WELL LOG.....
.....	WASH.....	50693	03/18/1999.....	.....	14.50	.....	14.50	.....	T.....	S.....	DAVID GREEN.....	PUMP.....	IDLE 2+ YEARS.....
.....	WASH.....	50693	03/16/2000.....	.....	19.00	.....	19.00	.....	T.....	S.....	TIMOTHY M.WEAVER.....	PUMP.....	IDLE 1+ YEAR.....
.....	WASH.....	50693	03/07/2001.....	.....	29.00	.....	29.00	.....	T.....	S.....	TIMOTHY M.WEAVER.....	PUMP.....	NOT IN USE?.....
.....	WASH.....	50693	03/29/2001.....	.....	26.83	.....	26.83	.....	T.....	S.....	MARC NORTON JUNO.....	OWRD.....	.....
.....	WASH.....	50693	03/27/2002.....	.....	21.50	.....	21.50	.....	T.....	S.....	TIM WEAVER.....	DRILLER.....	IDLE 3 MONTHS.....
.....	WASH.....	50693	03/10/2003.....	.....	22.00	.....	22.00	.....	T.....	S.....	CODY LARDY.....	PUMP.....	IDLE 3+ MONTHS.....
.....	WASH.....	50693	03/18/2004.....	.....	22.00	.....	22.00	.....	T.....	S.....	TIMOTHY M.WEAVER.....	PUMP.....	IDLE >24 HRS.....
.....	WASH.....	50693	08/02/2005.....	.....	43.00	.....	43.00	.....	T.....	S.....	CODY LARDY.....	PUMP.....	IDLE >24 HRS POWER WELL SOUND.....

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, O - Observed (for flowing wells), RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Report Date: 10/06/2005



Hydrograph for State Well WASH 7417, State Observation Well # 1165

Well Location	2.88N3.88W19DDC
Oregon Water Resources Department Well Log ID	WASH 7417
Oregon Water Resources Department State Observation Well Number	1165
Well depth, in feet below land surface	145
Land surface elevation, in feet above mean sea level	588
Primary use of well	DOMESTIC

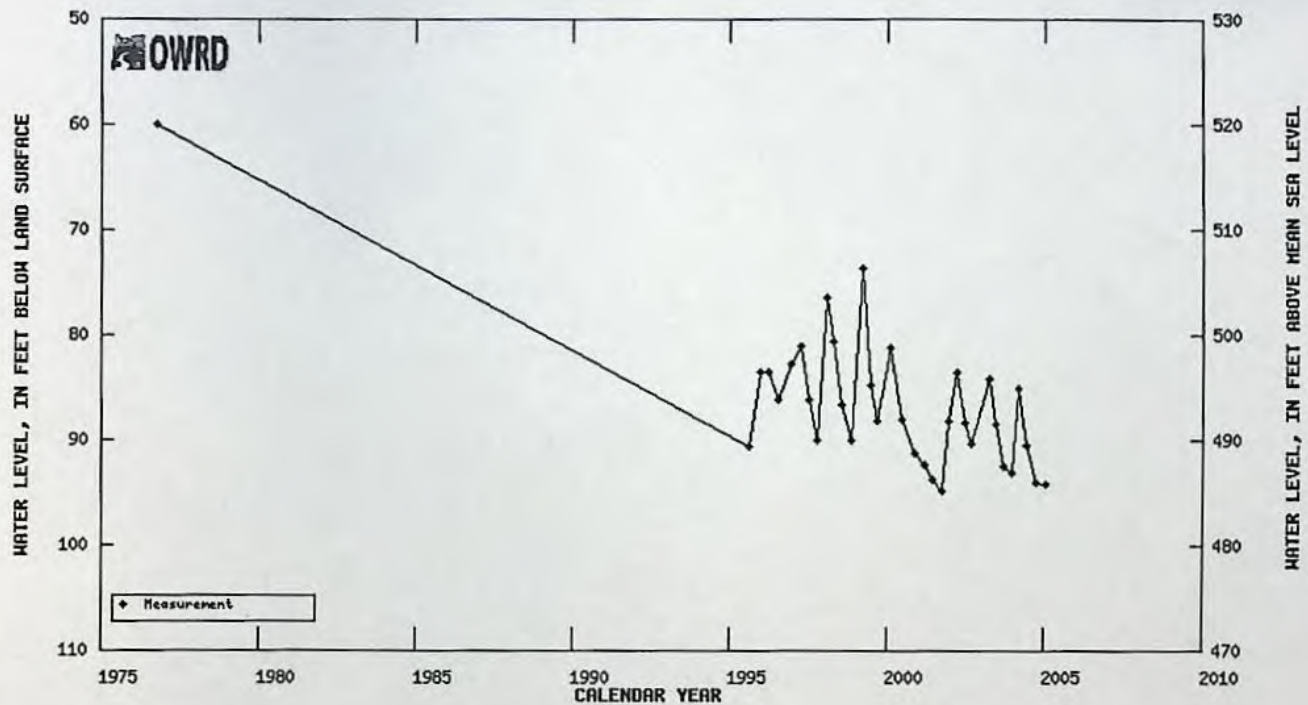


Table showing water-level data for State Well WASH 7417, State Observation Well # 1165

NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the

STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date
of well completion.

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

RECEIVED

OCT 21 1976

State Well No.

State Permit No.

(1) OWNER:

Name Michael V. Welton
Address 16235 W Baseline Rd
Beaverton, Or

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☐
Cable ☒
Driven ☐
Jettied ☐
Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 80 ft. Gage 250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used

Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:

Drawdown, is amount water level is
lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Id: gal./min. with ft. drawdown after hrs.
" " " " " "

Ball test 15 gal./min. with 65 ft. drawdown after 2 hrs.

Artesian flow g.p.m.

Temperature of water 54 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Cement
Well sealed from land surface to 20 ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 5 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons
of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Wash Driller's well number
SE 1/4 SE 1/4 Section 19 T. 2N R. 3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 130 ft.

Static level 60 ft. below land surface. Date 10-3-76

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6

Depth drilled 145 ft. Depth of completed well 145 ft.

Formation: Describe color, texture, grain size and structure of materials;
and show thickness and nature of each stratum and aquifer penetrated,
with at least one entry for each change of formation. Report each change in
position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
30 ft	0	3	
Red Clay	3	35	
Brown Clay	35	70	
Brown Sandstone	70	130	
Water Bearing Sand	130	145	60

Work started 10-2 1976 Completed 10-3 1976

Date well drilling machine moved off of well 10-3 1976

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision.
Materials used and information reported above are true to my
best knowledge and belief.

[Signed] Joseph Russell Date 10-3, 1976
(Drilling Machine Operator)

Drilling Machine Operator's License No. 832

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is
true to the best of my knowledge and belief.

Name Irvin Russell
(Person, firm or corporation) (Type or print)

Address Manning, Or

[Signed] Irvin Russell
(Water Well Contractor)

Contractor's License No. 472 Date 10-3, 1976

OWRD Water Level Report

USGS Site ID		Logid WASH.....7417		TRS .....2.00 N /3.00 W - 19 DDC.....	
State Obs Well .....1165 .....G		Well Tag Log		County WASH.....	
Num / Status		Well Tag Field		Quad24 MEACHAM CORNER.....	
Owner Well Name		Csg Diam Field .....6		Lsd Elev .....580	
Owner SHEILA DAY.....		Max Depth		LsdAccuracy .....20	
				Contact	

Sow Num	Logid	Date	Time	MP Hght	Rptd WL BLS	Verified WL BLS	Export WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	Comments
1165	WASH	7417	08/09/1995	1.1	90.74		90.74	489.26	T	S	BS	OWRD	
1165	WASH	7417	12/21/1995	1.1	83.56		83.56	496.44	T	S	BS	OWRD	
1165	WASH	7417	04/01/1996	1.1	83.68		83.68	496.32	T	S	BS	OWRD	
1165	WASH	7417	07/08/1996	1.1	86.25		86.25	493.75	T	S	BS	OWRD	
1165	WASH	7417	12/18/1996	1.1	82.80		82.80	497.20	T	S	DH	OWRD	
1165	WASH	7417	04/01/1997	1.1	81.17		81.17	498.83	T	S	BS	OWRD	
1165	WASH	7417	06/30/1997	1.1	86.30		86.30	493.70	T	S	BS	OWRD	
1165	WASH	7417	10/14/1997	1.1	90.10		90.10	489.90	T	S	BS	OWRD	
1165	WASH	7417	01/29/1998	1.1	76.57		76.57	503.43	T	S	BS	OWRD	
1165	WASH	7417	04/09/1998	1.1	80.66		80.66	499.34	T	S	CB	OWRD	
1165	WASH	7417	07/17/1998	1.1	86.63		86.63	493.37	T	S	BS	OWRD	
1165	WASH	7417	11/16/1998	1.1	90.00		90.00	490.00	T	S	CB/JW	OWRD	
1165	WASH	7417	03/15/1999	1.1	73.80		73.80	506.20	T	S	JW	OWRD	
1165	WASH	7417	06/15/1999	1.1	84.79		84.79	495.21	T	S	JW	OWRD	
1165	WASH	7417	09/13/1999	1.1	88.20		88.20	491.80	T	S	JW	OWRD	
1165	WASH	7417	02/04/2000	1.1	81.35		81.35	498.65	T	S	JW	OWRD	
1165	WASH	7417	06/23/2000	1.1	88.00		88.00	492.00	T	S	CB	OWRD	
1165	WASH	7417	11/15/2000	1.1	91.30		91.30	488.70	T	S	RLW/CB	OWRD	
1165	WASH	7417	03/13/2001	1.1	92.44		92.44	487.56	T	S	CB	OWRD	Lost weights on way up @ 82.5'
1165	WASH	7417	06/08/2001	1.1	93.70		93.70	486.30	T	S	RLW/CB	OWRD	Lost weights @ 82'
1165	WASH	7417	09/26/2001	1.1	94.80		94.80	485.20	T	S	RLW/AJK	OWRD	
1165	WASH	7417	12/17/2001	1.1	88.16		88.16	491.84	T	S	AJK	OWRD	
1165	WASH	7417	03/13/2002	14:42:00	1.1	83.64	83.64	496.36	T	S	AJK	OWRD	
1165	WASH	7417	06/11/2002	09:26:00	1.1	88.37	88.37	491.63	T	S	AJK	OWRD	
1165	WASH	7417	08/28/2002	15:47:00	1.1	90.38	90.38	489.62	T	S	AJK	OWRD	
1165	WASH	7417	03/20/2003	15:13:00	1.1	84.29	84.29	495.71	T	S	RLW/CB	OWRD	
1165	WASH	7417	06/11/2003	14:03:00	1.1	88.58	88.58	491.42	T	S	CB	OWRD	
1165	WASH	7417	09/10/2003	13:37:00	1.1	92.56	92.56	487.44	T	S	CB/MW	OWRD	
1165	WASH	7417	12/08/2003	13:23:00	1.1	93.12	93.12	486.88	T	S	MW	OWRD	
1165	WASH	7417	03/04/2004	13:35:00	1.1	85.23	85.23	494.77	T	A	MW	OWRD	Falling very slowly
1165	WASH	7417	06/09/2004	14:38:00	1.1	90.48	90.48	489.52	T	S	MW	OWRD	
1165	WASH	7417	09/22/2004	13:20:00	1.1	94.15	94.15	485.85	T	S	MW	OWRD	
1165	WASH	7417	01/04/2005	11:42:00	1.1	94.24	94.24	485.76	T	S	MW	OWRD	

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, O - Observed (for flowing wells), RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Report Date: 10/06/2005

OWRD Water Level Report

USGS Site ID		Logid WASH.....7417		TRS .....2.00 N./ .....3.00 W. - 19 DDC.....	
State Obs Well .....1165 .....G		Well Tag Log		County WASH.....	
Num / Status		Well Tag Field		Quad24 MEAGHAM CORNER.....	
Owner Well Name		Csg Diam Field .....6		Lsd Elev .....580	
Owner SHEILA DAY.....		Max Depth		LsdAccuracy .....20	
				Contact	

Sow Num	Logid	Date	Time	MP Hght	Rptd WL BLS	Verified WL BLS	Export WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	Comments
1165	WASH.....7417	10/03/1976			60.00	60.00	60.00	520.00	R.....	U.....	DRILLER.....	OWRD.....	NEW WELL WASH 7417.....

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, O = Observed (for flowing wells), RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Report Date: 10/06/2005



Hydrograph for State Well WASH 7423, State Observation Well # 1206

Well Location	2.00N3.00W19DCD
Oregon Water Resources Department Well Log ID	WASH 7423
Oregon Water Resources Department State Observation Well Number	1206
Well depth, in feet below land surface	140
Land surface elevation, in feet above mean sea level	598
Primary use of well	DOMESTIC

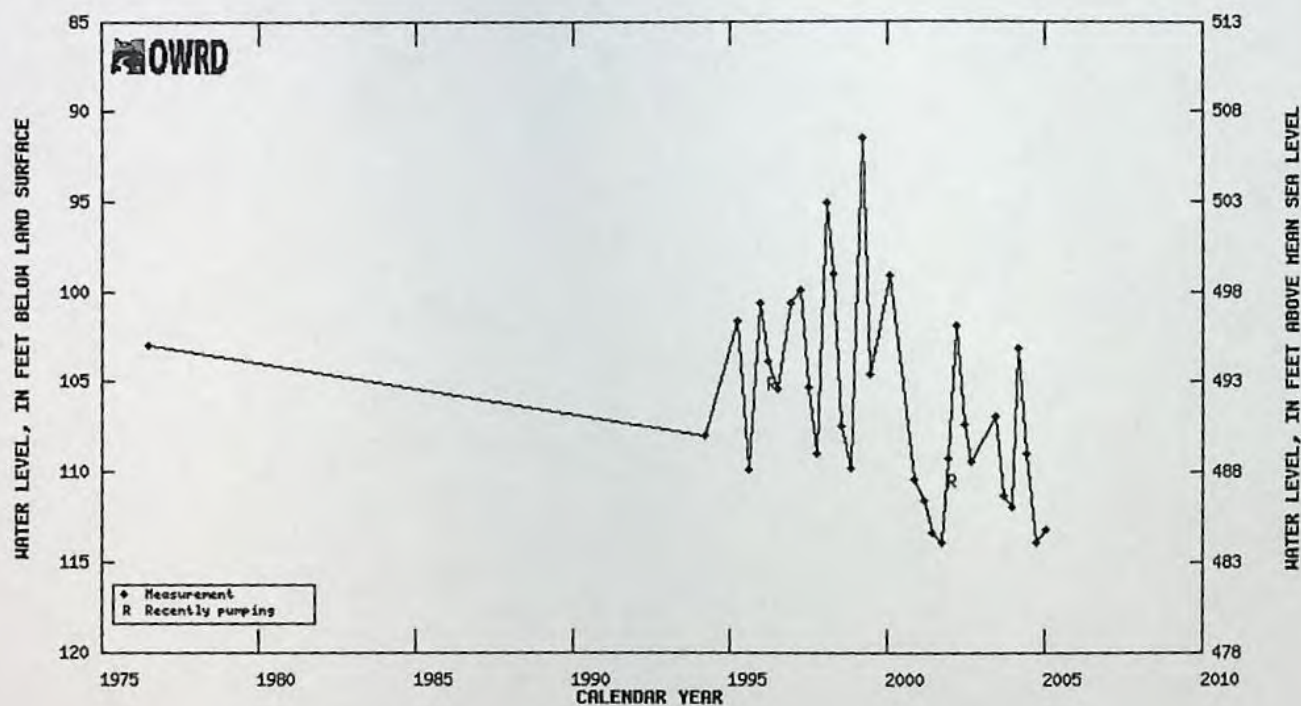


Table showing water-level data for State Well WASH 7423, State Observation Well # 1206

OWRD Water Level Report

USGS Site ID		Logid WASH.....7423		TRS .....2.00 N./ .....3.00 W - 19 DCD	
State Obs Well .....1206 .....C		Well Tag Log		Csg Diam Field .....6	
Num / Status		Well Tag Field		County WASH.....	
Owner Well Name		Max Depth		Quad24 MEACHAM.CORNER.....	
Owner SAM & THERESA BEARDSLEY.....				Lsd Elev .....598 LsdAccuracy .....20	
				Contact	

Sow Num	Logid	Date	Time	MP Hght	Rptd WL BLS	Verified WL BLS	Export WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	Comments
1206	WASH.....7423	04/01/1994		1.6	108.02		108.02	489.98	T	U	DH	OWRD	
1206	WASH.....7423	03/31/1995		1.6	101.61		101.61	496.39	T	U	DH	OWRD	
1206	WASH.....7423	08/09/1995		1.6	109.93		109.93	488.07	T	U	DH	OWRD	
1206	WASH.....7423	12/21/1995		1.6	100.64		100.64	497.36	T	S	BS	OWRD	
1206	WASH.....7423	04/01/1996		1.6	103.86		103.86	494.14	T	R	BS	OWRD	
1206	WASH.....7423	07/08/1996		1.6	105.38		105.38	492.62	T	S	BS	OWRD	
1206	WASH.....7423	12/18/1996		1.6	100.62		100.62	497.38	T	S	DH	OWRD	
1206	WASH.....7423	04/01/1997		1.6	99.95		99.95	498.05	T	S	BS	OWRD	
1206	WASH.....7423	06/30/1997		1.6	105.29		105.29	492.71	T	S	BS	OWRD	
1206	WASH.....7423	10/14/1997		1.6	109.00		109.00	489.00	T	S	BS	OWRD	
1206	WASH.....7423	01/29/1998		1.6	95.11		95.11	502.89	T	S	BS	OWRD	
1206	WASH.....7423	04/09/1998		1.6	99.05		99.05	498.95	T	S	CB	OWRD	
1206	WASH.....7423	07/17/1998		1.6	107.48		107.48	490.52	T	S	BS	OWRD	
1206	WASH.....7423	11/16/1998		1.6	109.79		109.79	488.21	T	S	CB/JW	OWRD	
1206	WASH.....7423	03/15/1999		1.6	91.54		91.54	506.46	T	S	JW	OWRD	
1206	WASH.....7423	06/15/1999		1.6	104.58		104.58	493.42	T	S	JW	OWRD	
1206	WASH.....7423	09/13/1999		1.6	9999.99		9999.99		ZZ	P	JW	OWRD	Pumping - no measurement
1206	WASH.....7423	02/04/2000		1.6	99.10		99.10	498.90	T	S	JW	OWRD	
1206	WASH.....7423	06/23/2000		1.6	9999.99		9999.99		ZZ	P	UNKNOWN	OWRD	Pumping - no measurement
1206	WASH.....7423	11/15/2000		1.6	110.40		110.40	487.60	T	S	RLW/CB	OWRD	
1206	WASH.....7423	03/13/2001		1.6	111.61		111.61	486.39	T	S	CB	OWRD	
1206	WASH.....7423	06/14/2001		1.6	113.36		113.36	484.64	T	S	CB	OWRD	
1206	WASH.....7423	09/26/2001		1.6	113.90		113.90	484.10	T	S	AK/RLW	OWRD	
1206	WASH.....7423	12/17/2001		1.6	109.30		109.30	488.70	T	R	AJK	OWRD	
1206	WASH.....7423	03/15/2002		1.6	101.94		101.94	496.06	T	S	AJK/CB	OWRD	
1206	WASH.....7423	06/11/2002	09:09:00	1.6	107.42		107.42	490.58	T	S	AJK	OWRD	
1206	WASH.....7423	08/27/2002	12:49:00	1.6	109.49		109.49	488.51	T	S	AJK	OWRD	
1206	WASH.....7423	06/11/2003	14:15:00	1.6	106.94		106.94	491.06	T	S	CB	OWRD	
1206	WASH.....7423	09/10/2003	13:45:00	1.6	111.34		111.34	486.66	T	S	MW/CB	OWRD	
1206	WASH.....7423	12/08/2003	13:13:00	1.6	112.00		112.00	486.00	T	S	MW	OWRD	Pump on just after mmt., but reading was
1206	WASH.....7423	03/04/2004	13:46:00	1.6	103.14		103.14	494.86	T	S	MW	OWRD	
1206	WASH.....7423	06/09/2004	14:50:00	1.6	108.98		108.98	489.02	T	S	MW	OWRD	
1206	WASH.....7423	09/22/2004	13:35:00	1.6	113.91		113.91	484.09	T	S	MW	OWRD	

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, O - Observed (for flowing wells), RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Report Date: 10/06/2005

OWRD Water Level Report

USGS Site ID		Logid WASH.....7423		TRS .....2.00 N./ .....3.00 W. - 19 DCD.....	
State Obs Well .....1206 .....G		Well Tag Log		County WASH.....	
Num / Status		Well Tag Field		Quad24 MEACHAM CORNER.....	
Owner Well Name		Csg Diam Field .....6		Lsd Elev .....598	
Owner SAM & THERESA BEARDSLEY.....		Max Depth		LsdAccuracy .....20	
				Contact	

Sow Num	Logid	Date	Time	MP Hght	Rptd WL BLS	Verified WL BLS	Export WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	Comments
1206	WASH.....7423	01/04/2005	11:55:00	1.6	113.19		113.19	484.81	T	S	MW	OWRD	
1206	WASH.....7423	07/13/1976			103.00	103.00	103.00	495.00	R	U	DRILLER	OWRD	

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, O - Observed (for flowing wells), RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Report Date: 10/06/2005



Hydrograph for State Well WASH 7581, State Observation Well # 1189

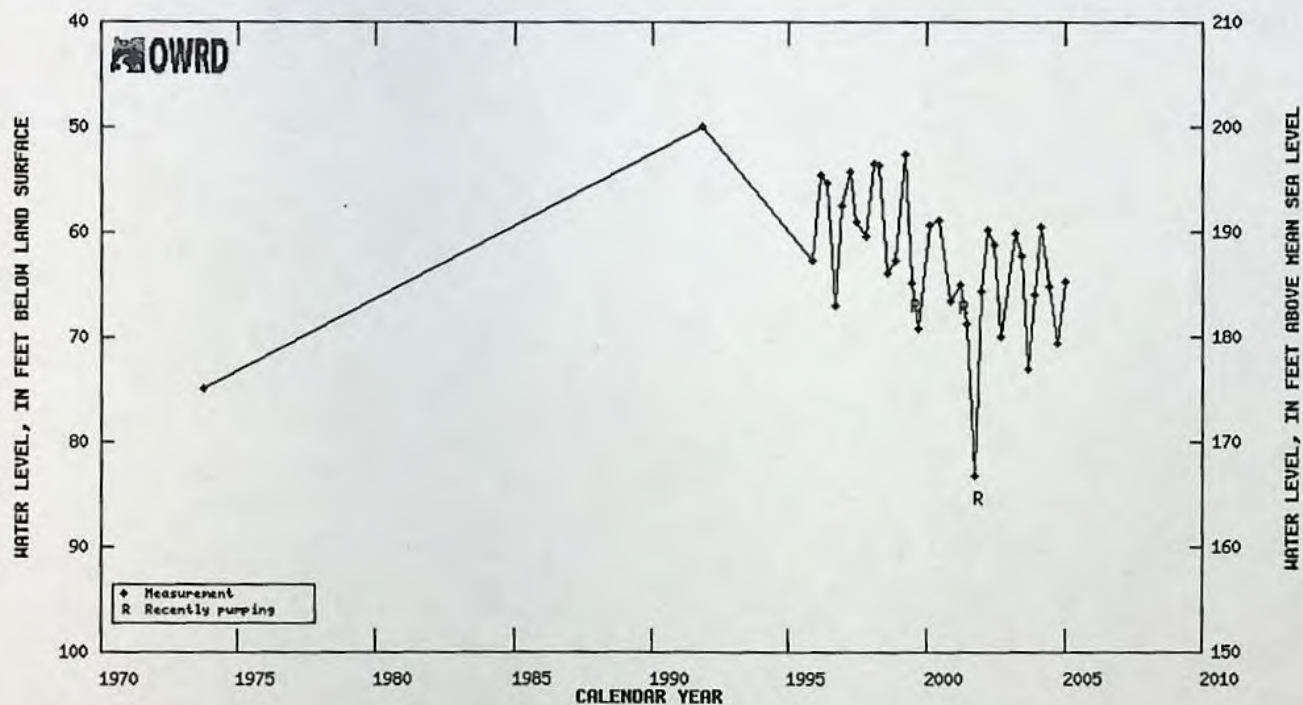
Well Location**2.88N3.88W28CCC****Oregon Water Resources Department Well Log ID****WASH 7581****Oregon Water Resources Department State Observation Well Number****1189****Well depth, in feet below land surface****325****Land surface elevation, in feet above mean sea level****258****Primary use of well****DOMESTIC**

Table showing water-level data for State Well WASH 7581, State Observation Well # 1189

STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date
of well completion.

(Do not write above this line)

OCT 18 1973

State Permit No.

STATE ENGINEER
SALEM, OREGON

Name Donald R. Olson
Address 15919 S. E. Taylor Portland, Oregon

If abandonment, describe material and procedure in Item 12.

Rotary	<input checked="" type="checkbox"/>	Driven	<input type="checkbox"/>	Domestic	<input checked="" type="checkbox"/>	Industrial	<input type="checkbox"/>	Municipal	<input type="checkbox"/>
Cable	<input type="checkbox"/>	Jetted	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>	Test Well	<input type="checkbox"/>	Other	<input type="checkbox"/>
Dug	<input type="checkbox"/>	Bored	<input type="checkbox"/>						

6" Diam. from 0 ft. to 125 ft. Gage 280
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

Type of perforator used

Size of perforations	in. by	in.	
perforations from		ft. to	ft.
perforations from		ft. to	ft.
perforations from		ft. to	ft.

Manufacturer's Name _____
 Type _____ Model No. _____
 Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
 Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield:	gal./min. with	ft. drawdown after	hrs.
"	"	"	"
"	"	"	"
Water test	25 gal./min. with	135 ft. drawdown after	1 hrs.
Artesian flow	g.p.m.		
Temperature of water	Depth artesian flow encountered _____ ft.		

Gravel placed from _____ ft. to _____ ft.

Bearing and distance from section or subdivision corner

Depth at which water was first found 67 trace ft.
 Static level 75 ft. below land surface. Date 10-2-73
 Artesian pressure _____ lbs. per square inch. Date _____

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

[illegible]

Date well drilling machine moved off of well 10-2-73 19

Drilling Machine Operator's License No. 254

Contractor's License No. 247 Date 10-14-73, 1973

SP-45850-119

OWRD Water Level Report

USGS Site ID	453723123041901			Logid	WASH 7581		TRS	2.00 N. / 3.00 W. - 28 CCC		
State Obs Well	1189 G		Well Tag Log			Csg Diam Field	6		County	WASH
	Num / Status		Well Tag Field			Max Depth			Quad24	FOREST GROVE
Owner Well Name									Lsd Elev	250
Owner	JOHN & LONI WREN								LsdAccuracy	5
								Contact		

Sow Num	Logid	Date	Time	MP Hght	Rptd WL BLS	Verified WL BLS	Export WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	Comments
1189	WASH	7581	10/02/1973		75.00	75.00	75.00	175.00	R	U	DRILLER	OWRD	NEW WELL WASH 7581
1189	WASH	7581	11/15/1991		50.00	50.00	50.00	200.00	R	U	DRILLER	OWRD	DPN LOG WASH 1240

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, O - Observed (for flowing wells), RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Report Date: 10/06/2005

OWRD Water Level Report

USGS Site ID 453723123041901		Logid WASH 7581		TRS 2.00 N / 3.00 W - 28 CCC	
State Obs Well 1189 G	Well Tag Log	Csg Diam Field 6	County WASH	Quad24 FOREST GROVE	
Num / Status	Well Tag Field	Max Depth	Lsd Elev 250	LsdAccuracy 5	
Owner Well Name			Contact		
Owner JOHN & LONI WREN					

Sow Num	Logid	Date	Time	MP Hght	Rptd WL BLS	Verified WL BLS	Export WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	Comments
1189	WASH 7581	11/10/1995		1.67	62.86		62.86	187.14	T	S	BS	QWRD	
1189	WASH 7581	02/22/1996		1.67	54.76		54.76	195.24	T	S	BS	QWRD	
1189	WASH 7581	05/28/1996		1.67	55.42		55.42	194.58	T	S	BS	QWRD	
1189	WASH 7581	08/26/1996		1.67	67.14		67.14	182.86	T	S	BS	QWRD	
1189	WASH 7581	12/04/1996		1.67	57.68		57.68	192.32	T	S	BS	QWRD	
1189	WASH 7581	03/14/1997		1.67	54.45		54.45	195.55	T	S	BS	QWRD	
1189	WASH 7581	06/18/1997		1.67	59.22		59.22	190.78	T	S	BS	QWRD	
1189	WASH 7581	10/14/1997		1.67	60.53		60.53	189.47	T	S	BS	QWRD	
1189	WASH 7581	01/29/1998		1.67	53.60		53.60	196.40	T	S	BS	QWRD	
1189	WASH 7581	04/09/1998		1.67	53.76		53.76	196.24	T	S	CB	QWRD	
1189	WASH 7581	07/17/1998		1.67	64.13		64.13	185.87	T	S	BS	QWRD	
1189	WASH 7581	11/16/1998		1.67	62.90		62.90	187.10	T	S	CB/IW	QWRD	
1189	WASH 7581	03/15/1999		1.67	52.64		52.64	197.36	T	S	IW	QWRD	
1189	WASH 7581	06/14/1999		1.67	65.00		65.00	185.00	T	R	IW	QWRD	
1189	WASH 7581	09/13/1999		1.67	69.27		69.27	180.73	T	S	IW	QWRD	
1189	WASH 7581	02/04/2000		1.67	59.48		59.48	190.52	T	S	IW	QWRD	
1189	WASH 7581	06/12/2000		1.67	58.93		58.93	191.07	T	S	CB/RLW	QWRD	
1189	WASH 7581	11/15/2000		1.67	66.63		66.63	183.37	T	S	RLW/CB	QWRD	
1189	WASH 7581	03/13/2001		1.67	65.23		65.23	184.77	T	R	CB	QWRD	
1189	WASH 7581	06/14/2001		1.67	68.90		68.90	181.10	T	S	CB	QWRD	
1189	WASH 7581	09/26/2001		1.67	83.33		83.33	166.67	T	R	AL/RLW	QWRD	
1189	WASH 7581	12/17/2001		1.67	65.78		65.78	184.22	T	S	AJK	QWRD	
1189	WASH 7581	03/12/2002	13:35:00	1.67	59.90		59.90	190.10	T	S	AJK	QWRD	
1189	WASH 7581	06/11/2002	12:36:00	1.67	61.26		61.26	188.74	T	S	AJK	QWRD	
1189	WASH 7581	08/26/2002	14:19:00	1.67	70.02		70.02	179.98	T	S	AJK	QWRD	
1189	WASH 7581	03/20/2003	15:18:00	1.67	60.27		60.27	189.73	T	S	RLW/CB	QWRD	
1189	WASH 7581	06/11/2003	13:45:00	1.67	62.42		62.42	187.58	T	S	CB	QWRD	
1189	WASH 7581	09/10/2003	13:18:00	1.67	73.16		73.16	176.84	T	S	MW/CB	QWRD	
1189	WASH 7581	12/08/2003	12:56:00	1.67	66.12		66.12	183.88	T	S	MW	QWRD	
1189	WASH 7581	03/04/2004	13:15:00	1.67	59.68		59.68	190.32	T	S	MW	QWRD	
1189	WASH 7581	06/09/2004	14:23:00	1.67	65.27		65.27	184.73	T	S	MW	QWRD	
1189	WASH 7581	09/22/2004	13:05:00	1.67	70.74		70.74	179.26	T	S	MW	QWRD	
1189	WASH 7581	01/04/2005	11:30:00	1.67	64.91		64.91	185.09	T	S	MW	QWRD	

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, O - Observed (for flowing wells), RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Report Date: 10/06/2005



Hydrograph for State Well WASH 3127, State Observation Well # 1191

Well Location	1.80N3.80W50CD
Oregon Water Resources Department Well Log ID	WASH 3127
Oregon Water Resources Department State Observation Well Number	1191
Well depth, in feet below land surface	585
Land surface elevation, in feet above mean sea level	178
Primary use of well	DOMESTIC

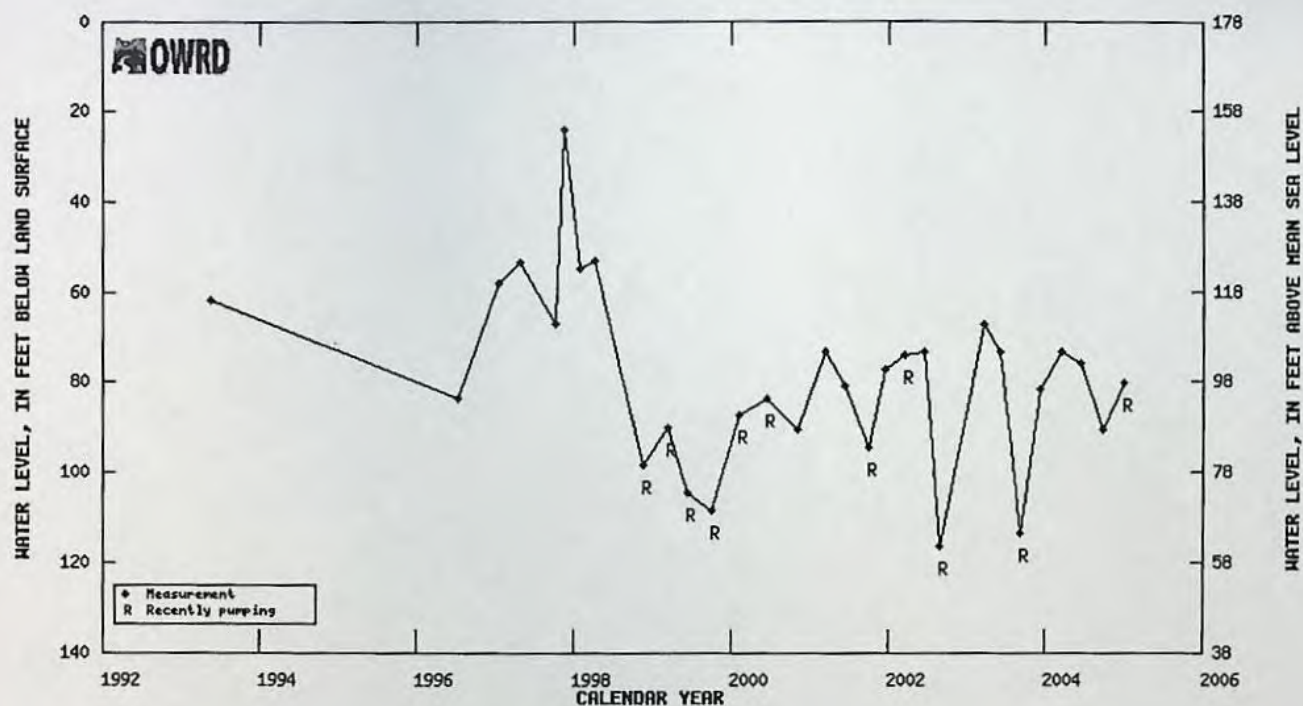


Table showing water-level data for State Well WASH 3127, State Observation Well # 1191

18
STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

WATER RESOURCES DEPT.

SALEM, OREGON

(START CARD) # 54446

(1) OWNER:

Well Number _____
Name ROGER MCNURLIN
Address 10255 NW ROY RD.
City CORNELIUS State OR Zip 97113

(2) TYPE OF WORK:

☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD:

☒ Rotary Air ☒ Rotary Mud ☐ Cable
☐ Other _____

(4) PROPOSED USE:

☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 585 ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
10	0	545	Cement	0	60	15 sks.
			Drill gel	60	465	
			Cement	465	545	20 sks.
6	545	585				

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

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	+1	545	.250	<input checked="" 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"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

☐ Perforations Method _____
☐ Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele./pipe size	Casing	Liner
						<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"/>

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

☐ Pump ☐ Bailer ☒ Air ☐ Flowing
Artesian

Yield gal/min	Drawdown	Drill stem at	Time
30		580	1 hr.
20		300	"

Temperature of Water 53 F Depth Artesian Flow Found _____

Was a water analysis done? ☒ Yes By whom AMJ

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

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____

Depth of strata: _____

(9) LOCATION OF WELL by legal description:

County WASHINGTON Latitude _____ Longitude _____
Township 1N N or S. Range 3W E or W. WM. _____
Section 6 SW 1/4 SE 1/4
Tax Lot 00602 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 10255 NW ROY RD
CORNELIUS, OR 97113

(10) STATIC WATER LEVEL:

62 ft. below land surface. Date 05/21/93
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 562

From	To	Estimated Flow Rate	SWL
562	581	30 gpm	62

(12) WELL LOG:

Ground elevation _____

Material	From	To	SWL
Topsoil	0	1	
Soft brown clay	1	19	
Soft gray clay	19	42	
Sticky gray-brown clay	42	54	
Sticky red-brown clay	54	117	
Sticky gray-brown clay	117	190	
Soft gray-green sandy clay	190	199	
Sticky blue-gray clay	199	342	
Fine to coarse black sand	342	354	
Sticky blue-gray clay	354	384	
Fine to coarse black sand	384	388	
Soft gray clay	388	444	
Brown clay	444	461	
Decomp brown basalt	461	526	
Soft brown basalt	526	535	
Firm gray-brown basalt	535	542	
Hard gray basalt	542	562	
Soft gray-black basalt	562	581	
Hard gray basalt	581	585	

Date started 05/12/93 Completed 05/21/93

(unbonded) Water Well Constructor Certification:

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

Signed _____ WWC Number _____
Date _____

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

Signed [Signature] WWC Number 1266
Date 05/25/93

OWRD Water Level Report

USGS Site ID 453540123045702		Logid WASH.....3127		TRS .....1.00 N./ .....3.00 W. -5 DCD.....	
State Obs Well .....1191 .....G	Well Tag Log	Csg Diam Field	County WASH.....		
Num / Status	Well Tag Field	Max Depth .....585	Quad24 FOREST GROVE.....		
Owner Well Name			Lsd Elev .....178	LsdAccuracy .....5	
Owner ROGER & JOANN MCNURLIN.....			Contact		

Sow Num	Logid	Date	Time	MP Hght	Rptd WL BLS	Verified WL BLS	Export WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	Comments
1191	WASH.....3127	07/16/1996		1.45	83.93		83.93	94.07	T	S	BS	OWRD	
1191	WASH.....3127	01/21/1997		1.45	58.26		58.26	119.74	T	S	BS	OWRD	
1191	WASH.....3127	05/01/1997		1.45	53.69		53.69	124.31	T	U	KW	OWRD	
1191	WASH.....3127	10/14/1997		1.45	67.14		67.14	110.86	T	S	BS	OWRD	
1191	WASH.....3127	11/19/1997		1.45	24.35		24.35	153.65	T	U	KW	OWRD	
1191	WASH.....3127	01/29/1998		1.45	55.16		55.16	122.84	T	S	BS	OWRD	
1191	WASH.....3127	04/09/1998		1.45	53.17		53.17	124.83	T	S	CB	OWRD	
1191	WASH.....3127	11/17/1998		1.45	9999.99		9999.99		ZZ	R	CB/IW	OWRD	
1191	WASH.....3127	11/19/1998		1.45	98.55		98.55	79.45	T	R	CB/IW	OWRD	
1191	WASH.....3127	03/17/1999		1.45	90.28		90.28	87.72	T	R	CB/IW	OWRD	
1191	WASH.....3127	06/15/1999		1.45	104.57		104.57	73.43	T	R	JW	OWRD	pumped turned on
1191	WASH.....3127	10/04/1999		1.45	108.55		108.55	69.45	T	R	CB/IW	OWRD	
1191	WASH.....3127	02/04/2000		1.45	87.28		87.28	90.72	T	R	JW	OWRD	
1191	WASH.....3127	06/12/2000		1.45	83.65		83.65	94.35	T	R	CB/RLW	OWRD	
1191	WASH.....3127	11/03/2000		1.45	90.76		90.76	87.24	T	S	RLW	OWRD	
1191	WASH.....3127	03/14/2001		1.45	73.27		73.27	104.73	T	S	CB	OWRD	
1191	WASH.....3127	06/11/2001		1.45	80.82		80.82	97.18	T	S	RLW	OWRD	
1191	WASH.....3127	10/01/2001		1.45	94.65		94.65	83.35	T	R	CB	OWRD	
1191	WASH.....3127	12/18/2001		1.45	77.28		77.28	100.72	T	S	AK	OWRD	
1191	WASH.....3127	03/13/2002	10:15:00	1.45	73.95		73.95	104.05	T	R	AK	OWRD	Slowly rising
1191	WASH.....3127	06/10/2002	09:53:00	1.45	73.42		73.42	104.58	T	S	AK	OWRD	
1191	WASH.....3127	08/26/2002	10:55:00	1.45	116.55		116.55	61.45	T	R	AK	OWRD	Rising
1191	WASH.....3127	03/20/2003	12:24:00	1.45	67.22		67.22	110.78	T	S	RLW/CB	OWRD	
1191	WASH.....3127	06/05/2003	11:25:00	1.45	73.34		73.34	104.66	T	S	RW	OWRD	
1191	WASH.....3127	09/09/2003	17:16:00	1.45	113.45		113.45	64.55	T	R	CB/MW	OWRD	
1191	WASH.....3127	12/08/2003	15:14:00	1.45	81.63		81.63	96.37	T	S	MW	OWRD	
1191	WASH.....3127	03/15/2004	10:15:00	1.45	73.47		73.47	104.53	T	S	MW	OWRD	
1191	WASH.....3127	06/09/2004	16:53:00	1.45	75.81		75.81	102.19	T	S	MW	OWRD	
1191	WASH.....3127	09/22/2004	16:10:00	1.45	90.59		90.59	87.41	T	S	MW	OWRD	
1191	WASH.....3127	01/04/2005	14:35:00	1.45	80.24		80.24	97.76	T	R	MW	OWRD	
1191	WASH.....3127	05/21/1993			62.00	62.00	62.00	116.00	R	U	DRILLER	OWRD	NEW WELL

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, O - Observed (for flowing wells), RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Report Date: 10/06/2005



Hydrograph for State Well WASH 6542, State Observation Well # 1224

Well Location

Oregon Water Resources Department Well Log ID

1.00N4.00M2CBA1

Oregon Water Resources Department State Observation Well Number

WASH 6542

Well depth, in feet below land surface

1224

Land surface elevation, in feet above mean sea level

386

Primary use of well

265
DOMESTIC

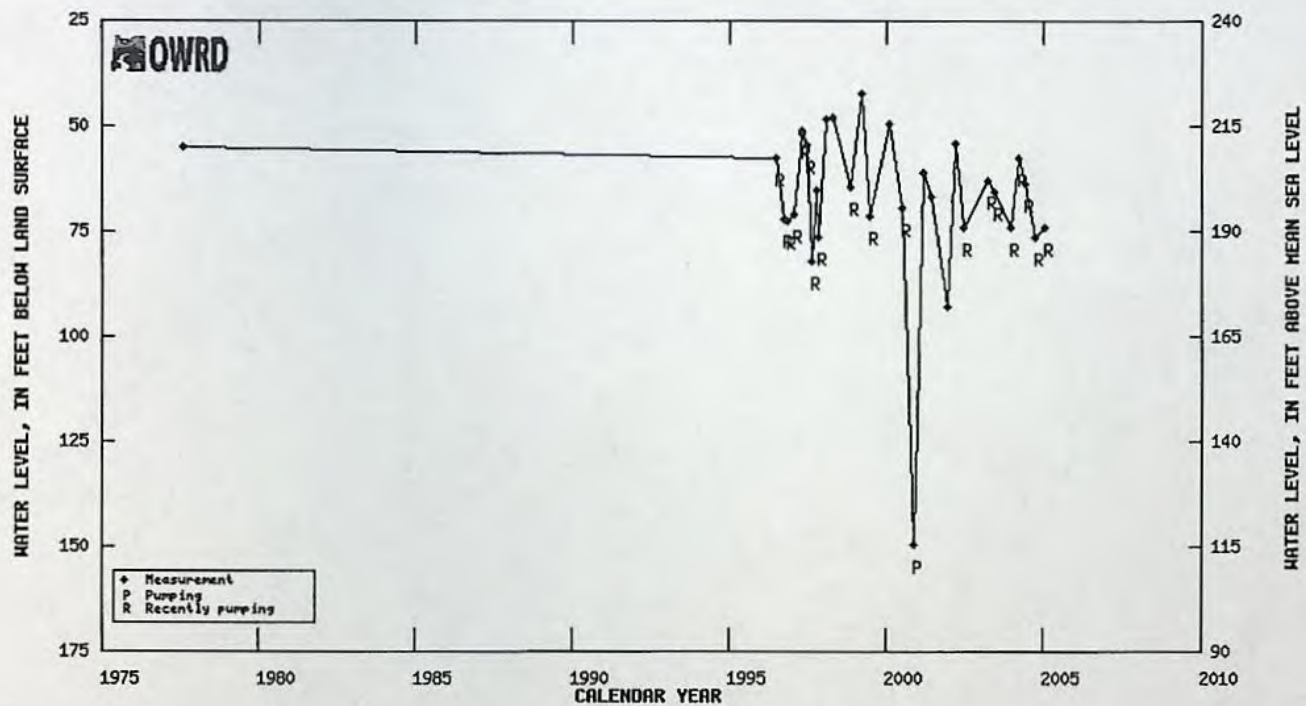


Table showing water-level data for State Well WASH 6542, State Observation Well # 1224

OWRD Water Level Report

USGS Site ID 453559123090301		Logid WASH 6542		TRS 1.00 N. / 4.00 W. - 2 CBA 1	
State Obs Well 1224 N Num / Status		Well Tag Log Well Tag Field		County WASH Quad24 GALES CREEK Lsd Elev 265 LsdAccuracy 20	
Owner Well Name Owner JAMES LEWIS				Contact	

Sow Num	Logid	Date	Time	MP Hght	Rptd WL BLS	Verified WL BLS	Export WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	Comments
1224	WASH 6542	08/16/1977			55.00	55.00	55.00	210.00	R	U	DRILLER	OWRD	NEW WELL WASH 6542
1224	WASH 6542	06/26/1996				57.94	57.94	207.06	T	R	USGS	USGS	
1224	WASH 6542	09/21/1996				72.38	72.38	192.62	T	R	USGS	USGS	
1224	WASH 6542	11/15/1996				73.02	73.02	191.98	T	R	USGS	USGS	
1224	WASH 6542	01/21/1997				40.28	40.28	224.72	T	R	USGS	USGS	
1224	WASH 6542	04/25/1997				52.03	52.03	212.97	T	S	USGS	USGS	
1224	WASH 6542	05/01/1997				51.50	51.50	213.50	S	R	USGS	USGS	
1224	WASH 6542	06/20/1997				54.63	54.63	210.37	S	R	USGS	USGS	
1224	WASH 6542	08/22/1997				82.68	82.68	182.32	S	R	USGS	USGS	
1224	WASH 6542	10/15/1997				65.73	65.73	199.27	T	S	USGS	USGS	
1224	WASH 6542	10/23/1997				76.86	76.86	188.14	S	R	USGS	USGS	
1224	WASH 6542	01/21/1997		1.12	71.38		71.38	193.62	T	R	RS	OWRD	
1224	WASH 6542	02/02/1998		1.12	48.73		48.73	216.27	T	S	RS	OWRD	
1224	WASH 6542	04/14/1998		1.12	48.33		48.33	216.67	T	S	RS	OWRD	
1224	WASH 6542	11/16/1998		1.12	64.68		64.68	200.32	T	R	CB/IW	OWRD	
1224	WASH 6542	03/15/1999		1.12	42.51		42.51	222.49	T	S	IW	OWRD	
1224	WASH 6542	06/14/1999		1.12	71.88		71.88	193.12	T	R	IW	OWRD	
1224	WASH 6542	09/14/1999		1.12	9999.99		9999.99		ZZ	U	IW	OWRD	No mmt. pumping
1224	WASH 6542	02/04/2000		1.12	49.71		49.71	215.29	T	S	IW	OWRD	
1224	WASH 6542	06/26/2000		1.12	69.88		69.88	195.12	T	R	RLW/CB	OWRD	
1224	WASH 6542	11/03/2000		1.12	149.88		149.88	115.12	T	P	RLW	OWRD	Cistem in garage overflowing
1224	WASH 6542	03/14/2001		1.12	61.16		61.16	203.84	T	S	CB	OWRD	
1224	WASH 6542	06/11/2001		1.12	67.23		67.23	197.77	T	S	RLW	OWRD	
1224	WASH 6542	09/26/2001		1.12	9999.99		9999.99		ZZ	P	RW/AL	OWRD	Pumping no mmt.
1224	WASH 6542	12/18/2001		1.12	93.10		93.10	171.90	T	S	AK	OWRD	
1224	WASH 6542	03/13/2002	10:37:00	1.12	54.38		54.38	210.62	T	S	AK	OWRD	
1224	WASH 6542	06/10/2002	10:45:00	1.12	74.38		74.38	190.62	T	R	AK	OWRD	Intermittent pmgs during mmt. readings
1224	WASH 6542	08/26/2002	11:39:00	1.12	9999.99		9999.99		ZZ	U	AK	OWRD	Hung up @ 17' no mmt.
1224	WASH 6542	03/20/2003	12:43:00	1.12	63.38		63.38	201.62	T	R	RW/CB	OWRD	Rising- they started pumping
1224	WASH 6542	06/05/2003	11:40:00	1.12	65.88		65.88	199.12	T	R	RW	OWRD	Rising rapidly not pmgs during mmt. bu
1224	WASH 6542	09/09/2003		1.12	9999.99		9999.99		ZZ	P	CB/MW	OWRD	Pump on just prior to mmt. and 3 times d
1224	WASH 6542	12/08/2003	11:44:00	1.12	74.40		74.40	190.60	T	R	MW	OWRD	
1224	WASH 6542	03/10/2004	15:53:00	0.92	57.70		57.70	207.30	T	R	MW/CB	OWRD	

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, O - Observed (for flowing wells), RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Report Date: 10/06/2005 1

OWRD Water Level Report

USGS Site ID 453559123090301		Logid WASH 6542		TRS 1.00 N. / 4.00 W. - 2 CBA 1	
State Obs Well 1224 N	Well Tag Log	Csg Diam Field	County WASH	Quad24 GALES CREEK	
Num / Status	Well Tag Field	Max Depth 306	Lsd Elev 265	LsdAccuracy 20	
Owner Well Name			Contact		
Owner JAMES LEWIS					

Sow Num	Logid	Date	Time	MP Hght	Rptd WL BLS	Verified WL BLS	Export WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	Comments
1224	WASH	06/09/2004	13:24:00	0.92	64.06		64.06	200.94	T	R	MW	OWRD	
1224	WASH	09/22/2004	11:30:00	0.92	76.80		76.80	188.20	T	R	MW	OWRD	Slowly rising
1224	WASH	01/04/2005	10:30:00	0.92	74.58		74.58	190.42	T	R	MW	OWRD	Rising rapidly. pump turned on during mm
1224	WASH	01/04/2005			9999.99		9999.99		ZZ	U	MW	OWRD	DROPPED. ALWAYS PMPG/RECOV

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, O = Observed (for flowing wells), RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Report Date: 10/06/2005



Hydrograph for State Well WASH 6556

Well Location	1.00N4.00W300D
Oregon Water Resources Department Well Log ID	WASH 6556
Oregon Water Resources Department State Observation Well Number	----
Well depth, in feet below land surface	341
Land surface elevation, in feet above mean sea level	175
Primary use of well	DOMESTIC

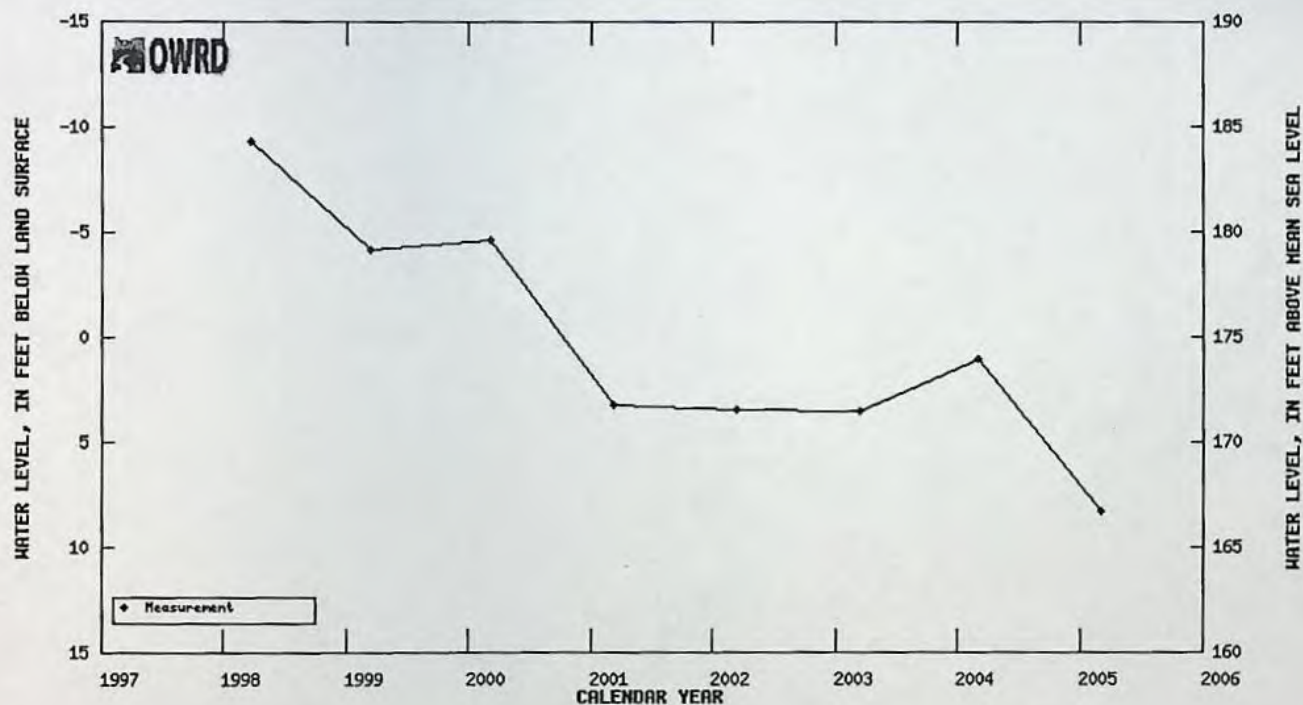


Table showing water-level data for State Well WASH 6556

STATE ENGINEER
Salem, Oregon

WASH
6556

Well Record

STATE WELL NO. IN 44 380
COUNTY Wash.
APPLICATION NO. _____

OWNER: Wayne Hensley MAILING ADDRESS: _____
LOCATION OF WELL: Owner's No. _____ CITY AND STATE: _____

_____ 1/4 _____ 1/4 Sec. _____ T. _____ N. _____ E.
S., R. _____ W., W.M.

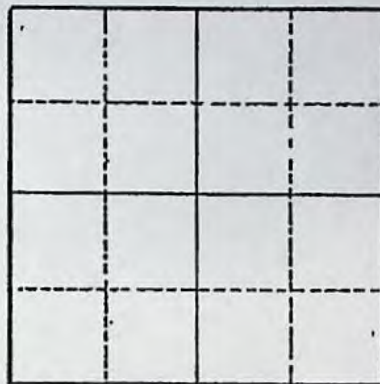
Bearing and distance from section or subdivision
corner _____

Altitude at well 175 ft.

TYPE OF WELL: drilled Date Constructed _____

Depth drilled 341 ft. Depth cased 311 ft.

CASING RECORD: 6 inch



Section _____

FINISH: _____

AQUIFERS: Basalt from 32 to 341 ft.

WATER LEVEL: F.

PUMPING EQUIPMENT: Type jet H.P. _____
Capacity _____ G.P.M.

WELL TESTS:
Drawdown _____ ft. after _____ hours _____ G.P.M.
Drawdown _____ ft. after _____ hours _____ G.P.M.

USE OF WATER Domestic & irrigation Temp. _____ °F. _____, 19 _____

SOURCE OF INFORMATION U.S.G.S.

DRILLER or DIGGER _____

ADDITIONAL DATA:
Log _____ Water Level Measurements _____ Chemical Analysis _____ Aquifer Test _____

REMARKS: Flowing 25 gpm; materials reported as sand, clay, and gravel to 309 ft.; temperature of water is 56° F.

OWRD Water Level Report

USGS Site ID 453535123092301	Logid WASH 6556	TRS 1.00 N./ 4.00 W. - 3 DDD
State Obs Well	Well Tag Log	County WASH
Num / Status	Well Tag Field	Quad24 GALES CREEK
Owner Well Name	Csg Diam Field	Lsd Elev 175
Owner WAYNE HENSLEY	Max Depth 341	LsdAccuracy 5
		Contact

Sow Num	Logid	Date	Time	MP Hght	Rptd WL BLS	Verified WL BLS	Export WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	Comments
.....	WASH.....6556	03/25/1998	.....	.....	-9.30	.....	-9.30	184.30	U	S	W.RICHARD VERBOORT	CWRE	DOMESTIC USE IN PREVIOUS 24 HRS
.....	WASH.....6556	03/16/1999	.....	.....	-4.10	.....	-4.10	179.10	U	S	W.RICHARD VERBOORT	CWRE	DOMESTIC USE IN PREVIOUS 24 HRS
.....	WASH.....6556	03/10/2000	.....	.....	-4.60	.....	-4.60	179.60	U	S	W.RICHARD VERBOORT	CWRE	DOMESTIC USE IN PREVIOUS 24 HRS
.....	WASH.....6556	03/12/2001	.....	.....	3.30	.....	3.30	171.70	U	S	W.RICHARD VERBOORT	CWRE	DOMESTIC USE IN PREVIOUS 24 HRS
.....	WASH.....6556	03/12/2002	.....	.....	0	.....	3.50	171.50	T	S	W.RICHARD VERBOORT	CWRE	DOMESTIC USE IN PREVIOUS 24 HRS
.....	WASH.....6556	03/18/2003	.....	.....	92	.....	3.58	171.42	T	S	W.RICHARD VERBOORT	CWRE	DOMESTIC USE IN PREVIOUS 24 HRS
.....	WASH.....6556	03/04/2004	.....	.....	92	.....	1.08	173.92	T	S	W.RICHARD VERBOORT	CWRE	DOMESTIC USE IN PREVIOUS 24 HRS
.....	WASH.....6556	03/07/2005	.....	.....	92	.....	8.38	166.62	Z	S	W.RICHARD VERBOORT	CWRE	DOMESTIC USE IN PREVIOUS 24 HRS

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, O - Observed (for flowing wells), RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Report Date: 10/06/2005



Hydrograph for State Well WASH 59307

Well Location	1.80N3.80W17RA
Oregon Water Resources Department Well Log ID	WASH 59307
Oregon Water Resources Department State Observation Well Number	----
Well depth, in feet below land surface	
Land surface elevation, in feet above mean sea level	
Primary use of well	not determined

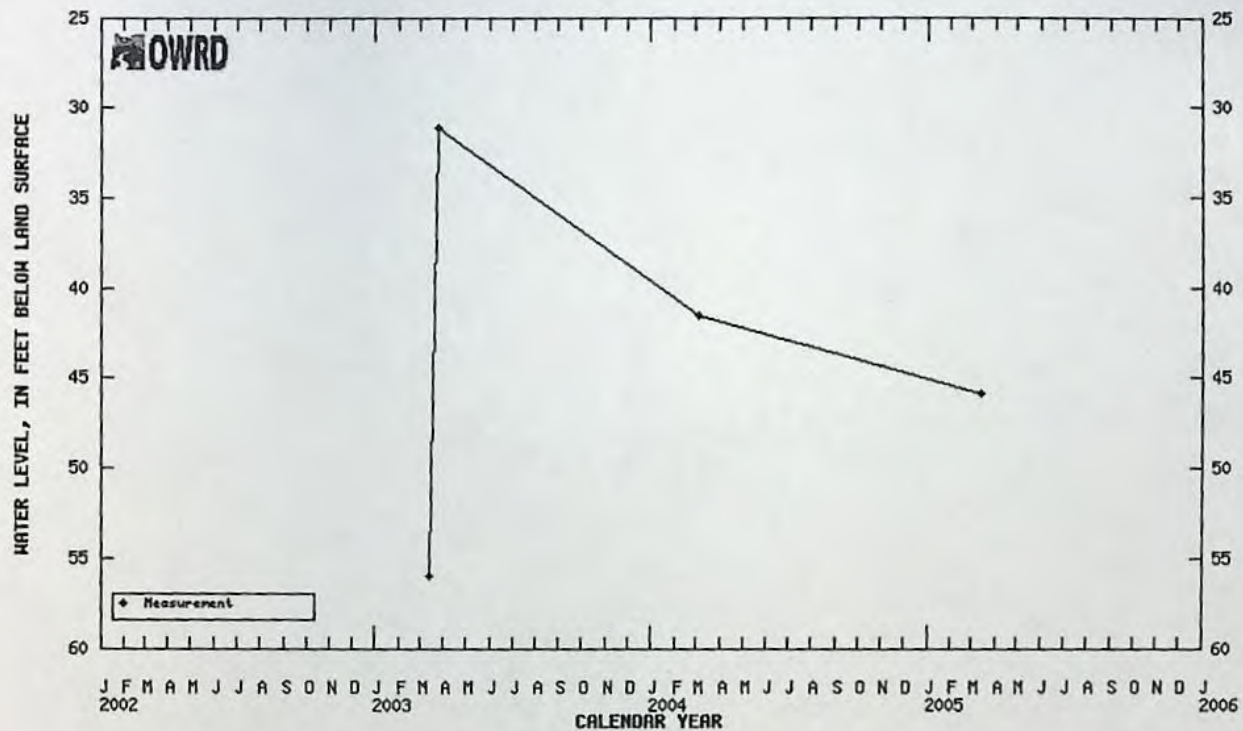


Table showing water-level data for State Well WASH 59307

RECEIVED

WASH 59307

Page 1 of 2

STATE OF OREGON

AMENDED WELL LOG

WATER RESOURCES DEPARTMENT
(as required by ORS 516.010)

SALEM, OREGON

Wash 59307

WELL I.D. # L 64130
START CARD # 149005

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

(1) LAND OWNER

Well Number

Name J. D. THOMPSON PROPERTIES, LLC - SCOTT D. WALTERS

Address 29525 NW CHALMERS LANE

City CORNELIUS State OR Zip 97113

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☒ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 1960'Explosives used ☐ Yes ☒ No Type Amount

HOLE

SEAL

Diameter	From	To	Material	From	To	Sacks or pounds
20"	0	38	Bentonite	0	38	25 sks
15"	38	1080	Cement	0	225	95 sks
			Cement	920	1080	65 sks
10"	1080	1140	Cement	840	1140	35 sks
8"	1140	1960				

How was seal placed: Method ☐ A ☒ B ☐ C ☐ D ☐ E☒ Other Poured into annular

Backfill placed from 225 ft. to 920 ft. Material Drill gel

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 16"	0	38	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10"	+3	1080	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8"	840	1140	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used ☐ Inside ☐ Outside ☒ None

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations

Method

☐ Screens

Type

Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

☐ Pump☐ Bailer☒ AirFlowing ☐ Artesian

Yield gal/min

Drawdown

Drill stem at

Time

200

300

1 hr.

460

500

3 hrs.

660

700

6 hrs.

Temperature of water 73°F Depth Artesian Flow Found

Was a water analysis done? ☒ Yes By whom AMJDid any strata contain water not suitable for intended use? ☐ Too little☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County WASHINGTON

Latitude

Longitude

Township 1N

N or S Range 3W

E or W. WM.

Section 17

NE

1/4

NE

1/4

Tax Lot 100

Lot

Block

Subdivision

Street Address of Well (or nearest address) NR. 29525 NW CHALMERS LANE, CORNELIUS, OR

(10) STATIC WATER LEVEL:

56 ft. below land surface.

Date 03/14/03

Artesian pressure lb. per square inch

Date

(11) WATER BEARING ZONES:

Depth at which water was first found 1164

From	To	Estimated Flow Rate	SWL
1164	1215	100 gpm	56
1215	1410	100 gpm	"
1410	1460	100 gpm	"
1814	1960	360 gpm	56

(12) WELL LOG:

Ground Elevation

Material	From	To	SWL
Brown clay	0	18	
Gray clay	18	79	
Sticky gray clay	79	112	
Fine to coarse red-brn sand	112	117	
Sticky lt. gray clay	117	139	
Sticky gray-brn. clay	139	202	
Sticky gray clay	202	430	
Soft blue-gray clay	430	577	
Soft dark gray clay	577	786	
Soft blue-gray clay	786	849	
Firm gray clay	849	960	
Med. blk. sand w/wood&clay	960	996	
Decomp. brown basalt	996	1069	
Firm gray-blk. basalt	1069	1164	
Gray-black basalt	1164	1215	56
Hard gray-black basalt	1215	1322	"
Broken black basalt	1322	1410	"
Brkn. gray-blk. basalt	1410	1425	"
Hard gray-blk. basalt	1425	1472	56

Date started 08/29/02 Completed 03/14/03

(unbonded) Water Well Constructor Certification:

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

WWC Number

Signed

Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266

Signed

Date 03/17/03

OWRD Water Level Report

USGS Site ID	Logid WASH.....	59307	TRS	1.00 N./	3.00 W. -	17 AA.....
State Obs Well	Well Tag Log	Csg Diam Field	County			
Num / Status	Well Tag Field	Max Depth	Quad24			
Owner Well Name			Lsd Elev	LsdAccuracy		
Owner			Contact			

Sow Num	Logid	Date	Time	MP Hght	Rptd WL BLS	Verified WL BLS	Export WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	Comments
.....	WASH.....	59307	03/14/2003	.....	56.00	.....	56.00	.....	R.....	U.....	DRILLER.....	OWRD.....	.....
.....	WASH.....	59307	03/25/2003	2.17	31.13	.....	31.13	.....	T.....	S.....	W.RICHARD VERBOORT.....	CWRE.....	IDLE 24+ HRS
.....	WASH.....	59307	03/04/2004	2.17	41.58	.....	41.58	.....	T.....	S.....	W.RICHARD VERBOORT.....	CWRE.....	IDLE 24+ HRS
.....	WASH.....	59307	03/14/2005	2.17	45.83	.....	45.83	.....	T.....	S.....	W.RICHARD VERBOORT.....	CWRE.....	IDLE 24+ HRS

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, O - Observed (for flowing wells), RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Report Date: 10/06/2005



Hydrograph for State Well WASH 6051

Well Location	1.00N3.00W14R
Oregon Water Resources Department Well Log ID	WASH 6051
Oregon Water Resources Department State Observation Well Number	----
Well depth, in feet below land surface	1310
Land surface elevation, in feet above mean sea level	
Primary use of well	not determined

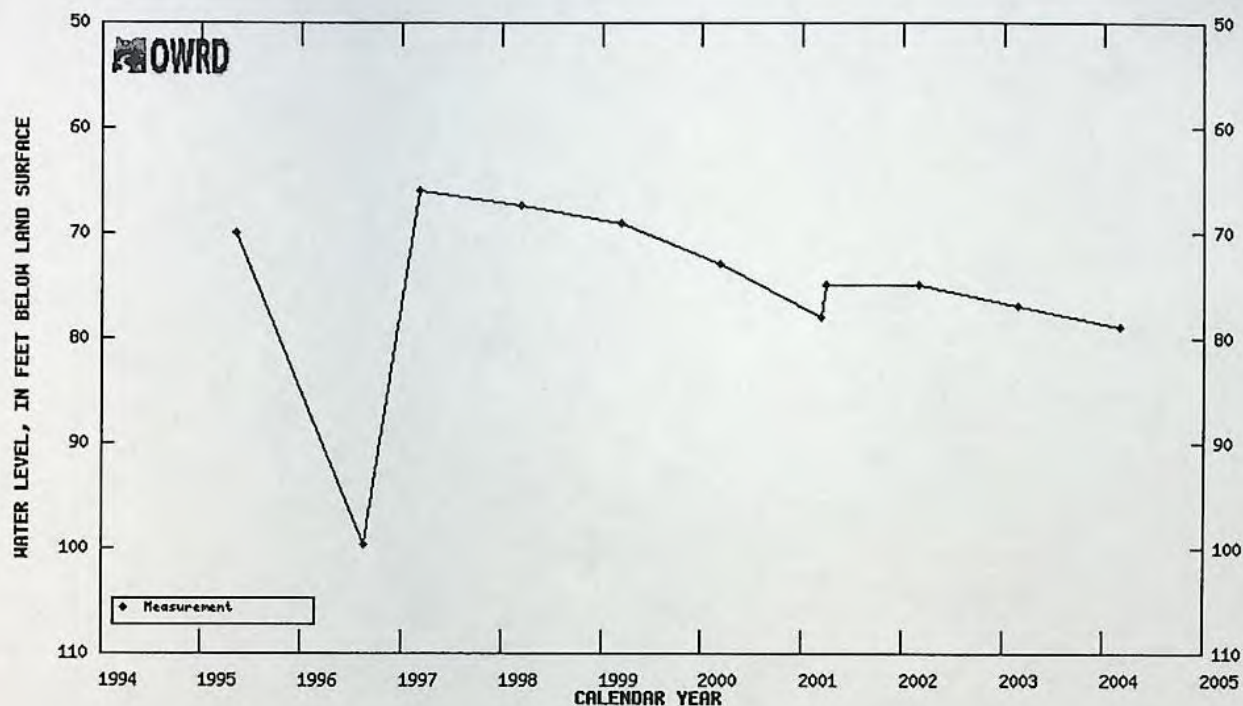


Table showing water-level data for State Well WASH 6051

18
T
WASH
6051
s report are on the l

MAY - 9 1995

(START CARD) # 76662

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

~~SALEM, OREGON~~

Well Number 252

(9) LOCATION OF WELL by legal description:

County Wash Latitude _____ Longitude _____
Township 1/N N or S Range 3/W E or W. WM.
Section 11 SE 1/4 NW 1/4
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Milne Rd.

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 116 ft

Explosives used ☐ Yes ☒ No Type _____ Amount _____

SEAL.

Diameter	From	To	Material	From	To	Sacks or pounds
14	0	738	cement	0	738	640
10	738	1050				
8	1050	1160				

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

Backfill placed from	ft. to	ft.	Material
Gravel placed from	ft. to	ft.	Size of gravel

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	10	+2	738	316 250	<input checked="" 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"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s)

From		To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
							<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"/> Pump	<input type="checkbox"/> Bailer	<input checked="" type="checkbox"/> Air	<input type="checkbox"/> Flowing <input type="checkbox"/> Artesian
Yield gal/min	Drawdown	Drill stem at	Time
2000	1090	1160	1 hr.

Temperature of water	68	Depth Artesian Flow Found
----------------------	----	---------------------------

Was a water analysis done? ☐ Yes By whom

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

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____

Depth of strata:

70 ft. below land surface.

Date 4/13/95

Artesian pressure lb. per square inch.

(11) WATER BEARING ZONES:

Depth at which water was first found 1050

From	To	Estimated Flow Rate	SWL
1050	1160	2000	70

(12) WELL LOG:

Ground Elevation

[illegible]

Date started 3/13/95 Completed 4/13/95

(unbonded) Water Well Constructor Certification:

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

Signed Lernard Blair WWC Number 1622
Date 5/8/95

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

Signed Rozko C. Gut WWC Number 663
Date 5/8/95

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

OWRD Water Level Report

USGS Site ID		Logid WASH.....6051		TRS .....1.00 N. /3.00 W. - 14 AC.....	
State Obs Well		Well Tag Log		County	
Num / Status		Well Tag Field		Quad24	
Owner Well Name		Csg Diam Field		Lsd Elev	
Owner		Max Depth .....1310		LsdAccuracy	
				Contact	

Sow Num	Logid	Date	Time	MP Hght	Rptd WL BLS	Verified WL BLS	Export WL BLS	WL Elev	Method Code	Status Code	Measured By	Source Org	Comments
.....	WASH.....6051	05/08/1995	.....	.....	70.00	.....	70.00	.....	R.....	U.....	DRILLER.....	OWRD.....	WELL LOG.....
.....	WASH.....6051	08/19/1996	.....	.....	99.80	.....	99.80	.....	T.....	S.....	RON.BEEFLER.....	PUMP.....	PUMPTST.SWL LEVEL.....
.....	WASH.....6051	03/05/1997	.....	.....	66.00	.....	66.00	.....	T.....	S.....	UNKNOWN.....	PUMP.....	IDLE 6 MONTHS.....
.....	WASH.....6051	03/13/1998	.....	.....	67.50	.....	67.50	.....	T.....	S.....	LARRY.STOCKIE.....	PUMP.....	IDLE 6 MONTHS.....
.....	WASH.....6051	03/16/1999	.....	.....	69.17	.....	69.17	.....	T.....	S.....	LARRY.STOCKIE.....	PUMP.....	IDLE 6 MONTHS.....
.....	WASH.....6051	03/13/2000	.....	.....	73.00	.....	73.00	.....	T.....	S.....	LARRY.STOCKIE.....	PUMP.....	IDLE 5 MONTHS.....
.....	WASH.....6051	03/14/2001	.....	.....	78.00	.....	78.00	.....	T.....	S.....	LARRY.STOCKIE.....	PUMP.....	IDLE 5 MONTHS.....
.....	WASH.....6051	03/29/2001	.....	1.65	75.05	.....	75.05	.....	T.....	S.....	MARC.NORTON.JUNO.....	OWRD.....	FLOWMETER READING 284.921" AF.....
.....	WASH.....6051	02/28/2002	.....	.....	75.00	.....	75.00	.....	T.....	U.....	LARRY.STOCKIE.....	PUMP.....	.....
.....	WASH.....6051	02/24/2003	.....	.....	77.00	.....	77.00	.....	T.....	U.....	LARRY.STOCKIE.....	PUMP.....	.....
.....	WASH.....6051	03/01/2004	.....	.....	79.00	.....	79.00	.....	T.....	S.....	LARRY.STOCKIE.....	PUMP.....	.....

Method Codes: A = Airline, T = Etape, V = Calibrated Etape, G = Uncalibrated Gage, H = Calibrated Gage, O - Observed (for flowing wells), RA = Recorder Analog, RS = Recorder Shaft Encoder, RT = Recorder Transducer, R = Reported, S = Steel Tape, U = Unknown

Status Codes: D = Dry, A = Falling, F = Flowing, P = Pumping, R = Rising, S = Static, U = Unknown

Report Date: 10/06/2005

Water Right Conditions
Tracking Slip

Groundwater/Hydrology Section

FILE # = G-15887

ROUTED TO: W.R.

TOWNSHIP/

RANGE-SECTION: 2N/3W-31

CONDITIONS ATTACHED? ☐ yes ☐ no

REMARKS OR FURTHER INSTRUCTIONS:

No Water Available

Reviewer: MARC

TO: Water Rights Section June 6, 200 3

FROM: Ground Water/Hydrology Section Marc Norton
Reviewer's Name

SUBJECT: Application G- 15887
Supersedes review of _____
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.*

A. GENERAL INFORMATION: 4506 PM Applicant's Name: City of Banks

A1. Applicant(s) seek(s) 1.0 cfs from one well(s) in the Willamette Basin,
Tualatin subbasin Quad Map: Forest Grove

A2. Proposed use: Municipal Seasonality: Year round

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

Well	Logid	Proposed Aquifer*	Proposed Rate(cfs)	Location (T/R-S QQ-Q)	Location, metes and bounds, example: 2250' N, 1200' E fr NW cor S 36
1	Proposed	CRB	1.0	2N/3W-31 (2)	5 different proposed locations
2				2N/3W-30 (1)	
3				2N/4W-36 (1)	
4				1N/4W-1 (1)	
5					

* Alluvium, CRB, Bedrock

Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval	Casing Intervals	Liner Intervals	Perforations Or Screens	Well Yield	Draw Down	Test Type
1		90	~20		~300	0-400	0-400	380-800	400-700	450	?	?

Use data from application for proposed wells.

A4. Comments: Because there are 5 proposed well locations with similar well construction (except #1) I reviewed based on generalities in the permit. This well ~~to~~ will be completed in the basalt with a deep case and seal (400'). Because of proposed construction and geology

A5. ☐ Provisions of the Willamette 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: _____

B. GROUND WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130 (b) (c)

B1. Based upon available data, I have determined that ground water for the proposed use:

- a. ☒ is over appropriated, ☐ is not over appropriated, or ☐ cannot be determined to be over-appropriated during any period of the proposed use;
- b. ☒ will not or ☐ will likely be available in the amounts requested without injury to prior ground water rights;
- 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:
- ☐ The permit should contain condition #(s) _____;
 - ☐ The permit should be conditioned as indicated in item 2 below.
 - ☐ The permit should contain special condition(s) as indicated in item 3 below;

- B2. 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. ☐ Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to 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 Ground Water Section.

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): _____

- B3. Ground water availability remarks: Recently reviewed G.W. Application G-15871, about 3 miles SE of Banks; conditioned TI-Hillamette Valley Basalt Condition
- Also, reviewed Hillsboro School District - No Water Available - proposed 2-year water rights.
- Reviewed water level data from permit condition database. There are several wells nearby that are showing declines, with about
- There is a well in section 31 (G-14429) that is about 1/2 way to trigger. A year-round use will have a significant impact on this use.
- There are 2 wells in section 6 (SE of Banks) that are 2/3rds of the way to reaching their triggers
- There are 2 wells in section 1 (SW of Banks) that are from 1/2 to almost reaching their triggers
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

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
1	CRB	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

Basis for aquifer confinement evaluation: geology - hydrology**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.**

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	Un Named Tributary to Dairy				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2	West Fork of Dairy Ck				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	1					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	1					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	1					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	1					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	2					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Basis for aquifer hydraulic connection evaluation: hydrogeologic setting**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. If Q is not distributed by well, use full rate for each well. If modeled, include description and model parameters in Comments (C3b). Any checked ☒ box indicates the well is assumed to have the potential to cause substantial interference with surface water.**

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?
1	1/2	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
2	1/2	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
3	1/2	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
4	1/2	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
5	1/2	<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: _____

C4a. **690-09-040 (5):** Estimated impacts on surface water sources as percent or qualitative fraction* of proposed pumping rate. Limit evaluation to one year of pumping.

Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1/2	VL											
2	1/2	VL											
3	1/2	VL											
4	1/2	VL											
5	1/2	VL											

*VL = Very Low (<5%), L = Low (5-25%), I = Intermediate (25-75%), H = High (>75%).

Basis for impact evaluation: _____

C4b. **690-09-040 (5):** Evaluation of paragraphs under subsection 5. A determination of ☒ **Low** denotes no connection or a very indirect connection between surface water and ground water; ☐ **High** denotes hydraulic connection that would likely reduce surface water availability in the first year of pumping. Do not equate "Low" and "High" between C4a and C4b.

- (a) The potential to reduce surface water availability in _____ is ☒ **Low** or ☐ **High**
 The potential to reduce surface water availability in _____ is ☐ **Low** or ☐ **High**
 The potential to reduce surface water availability in _____ is ☐ **Low** or ☐ **High**
 The potential to reduce surface water availability in _____ is ☐ **Low** or ☐ **High**

Basis: _____

(b) The potential to impair or detrimentally affect the public interest is to be determined by the Water Rights Section.

C4b. 690-09-040 (5):. Evaluation of paragraphs under subsection 5 continued.

(c) The **percentage** of appropriation in the first year of use that will be at the expense of surface water <5%Basis: Hydrogeologic setting(d) The timing of interference will be ☐ immediate (within one year), or ☒ delayed;Basis: Hydrogeologic setting(e) The potential for cumulative adverse impacts: A graphical distribution of POAs and summary of permitted rights
☐ are or ☐ are not available at this time of review.

Impacted stream	Impacted basin or sub-basin	Existing Ground Water Rights (cfs)

Comments: _____

C5. ☐ If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water use under this permit can be regulated if it is found to substantially interfere with surface water:

- i. ☐ The permit should contain condition #(s) _____;
- ii. ☐ The permit should contain special condition(s) as indicated in "Remarks" below;
- iii. ☐ The permit should be conditioned as indicated in item 6 below;

C6. ☐ If the well is not reconstructed, it will interfere with surface water. Well reconstruction, as follows, will adequately protect surface water from interference. If the ground water use under this permit is found to have the potential for substantial interference with surface water, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Ground Water Section.:

The well should be reconstructed as follows: _____

C7. SW / GW Remarks _____

D. WELL 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 _____;
 - 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).
-

List of water rights with water level monitoring conditions in 4 Townships

2N/3W - 31

14 Rights
In Township

G-14429 AP

1 3520 Permit (C)

1 3543 Permit (V)

*

*

				Sect
1	WASH	909	NO	25
2	"	3746	NO	36
3	"	7691	N	36
4	_____			
5	"	3746	N	36
6	"	50693	$\approx 1/2$	31
7	"	"	$1/2$	31
8	_____			
9	_____			
10	_____			
11	"	4436	$\approx 1/2$	36
12	_____			
13	"	54572	New	4
14		56924	New	29

Very close
in 2001

2N/4W - 36

None

2N/3W - 6

14 Rights in
Township

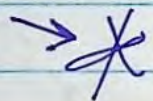
*

1	WASH	2	No data	
2		BFS		
3	"	6051	$2 \frac{2}{3}$ there	14
4		BFS		
5	"	52537	New 3yrs	27
6			No Data	
7		BFS		
8			No Data	
9		6051	$11 \frac{1}{5}$ close	11
10		5993	Well construction?	5

T/R	#	City	Log#	Status	Sect.
IN/3W-6	11	WASH	57898	New	14
	12	"	57621	"	15
	13	same same permit nowell			POD #2 16
	14	Same Well - New Application			14

IN/4W-11

5 Rights



1	Wash	6556	Very Close	3
2	BFS			
3	"	52332	Little data	21
4	"	3212	1/2 12/25	23
5	"	58716	New 2001	8

STATE OF OREGON
WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

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

WASH
50693

RECEIVED

MAY 28 1996

Nearby Well

(START CARD) # 86703

(1) OWNER:

Name QUAIL VALLEY GOLF COURSE
Address 12565 NW AERTS RD.
City BANKS State OR Zip 97106

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☒ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 640 ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE			SEAL		
Diameter	From	To	Material	From	To
14-3/4"	0	312	Cement	0	90
			Cement	280	312
10"	312	640			

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

Backfill placed from 90 ft. to 280 ft. Material Hivisc Gel & Bent. chips
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 10"	+1	312	250	<input checked="" 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"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

From		To	Slot size	Number	Diameter	Material	Casing	Liner
						Telephone size	<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

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

Pump	Bailer	Air	Flowing
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Artesian
Yield gal/min	Drawdown	Drill stem at	Time
300+		280	1 hr.
200		180	"
180		100	"

Temperature of water 56 F Depth Artesian Flow Found _____
Was a water analysis done? ☒ Yes By whom AMT
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:

County WASHINGTON Latitude _____ Longitude _____
Township 2N N or S Range 3W E or W. WM.
Section 31 NW 1/4 SE 1/4
Tax Lot 00100 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 12565 NW AERTS RD
BANKS, OR

(10) STATIC WATER LEVEL:

18 ft. below land surface. Date 05/20/96
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 340

From	To	Estimated Flow Rate	SWL
340	465	100 GPM	18
515	575	100 "	18
575	630	100+GPM	18

(12) WELL LOG:

Material	From	To	SWL
Topsoil	0	1	
Dark brown clay	1	4	
Sticky brown clay	4	16	
Sticky gray-brown clay	16	94	
Sticky red-brown clay	94	156	
Decomp. brown basalt, occ. clay interbeds	156	283	
Soft brown basalt	283	298	
Firm gray-brown basalt	298	310	
Hard gray basalt	310	340	
Gray-brown, gray-black basalt	340	465	18
occ. brown basalt streaks			"
(caving zone 420-435, grouted solid)			
Brown basalt & ash, cemented debris	465	515	
Gray-brown basalt, frac. occ.	515	575	18
broken green mineral stain			"
Brown & gray-brown basalt, brown	575	630	18
Gray-black basalt, hard, frac.	630	640	

Date started 04/02/96 Completed 05/20/96

(unbonded) Water Well Constructor Certification:

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

WVC Number _____
Signed _____ Date _____

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WVC Number 1266 & 573
Signed _____ Date 05/22/96

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

WELL LOGS WITHIN 1 MILE OF APPLICATION G 15887

ABANDON: 38
 RECONDITIONED: 14
 REPAIRED: 8
 CONVERSION: 0
 DEEPENINGS: 48
 NEW CONSTRUCT: 744

COMMUNITY USE: 6
 DOMESTIC USE: 784
 INDUSTRIAL USE: 6
 INJECTION USE: 0
 IRRIGATION USE: 30
 THERMAL USE: 0
 LIVESTOCK USE: 18

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 15887

\$RECNO	APPLICATION	PERMIT	CLAIM	LOC-QQ	USE_CODE
1	G	799	G 726	0 2.00N 4.00W24SENE	IR
2	G	6060	G 5724	0 2.00N 4.00W25NENE	IR
3	G	7812	G 7903	0 2.00N 4.00W26NESE	QM
4	G	7812	G 7903	0 2.00N 4.00W26SESE	QM
5				2.00N 4.00W36NESE	
6	G	7202	G 6736	0 2.00N 3.00W19SWSW	IR
6	S	69112	S 50259	0 2.00N 3.00W19SWSW	IR
6	S	69112	S 50259	0 2.00N 3.00W19SWSW	IR
6	S	69112	S 50259	0 2.00N 3.00W19SWSW	DO
6	S	69112	S 50259	0 2.00N 3.00W19SWSW	DO
6	R	69111	R 10905	0 2.00N 3.00W19SWSW	IR
7	G	15645	0	0 2.00N 3.00W30SENE	IR
7	G	15645	0	0 2.00N 3.00W30SENE	GD
7	G	6628	G 5336	0 2.00N 3.00W30SENE	IR
8				2.00N 3.00W30SWSW	
9	G	15271	G 15205	0 2.00N 3.00W29SWSE	IR
10	G	9241	G 8564	0 2.00N 3.00W28SWSW	IR
11	G	8476	G 7593	0 2.00N 3.00W31NENW	MU
12	G	7241	G 6646	0 2.00N 3.00W31NENE	IR
13	R	76218	0	0 2.00N 3.00W31NENE	WI
13	R	76218	0	0 2.00N 3.00W31NENE	AS
13	R	76218	0	0 2.00N 3.00W31NENE	IR
13	S	43819	S 32760	0 2.00N 3.00W31NENE	IS
13	S	43819	S 32760	0 2.00N 3.00W31NENE	IS
13	S	43819	S 32760	0 2.00N 3.00W31NENE	IS
13	S	43819	S 32760	0 2.00N 3.00W31NENE	IS
13	G	14429	G 13520	0 2.00N 3.00W31NENE	IS
13	G	14429	G 13543	0 2.00N 3.00W31NENE	IS
13	S	13181	S 9433	0 2.00N 3.00W31NENE	DO
13	S	13181	S 9433	0 2.00N 3.00W31NENE	DO
13	S	43819	S 32760	0 2.00N 3.00W31NENE	IR
13	S	43819	S 32760	0 2.00N 3.00W31NENE	IR
13	R	43814	R 5037	0 2.00N 3.00W31NENE	IR
14				2.00N 3.00W31SESW	
15				1.00N 4.00W 1NENE	
16	G	11852	G 10996	0 1.00N 4.00W 2NESW	NU
17	G	3943	G 3700	0 1.00N 4.00W 1NESE	IR
18	G	14503	G 13357	0 1.00N 4.00W 3SESE	IR
18	G	14503	G 13357	0 1.00N 4.00W 3SESE	AG
18	S	80130	S 52024	0 1.00N 4.00W 3SESE	AG
18	S	80130	S 52024	0 1.00N 4.00W 3SESE	AG
18	S	80130	S 52024	0 1.00N 4.00W 3SESE	IR
18	S	80130	S 52024	0 1.00N 4.00W 3SESE	IR
18	S	80130	S 52244	0 1.00N 4.00W 3SESE	NU
18	S	80130	S 52244	0 1.00N 4.00W 3SESE	NU
18	S	80130	S 52244	0 1.00N 4.00W 3SESE	IR
18	S	80130	S 52244	0 1.00N 4.00W 3SESE	IR
18	S	29691	S 23378	0 1.00N 4.00W 3SESE	IR
18	S	40659	S 30289	0 1.00N 4.00W 3SESE	IS
19	G	11327	G 10474	0 1.00N 4.00W 2SESW	NU

19	G	11327	G	10474	0	1.00N	4.00W	2SESW	IS
19	S	17722	S	13392	0	1.00N	4.00W	2SESW	IR
19	G	6245	G	5889	0	1.00N	4.00W	2SESW	IR
20	G	5126	G	4779	0	1.00N	4.00W	15NENE	IR
21	G	14113	G	12612	0	1.00N	3.00W	5NENW	AG
21	G	14113	G	12612	0	1.00N	3.00W	5NENW	IR
22	G	3511	G	3305	0	1.00N	3.00W	5SESW	IR
23	G	15871		0	0	1.00N	3.00W	17NENE	NU

CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 15887

\$RECNO	APPLICATION	PERMIT	LOC-QQ	CONDITION-CODE
1	G	13205	G 12164 2.00N 4.00W27SWSE	7BG
1	G	13205	G 12164 2.00N 4.00W27SWSE	7BR
2	G	12208	G 11187 2.00N 3.00W25NWSW	4E
3	G	11986	G 11031 2.00N 3.00W36SESW	4D
3	G	11986	G 11031 2.00N 3.00W36SESW	4E
3	G	11986	G 11031 2.00N 3.00W36SESW	4D
3	G	11986	G 11031 2.00N 3.00W36SESW	4E
4	G	12976	G 11793 2.00N 3.00W36NESW	4EG
4	G	12976	G 11793 2.00N 3.00W36NESW	4EW
4	G	12976	G 11793 2.00N 3.00W36NESW	4EG
4	G	12976	G 11793 2.00N 3.00W36NESW	4EW
4	G	12976	G 11793 2.00N 3.00W36NESW	4EG
4	G	12976	G 11793 2.00N 3.00W36NESW	4EW
5	G	13425	G 11803 1.00N 4.00W23NESE	4LG
5	G	13425	G 11803 1.00N 4.00W23NESE	4LW
5	G	13425	G 11803 1.00N 4.00W23NESE	4LG
5	G	13425	G 11803 1.00N 4.00W23NESE	4LW
6	G	12086	G 11142 1.00N 3.00W 2NESE	4E
6	G	12086	G 11142 1.00N 3.00W 2NESE	4E
6	G	12086	G 11142 1.00N 3.00W 2NESE	4E

APPLICATION G 15887 FALLS WITHIN THESE QUAD(S)

FOREST GROVE

FOREST GROVE

FOREST GROVE

MEMO

June 6, 2003

TO

Application G- 15887

FROM

GW:

Marc A Roth
(Reviewer's Name)

SUBJECT

☐

Yes

The source of appropriation is within or above a Scenic Waterway

☒

No

Yes

Use the Scenic Waterway condition (Condition 7J).

☒

No

7

At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

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 which surface water flow is reduced.

[illegible]

Mailing List for PFO Copies

Application #G-15887

PFO Date December 4, 2007

Original mailed to applicant:

CITY OF BANKS
100 S MAIN ST
BANKS, OR 97106

Copies sent to:

- 1. WRD - File # G-15887
- 2. Water Availability: Ken Stahr

PFO and Map Copies sent to:

- 3. WRD - Watermaster # 18

Copies Mailed
By: <u>YCR</u>
(SUPPORT STAFF)
on: <u>12/4/07</u>
(DATE)

Copies sent to Other Interested Persons (CWRE, Agent, Well Driller, Commenter, etc.)

- 4. Justin Iverson, Golder Associates, 9 Monroe Parkway, Suite 270, Lake Oswego, OR 97035
- 5. Colm Moore, Schroeder Offices, 1915 NE 39th Avenue, Portland, OR 97212

"\$10 LETTER" sent to Interested Persons who have not protested or paid for copies

Affected Landowners (include "Notice of Proposed Final Order--Affected Landowner"):

- 1.

CASEWORKER : Kerry Kavanagh

Kerry Kavanagh

From: Iverson, Justin [Justin_Iverson@golder.com]
Sent: Tuesday, November 20, 2007 1:34 PM
To: KAVANAGH Kerry L
Subject: FW: Land Use Information Form - G15887

Attachments: im3511_20071120_130352.pdf



im3511_20071120_
130352.pdf (22...

Good day, Kerry.

I presented a LUIF to the City of Banks to sign and forward to you for their files, which jogged their memory that they had already submitted one through their council at Schroeder Law. Please find attached a copy of the LUIF that appears to have been submitted last month. If this document is not in the Application File, please let me know if this scan is sufficient for your records or if you need an original.

Thank you,
Justin

Justin Iverson, RG/LHg, CWRE
Project Hydrogeologist
Golder Associates Inc.
9 SW Monroe Parkway, Suite 270
Lake Oswego, OR 97035
Phone: 503.607.1820
Fax: 503.607.1825

-----Original Message-----
From: Recorder [mailto:recorder@cityofbanks.org]
Sent: Tuesday, November 20, 2007 1:22 PM
To: Iverson, Justin
Cc: citymanager@cityofbanks.org
Subject: Information Form

Justin

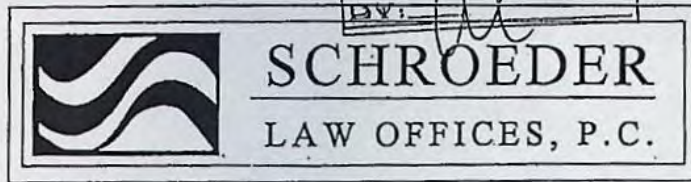
Here is the copy that Colm mailed to us

Jolynn

Laura A. Schroeder
Licensed in Oregon, Idaho,
Nevada and Washington

V. Scott Borison, Ph.D.
Certified Legal Manager

Daryl N. Cole
Office Manager



Lynn L. Steyaert
Licensed in Oregon and Nevada

Courtney D. Duke
Licensed in Oregon

Colm Moore
Licensed in Oregon and Nevada

Therese A. Ure
Licensed in Nevada

Wyatt E. Rolfe
Licensed in Oregon

October 17, 2007

VIA US MAIL

Kerry Kavanagh
Oregon Water Resources Department
725 Summer Street N.E. Suite A
Salem, OR 97301-4172

CLIENT'S COPY

RE: Application G-15887: Land Use Information Form

Dear Kerry Kavanagh:

Enclosed please find OWRD Land Use Information Form. The form has been updated and executed by the City of Banks for Application G-15887. Please contact us at (503) 281-4100 if you need any further information.

Very truly yours,

SCHROEDER LAW OFFICES, P.C.

Colm Moore

CM:kct

Enclosures

cc: Client

phone 503-281-4100

fax 503-281-4600

1915 NE 39th Avenue, P.O. Box 12527, Portland, Oregon 97212-0527
www.water-law.com

(P0113209; 0715 01 KCT)



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: City of Banks
Mailing Address: 100 S. Main St.
City: Banks State: OR Zip: 97106 Day Phone: 503-324-5112

This application is related to a Measure 37 claim. ☐ Yes ☒ No

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), or used. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	1/4	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:	Proposed Land Use:
2N	3W	31	NE 1/4 NW	402		<input checked="" type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	

List all counties and cities where water is proposed to be diverted, conveyed, or used. City of Banks, Washington Co.

B. Description of Proposed Use

Type of application to be filed with the Water Resources Department:

- ☒ Permit to Use or Store Water ☐ Water-Right Transfer ☐ Exchange of Water
☐ Allocation of Conserved Water ☐ Limited Water Use License
☐ Permit Amendment or Ground Water Registration Modification

Source of water: ☐ Reservoir/Pond ☒ Ground Water ☐ Surface Water (name) _____

Estimated quantity of water needed: _____ ☐ cubic feet per second ☐ gallons per minute ☐ acre-feet

Intended use of water: ☐ Irrigation ☐ Commercial ☐ Industrial ☐ Domestic for _____ household(s)
☒ Municipal ☐ Quasi-municipal ☐ Instream ☐ Other _____

Briefly describe: Additional municipal supply. Application G-15887

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt below and include it with the application filed with the Water Resources Department.

Receipt for Request for Land Use Information

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

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 and provide the requested information

☒ Land uses to be served by proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): 3.010, 3.310, 3.510 & 3.610

☐ Land uses to be served by proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.)
If approvals have been obtained but all appeal periods have not ended, check "Being pursued".

Type of Land-Use Approval Needed (e.g. plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
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Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

The subject permit is necessary to meet the City's long term water needs associated with future growth and development

Name: James Hough Title: City Manager
Signature: [Signature] Phone: 503-324-5112 Date: October 15, 2007
Government Entity: City Of Banks

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

Receipt for Request for Land Use Information

Applicant name: _____

City or County: _____ Staff contact: _____

Signature: _____ Phone: _____ Date: _____



Oregon Water Resources Department Land Use Information Form

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Applicant Name: _____ City of Banks
Mailing Address: _____ 100 S. Main St.
City: _____ Banks State: _____ OR Zip: _____ 97106 Day Phone: _____ 503-324-5112

This application is related to a Measure 37 claim. ☐ Yes ☒ No

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), or used. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g. Rural Residential/RR-5)	Water to be:	Proposed Land Use:
2N	3W	31	NE ¼ NW	402		<input checked="" type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	

List all counties and cities where water is proposed to be diverted, conveyed, or used. _____ City of Banks, Washington Co.

B. Description of Proposed Use

Type of application to be filed with the Water Resources Department:

- ☒ Permit to Use or Store Water ☐ Water-Right Transfer ☐ Exchange of Water
☐ Allocation of Conserved Water ☐ Limited Water Use License
☐ Permit Amendment or Ground Water Registration Modification

Source of water: ☐ Reservoir/Pond ☒ Ground Water ☐ Surface Water (name) _____

Estimated quantity of water needed: _____ 1 _____ ☒ cubic feet per second ☐ gallons per minute ☐ acre-feet

Intended use of water: ☐ Irrigation ☐ Commercial ☐ Industrial ☐ Domestic for _____ household(s)
☒ Municipal ☐ Quasi-municipal ☐ Instream ☐ Other _____

Briefly describe: _____ Additional municipal supply. Application G-15887

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt below and include it with the application filed with the Water Resources Department.

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

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		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued

Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

The subject permit is necessary to meet the City's long term water needs associated with future growth and development.

Name: James Hough Title: City Manager
Signature: [Signature] Phone: 503-324-5112 Date: October 15, 2007
Government Entity: City Of Banks

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

Receipt for Request for Land Use Information

Applicant name: _____

City or County: _____ Staff contact: _____

Signature: _____ Phone: _____ Date: _____

Kerry Kavanagh

From: Iverson, Justin [Justin_Iverson@golder.com]
Sent: Monday, November 19, 2007 2:41 PM
To: KAVANAGH Kerry L
Subject: City of Banks G-15887
Attachments: Pages from AppG15887 WR File.pdf

Kerry,

To follow up with my phone message, please find attached a scan of the letter sent to OWRD by the City of Banks requesting that the Department process the application taking only well location #4 into account. I've highlighted the pertinent section.

As indicated in the phone message, I'll ask the City to forward a Land Use Information Form for this property to you as soon as they are able.

Please let me know if you have any questions or need any further information to issue a PFO for this application.

Regards,
Justin

Justin Iverson, RG/LHg, CWRE
Project Hydrogeologist
Golder Associates Inc.
9 SW Monroe Parkway, Suite 270
Lake Oswego, OR 97035
Phone: 503.607.1820
Fax: 503.607.1825

11/19/2007

Laura A. Schroeder
Licensed in Oregon, Idaho,
Nevada and Washington

V. Scott Borison, Ph.D.
Certified Legal Manager

Daryl N. Cole
Office Manager



Lynn L. Steyaert
Licensed in Oregon and Nevada

Cortney D. Duke
Licensed in Oregon

Colm Moore
Licensed in Oregon and Nevada

Therese A. Ure
Licensed in Nevada

Wyatt E. Rolfe
Licensed in Oregon

October 17, 2007

VIA US MAIL

Kerry Kavanagh
Oregon Water Resources Department
725 Summer Street N.E. Suite A
Salem, OR 97301-4172

RE: Application G-15887: Land Use Information Form

Dear Kerry Kavanagh:

Enclosed please find OWRD Land Use Information Form. The form has been updated and executed by the City of Banks for Application G-15887. Please contact us at (503) 281-4100 if you need any further information.

Very truly yours,

SCHROEDER LAW OFFICES, P.C.

Colm Moore

CM:kct

Enclosures

cc: Client

RECEIVED

OCT 18 2007

**WATER RESOURCES DEPT
SALEM, OREGON**

phone 503-281-4100

fax 503-281-4600

1915 NE 39th Avenue, P.O. Box 12527, Portland, Oregon 97212-0527
www.water-law.com



Oregon Water Resources Department Land Use Information Form

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Applicant Name: _____ City of Banks
Mailing Address: _____ 100 S. Main St.
City: _____ Banks State: _____ OR Zip: _____ 97106 Day Phone: _____ 503-324-5112

This application is related to a Measure 37 claim. ☐ Yes ☒ No

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), or used. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

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List all counties and cities where water is proposed to be diverted, conveyed, or used. _____ City of Banks, Washington Co.

B. Description of Proposed Use

Type of application to be filed with the Water Resources Department:

- ☒ Permit to Use or Store Water ☐ Water-Right Transfer ☐ Exchange of Water
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☐ Permit Amendment or Ground Water Registration Modification

Source of water: ☐ Reservoir/Pond ☒ Ground Water ☐ Surface Water (name) _____

Estimated quantity of water needed: _____ 1 ☒ cubic feet per second ☐ gallons per minute ☐ acre-feet

Intended use of water: ☐ Irrigation ☐ Commercial ☐ Industrial ☐ Domestic for _____ household(s)
☒ Municipal ☐ Quasi-municipal ☐ Instream ☐ Other _____

Briefly describe: Additional municipal supply. Application G-15887

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

RECEIVED

OCT 18 2007

WATER RESOURCES DEPT
SALEM, OREGON

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		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
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Name: James Hough Title: City Manager
Signature: [Signature] Phone: 503-324-5112 Date: October 15, 2007
Government Entity: City Of Banks

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Receipt for Request for Land Use Information

Applicant name: _____
City or County: _____ Staff contact: _____
Signature: _____ Phone: _____ Date: _____

RECEIVED

OCT 18 2007

**WATER RESOURCES DEPT
SALEM, OREGON**

October 12, 2004

Oregon Water Resources Department
Attn: Kerry Lefever
Commerce Building
725 Summer Street NE, Suite A
Salem, OR 97301-4172

Reference: File G-15887, City of Banks Water Right Application

Subject: Application Processing

Dear Kerry,

This letter is provided in response to your letter dated September 14, 2004 requesting direction of the above referenced application. We understand it is necessary for the City of Banks (City) to inform OWRD of its' plans for the application.

The Initial Review for the application was completed in mid-2003. At that time OWRD deemed the application not likely to be approved due to declining water levels in the aquifer in the Banks area. The City met with OWRD on September 17, 2003 and discussed options for disposition of the application and other potential sources of municipal water. At that meeting OWRD indicated that it may be possible to issue a permit, but that it would likely be so severely conditioned that it may not be adequate as a reliable future source of water for the City. Also discussed was the possibility of obtaining additional water rights through transfer from other users in the Tualatin Basin.

Since that time the City has had numerous planning discussions intended to develop a strategy to maintain existing water rights and explore potential new sources. As a result, the City has decided to proceed with plans to drill a new well on City-owned property near the existing well. The purpose of this well is to provide additional capacity to appropriate ground water up to the limit of an existing permit, as well as any future ground water that may be permitted.

The City also intends to file Claims of Beneficial Use on existing groundwater and surface water permits, and obtain certificates for those permits.

As regards Ground Water Application G-15887, the City desires to retain the application, continue processing, and receive a permit even though such a permit

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OCT 14 2004

WATER RESOURCES DEPT
SALEM OREGON

OWRD0150

Received January 3, 2007

may contain usage restrictions or curtailment provisions. To that end, the City would like to proceed as follows:

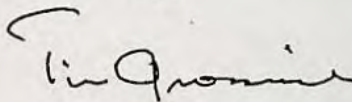
1. The City would like to change the application to indicate only one proposed point of appropriation. The single location is on property owned by the City and is labeled location 4 on the Application map.
2. The City requests some clarification of the evaluation conducted by the Groundwater Section of OWRD on the application. Section B3 of the evaluation lists several nearby permitted wells that have been experiencing water-level declines, including:
 - a. Application G-15871
 - b. Application G-14429
 - c. Two wells in Section 6
 - d. Two wells in Section 1

If possible, the City would like OWRD to provide the Application numbers, drillers' logs, and the water-level data associated with each well cited in the evaluation. This is valuable information that would help the City manage its existing and future wells.

It appears that we have not completed a Land Use Information Form, which is required to accompany the application. This form will be submitted to Washington County Planning and will be forwarded to you when it is completed.

We appreciate your assistance in this matter. Please call myself or our CWRE, Tom Michalek at LDC Design Group, if you have any questions or would like to discuss the application.

Sincerely,



Tim Grossnickle
City of Banks

RECEIVED

OCT 14 2004

WATER RESOURCES DEPT.
SALEM, OREGON

OWRD0151

Received January 5, 2007

Laura A. Schroeder
Licensed in Oregon, Idaho,
Nevada and Washington

V. Scott Borison, Ph.D.
Certified Legal Manager

Daryl N. Cole
Office Manager



Lynn L. Steyaert
Licensed in Oregon and Nevada

Cortney D. Duke
Licensed in Oregon

Colm Moore
Licensed in Oregon and Nevada

Therese A. Ure
Licensed in Nevada

Wyatt E. Rolfe
Licensed in Oregon

August 9, 2007

VIA EMAIL

Oregon Water Resources Department
ATTN: Kerry Kavanagh
725 Summer Street NE, Suite A
Salem, OR 97301

RE: Application No. G-15887

Dear Kerry Kavanagh:

On June 4, 2007, the City of Banks requested an extension of its administrative hold to consider information prepared by the City's water rights consultant regarding Application G-15887. Golder Associates has prepared the attached letter to provide additional information related to groundwater availability. As indicated in the attached, the City requests that the Department continue processing Application G-15887 in light of the information provided.

We will forward by separate cover the City's updated land use information form.

Very truly yours,

SCHROEDER LAW OFFICES, P.C.

Colm Moore

CM:kct

Enclosures

cc: Client

*FYI,
The enclosed
documents were
sent via email
on Aug. 6, 07, Harold
signed copy forward
on to you 8/9/07*

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AUG 10 2007

WATER RESOURCES DEPT
SALEM, OREGON

281-4600

regon 97212-0527

1915 N

Laura A. Schroeder
Licensed in Oregon, Idaho,
Nevada and Washington

V. Scott Borison, Ph.D.
Certified Legal Manager

Daryl N. Cole
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Lynn L. Steyaert
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Colm Moore

CM:kct

Enclosures

cc: Client

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AUG 10 2007

WATER RESOURCES DEPT
SALEM, OREGON

phone 503-281-4100

fax 503-281-4600

1915 NE 39th Avenue, P.O. Box 12527, Portland, Oregon 97212-0527
www.water-law.com

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RECEIVED

OCT 14 2004

WATER RESOURCES DEPT

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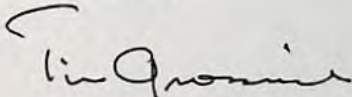
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Sincerely,



Tim Grossnickle
City of Banks

RECEIVED

OCT 14 2004

WATER RESOURCES DEPT
SALEM, OREGON

Kerry Kavanagh

From: Colm Moore [c.moore@water-law.com]
Sent: Monday, August 06, 2007 5:29 PM
To: KAVANAGH Kerry L
Cc: Iverson, Justin; recorder@cityofbanks.org; Katherine Thomas
Subject: City of Banks: Application G-15887

Attachments: P0106626.PDF; P0106626.PDF



P0106626.PDF (54 KB)



P0106626.PDF (54 KB)

<<P0106626.PDF>> Kerry,

Please find the attached information related to the City of Banks' Application G-15887. We will forward signed hard copies of the attached documents via US Mail in the next couple of days. In addition, we will file an updated land use information form when we receive it from the City. Please let me know if you have any questions.

Regards,
Colm Moore

Schroeder Law Offices, PC
1915 NE 39th Ave.
Portland, OR 97212
(o) 503.281.4100
(f) 503.281.4600
c.moore@water-law.com

Daryl N. Cole
Office Manager



SCHROEDER
LAW OFFICES, P.C.

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Licensed in Nevada

Wyatt E. Rolfe
Licensed in Oregon

August 6, 2007

VIA EMAIL

Oregon Water Resources Department
ATTN: Kerry Kavanagh
725 Summer Street NE, Suite A
Salem, OR 97301

RE: Application No. G-15887

Dear Kerry Kavanagh:

On June 4, 2007, the City of Banks requested an extension of its administrative hold to consider information prepared by the City's water rights consultant regarding Application G-15887. Golder Associates has prepared the attached letter to provide additional information related to groundwater availability. As indicated in the attached, the City requests that the Department continue processing Application G-15887 in light of the information provided.

We will forward by separate cover the City's updated land use information form.

Very truly yours,

SCHROEDER LAW OFFICES, P.C.

CEL

Colm Moore

CM:kct

Enclosures

cc: Client

phone 503-281-4100

fax 503-281-4600

1915 NE 39th Avenue, P.O. Box 12527, Portland, Oregon 97212-0527
www.water-law.com

(190106100-0115-01 KCT)



Oregon

Theodore R. Kulongoski, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

June 7, 2007

MICHAEL LYDA, MAYOR
CITY OF BANKS
100 S MAIN STREET
BANKS, OR 97106

Reference: File G-15887

Dear Mr. Lyda,

On June 6, 2007, the Water Resources Department received a letter from your attorney, Mr. Colm Moore, with Schroeder Law Offices, requesting an additional 60-day administrative hold on processing the above referenced application in order to allow you time to present the preliminary analysis completed by Golder Associates to the City Council on June 12, 2007.

Based upon the review of the information you have provided, the Department has determined that a longer administrative hold on the processing of the above referenced application is reasonable and necessary. The Department has approved your request for an additional administrative hold on this application. The Department will not take any action on this application until August 6, 2007. Please let us know if you are ready to proceed sooner.

If you need to request additional time, you will need to show justification for why additional time is reasonable and necessary, and a specific time line, which identifies when you anticipate being ready to continue with the application process.

If you have any questions, please call Kerry Kavanagh at 503-986-0816.

Sincerely,

E. Timothy Wallin
Water Rights Program Manager

cc: Watermaster District # 18
File
Mr. Colm Moore, Schroeder Law Offices, P.C., P.O. Box 12327, Portland, OR 97212-0527

Laura A. Schroeder
Licensed in Oregon, Idaho,
Nevada and Washington

V. Scott Borison, Ph.D.
Certified Legal Manager

Daryl N. Cole
Office Manager



Lynn L. Steyaert
Licensed in Oregon and Nevada

Cortney D. Duke
Licensed in Oregon

Colm Moore
Licensed in Oregon and Nevada

Therese A. Ure
Licensed in Nevada

Wyatt E. Rolfe
Licensed in Oregon

June 4, 2007

VIA US MAIL

E. Timothy Wallin
Water Rights Program Manager
Water Resources Dept.
North Mall Office Building
725 Summer St. NE, Suite A
Salem, OR 97301-1271

RECEIVED
JUN 06 2007
WATER RESOURCES DEPT
SALEM, OREGON

RE: Administrative Hold re Application G-15887

Dear Mr. Wallin:

Correspondence from Oregon Water Resources, dated December 12, 2006, granted the City of Banks an administrative hold on the processing of the application referenced above. The purpose of this letter is to request that the Department grant an additional two month administrative hold on Application G-15887.

At the time of the original request, the City was in the process of completing a review of the status of its water rights. Thus, the hold was necessary to allow additional time for the City to hire a qualified consultant and review the available data with that consultant to determine the City's options for moving forward.

Due to budgetary constraints, it took longer than expected for the City to procure the services of a consultant. However, the City has employed Golder Associates to review the file for Application G-15887. At this time, Golder Associates has provided the City with a preliminary analysis of the file. However, because the City Council only meets on a monthly basis, the Council has not had an opportunity to consider this information. We anticipate that the City Council will review the preliminary analysis provided by Golder Associates at its next regularly scheduled City Council meeting on Tuesday, June 12, 2007. At that point, the City may require additional information from Golder Associates for consideration at the July City Council meeting. Accordingly, the City requests an additional two month administrative hold on Application G-15887. This additional time is reasonable and necessary to provide the City with the opportunity to review this information and make a final determination as to whether or not to move forward with or withdraw Application G-15887.

phone 503-281-4100

fax 503-281-4600

1915 NE 39th Avenue, P.O. Box 12527, Portland, Oregon 97212-0527

www.water-law.com

E. Timothy Wallin
June 4, 2007
Page 2 of 2

Barring unforeseen circumstances, the City of Banks will be ready on or before August 6, 2007 to proceed with the application process.

Very truly yours,

SCHROEDER LAW OFFICES, P.C.



Colm Moore

CM:tjj
cc: Client

RECEIVED
JUN 06 2007
WATER RESOURCES DEPT
SALEM, OREGON

Kerry Kavanagh

From: Colm Moore [c.moore@water-law.com]
Sent: Wednesday, June 06, 2007 3:35 PM
To: KAVANAGH Kerry L
Subject: G-15887: Extension of Administrative Hold

Attachments: P0101285.PDF



P0101285.PDF (81 KB)

<<P0101285.PDF>> Kerry,

Attached is the request we discussed on the phone, which was deposited in the mail on Monday, June 4, 2006. Please let me know if you have any questions.

Regards,
Colm Moore

Schroeder Law Offices, P.C.
PO Box 12527
Portland, OR 97212
503.281.4100 (o)
503.281.4600 (f)

Laura A. Schroeder
Licensed in Oregon, Idaho,
Nevada and Washington

V. Scott Borison, Ph.D.
Certified Legal Manager

Daryl N. Cole
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Cortney D. Duke
Licensed in Oregon

Colm Moore
Licensed in Oregon and Nevada

Therese A. Ure
Licensed in Nevada

Wyatt E. Rolfe
Licensed in Oregon

June 4, 2007

VIA US MAIL

E. Timothy Wallin
Water Rights Program Manager
Water Resources Dept.
North Mall Office Building
725 Summer St. NE, Suite A
Salem, OR 97301-1271

RE: Administrative Hold re Application G-15887

Dear Mr. Wallin:

Correspondence from Oregon Water Resources, dated December 12, 2006, granted the City of Banks an administrative hold on the processing of the application referenced above. The purpose of this letter is to request that the Department grant an additional two month administrative hold on Application G-15887.

At the time of the original request, the City was in the process of completing a review of the status of its water rights. Thus, the hold was necessary to allow additional time for the City to hire a qualified consultant and review the available data with that consultant to determine the City's options for moving forward.

Due to budgetary constraints, it took longer than expected for the City to procure the services of a consultant. However, the City has employed Golder Associates to review the file for Application G-15887. At this time, Golder Associates has provided the City with a preliminary analysis of the file. However, because the City Council only meets on a monthly basis, the Council has not had an opportunity to consider this information. We anticipate that the City Council will review the preliminary analysis provided by Golder Associates at its next regularly scheduled City Council meeting on Tuesday, June 12, 2007. At that point, the City may require additional information from Golder Associates for consideration at the July City Council meeting. Accordingly, the City requests an additional two month administrative hold on Application G-15887. This additional time is reasonable and necessary to provide the City with the opportunity to review this information and make a final determination as to whether or not to move forward with or withdraw Application G-15887.

phone 503-281-4100

fax 503-281-4600

1915 NE 39th Avenue, P.O. Box 12527, Portland, Oregon 97212-0527
www.water-law.com



Oregon

Theodore R. Kulongoski, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

December 12, 2006

MICHAEL LYDA, MAYOR
CITY OF BANKS
100 S MAIN STREET
BANKS, OR 97106

Reference: File G-15887

Dear Mr. Lyda,

On December 8, 2006, the Water Resources Department received a letter via facsimile from your attorney, Mr. Colm Moore, with Schroeder Law Offices, requesting an additional 180-day administrative hold on processing the above referenced application in order to allow you time to complete a comprehensive review of the City's water rights and future water needs. We also understand that you are looking for a qualified consultant to assist you because your previous consultant has moved out of the area.

Based upon the review of the information you have provided, the Department has determined that a longer administrative hold on the processing of the above referenced applications is reasonable and necessary. The Department has approved your request for an additional administrative hold on these applications. The Department will not take any action on this application until June 6, 2007. Please let us know if you are ready to proceed sooner.

If you need to request additional time, you will need to show justification for why additional time is reasonable and necessary, and a specific time line, which identifies when you anticipate being ready to continue with the application process.

If you have any questions, please call Kerry Kavanagh at 503-986-0816.

Sincerely,

E. Timothy Wallin
Water Rights Program Manager

cc: Watermaster District # 18
File
Mr. Colm Moore, Schroeder Law Offices, P.C., P.O. Box 12527, Portland, OR 97212-0527

Laura A. Schroeder
Licensed in Oregon, Idaho,
Nevada and Washington

V. Scott Borison, Ph.D.
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Lynn L. Steyaert
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Cortney D. Duke
Licensed in Oregon

Colm Moore
Licensed in Oregon and Nevada

Therese A. Ure
Licensed in Nevada

Wyatt E. Rolfe
Licensed in Oregon

December 13, 2006

VIA FACSIMILE AND U.S. MAIL

Oregon Water Resources Department
725 Summer Street N.E. Suite A
Salem, OR 97301-4172
Fax: (503) 986-0901

ATTN: Kim Grigsby

RE: Public Records Request

Dear Ms. Grigsby:

Our office makes the following request for public records under the INSPECTION OF PUBLIC RECORDS LAW, ORS 192.410 – 192.530. The requestor is willing to pay up to \$100 in fees for the requested materials; however, please advise if the cost may exceed that amount. ORS 192.440(3). Otherwise, if there are any fees that occur during duplication of these materials, please enclose an invoice and our bookkeeper will pay upon receipt.

Please make the file for Application G-15887 available for review and copying by our office. When the file is available please contact me at 503-281-4100 and I will arrange travel for review and copying.

Additionally, please contact me if you have any questions regarding the above request. Thank you for your attention to this matter.

Very truly yours,

SCHROEDER LAW OFFICES, P.C.

Tara J. Jackson, paralegal for
Laura A. Schroeder

TJJ:kct

cc: Client

RECEIVED

DEC 14 2006

**WATER RESOURCES DEPT
SALEM, OREGON**

phone 503-281-4100

fax 503-281-4600

1915 NE 39th Avenue, P.O. Box 12527, Portland, Oregon 97212-0527
www.water-law.com

1915 NE 39th AVE.
P.O. BOX 12527
PORTLAND, OR 97212-0527



SCHROEDER
LAW OFFICES, P.C

TELEPHONE (503) 281-4100
FAX (503) 281-4600
WWW.WATER-LAW.COM

To: OWRD, Attn: Kim Grigsby FAX: +1 (503) 986-0901

From: Katherine Thomas Date/Time: 12/13/2006 11:45:22 AM

Telephone: (503) 281-4100 Return Fax: (503) 281-4600

Subject: RE: Public Records Request

Pages: 2

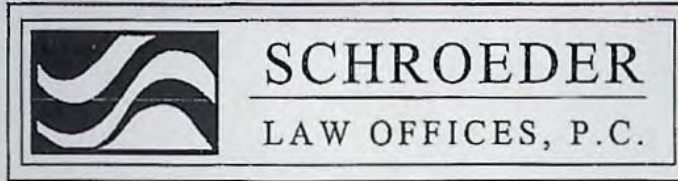
If you have problems receiving this FAX, please call (503) 281-4100

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Laura A. Schroeder
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Nevada and Washington

V. Scott Borison, Ph.D.
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Therese A. Ure
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Wyatt E. Rolfe
Licensed in Oregon

December 13, 2006

VIA FACSIMILE AND U.S. MAIL

Oregon Water Resources Department
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Additionally, please contact me if you have any questions regarding the above request. Thank you for your attention to this matter.

Very truly yours,

SCHROEDER LAW OFFICES, P.C.

Tara J. Jackson, paralegal for
Laura A. Schroeder

TJJ:kct

cc: Client

phone 503-281-4100

fax 503-281-4600

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Colm Moore
Licensed in Oregon and Nevada

Therese A. Ure
Licensed in Nevada

Wyatt E. Rolfe
Licensed in Oregon

December 8, 2006

VIA US MAIL & FACSIMILE

ATTN: Kerry Kavanagh
Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301
Fax: 503-986-0901

RE: Application No. G-15887

Dear Kerry Kavanagh:

We represent the City of Banks on issues related to water rights. The purpose of this letter is to request that the Oregon Water Resources Department place Application No. G-15887 on administrative hold for a period of 180 days, pursuant to OAR 690-310-0270. Application No. G-15887 was filed on the behalf of the City of Banks in 2002 for the appropriation of 1.0 cfs from an underground well. The Department's initial review indicated that ground water in the amount requested would likely not be available.

The City has recently embarked on a comprehensive review of their water right status and water right needs, and would like additional time to review available data and options with our firm and a qualified consultant. The City's previous consultant moved out of the area and the City's administration has changed since Application No. G-15887 was filed. Accordingly, 180 days is necessary for the City to locate a qualified consultant and conduct its review.

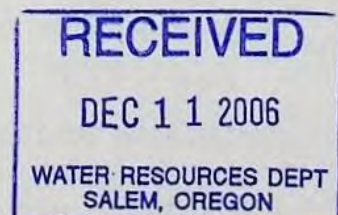
Very truly yours,

SCHROEDER LAW OFFICES, P.C.

Colm Moore

CM:tjj

cc: client



phone 503-281-4100

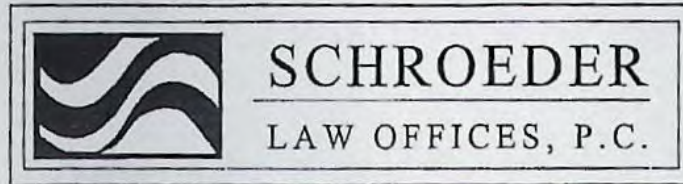
fax 503-281-4600

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Licensed in Oregon and Nevada

Therese A. Ure
Licensed in Nevada

Wyatt E. Rolfe
Licensed in Oregon

December 8, 2006

VIA US MAIL & FACSIMILE

ATTN: Kerry Kavanagh
Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301
Fax: 503-986-0901

RE: Application No. G-15887

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Very truly yours,

SCHROEDER LAW OFFICES, P.C.

Colm Moore

CM:tjj

cc: client

phone 503-281-4100

fax 503-281-4600

1915 NE 39th Avenue, P.O. Box 12527, Portland, Oregon 97212-0527
www.water-law.com

1915 NE 39th AVE.
P.O. BOX 12527
PORTLAND, OR 97212-0527



SCHROEDER
LAW OFFICES, P.C.

TELEPHONE (503) 281-4100
FAX (503) 281-4600
WWW.WATER-LAW.COM

To: OWRD, Attn: Kerry Kavanagh FAX: +1 (503) 986-0901

From: Katherine Thomas Date/Time: 12/8/2006 4:07:03 PM

Telephone: (503) 281-4100 Return Fax: (503) 281-4600

Subject: RE: Application No. G-15887

Pages: 2

If you have problems receiving this FAX, please call (503) 281-4100

CONFIDENTIALITY NOTE: The documents accompanying this facsimile transmission contain information belonging to Schroeder Law Offices, PC, that is confidential and/or legally privileged. The information is intended for the use of the individual or entity named above. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or taking of any action in reliance on the contents of this telecopied information is strictly prohibited. If you have received this facsimile in error, please notify us by telephone to arrange for the return of the original documents to us.

DATE

Kerry Kavanagh
Oregon Water Resources Department
725 Summer St. NE
Suite A
Salem, OR 97301-1271

Re: File G-15887

Dear Ms. Kavanagh,

This letter is provided in response to your letter dated October 31, 2005 concerning compliance with HB3038.

The City of Banks intends to commence and complete the construction described in the referenced application within 20 years from the date of permit issuance.

I trust this statement satisfies the requirements of HB3038. Please call myself or our CWRE, Tom Michalek, if you have any questions or require additional information.

Sincerely,

X-Security: MIME headers sanitized on kettle.wrd.state.or.us
 See <http://www.impsec.org/email-tools/sanitizer-intro.html>
 for details. \$Revision: 1.139 \$Date: 2003-09-07 10:14:23-07
 Subject: RE: G-15887, City of Banks
 Date: Thu, 15 Dec 2005 10:02:34 -0800
 X-MS-Has-Attach: yes
 X-MS-TNEF-Correlator:
 Thread-Topic: G-15887, City of Banks
 Thread-Index: AcYBoI4TfOtD72J9RL6RrLQn+XiSIAAAARtGw
 From: "Tom Michalek" <MichalekT@ldcdesign.com>
 To: "Kerry KAVANAGH" <Kerry.L.KAVANAGH@wrd.state.or.us>
 X-Spam-Checker-Version: SpamAssassin 2.63 (2004-01-11) on
 kettle.wrd.state.or.us
 X-Spam-Status: No, hits=0.3 required=5.0 tests=EXCUSE_16,HTML_FONTCOLOR_BLUE,
 HTML_MESSAGE autolearn=no version=2.63
 X-Spam-Level:

Sorry,
 Let's try that again.

-----Original Message-----

From: Kerry KAVANAGH [mailto:Kerry.L.KAVANAGH@wrd.state.or.us]
Sent: Thursday, December 15, 2005 9:55 AM
To: Tom Michalek
Subject: Re: G-15887, City of Banks

Tom,

I didn't receive the attached letter.

Kerry

At 09:44 AM 12/15/05, you wrote:

Hi Kerry,

I have had a chance to review the information you sent me following our conversation several weeks ago. The information was provided in response to the City of Banks' request in a letter dated October 12, 2004. I believe the new information satisfies the City's request for clarification (item 2 from the 10/12/2004 letter) and Marc's memo that is included answers several questions I had about his initial evaluation. Thanks to you and Marc for providing us with lots of useful data.

After talking to the City yesterday I believe they will agree to meet with me in early January 2006 to decide how to proceed with this application. Our previous discussions with the Department indicated that it may be possible to issue a permit with restrictions and if the City elects to pursue this option I will suggest we ask OWRD again about this.

Attached is a copy of a letter I put together for the City to comply with HB3038. I forwarded it to them yesterday but, if you would, please take a look at it and let me know if it will suffice.

Thanks for your help. Please let me know if you have any questions.

Tom Michalek, RG, CWRE
 Hydrogeologist
 Manager, Water Resources Group
 E michalekt@ldcdesign.com

LDC Design Group

a Parati company

20085 NW Tanasbourne Drive

Hillsboro, Oregon 97124

T 503.858.4242

F 503.645.5500

www.ldcdesign.com

OR: Hillsboro, Tillamook | **WA:** Vancouver, Bellevue | **ID:** Coeur d' Alene | **CA:** Sacramento | **FL:** Clermont

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HB3038 letter.doc



December 21, 2005

Kerry Kavanagh
Oregon Water Resources Department
725 Summer St. NE, Suite A
Salem, OR 97301-1271

Re: File G-15887

Dear Ms. Kavanagh,

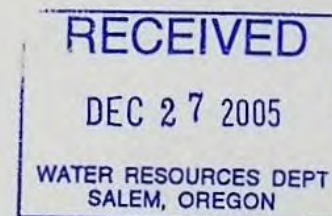
This letter is provided in response to your letter dated October 31, 2005 concerning compliance with HB3038.

The City of Banks intends to commence and complete the construction described in the referenced application within 20 years from the date of permit issuance.

I trust this statement satisfies the requirements of HB3038. Please call myself or our CWRE, Tom Michalek, if you have any questions or require additional information.

Sincerely,

Michael Lyda
Mayor



OREGON WATER RESOURCES DEPARTMENT



State of Oregon
Water Resources Department
725 Summer St NE, Ste A
Salem, OR 97301-1266
Phone #: (503) 986-0900
Fax#: (503) 986-0901
www.wrd.state.or.us

FAXED
12-6-05
KJK

FAX TRANSMITTAL

TO: CITY OF BANKS ^{ATTN:} JOLYNN FAX NUMBER: 503-324-6674
DATE: 12-6-05 PAGES: 6, INCLUDING COVER SHEET
FROM: KERRY KAVANAGH PHONE: (503) 986-0 816

COMMENTS: APPLICATION G-15887 CITY OF BANKS
• Copy of letter Isent 10-31-05 regarding HB 3038.
• Copy of memo to file from Marc Norton WRD regarding
Tim Grossnickle's letter of 10-12-04.

- WATER RIGHTS**
- Water Rights information
 - Adjudications
 - Hydroelectric
 - Certifications / Final Proofs
 - Hearings / Contested Cases

FAX: (503) 986-0901

- TECHNICAL SERVICES**
- Hydrographics
 - Ground Water
 - Information Services
 - GIS/Mapping
 - Dam Safety
 - Enforcement
 - Water Use Reporting

FAX: (503) 986-0902

- FIELD SERVICES**
- Regional Liaisons
 - Transfers
 - Hydrographics

- NORTHWEST REGION**
- District 16 Watermaster

- DIRECTOR'S OFFICE**
- Water Resources Commission
 - Legislation and Rules
 - Public Information

- ADMINISTRATIVE SERVICES**
- Fiscal / Accounting
 - Human Resources / Personnel
 - Water Development Loan Fund
 - Support Services

FAX: (503) 986-0903 or
503-986-0904

I am sending supporting documentation
and oversized maps prepared by
Marc Norton & Tom Michalek
at LDC Design Group.

Kerry



Oregon

Theodore R. Kulongoski, Governor

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

October 31, 2005

CITY OF BANKS
ATTN: ROBERT ORLOWSKI
100 S MAIN ST
BANKS OR 97106

Reference: Application G-15887

Dear Mr. Orlowski:

The Department is currently in the process of reviewing your application for a permit to use water for municipal use. House Bill 3038 (HB3038), which became effective on June 29, 2005, amended ORS 537.230 and ORS 537.630 to provide the applicant of a permit for a municipal water use a maximum of 20 years to commence and complete construction of proposed works. In order to comply with HB3038, please submit the following:

- a statement providing the number of years (not to exceed 20 years) you need to commence and complete construction from the date of permit issuance.

Please submit this information no later than December 30, 2005.

If you request more than 20 years to complete construction, the Department will likely recommend denial of your application.

Should you have any questions regarding your application, please call me at (503) 986-0816.

Sincerely,

Kerry Kavanagh
Water Right Application Caseworker

cc: File
Watermaster District #18

WATER RESOURCES DEPARTMENT

MEMO

November 7, 2005

TO: Kerry Lefever, Water Rights Section

FROM: Marc Norton, Ground Water Section *MAN*

SUBJECT: Ground Water Application G-15887

I reviewed Ground Water Application G-15887 for the City of Banks on June 6, 2003. In the review, I noted that the aquifer was over appropriated and ground water would not be available without injuring exist water rights or within the capacity of the resource.

The City of Banks has as for information used to make the above conclusion. The City asked for Ground Water Application numbers for nearby wells, copies of the Water Well Reports and associated water level data. One copy is for the City of Banks, the second copy is for the application file.

I have compiled the data requested plus water level data from additional wells in the area. When I filled out the review form, I misread my notes concern locations for wells with water level data. The two wells listed for 1N/3W-sec. 6 should have been listed as in 1N/3W only. There really is one well that has two water rights and is in section 14 (WASH 6051). The two wells that were mentioned for section 31; one well is in section 31 (WASH 50693) and the second is in section 36 (WASH 4436). Attached are two copies of a map showing ground water rights within a five-mile radius from Banks. The data includes a hydrograph, Water Well Report and printout of the water level data for the wells listed below.

Memo
November 7, 2005
Page 2

Table of wells with water level data near Banks, Oregon.

LOG #	LOCATION	APPLICATION NUMBER	PERMIT NUMBER	CONDITION LIMITS	REMARKS
WASH 50693	2S/3W-31aa	G-14429	G_13543	3/0/15/15'	Condition triggered
WASH 7417	2N/3W-19DDC	Observation Well			Since 96-10.68' decline
WASH 7423	2N/3W-19DCD	Observation Well			Since 94-5.17' decline
WASH 7581	2N/3W-28CCC	G-9241	G-8564	No Condition	Since 91-14.91' decline
WASH 3127	1N/3W-5DCD	Observation Well			Since 93-18.24' decline
WASH 6542	1N/4W-2CBA	Observation Well		Since 97-34.3' decline-	rising water levels
WASH 6556	1N/4W-3DDD	G-14503	G-13357	3/0/15/15'	Since 98-17.68' decline
WASH 59307	1N/3W-17AA	G-15871	G-15458	3/0/15/15'	Since 03-14.7' decline
WASH 6051	1N/3W-14AC	G-13601	G-12734	3/0/15/15'	Since 97-13.0' decline

Reference levels have not been set for Ground Water Permits G-13357, G-15458 and G-12734.
Data indicates that water levels are declining at all three wells.

October 12, 2004

Oregon Water Resources Department
Attn: Kerry Lefever
Commerce Building
725 Summer Street NE, Suite A
Salem, OR 97301-4172

Reference: File G-15887, City of Banks Water Right Application

Subject: Application Processing

Dear Kerry,

This letter is provided in response to your letter dated September 14, 2004 requesting direction of the above referenced application. We understand it is necessary for the City of Banks (City) to inform OWRD of its' plans for the application.

The Initial Review for the application was completed in mid-2003. At that time OWRD deemed the application not likely to be approved due to declining water levels in the aquifer in the Banks area. The City met with OWRD on September 17, 2003 and discussed options for disposition of the application and other potential sources of municipal water. At that meeting OWRD indicated that it may be possible to issue a permit, but that it would likely be so severely conditioned that it may not be adequate as a reliable future source of water for the City. Also discussed was the possibility of obtaining additional water rights through transfer from other users in the Tualatin Basin.

Since that time the City has had numerous planning discussions intended to develop a strategy to maintain existing water rights and explore potential new sources. As a result, the City has decided to proceed with plans to drill a new well on City-owned property near the existing well. The purpose of this well is to provide additional capacity to appropriate ground water up to the limit of an existing permit, as well as any future ground water that may be permitted.

The City also intends to file Claims of Beneficial Use on existing groundwater and surface water permits, and obtain certificates for those permits.

As regards Ground Water Application G-15887, the City desires to retain the application, continue processing, and receive a permit even though such a permit

RECEIVED

OCT 14 2004

WATER RESOURCES DEPT
SALEM, OREGON

may contain usage restrictions or curtailment provisions. To that end, the City would like to proceed as follows:

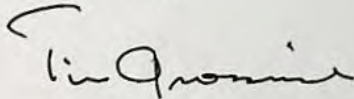
1. The City would like to change the application to indicate only one proposed point of appropriation. The single location is on property owned by the City and is labeled location 4 on the Application map .
2. The City requests some clarification of the evaluation conducted by the Groundwater Section of OWRD on the application. Section B3 of the evaluation lists several nearby permitted wells that have been experiencing water-level declines, including:
 - a. Application G-15871
 - b. Application G-14429
 - c. Two wells in Section 6
 - d. Two wells in Section 1

If possible, the City would like OWRD to provide the Application numbers, drillers' logs, and the water-level data associated with each well cited in the evaluation. This is valuable information that would help the City manage its existing and future wells.

It appears that we have not completed a Land Use Information Form, which is required to accompany the application. This form will be submitted to Washington County Planning and will be forwarded to you when it is completed.

We appreciate your assistance in this matter. Please call myself or our CWRE, Tom Michalek at LDC Design Group, if you have any questions or would like to discuss the application.

Sincerely,



Tim Grossnickle
City of Banks

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OCT 14 2004

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SALEM, OREGON



Oregon

Theodore R. Kulongoski, Governor

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

October 31, 2005

CITY OF BANKS
ATTN: ROBERT ORLOWSKI
100 S MAIN ST
BANKS OR 97106

Reference: Application **G-15887**

Dear Mr. Orlowski:

The Department is currently in the process of reviewing your application for a permit to use water for municipal use. House Bill 3038 (HB3038), which became effective on June 29, 2005, amended ORS 537.230 and ORS 537.630 to provide the applicant of a permit for a municipal water use a maximum of 20 years to commence and complete construction of proposed works. In order to comply with HB3038, please submit the following:

- a statement providing the number of years (not to exceed 20 years) you need to commence and complete construction from the date of permit issuance.

Please submit this information no later than December 30, 2005.

If you request more than 20 years to complete construction, the Department will likely recommend denial of your application.

Should you have any questions regarding your application, please call me at (503) 986-0816.

Sincerely,

Kerry Kavanagh
Water Right Application Caseworker

cc: File
Watermaster District #18

To: "Tom Michalek" <MichalekT@ldcdesign.com>
From: Kerry Lefever <Kerry.A.LEFEVER@wrд.state.or.us>
Subject: Re: City of Banks, G-15887
Cc:
Bcc:
Attached:

Hi Tom,

The Department received a letter from the City of Banks yesterday. I have routed the file to Doug Woodcock, manager of the ground water section to address the proposed change from five wells to one well and to address questions regarding nearby wells used in Marc Norton's June 6, 2003 Division 9 ground water review.

Kerry

At 01:54 PM 10/15/04 -0700, you wrote:

Hi Kerry,

Re: our discussion earlier this week. I have a letter regarding this appl. at the City right now, awaiting their approval. They have been out of the office most of this but they should be back on Monday. If the letter is not on it's way to you on Monday I'll call you and let you know what's going on. Thanks.

Tom Michalek, RG, CWRE
Hydrogeologist

Manager, Water Resources Group

<?xml:namespace prefix = o ns = "urn:schemas-microsoft-com:office:office" />

LDC Design Group
20085 NW Tanasbourne Drive

Hillsboro, Oregon 97124

P: direct (503) 352-1184

P: office (503) 858-4242

F: (503) 645-5500

E: michalekt@ldcdesign.com

*Hillsboro, OR / Vancouver, WA / Bellevue, WA
Coeur d' Alene, ID / Tillamook, OR*

Rocklin, CA / Clermont, FL

October 12, 2004

Oregon Water Resources Department
Attn: Kerry Lefever
Commerce Building
725 Summer Street NE, Suite A
Salem, OR 97301-4172

Reference: File G-15887, City of Banks Water Right Application

Subject: Application Processing

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WATER RESOURCES DEPT
SALEM, OREGON

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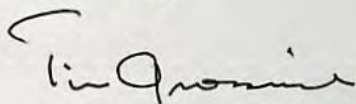
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We appreciate your assistance in this matter. Please call myself or our CWRE, Tom Michalek at LDC Design Group, if you have any questions or would like to discuss the application.

Sincerely,



Tim Grossnickle
City of Banks

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OCT 14 2004

WATER RESOURCES DEPT
SALEM, OREGON

October 12, 2004

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Attn: Kerry Lefever
Commerce Building
725 Summer Street NE, Suite A
Salem, OR 97301-4172

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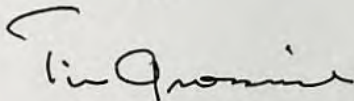
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Sincerely,



Tim Grossnickle
City of Banks

RECEIVED

OCT 14 2004

WATER RESOURCES DEPT
SALEM, OREGON

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

G-15887

ROBERT ORLOWSKI
CITY OF BANKS
100 S MAIN ST
BANKS OR 97106

2. Article Number

(Transfer from service label)

7004 1160 0007 2344 0117

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Deborah Deegan☐ Agent☒ Addressee

B. Received by (Printed Name)

Deborah Deegan

C. Date of Delivery

*9-15-04*D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

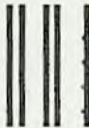
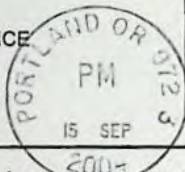
3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

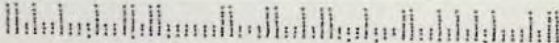
WATER RESOURCES DEPARTMENT
725 SUMMER STREET NE SUITE A
SALEM OR 97301-1271

WATER RESOURCES DEPT
SALEM OREGON

SEP 16 2004

RECEIVED

97301-1271





Oregon

Theodore R. Kulongoski, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

CERTIFIED MAIL
Return Receipt Requested

September 14, 2004

ROBERT ORLOWSKI FOR CITY OF BANKS
100 S MAIN ST
BANKS, OR 97106

Reference: File G-15887

Dear Mr. Orlowski:

On August 18, 2003, you requested and were granted an administrative hold on the above referenced application until February 16, 2004 pending receipt of conditional land use approval and information on ownership of lands where water is proposed to be diverted, transported, or used. As of this date, the Department has not received any correspondence from you regarding the status of the land use approval or land ownership.

Please notify the Department as to how you wish to proceed no later than **October 15, 2004**. If you need to request additional time your request will need to show justification for why the additional time is reasonable and necessary, that substantial progress is being made towards being ready to proceed with application processing, and a general time line, which identifies when you anticipate being ready to continue with the application process. If we do not hear from you by October 15, 2004, we will move forward with processing the application and proposed final order.

Should you have any questions regarding your application or the required materials listed above, or if you need to request an extension of time, please call me at (503) 986-0816.

Sincerely,

Kerry Lefever
Water Rights Caseworker

cc: Watermaster #18
File

August 18, 2003

ROBERT ORLOWSKI FOR CITY OF BANKS
100 S MAIN ST
BANKS, OR 97106

Reference: File G-15887

Dear Mr. Orlowski,

On August 18, 2003, the Department received your request for an administrative hold for a period of 180 days on processing of the above referenced application.

The Department will not take any action on this application until **February 16, 2004**. Please let us know if you are ready to proceed sooner.

If you have any questions, please give me a call at (503) 378-8455, extension 276.

Sincerely,

Kerry Lefever
Senior Water Rights Technician

cc: File
Watermaster District 18



City of Banks

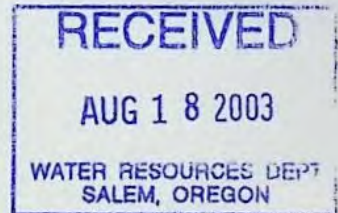
Oregon

A Darn Good Little Town!

Robert Orlowski
Mayor

August 12, 2003

Oregon Water Resources Department
Attn: Kerry Lefever
Commerce Building
158 12th Street NE
Salem, OR 97301-4172



Reference: File G-15887, City of Banks Water Right Application

Subject: "Time Out from Processing" Request

Dear Kerry Lefever,

The City of Banks would like to request a "Time Out from Processing" on its Water Right Application, G-15887. The City would like to request the full 180 day time out. The City will also use this time to gather the information requested in the letter relating to the land owners and the conditional use permit.

The City is currently assessing its options for water supply and reviewing the Department analysis that resulted in the **"will not likely be available"** determination. The City has limited options for supply. Groundwater had been identified as a probable source of additional water in water system master plans, and supply studies for more than 20 years. The apparent limitations on ground water in the basin were unexpected, and the City would like more time to research this problem, and gather any data that may assist our application or identify options.

We appreciate your assistance in this manner.

Sincerely,

Robert Orlowski, Mayor
City of Banks

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

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G-15887

ROBERT ORLOWSKI
CITY OF BANKS
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BANKS 97106

2. Article Number*(Transfer from service label)*

7003 0500 0005 0270 1703

COMPLETE THIS SECTION ON DELIVERY**A. Signature**

X *Deborah Deegan* ☐ Agent
☐ Addressee

B. Received by (Printed Name)*Deb Deegan***C. Date of Delivery***7/21*

- D. Is delivery address different from item 1?** ☐ Yes
if YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)☐ Yes

UNITED STATES POSTAL SERVICE



First-Class Mail
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Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

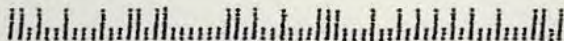
RECEIVED

JUL 22 2003

WATER RESOURCES DEPT.
SALEM, OREGON

WATER RESOURCES DEPARTMENT
158 12TH STREET NE
SALEM OR 97301-4172

97301+4172





Oregon

Theodore R. Kulongoski, Governor

Water Resources Department

Commerce Building
158 12th Street NE
Salem, OR 97301-4172
503-378-3739
FAX 503-378-8130

CERTIFIED MAIL Return Receipt Requested

July 18, 2003

ROBERT ORLOWSKI FOR CITY OF BANKS
100 S MAIN ST
BANKS, OR 97106

Reference: File G-15887

Dear Applicant:

THIS IS NOT A PERMIT AND IS SUBJECT TO CHANGE AT THE NEXT PHASE OF PROCESSING.

This letter is to inform you of the preliminary analysis of your water use permit application and to describe your options. In determining whether a water use permit application may be approved, the Department must consider the factors listed below, all of which must be favorable to the proposed use if it is to be allowed. Based on the information you have supplied, the Water Resources Department has made the following preliminary determinations:

Initial Review Determinations:

1. The proposed use is not prohibited by law or rule except as otherwise noted below.
2. The use of water from one well in West Fork Dairy Creek Basin for MUNICIPAL USES is **allowable** under OAR 690-502, the Willamette Basin Program.
3. The Department has determined, based upon OAR 690-09, that the proposed groundwater use will not have the potential for substantial interference with the nearest surface water source, namely West Fork of Dairy Creek.
4. The Department has also determined, based upon available data, that the use of groundwater in the amount of 1.0 CUBIC FOOT PER SECOND for MUNICIPAL USES **will not likely be available** in the amounts requested without injury to prior rights and/or within the capacity of the resource.

5. The applicant proposed five possible locations for the well, Option 1, Option 2, Option 3, Option 4 and Option 5, but intends to drill one well.
6. The land use information form submitted with the application indicates that a conditional use permit for the proposed use must be obtained but is not being pursued. Prior to permit issuance, a conditional use permit approved by City of Banks planning officials must be submitted. (See **ADDITIONAL INFORMATION REQUIRED**)

Summary of Initial Determinations

Because item # 4 above is unfavorable, the use of 1.0 cubic foot per second of water from a well in West Fork Dairy Creek Basin for municipal use is not allowable, and it appears unlikely that you will be issued a permit. At this time, you must decide whether to proceed or to withdraw your application as described below.

Additional Information Required:

- Please submit evidence of a conditional use permit as required by City of Banks Planning.
- You indicated on the application forms that you do not own all the land where you propose to divert, transport, and use water. If there are more than 25 land owners involved in the proposed use, the Department requests that you must run a notice of the application for three consecutive weeks in a publication which meets the statutory definition of "newspaper" under ORS 193 for the purpose of public notice. The language to be used in the advertisement of the application is attached. A copy of the affidavit of publication needs to be submitted to the Department following completion of the notice period. The affidavit does not need to be submitted by the date identified below. However, please inform the Department by Thursday, August 21, 2003 that this process has been initiated.

If there are less than 25 land owners, please submit a list of the names and addresses of the affected land owners no later than Friday, August 21, 2003.

Please submit this information no later than **Thursday, August 21, 2003**. *If you are unable to submit the above listed information, you may request a "Time Out from Processing" for up to an additional 180 days.* You must submit the request in writing, stating how much more time you will need and why you need additional time. If a time out is granted, your application will not be processed further until the requested information is received or the extended deadline has passed.

If we do not receive the items requested above by this date, or you do not request a "Time Out from Processing," we **may** reject your application consistent with ORS 537.153. If your application is rejected, any fees submitted in excess of the examination fee will be refunded; however, the examination fee is non-refundable and will not be returned. In addition, the priority date associated with your application will be lost.

Please reference the application number when sending any correspondence regarding the conclusions of this initial review. Comments received within the comment period will be evaluated at the next phase of the process.

To Proceed With Your Application:

If you choose to proceed with your application, you do not have to notify the Department. Your application will automatically be placed on the Department's Public Notice to allow others the opportunity to comment. After the comment period the Department will complete a public interest review and issue a proposed final order.

Withdrawal Refunds:

If you choose not to proceed, you may withdraw your application and receive a refund (minus a \$50 processing charge per application.) To accomplish this you must notify the Department in writing by **Friday, August 1, 2003**. For your convenience you may use the enclosed "STOP PROCESSING" form.

If A Permit Is Issued It Will Likely Include The Following Conditions:

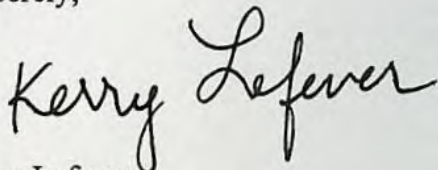
1. Measurement, recording and reporting conditions:
 - A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order.
 - B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
 - C. The Director may require the permittee to keep and maintain a record of the amount (volume) of water used and may require the permittee to report water use on a periodic schedule as established by the Director. In addition, the Director may require the permittee to report general water use information, the periods of water use and the place and nature of use of water under the permit. The Director may provide an opportunity for the permittee to submit alternative reporting procedures for review and approval.
2. The priority date for this application is December 05, 2002.

The water source identified in your application is in an area that has an approved Agricultural Water Quality Management Area Plan. These plans have been developed by the Oregon Department of Agriculture (ODA) with the cooperation of local landowners and other interested stakeholders. These plans help make sure that current and new appropriations of water are done in a way that does not adversely harm the environment. You are encouraged to contact Paul Measeles, (503) 986-4778 at the ODA to learn more about the plan and how it may affect your proposed water use.

If you have any questions:

Questions about the status of your application, processing timelines, or your upcoming Proposed Final Order should be directed to our Water Right Information Group at 503-378-8455 extension 201. Feel free to call me at 503-378-8455 extension 276 if you have any questions regarding the contents of this letter. Please have your application number available if you call. Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 158 12th ST. NE Salem, OR 97301-4172, Fax: 503-378-6203.

Sincerely,

A handwritten signature in black ink that reads "Kerry Lefever". The signature is written in a cursive, flowing style.

Kerry Lefever
Senior Water Rights Technician

enclosures: Flow Chart of Water Right Process
Stop Processing Form

G-15887
wab 2-178
pou 2-178
gw n

APPLICATION FACT SHEET

Mail to: *Applicant, Watermaster, District Biologist (ODFW)*
If necessary, also mail to : Regional Water quality manager (DEQ), and DOA

Application File Number: G-15887

Applicant: ROBERT ORLOWSKI CITY OF BANKS

County: Washington

Watermaster: 18

Priority Date: December 05, 2002

Source: ONE WELL IN WEST FORK DAIRY CREEK BASIN

Use: MUNICIPAL USES

Quantity: 1.0 CUBIC FOOT PER SECOND

Basin Name & Number: Willamette, #2

Stream Index Reference: Volume 20A W FK DAIRY CR

Well Location:

Option 1 - SWSW SECTION 30, T2N, R3W, W.M.; 1100 FEET NORTH & 1000 FEET EAST FROM SW CORNER, SECTION 30

Option 2 - NESE SECTION 36, T2N, R4W, W.M.; 2185 FEET NORTH & 300 FEET WEST FROM SE CORNER, SECTION 36

Option 3 - SESW SECTION 31, T2N, R3W, W.M.; 1000 FEET NORTH & 2580 FEET EAST FROM SW CORNER, SECTION 31

Option 4 - NENW SECTION 31, T2N, R3W, W.M.; 120 FEET SOUTH & 2070 FEET EAST FROM NW CORNER, SECTION 31

Option 5 - NENE SECTION 1, T1N, R4W, W.M.; 575 FEET SOUTH & 660 FEET WEST FROM NE CORNER, SECTION 1

Place of Use:

SWSW, SECTION 30

NWNW, SWNW, SENW, NESW, NWSW, SWSW, SESW, SWSE, SECTION 31
TOWNSHIP 2 NORTH, RANGE 3 WEST, W.M.

NENE, SENE, NESE, SECTION 36,

TOWNSHIP 2 NORTH, RANGE 4 WEST, W.M.

14 DAY STOP PROCESSING DEADLINE DATE: Friday, August 1, 2003

PUBLIC NOTICE DATE: Tuesday, July 22, 2003

30 DAY COMMENT DEADLINE DATE: Thursday, August 21, 2003

FO Checklist

Application #: G-15887 Applicant: CITY OF BANKS

☒ Has applicant **name and/or address changed**, or has the file been **assigned**? Y / N
If new: _____

☒ Were **comments** received? If so, from whom and when? NO
Respond to significant comments, issues, or disputes related to the proposed use of water

☒ **Verify names and mailing addresses** of all commenters, affected landowners and those who paid \$10 fee on PFO cc: list.

☒ Have **affected landowner(s)** been notified? Y / N / NA If not, do not issue FO. Send a letter to affected landowner(s).

☒ Has ODFW asked for **screening** condition and rate ≤ 0.5 CFS? Y / N / NA If yes, include fish screening form.

☒ Are requested **GW conditions** included in permit? Y N / NA If not, add condition(s) _____

☒ Do PFO conclusions **require modification** due to typos or errors? Y / N What and why? TI & large

☒ If in **North Umpqua settlement reach** and you're issuing a permit, did you update the spreadsheet(s)? Y / N / NA

NA **SWW** If GW and interference, copy form for Stahr.

| Fees | | Base Fee | Water Amount (Q) |
|------|--|-----------------------|----------------------------|
| | | \$150 / \$250 | 1 st CFS/AF |
| | | \$300 / \$500 | |
| | | | _____ Addl @ _____ + _____ |
| | | _____ + _____ = _____ | |
| | | (base) | (Q) (total exam fee) |

| | | | |
|-------------------|------------|------------------------|------------------------------|
| EXAM FEE REQUIRED | <u>400</u> | RECORDING FEE REQUIRED | \$175 / \$250 / <u>\$300</u> |
| EXAM FEE PAID | <u>400</u> | RECORDING FEE PAID | <u>0</u> |
| STILL OWED | <u>0</u> | <u>*STILL OWED*</u> | <u>300</u> |

FO type DENIAL

☒ FO w/ Permit # G-16312

☒ FO w/o permit

☒ lacks fees

☒ lacks easement

☒ lacks approved dam plans & specs

4-14-08 WRD need \$300 permit recording fees.

Name: Kerry Kavanagh

Date: 3/4/2008

Peer Reviewer: Jeana Eastman

PFO Checklist

one well
WASH 62373

Application #: G-15887 Applicant: CITY OF BANKS

Shortcomings preventing PFO? Y / ☒ N Should process continue? ☒ Y / N

IR Date 7-18-03 Public Notice Date 7-22-03 Comments received? ☒ Y / N Adm'r hold req.

Was additional information requested in the IR? ☒ Y / N If so, do we now have enough info to do the PFO? ☒ Y / N

Was the application filed after 10/23/99? ☒ Y / N (If not, add A date requirement) land use

B.O.R. or Doug Co. project Y / ☒ N Contract in file? N contract # _____

IR identifies as DEQ 303d? Y / ☒ NA Comments received? Y / N _____

Is second gw review necessary? ☒ Y / N / NA Complete? ☒ Y / N 11-7-07

Water Availability OK / REDONE / ☒ NA _____

Have conflicts been addressed? Y / N / ☒ NA _____

Changes from IR determinations one well - Well #4 on app map - if properly conditioned, avoid injury to gw rights or gw resource - TB, H&K - commence & complete construction w/in 20 years

Copy to WM #18
Justin Iverson, Golder Assoc, 9 Monroe Pkwy, Ste 270, Lake Oswego, OR 97035
Colm Moore, Schroeder offices, 1915 NE 39th Ave, Portland, OR 97212

| Fees | Base Fee | Water Amount (Q) | |
|----------------|---|---|--------------------------------|
| <u>1.0 cfs</u> | \$150 <input checked="" type="radio"/> \$250
\$300 / \$500 | <input checked="" type="radio"/> 1 st CFS/AF | <u>150</u> |
| | | Addl @ _____ + | <u>—</u> |
| | <u>250</u>
(base) | | <u>150</u>
(Q) |
| | | | <u>400</u>
(total exam fee) |

Paid \$400
12-5-2002

| | | | |
|-------------------|--------------|------------------------|--|
| EXAM FEE REQUIRED | <u>\$400</u> | RECORDING FEE REQUIRED | \$175 / \$250 / <input checked="" type="radio"/> \$300 |
| EXAM FEE PAID | <u>400</u> | RECORDING FEE PAID | <u>0</u> |
| STILL OWED | <u>0</u> | *STILL OWED* | <u>\$300</u> |

Name: Kerry Kavanagh

Date: 11/19/2007

Peer Reviewer: Brook Geffen

The purpose of this checklist is to be used as a working document by Department staff to aid in the production of the related Initial Review, Proposed Final Order, or Final Order. It is not intended to be a complete record of all factors which were considered to produce the document, nor is it intended to serve any purpose other than that stated above. The related Initial Review, Proposed Final Order, or Final Order is intended to stand alone as the record of factors considered in its production.

IR CHECKLIST

NAME: CITY OF BANKS Application #: 615887
 County WASHINGTON Basin: WILLAMETTE WID: 178
 Township T2N Range R3W Section 30 1/4 1/4 SWSW - POA
31 - SESW, NENW - POA
T1N4W Sec 1 MWNE - POA
T2N4W Sec 36 NSE - POA

- ✓ 10. Prohibited by ORS 538? If so, do not do an IR; return app & fees to applicant. 14 - no PSI (15 - no PSI)
- ✓ 20. Groundwater Review ✓ a. PSI A B C D River/Stream Name _____
 ✓ b. Groundwater Availability A B C not likely available
 ✓ c. Is the well located in a GWLA or CGWA or T1N R3E Sec 20, 21, 28, 29? Y / N (If in an area include map showing POD)
- ✓ 25. Use Municipal 1.0 cfs Priority Date(s) 12-5-02
Doug Larson - 2 okay, no plan required
- ✓ 30. Allowed under Basin Program Y / N Limitations? Y / N 04/2 690-502-160
- ✓ 40. Withdrawn? Y / N season allowed _____
- ✓ 45. Basin Maps have been checked? Y / N River Mile _____
- ✓ 50. SWW Y / N (if Y notify state parks) _____
- ✓ 60. Surface Water Availability (80% live flow / 50% storage) NA
- ✓ 65. Conflict? Y / N
- ✓ 70. DIVISION 33 Y / N / NA Above Bonn Y / N Below Bonn Y / N Statewide Y / N
 If Y not allowed April 15-Sept 30 If Y add PISPC
- ✓ 80. Rate _____
 Duty _____ Rate: Max Requested 4R
 Season: Normal Requested 4R
- ✓ 90. B.O.R. or Doug Co. project Y / N contract # _____
- ✓ 100. Condition S ($\leq 0.1, \leq 9.2$), M (≥ 0.1 or ≤ 1.5 CFS, or ≥ 9.2 or ≤ 100 AF), L ($\geq 1.5, \geq 100$), BOR, GW, etc. Y / N
 condition 7I and municipal require the LARGE conditions
- * 110. Land use approval OK'd discretionary land use not being pursued → need conditional use permit
needs approval county notified NA
- ✓ 120. Watermaster Dist: (1 2 16 18 20 - NWR) (3 4 5 21 - NCR) (6 8 9 10 - ER) (11 12 17 - SCR) (13 14 15 19 - SWR)
- ✓ 130. Per interactive mapping DOA 1010 Y / N 303D Y / N CTUIR Y / N
- ✓ 140. within Oregon Streamflow Restoration Area? Y / N / NA
- ✓ 150. Letter format: Good/Limited/Bad BadIRshort/Bad HC Opp
- ✓ 160. CWRE, representative, etc. to notify? (Y/N)
well 1 site

1. need landowners info on publish
 2. land use → need conditional use permit

Darrin Geldart, LDC Design Group Inc., 3300 NW 211th Terrace
Hillsboro, OR 97124

Name: Kerry Lefever Date: 7/14/03 Peer Reviewer: Anita Huffman Date: _____

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The related Initial Review, Proposed Final Order, or Final Order is intended to stand alone as the record of factors considered in its production.



INTRA-AGENCY MEMO
Field Services Division

TO: Kerry Lefever

DATE: July 2, 2003

FROM: Doug Parrow *dp*

SUBJECT: City of Banks, Application G-15887

I have reviewed the city's permit application. The requested additional quantity of water appears to be reasonable given the existing and projected population.

I am not able to reconcile the information on the Form M with the results of the city's annual water use reporting. Additionally, the city reports that the quantities of water it produces and delivers are an identical 296 ac-ft of water. It is very unlikely that the system has no leakage whatsoever. Finally, the Form M discusses a water management and conservation plan. We have no record of having received or reviewed such a plan and, thus, cannot assess whether the requested new ground water permit is contemplated in the plan or what range of alternatives to new appropriations have been considered by the city.

That notwithstanding, we do not recommend a condition requiring submittal of a plan. The requested permit would be for a modest amount of water and, based on the information on the Form M, would not provide the city with an egregious amount of water when combined with the existing rights.

INTEROFFICE MEMORANDUM

Water Rights Section

TO: Doug Parrow

June 30, 2003

FROM: Kerry Lefever

RE: Application G-15887 City of Banks

Doug,

The attached file is a municipal application for groundwater use by City of Banks.

Please review the file and submit any comments to me prior to the Initial Review.

This file is overdue for the Initial Review, so a speedy reply would be greatly appreciated.

Thanks.

Kerry

Platcard Report

Township 2N Range 4W Section 36

| | | | | | NE | | | | NW | | | | SW | | | | SE | | | | | |
|---|----------------------|------------------------|------------------|-------------------|------------------|------------------|------------------|------------------|----|----|----|----|----|----|----|----|----|------------------|----|----|-------------|-----|
| | App#
Priority | Permit/
Certificate | Claim/
Decree | Status
dlc/lot | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | Govt
Lot | DLC |
| i | -
02/08/1939 | S13480
32375 | | CN V22 | 5.0
IR
CN | 14.0
IR
CN | 23.4
IR
CN | | | | | | | | | | | 3.1
IR
CN | | | | |
| i | -
02/08/1939 | S13480
43613 | | T2421 | | | 23.4
IR | | | | | | | | | | | 22.1
IR | | | | |
| i | -
09/29/1952 | S21802
32402 | | CN V22 | 22.2
IR
CN | 7.9
IR
CN | 16.5
IR
CN | 32.6
IR
CN | | | | | | | | | | 36.9
IR
CN | | | | |
| i | -
09/29/1952 | S21802
43614 | | CN T2427 | 27.2
IR
CN | 21.9
IR
CN | 16.5
IR
CN | 32.6
IR
CN | | | | | | | | | | 17.9
IR
CN | | | | |
| i | -
09/29/1952 | S21802
68254 | | T6537 | 27.2
IR | 21.9
IR | 16.5
IR | 24.7
IR | | | | | | | | | | 17.9
IR | | | | |
| i | G8476
09/29/1977 | G7593
- | | | MU | MU | | MU | | | | | | | | | MU | | | MU | | |
| i | G15887
12/05/2002 | > SUBJECT FILE | | | MU | | | MU | | | | | | | | | MU | | | | | |
| i | P78783
01/05/1995 | -
- | | | | | | | | | | | | | | | | | | | | |
| i | R74435
01/01/1993 | -
69203 | | CN | | | | | | | | | | | | | | | | | | |
| | 01/01/1993 | | | CN | | | | | | | | | | | | | | | | | | |

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Run Time: 8 seconds

Platcard Report

Township 2N Range 4W Section 36

| | | | | | NE | | | | NW | | | | SW | | | | SE | | | | | |
|---|----------------------|------------------------|------------------|-------------------|------------------|------------------|------------------|------------------|----|----|----|----|----|----|-----------|----|-----------------|------------------|----|-----------------|-------------|-----|
| | App#
Priority | Permit/
Certificate | Claim/
Decree | Status
dlc/lot | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | Govt
Lot | DLC |
| i | R74435
01/01/1993 | -
73675 | | | | | | | | AS | | | | | | | | | | | | |
| | 01/01/1993 | | | | | | | | | LV | | | | | | | | | | | | |
| i | S17801
02/08/1939 | S13480
15397 | | CN | 19.4
IR
CN | 18.4
IR
CN | 7.7
IR
CN | | | | | | | | | | | | | | | |
| i | S26097
06/26/1951 | S20574
23036 | | | | 5.5
IR | | | | | | | | | | | | | | | | |
| i | S26885
02/20/1952 | S21108
22213 | | | | | | | | | | | | | 0.9
IR | | | | | | | |
| i | S27692
09/29/1952 | S21802
26127 | | CN | 7.8
IR
CN | 3.5
IR
CN | 32.3
IR
CN | 32.6
IR
CN | | | | | | | | | | 40.0
IR
CN | | | | |
| i | S48359
06/24/1971 | S37837
- | | | | | | | | | | | | | | | | | | | | |
| i | S51961
05/17/1974 | S39085
- | | CN | | | | | | | | | | | | | 4.3
IR
CN | | | 2.8
IR
CN | | |
| i | S54203
04/28/1976 | S40615
- | | | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | | |
| i | S65611
08/25/1983 | S48173
- | | | MU | MU | | MU | | | | | | | | | MU | | | MU | | |

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Platcard Report

Township 2N Range 4W Section 36

| | | | | | NE | | | | NW | | | | SW | | | | SE | | | | | |
|---|----------------------|------------------------|------------------|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|-----|
| | App#
Priority | Permit/
Certificate | Claim/
Decree | Status
dlc/lot | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | Govt
Lot | DLC |
| i | S69623
05/24/1988 | -
- | | | | | | | | | | | | | | | | | | | | |
| i | S71651
06/03/1991 | -
- | | | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | | |

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Run Time: 3 seconds

Platcard Report

Township 2N Range 3W Section 30 of (30, 31, 32)

| | | | | | NE | | | | NW | | | | SW | | | | SE | | | | | |
|---|----------------------|------------------------|------------------|-------------------|----|----|----|----|----|-----------|-----------|------------|----|----|----|----|------------|----|----|------------|-------------|-----|
| | App#
Priority | Permit/
Certificate | Claim/
Decree | Status
dlc/lot | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | Govt
Lot | DLC |
| i | G6628
08/19/1974 | G5336
52841 | | | | | | | | | 2.5
IR | 17.5
IR | | | | | | | | | | |
| i | G7202
01/02/1976 | G6736
57217 | | | | | | | | 7.3
IR | | | | | | | | | | | | |
| i | G8476
09/29/1977 | G7593
- | | | | | | | | | | | | MU | MU | MU | | | MU | MU | | |
| i | G15645
11/01/2001 | G15317
- | | | | | | | | | | GD | | | | | | | | | | |
| | 11/01/2001 | | | | | | | | | | | 3.85
IR | | | | | | | | | | |
| i | G15887
12/05/2002 | -
- | | | | | | | | | | | | | MU | | | | | | | |
| i | R53477
07/29/1975 | R6385
53974 | | | | | | | | | | | | | | | | | | IS (s) | | |
| i | S9207
10/03/1923 | S6516
5353 | | | | | | | | | | | | | MU | | | | | | | |
| i | S38447
02/20/1963 | S35792
- | | T8590 | | | | | | | | | | | | | 40.6
IR | | | 39.4
IR | | |
| i | S48359
06/24/1971 | S37837
- | | | | | | | | | | | | | | | | | | | | |

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Run Time: 11 seconds

Platcard Report

Township 2N Range 3W Section 30 of (30, 31, 32)

| | | | | | NE | | | | NW | | | | SW | | | | SE | | | | | |
|---|----------------------|------------------------|------------------|-------------------|----|----|----|----|----|----|----|----|-----------|----|-----------|----|---------------|----|----|----------------|-------------|-----|
| | App#
Priority | Permit/
Certificate | Claim/
Decree | Status
dlc/lot | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | Govt
Lot | DLC |
| i | S48419
08/14/1972 | S36745
47775 | | | | | | | | | | | 0.3
IR | | 0.5
IR | | | | | | | |
| i | S53478
07/29/1975 | S39871
53975 | | | | | | | | | | | | | | | 7.3
IS (s) | | | 16.3
IS (s) | | |
| i | S54203
04/28/1976 | S40615
- | | | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | | |
| i | S65611
08/25/1983 | S48173
- | | | | | | | | MU | MU | | | MU | MU | MU | | | MU | MU | | |
| i | S69623
05/24/1988 | -
- | | | | | | | | | | | | | | | | | | | | |
| i | S71651
06/03/1991 | -
- | | | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | | |

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Run Time: 7 seconds

Platcard Report

Township 2N Range 3W Section 31 of (30, 31, 32)

| | | | | | NE | | | | NW | | | | SW | | | | SE | | | | Govt
Lot | DLC |
|-------------------------------|------------------------|------------------|-------------------|--|----------------------|-----------|----------------------|----------------------|-----------|----|----|----|---------------------|----|----|----|----------------------|----------------------|----------------------|----|-------------|-----|
| App#
Priority | Permit/
Certificate | Claim/
Decree | Status
dlc/lot | | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | | |
| i -
07/17/1967 | S32760
74535 | | CN T4703 | | 21.6
IS (s)
CN | | | 9.2
IS (s)
CN | | | | | | | | | | | | | | |
| i G7241
01/27/1976 | G6646
47659 | | | | | 2.9
IR | | | 0.5
IR | | | | | | | | | | | | | |
| i G8476
09/29/1977 | G7593
- | | | | MU | MU | | MU | MU | MU | MU | | | MU | MU | | | | | | | |
| i G14429
12/30/1996 | G13520
- | | CN | | 21.6
IS (s)
CN | | 10.0
IS (s)
CN | 10.0
IS (s)
CN | | | | | 5.0
IS (s)
CN | | | | 16.0
IS (s)
CN | 21.0
IS (s)
CN | 10.0
IS (s)
CN | | | |
| i G14429
12/30/1996 | G13543
- | | | | 21.6
IS (s) | | 10.0
IS (s) | 18.0
IS (s) | | | | | 5.0
IS (s) | | | | 16.0
IS (s) | 21.0
IS (s) | 10.0
IS (s) | | | |
| i G15887
12/05/2002 | - | | | | | | | | | MU | MU | MU | MU | MU | MU | MU | | | MU | | | |
| i R43814
07/14/1967 | R5037
40329 | | | | IR | | | | | | | | | | | | | | | | | |
| i R76218
01/01/1993 | -
70175 | | CN | | | | | | | | | | | | | | | | | | | |
| | 01/01/1993 | | CN | | | | | | | | | | | | | | | | | | | |
| | 01/01/1993 | | CN | | | | | | | | | | | | | | | | | | | |

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Run Time: 9 seconds

Platcard Report

Township 2N Range 3W Section 31 of (30, 31, 32)

| | | | | | NE | | | | NW | | | | SW | | | | SE | | | | Govt
Lot | DLC |
|---|----------------------|------------------------|------------------|-------------------|------------------|----|----|-----------------|----|----|----|------------|----|----|----|----|----|----|----|----|-------------|-----|
| | App#
Priority | Permit/
Certificate | Claim/
Decree | Status
dlc/lot | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | | |
| i | R76218
01/01/1993 | -
73752 | | | AS | | AS | | | | | | | | | | AS | AS | | | | |
| | 01/01/1993 | | | | IR | | IR | | | | | | | | | | IR | IR | | | | |
| | 01/01/1993 | | | | WI | | WI | | | | | | | | | | WI | WI | | | | |
| i | S13181
12/11/1929 | S9433
8682 | | CN | | | | DO
CN | | | | | | | | | | | | | | |
| i | S13181
12/11/1929 | S9433
8693 | | | | | | DO | | | | | | | | | | | | | | |
| i | S38447
02/20/1963 | S35792
- | | T8590 | | | | | | | | 33.0
IR | | | | | | | | | | |
| | 02/20/1963 | | | T8590 | 7.3
IS (s) | | | 17.6
IS (s) | | | | | | | | | | | | | | |
| i | S43819
07/17/1967 | S32760
40330 | | CN | 21.6
IR
CN | | | 9.2
IR
CN | | | | | | | | | | | | | | |
| i | S43819
07/17/1967 | S32760
75517 | | | 21.6
IS (s) | | | 9.2
IS (s) | | | | | | | | | | | | | | |
| i | S48359
06/24/1971 | S37837
- | | | | | | | | | | | | | | | | | | | | |

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Run Time: 6 seconds

Platcard Report

Township 2N Range 3W Section 31 of (30, 31, 32)

| | | | | | NE | | | | NW | | | | SW | | | | SE | | | | | |
|---|----------------------|------------------------|------------------|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|-----|
| | App#
Priority | Permit/
Certificate | Claim/
Decree | Status
dlc/lot | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | Govt
Lot | DLC |
| i | S54203
04/28/1976 | S40615
- | | | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | | |
| i | S65611
08/25/1983 | S48173
- | | | MU | MU | | MU | MU | MU | MU | MU | MU | MU | MU | MU | | | MU | | | |
| i | S69623
05/24/1988 | -
- | | | | | | | | | | | | | | | | | | | | |
| i | S71651
06/03/1991 | -
- | | | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | MU | | |

Page: [First](#) [Previous](#) [1](#) [2](#) [3](#)

[Return to Platcard Query Screen](#)

Paul R. Cleary, Director

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

Run Time: 2 seconds

Analysis for Application: G15887**Location: 2N-3W-30-SWSW**

Uses: M U P

Basins

| BASIN_NUM | BASIN_NAME |
|-----------|------------|
| 2 | Willamette |

Records Found: 1

WaterMaster Districts

| WATERDIST | REGION | ACRES | SQ_MILES | WMASTER | ADDRESS | CITY | ZIP | PHONE | EXT | FAX |
|-----------|--------|--------|----------|---------------|------------------------|-----------|-------|--------------|-----|--------------|
| 18 | NW | 711234 | 1111 | Darrell Hedin | 111 NE Lincoln, #220-I | Hillsboro | 97124 | 503-846-4881 | | 503-846-4887 |

Records Found: 1

WAB

| BASIN | WID | LINK1 | LINK2 |
|-------|-----|-----------------------------|--------------------------|
| 2 | 178 | Water Availability: 50% 80% | Flood Frequency Analysis |

Records Found: 1

County

| COUNTY | FIPS |
|------------|-------|
| Washington | 41067 |

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

| DIV33 |
|-----------------|
| In a Div33 area |

Records Found: 1

Rule 4D

| RULE4D |
|------------------|
| In a Rule4D Area |

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

Location: 2N-3W-31-NWNW

Uses: M U P

Basins

| BASIN_NUM | BASIN_NAME |
|-----------|------------|
| 2 | Willamette |

Records Found: 1

WaterMaster Districts

| WATERDIST | REGION | ACRES | SQ_MILES | WMASTER | ADDRESS | CITY | ZIP | PHONE | EXT | FAX |
|-----------|--------|--------|----------|---------------|------------------------|-----------|-------|--------------|-----|--------------|
| 18 | NW | 711234 | 1111 | Darrell Hedin | 111 NE Lincoln, #220-I | Hillsboro | 97124 | 503-846-4881 | | 503-846-4887 |

Records Found: 1

WAB

| BASIN | WID | LINK1 | LINK2 |
|-------|-----|-----------------------------|--------------------------|
| 2 | 178 | Water Availability: 50% 80% | Flood Frequency Analysis |

Records Found: 1

County

| COUNTY | FIPS |
|------------|-------|
| Washington | 41067 |

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

| DIV33 |
|-----------------|
| In a Div33 area |

Records Found: 1

Rule 4D

| |
|------------------|
| RULE4D |
| In a Rule4D Area |

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

Location: 2N-3W-31-SENW

Uses: MU P

Basins

| BASIN_NUM | BASIN_NAME |
|-----------|------------|
| 2 | Willamette |

Records Found: 1

WaterMaster Districts

| WATERDIST | REGION | ACRES | SQ_MILES | WMASTER | ADDRESS | CITY | ZIP | PHONE | EXT | FAX |
|-----------|--------|--------|----------|---------------|------------------------|-----------|-------|--------------|-----|--------------|
| 18 | NW | 711234 | 1111 | Darrell Hedin | 111 NE Lincoln, #220-I | Hillsboro | 97124 | 503-846-4881 | | 503-846-4887 |

Records Found: 1

WAB

| BASIN | WID | LINK1 | LINK2 |
|-------|----------|-----------------------------|--------------------------|
| 2 | 178 | Water Availability: 50% 80% | Flood Frequency Analysis |
| 2 | 30201004 | Water Availability: 50% 80% | Flood Frequency Analysis |

Records Found: 2

County

| COUNTY | FIPS |
|------------|-------|
| Washington | 41067 |

Records Found: 1

Groundwater Restricted Records Found: 0

Division 33 Area

| |
|-----------------|
| DIV33 |
| In a Div33 area |

Records Found: 1

Rule 4D

| |
|------------------|
| RULE4D |
| In a Rule4D Area |

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

Location: 2N-3W-31-SWNW

Uses: MU P

Basins

| BASIN_NUM | BASIN_NAME |
|-----------|------------|
| 2 | Willamette |

Records Found: 1

WaterMaster Districts

| WATERDIST | REGION | ACRES | SQ_MILES | WMASTER | ADDRESS | CITY | ZIP | PHONE | EXT | FAX |
|-----------|--------|--------|----------|---------------|------------------------|-----------|-------|--------------|-----|--------------|
| 18 | NW | 711234 | 1111 | Darrell Hedin | 111 NE Lincoln, #220-I | Hillsboro | 97124 | 503-846-4881 | | 503-846-4887 |

Records Found: 1

WAB

| BASIN | WID | LINK1 | LINK2 |
|-------|-----|-----------------------------|--------------------------|
| 2 | 178 | Water Availability: 50% 80% | Flood Frequency Analysis |

Records Found: 1

County

| COUNTY | FIPS |
|------------|-------|
| Washington | 41067 |

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

| |
|-----------------|
| DIV33 |
| In a Div33 area |

Records Found: 1

Rule 4D

| |
|------------------|
| RULE4D |
| In a Rule4D Area |

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

Location: 2N-3W-31-SWSE

Uses: MU P

Basins

| BASIN_NUM | BASIN_NAME |
|-----------|------------|
| 2 | Willamette |

Records Found: 1

WaterMaster Districts

| WATERDIST | REGION | ACRES | SQ_MILES | WMASTER | ADDRESS | CITY | ZIP | PHONE | EXT | FAX |
|-----------|--------|--------|----------|---------------|------------------------|-----------|-------|--------------|-----|--------------|
| 18 | NW | 711234 | 1111 | Darrell Hedin | 111 NE Lincoln, #220-I | Hillsboro | 97124 | 503-846-4881 | | 503-846-4887 |

Records Found: 1

WAB

| BASIN | WID | LINK1 | LINK2 |
|-------|----------|-----------------------------|--------------------------|
| 2 | 30201004 | Water Availability: 50% 80% | Flood Frequency Analysis |

Records Found: 1

County

| COUNTY | FIPS |
|------------|-------|
| Washington | 41067 |

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

| |
|-----------------|
| DIV33 |
| In a Div33 area |

Records Found: 1

Rule 4D

| |
|------------------|
| RULE4D |
| In a Rule4D Area |

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

Location: 2N-3W-31-NESW

Uses: MU P

Basins

| BASIN_NUM | BASIN_NAME |
|-----------|------------|
| 2 | Willamette |

Records Found: 1

WaterMaster Districts

| WATERDIST | REGION | ACRES | SQ_MILES | WMASTER | ADDRESS | CITY | ZIP | PHONE | EXT | FAX |
|-----------|--------|--------|----------|---------------|------------------------|-----------|-------|--------------|-----|--------------|
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| 2 | 178 | Water Availability: 50% 80% | Flood Frequency Analysis |
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Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

| DIV33 |
|-----------------|
| In a Div33 area |

Records Found: 1

Rule 4D

| RULE4D |
|------------------|
| In a Rule4D Area |

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

Location: 2N-3W-31-NWSW

Uses: MUP

Basins

| BASIN_NUM | BASIN_NAME |
|-----------|------------|
| 2 | Willamette |

Records Found: 1

WaterMaster Districts

| WATERDIST | REGION | ACRES | SQ_MILES | WMASTER | ADDRESS | CITY | ZIP | PHONE | EXT | FAX |
|-----------|--------|--------|----------|---------------|------------------------|-----------|-------|--------------|-----|--------------|
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Records Found: 1

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| BASIN | WID | LINK1 | LINK2 |
|-------|-----|-----------------------------|--------------------------|
| 2 | 178 | Water Availability: 50% 80% | Flood Frequency Analysis |

Records Found: 1

County

| COUNTY | FIPS |
|------------|-------|
| Washington | 41067 |

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

| DIV33 |
|-----------------|
| In a Div33 area |

Records Found: 1

Rule 4D

| RULE4D |
|------------------|
| In a Rule4D Area |

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

Location: 2N-3W-31-SESW

Uses: MUP

Basins

| BASIN_NUM | BASIN_NAME |
|-----------|------------|
| 2 | Willamette |

Records Found: 1

WaterMaster Districts

| WATERDIST | REGION | ACRES | SQ_MILES | WMASTER | ADDRESS | CITY | ZIP | PHONE | EXT | FAX |
|-----------|--------|--------|----------|---------------|------------------------|-----------|-------|--------------|-----|--------------|
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Records Found: 1

WAB

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|-------|----------|-----------------------------|--------------------------|
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| 2 | 30201004 | Water Availability: 50% 80% | Flood Frequency Analysis |

Records Found: 2

County

| COUNTY | FIPS |
|------------|-------|
| Washington | 41067 |

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

| DIV33 |
|-----------------|
| In a Div33 area |

Records Found: 1

Rule 4D

| RULE4D |
|------------------|
| In a Rule4D Area |

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

Location: 2N-3W-31-SWSW

Uses: MU P

Basins

| BASIN_NUM | BASIN_NAME |
|-----------|------------|
| 2 | Willamette |

Records Found: 1

WaterMaster Districts

| WATERDIST | REGION | ACRES | SQ_MILES | WMASTER | ADDRESS | CITY | ZIP | PHONE | EXT | FAX |
|-----------|--------|--------|----------|---------------|------------------------|-----------|-------|--------------|-----|--------------|
| 18 | NW | 711234 | 1111 | Darrell Hedin | 111 NE Lincoln, #220-I | Hillsboro | 97124 | 503-846-4881 | | 503-846-4887 |

Records Found: 1

WAB

| BASIN | WID | LINK1 | LINK2 |
|-------|-----|-----------------------------|--------------------------|
| 2 | 178 | Water Availability: 50% 80% | Flood Frequency Analysis |

Records Found: 1

County

| COUNTY | FIPS |
|------------|-------|
| Washington | 41067 |

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

| DIV33 |
|-----------------|
| In a Div33 area |

Records Found: 1

Rule 4D

| RULE4D |
|------------------|
| In a Rule4D Area |

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

Location: 2N-4W-36-NENE

Uses: MU P

Basins

| BASIN_NUM | BASIN_NAME |
|-----------|------------|
| 2 | Willamette |

Records Found: 1

WaterMaster Districts

| WATERDIST | REGION | ACRES | SQ_MILES | WMASTER | ADDRESS | CITY | ZIP | PHONE | EXT | FAX |
|-----------|--------|--------|----------|---------------|------------------------|-----------|-------|--------------|-----|--------------|
| 18 | NW | 711234 | 1111 | Darrell Hedin | 111 NE Lincoln, #220-I | Hillsboro | 97124 | 503-846-4881 | | 503-846-4887 |

Records Found: 1

WAB

| BASIN | WID | LINK1 | LINK2 |
|-------|-----|-----------------------------|--------------------------|
| 2 | 178 | Water Availability: 50% 80% | Flood Frequency Analysis |

Records Found: 1

County

| COUNTY | FIPS |
|------------|-------|
| Washington | 41067 |

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

| DIV33 |
|-----------------|
| In a Div33 area |

Records Found: 1

Rule 4D

| RULE4D |
|------------------|
| In a Rule4D Area |

Records Found: 1

303D Streams

| RRN | HUCSEG | FEAT_NAME | TRIBAL | WRD_ID | CAUSE | DISCLAIM |
|-------------------|-------------|-----------------------|--------|----------------------|-------------|--|
| 170900100016 8.23 | 17090010 16 | West Fork Dairy Creek | | 02114003000480090160 | TEMP BAC DO | Refer to the 303(d) list as document of record |

Records Found: 1

303D Lakes Records Found: 0

Location: 2N-4W-36-SENE

Uses: MU P

Basins

| BASIN_NUM | BASIN_NAME |
|-----------|------------|
| 2 | Willamette |

Records Found: 1

WaterMaster Districts

| WATERDIST | REGION | ACRES | SQ_MILES | WMASTER | ADDRESS | CITY | ZIP | PHONE | EXT | FAX |
|-----------|--------|--------|----------|---------------|------------------------|-----------|-------|--------------|-----|--------------|
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Records Found: 1

WAB

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|-------|-----|-----------------------------|--------------------------|
| 2 | 178 | Water Availability: 50% 80% | Flood Frequency Analysis |

Records Found: 1

County

| COUNTY | FIPS |
|------------|-------|
| Washington | 41067 |

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

DIV33

In a Div33 area

Records Found: 1

Rule 4D

RULE4D

In a Rule4D Area

Records Found: 1

303D Streams Records Found: 0

303D Lakes Records Found: 0

Location: 2N-4W-36-NESE

Uses: MU P

Basins

| BASIN_NUM | BASIN_NAME |
|-----------|------------|
| 2 | Willamette |

Records Found: 1

WaterMaster Districts

| WATERDIST | REGION | ACRES | SQ_MILES | WMASTER | ADDRESS | CITY | ZIP | PHONE | EXT | FAX |
|-----------|--------|--------|----------|---------------|------------------------|-----------|-------|--------------|-----|--------------|
| 18 | NW | 711234 | 1111 | Darrell Hedin | 111 NE Lincoln, #220-1 | Hillsboro | 97124 | 503-846-4881 | | 503-846-4887 |

Records Found: 1

WAB

| BASIN | WID | LINK1 | LINK2 |
|-------|-----|-----------------------------|--------------------------|
| 2 | 178 | Water Availability: 50% 80% | Flood Frequency Analysis |

Records Found: 1

County

| COUNTY | FIPS |
|------------|-------|
| Washington | 41067 |

Records Found: 1

Groundwater Restricted Records Found: 0

Divison 33 Area

Active Server Pages error 'ASP 0113' Script timed out /apps/wr/wr_mapping/wr_app_analyze.asp The maximum amount of time for a script to execute was exceeded. You can change this limit by specifying a new value for the property Server.ScriptTimeout or by changing the value in the IIS administration tools.

DIV33

OREGON WATER RESOURCES DEPARTMENT



State of Oregon
Water Resources Department
158 12th ST NE, Salem, OR 97301
(503) 378-8455
www.wrd.state.or.us

FAXED

FAX TRANSMITTAL

TO: DARRIN GELDERT FAX NUMBER: 503-645-5500
DATE: 7/22/03 PAGES: 14, INCLUDING COVER SHEET
FROM: KERRY LEFEVER PHONE: (503) 378-8455 EXT. 276
COMMENTS: APPLICATION G-15887 CITY OF BANKS

GROUND WATER REVIEW BY MARC NORTON, EXT. 209

DIRECTOR'S OFFICE

- Water Resources Commission
- Legislation and Rules
- Public Information

FIELD & TECHNICAL SERVICES

- Hydrographics
- Ground Water
- Information Services
- GIS/Mapping

FAX: (503) 378-2496

ADMINISTRATIVE SERVICES

- Fiscal / Accounting
- Human Resources / Personnel
- Water Development Loan Fund
- Support Services

FIELD & TECHNICAL SERVICES

- Dam Safety
- Enforcement
- Regional Liaisons
- Transfers

FAX: (503) 378-8130

WATER RIGHTS

- Water Rights information
- Adjudications
- Hydroelectric
- Certifications / Final Proofs
- Hearings / Contested Cases

NORTHWEST REGION

- District 16 Watermaster

FAX: (503) 378-6203

TO: Water Rights Section June 6, 200 3

FROM: Ground Water/Hydrology Section Marc Norton
Reviewer's Name

SUBJECT: Application G- 15887 Supersedes review of
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.

A. **GENERAL INFORMATION:** 4506 PM Applicant's Name: City of Banks

A1. Applicant(s) seek(s) 1.0 cfs from one well(s) in the Willamette Basin,
Tualatin subbasin Quad Map: Forest Grove

A2. Proposed use: Municipal Seasonality: Year round

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

| Well | Logid | Proposed Aquifer* | Proposed Rate(cfs) | Location (T/R-S QQ-Q) | Location, metes and bounds, example: 2250' N, 1200' E fr NW cor S 36 |
|------|----------|-------------------|--------------------|-----------------------|--|
| 1 | Proposed | CRB | 1.0 | 2N/3W-31 (2) | 5 different proposed locations |
| 2 | | | | 2N/3W-30 (1) | |
| 3 | | | | 2N/4W-36 (1) | |
| 4 | | | | 1N/4W-1 (1) | |
| 5 | | | | | |

* Alluvium, CRB, Bedrock

| Well | Well Elev ft msl | First Water ft bls | SWL ft bls | SWL Date | Well Depth (ft) | Seal Interval | Casing Intervals | Liner Intervals | Perforations Or Screens | Well Yield | Draw Down | Test Type |
|------|------------------|--------------------|------------|----------|-----------------|---------------|------------------|-----------------|-------------------------|------------|-----------|-----------|
| 1 | | 90 | ≈20 | | ≈800 | 0-400 | 0-400 | 380-800 | 400-700 | 450 | ? | ? |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Use data from application for proposed wells.

A4. Comments: Because there are 5 proposed well locations with similar well construction (except #1) I reviewed based on generalities in the permit. This well will be completed in the basalt with a deep case and seal (400'). Because of proposed construction and geology

A5. ☐ Provisions of the Willamette 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: _____

B. GROUND WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130 (b) (c)

B1. Based upon available data, I have determined that ground water for the proposed use:

- a. ☒ is over appropriated, ☐ is not over appropriated, or ☐ cannot be determined to be over-appropriated during any period of the proposed use;
- b. ☒ will not or ☐ will likely be available in the amounts requested without injury to prior ground water rights;
- c. ☒ will not or ☐ will likely 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:
- ☐ The permit should contain condition #(s) _____;
 - ☐ The permit should be conditioned as indicated in item 2 below.
 - ☐ The permit should contain special condition(s) as indicated in item 3 below;

- B2. 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. ☐ Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to 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 Ground Water Section.

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): _____

- B3. Ground water availability remarks: Recently reviewed G.W. Application G-15871, about 3 miles SE of Banks; conditioned 7I-Willamette Valley Basalt Condition
- Also, reviewed Hillsboro School District - No Water Available - proposed 2-year water rights
- Reviewed water level data from permit condition database. There are several wells nearby that are showing declines with about
- There is a well in section 31 (G-14429) that is about 1/2 way to trigger. A year round use will have a significant impact on this use.
- There are 2 wells in section 6 (SE of Banks) that are 2/3rds of the way to reaching their triggers
- There are 2 wells in section 1 (SW of Banks) that are from 1/2 to almost reaching their triggers
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

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 |
|------|-----------------------------|-------------------------------------|--------------------------|
| 1 | CRB | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| | | <input type="checkbox"/> | <input type="checkbox"/> |
| | | <input type="checkbox"/> | <input type="checkbox"/> |

Basis for aquifer confinement evaluation: geology - hydrology**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 1/4 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.**

| 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 | Un Named Tributary to Dairy | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | 2 | West Fork of Dairy Cr | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2 | 1 | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | 2 | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3 | 1 | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | 2 | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4 | 1 | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | 2 | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5 | 1 | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | 2 | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Basis for aquifer hydraulic connection evaluation: hydrogeologic setting**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. If Q is not distributed by well, use full rate for each well. If modeled, include description and model parameters in Comments (C3b). Any checked ☒ box indicates the well is assumed to have the potential to cause substantial interference with surface water.**

| Well | SW # | Well < 1/4 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? |
|------|------|--------------------------|--------------------------|-------------------------|------------------------------|--------------------------|------------------------|------------------------------|----------------------------|---|
| 1 | 1/2 | <input type="checkbox"/> | <input type="checkbox"/> | | | <input type="checkbox"/> | | <input type="checkbox"/> | | <input type="checkbox"/> |
| 2 | 1/2 | <input type="checkbox"/> | <input type="checkbox"/> | | | <input type="checkbox"/> | | <input type="checkbox"/> | | <input type="checkbox"/> |
| 3 | 1/2 | <input type="checkbox"/> | <input type="checkbox"/> | | | <input type="checkbox"/> | | <input type="checkbox"/> | | <input type="checkbox"/> |
| 4 | 1/2 | <input type="checkbox"/> | <input type="checkbox"/> | | | <input type="checkbox"/> | | <input type="checkbox"/> | | <input type="checkbox"/> |
| 5 | 1/2 | <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"/> |
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| | | <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: _____

C4a. 690-09-040 (5): Estimated impacts on surface water sources as percent or qualitative fraction* of proposed pumping rate. Limit evaluation to one year of pumping.

| Well | SW# | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 1/2 | VL | | | | | | | | | | | |
| 2 | 1/2 | VL | | | | | | | | | | | |
| 3 | 1/2 | VL | | | | | | | | | | | |
| 4 | 1/2 | VL | | | | | | | | | | | |
| 5 | 1/2 | VL | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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*VL = Very Low (<5%), L = Low (5-25%), I = Intermediate (25-75%), H = High (>75%).

Basis for impact evaluation: _____

C4b. 690-09-040 (5): Evaluation of paragraphs under subsection 5. A determination of ☒ Low denotes no connection or a very indirect connection between surface water and ground water; ☒ High denotes hydraulic connection that would likely reduce surface water availability in the first year of pumping. Do not equate "Low" and "High" between C4a and C4b.

- (a) The potential to reduce surface water availability in _____ is ☒ Low or ☐ High
 The potential to reduce surface water availability in _____ is ☐ Low or ☐ High
 The potential to reduce surface water availability in _____ is ☐ Low or ☐ High
 The potential to reduce surface water availability in _____ is ☐ Low or ☐ High

Basis: _____

(b) The potential to impair or detrimentally affect the public interest is to be determined by the Water Rights Section.

C4b. 690-09-040 (5):. Evaluation of paragraphs under subsection 5 continued.

(c) The percentage of appropriation in the first year of use that will be at the expense of surface water <5%Basis: Hydrogeologic setting(d) The timing of interference will be ☐ immediate (within one year), or ☒ delayed;Basis: Hydrogeologic setting

(e) The potential for cumulative adverse impacts:

A graphical distribution of POAs and summary of permitted rights

☐ are or ☐ are not available at this time of review.

| Impacted stream | Impacted basin or sub-basin | Existing Ground Water Rights (cfs) |
|-----------------|-----------------------------|------------------------------------|
| | | |
| | | |
| | | |
| | | |

Comments: _____

C5. ☐ If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water use under this permit can be regulated if it is found to substantially interfere with surface water:

- ☐ The permit should contain condition #(s) _____;
- ☐ The permit should contain special condition(s) as indicated in "Remarks" below;
- ☐ The permit should be conditioned as indicated in item 6 below;

C6. ☐ If the well is not reconstructed, it will interfere with surface water. Well reconstruction, as follows, will adequately protect surface water from interference. If the ground water use under this permit is found to have the potential for substantial interference with surface water, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Ground Water Section.:

The well should be reconstructed as follows: _____

C7. SW / GW Remarks _____

D. WELL 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 _____;
 - 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).
-

List of water rights with water level monitoring conditions in 4 Townships

| | | | | | |
|--|--|-----|----------|---|----|
| 2N/3W-31 st
14 Rights
In Township | | 1 | WASH 909 | NO | 25 |
| | | 2 | " 3746 | NO | 36 |
| | | 3 | " 7691 | N | 36 |
| | | 4 | _____ | | |
| | | 5 | " 3746 | N | 36 |
| | G-14429 AP
1 3520 Permit (C)
1 3543 Permit (V) | * 6 | " 50693 | $\frac{1}{2}$ ^{Very close in 2001} | 31 |
| | | * 7 | " " | $\frac{1}{2}$ | 31 |
| | | 8 | _____ | | |
| | | 9 | _____ | | |
| | | 10 | _____ | | |
| | | 11 | " 4436 | $\approx \frac{1}{2}$ | 36 |
| | | 12 | _____ | | |
| | | 13 | " 54572 | New | 4 |
| | | 14 | 56924 | New | 29 |

2N/4W-36

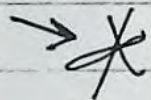
None

| | | | | | |
|--------------------------------------|---|----|---------|-----------------------|----|
| 2N/3W-16
14 Rights in
Township | | 1 | WASH 2 | No data | |
| | | 2 | BFS | | |
| | * | 3 | " 6051 | $\frac{2}{3}$ there | 14 |
| | | 4 | BFS | | |
| | | 5 | " 52537 | New 3yrs | 27 |
| | | 6 | | No Data | |
| | | 7 | BFS | | |
| | | 8 | | No Data | |
| | * | 9 | 6051 | $\frac{11}{15}$ close | 11 |
| | | 10 | 5993 | Well construction? | 5 |

| T/R | # | City | Log# | Status | Sect. |
|---------|----|--|-------|--------|-----------|
| IN/3W-6 | 11 | WASH | 57898 | New | 14 |
| | 12 | " | 57621 | " | 15 |
| | 13 | ↑ same same permit now well | | | POD #2 16 |
| | 14 | Same Well - New Application | | | 14 |

IN/4W-11

5 Rights



| | | | | |
|---|------|-------|----------------------|----|
| 1 | Wash | 6556 | Very Close | 3 |
| 2 | BFS | | | |
| 3 | " | 52332 | Little data | 21 |
| 4 | " | 3212 | 1/2 12/25 | 23 |
| 5 | " | 58716 | New ²⁰⁰¹ | 8 |

STATE OF OREGON
WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

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

WASH 50693 RECEIVED MAY 28 1996

Nearby Well

(START CARD) # 86703

(1) OWNER:

Name QUAIL VALLEY GOLF COURSE
Address 12565 NW AERTS RD.
City BANKS State OR Zip 97106

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☒ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 640 ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

| HOLE | | | SEAL | | | Sacks or pounds |
|----------|------|-----|----------|------|-----|-----------------|
| Diameter | From | To | Material | From | To | |
| 14-3/4 | 0 | 312 | Cement | 0 | 90 | 35 SKS |
| 10 | 312 | 640 | Cement | 280 | 312 | 20 SKS |

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

Backfill placed from 90 ft. to 280 ft. Material Hivisc Gel & bent. chips
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

| Diameter | From | To | Gauge | Steel | Plastic | Welded | Threaded |
|-------------|------|-----|-------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|
| Casing: 10" | +1 | 312 | 250 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Liner: | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

| From | | To | Slot size | Number | Diameter | Material | Tele/pipe size | Casing | Liner |
|------|--|----|-----------|--------|----------|----------|----------------|--------|-------|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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

| Yield gal/min | | Drawdown | | Drill stem wt | | Time | |
|-------------------------------|---------------------------------|---|----------------------------------|---------------|--|------|--|
| <input type="checkbox"/> Pump | <input type="checkbox"/> Bailor | <input checked="" type="checkbox"/> Air | <input type="checkbox"/> Flowing | | | | |
| 300+ | | 280 | | 1 hr. | | | |
| 200 | | 180 | | " | | | |
| 180 | | 100 | | " | | | |

Temperature of water 56 F Depth Artesian Flow Found _____

Was a water analysis done? ☒ Yes By whom AMT

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

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____

Depth of strata: _____

(9) LOCATION OF WELL by legal description:

County WASHINGTON Latitude _____ Longitude _____
Township 2N N or S Range 3W E or W. WM.
Section 31 NW 1/4 SE 1/4
Tax Lot 00100 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 12565 NW AERTS RD
BANKS, OR

(10) STATIC WATER LEVEL:

18 ft. below land surface. Date 05/20/96
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 340

| From | To | Estimated Flow Rate | SWL |
|------|-----|---------------------|-----|
| 340 | 465 | 100 GPM | 18 |
| 515 | 575 | 100 " | 18 |
| 575 | 630 | 100+GPM | 18 |

(12) WELL LOG:

| Material | From | To | SWL |
|--|------|-----|-----|
| Topsoil | 0 | 1 | |
| Dark brown clay | 1 | 4 | |
| Sticky brown clay | 4 | 16 | |
| Sticky gray-brown clay | 16 | 94 | |
| Sticky red-brown clay | 94 | 156 | |
| Decomp. brown basalt, occ. clay interbeds | 156 | 283 | |
| Soft brown basalt | 283 | 298 | |
| Firm gray-brown basalt | 298 | 310 | |
| Hard gray basalt | 310 | 340 | |
| Gray-brown, gray-black basalt | 340 | 465 | 18 |
| occ. brown basalt streaks | | | " |
| (caving zone 420-435, grouted solid) | | | |
| Brown basalt & ash, cemented debris | 465 | 515 | |
| Gray-brown basalt, frac. occ. broken green mineral stain | 515 | 575 | 18 |
| Brown & gray-brown basalt, brown | 575 | 630 | 18 |
| Gray-black basalt, hard, frac. | 630 | 640 | |

Date started 04/02/96 Completed 05/20/96

(unbonded) Water Well Constructor Certification:

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

Signed _____ WWC Number _____ Date _____

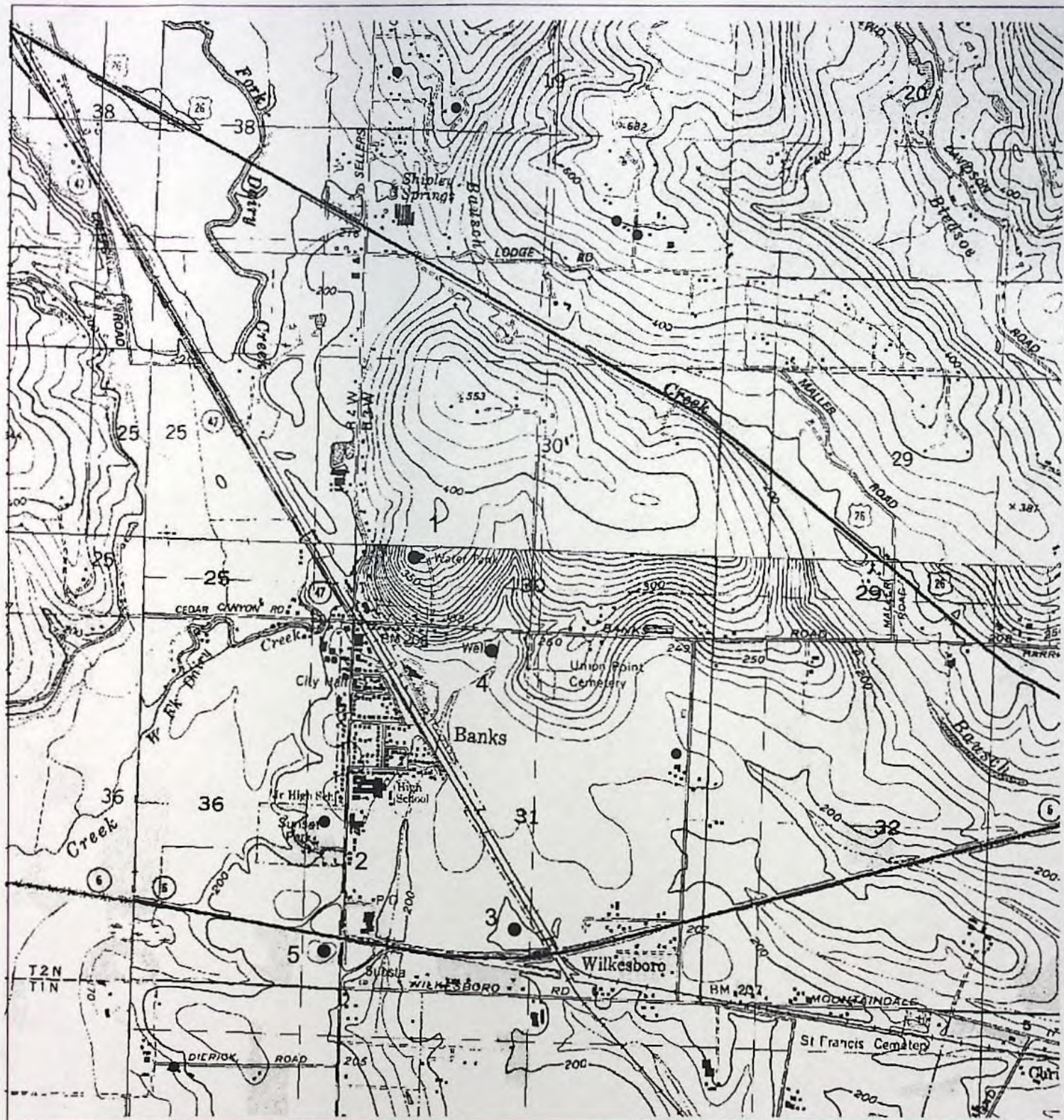
(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

Signed [Signature] WWC Number 1266 & 573 Date 05/22/96

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





Well Locations for Application G-15887

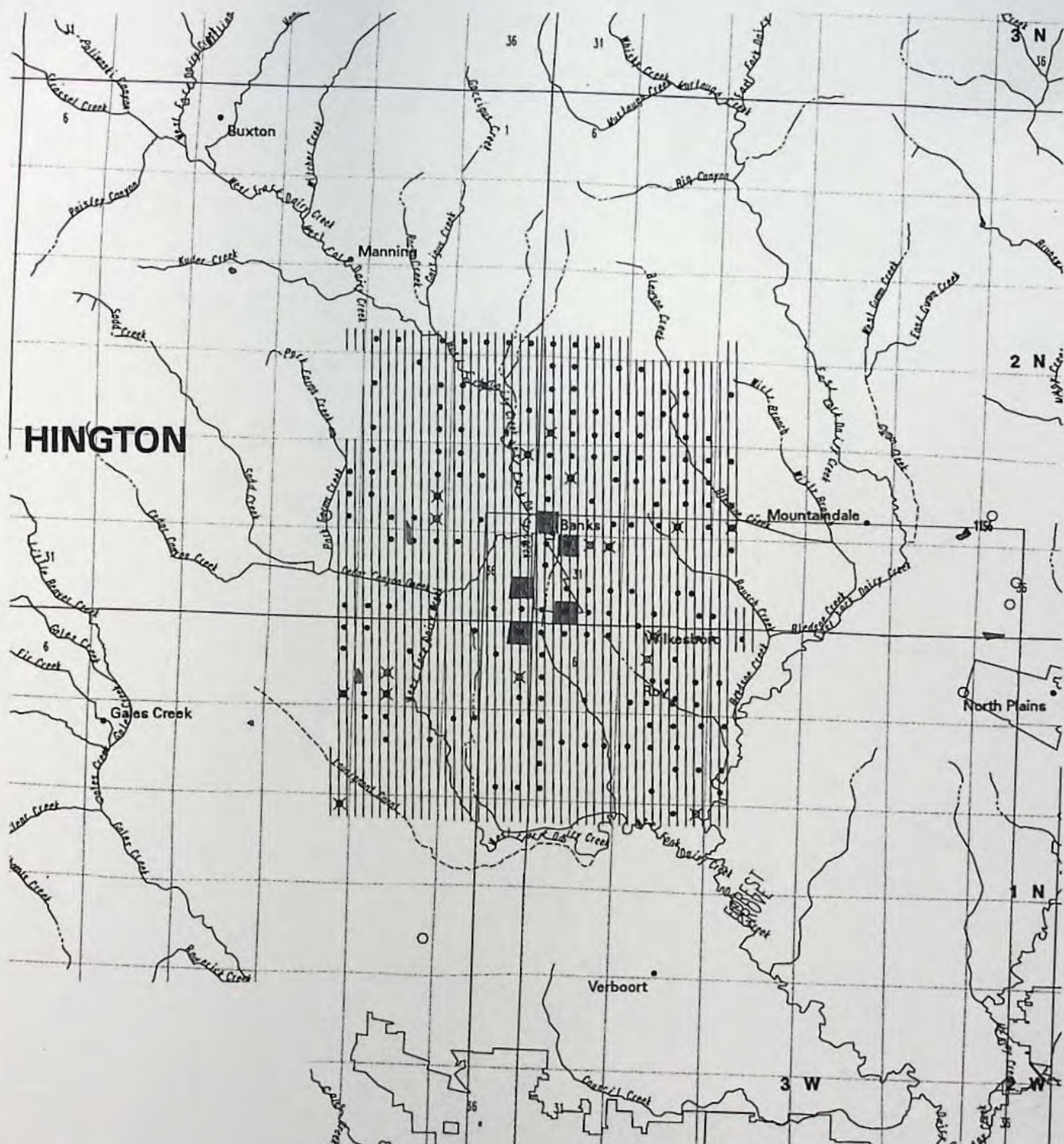


0.4 0 0.4 0.8 Miles



Wells in the vicinity of application G 15887

- | | | | | | | | |
|---|---|---|---|---|---|---|-------------------|
|  | Application well(s) in this 1/4-1/4 section | • | Well(s) identified in this 1/4-1/4 section from OWRD's well log database within 1 mi. radius of application well(s) | ○ | Conditioned, permitted well(s) in this 1/4-1/4 section within 5 mi. radius of application well(s) |  | Critical GW Area |
|  | Well(s) identified in this section from OWRD's well log database within 1 mi. radius of application well(s) | ✕ | Permitted well(s) in this 1/4-1/4 section within 1 mi. radius of application well(s) | ▲ | OWRD Observation well and well-id within 5 mi. radius of application well(s) |  | Regulated GW Area |



WELL LOGS WITHIN 1 MILE OF APPLICATION G 15887

ABANDON: 38
 RECONDITIONED: 14
 REPAIRED: 8
 CONVERSION: 0
 DEEPENINGS: 48
 NEW CONSTRUCT: 744

COMMUNITY USE: 6
 DOMESTIC USE: 784
 INDUSTRIAL USE: 6
 INJECTION USE: 0
 IRRIGATION USE: 30
 THERMAL USE: 0
 LIVESTOCK USE: 18

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 15887

| \$RECNO | APPLICATION | PERMIT | CLAIM | LOC-QQ | USE_CODE |
|---------|-------------|---------|-------|---------------------|----------|
| 1 | G 799 | G 726 | | 0 2.00N 4.00W24SENW | IR |
| 2 | G 6060 | G 5724 | | 0 2.00N 4.00W25NENE | IR |
| 3 | G 7812 | G 7903 | | 0 2.00N 4.00W26NESE | QM |
| 4 | G 7812 | G 7903 | | 0 2.00N 4.00W26SESE | QM |
| 5 | | | | 2.00N 4.00W36NESE | |
| 6 | G 7202 | G 6736 | | 0 2.00N 3.00W19SWSW | IR |
| 6 | S 69112 | S 50259 | | 0 2.00N 3.00W19SWSW | IR |
| 6 | S 69112 | S 50259 | | 0 2.00N 3.00W19SWSW | IR |
| 6 | S 69112 | S 50259 | | 0 2.00N 3.00W19SWSW | DO |
| 6 | S 69112 | S 50259 | | 0 2.00N 3.00W19SWSW | DO |
| 6 | R 69111 | R 10905 | | 0 2.00N 3.00W19SWSW | IR |
| 7 | G 15645 | 0 | | 0 2.00N 3.00W30SENW | IR |
| 7 | G 15645 | 0 | | 0 2.00N 3.00W30SENW | GD |
| 7 | G 6628 | G 5336 | | 0 2.00N 3.00W30SENW | IR |
| 8 | | | | 2.00N 3.00W30SWSW | |
| 9 | G 15271 | G 15205 | | 0 2.00N 3.00W29SWSE | IR |
| 10 | G 9241 | G 8564 | | 0 2.00N 3.00W28SWSW | IR |
| 11 | G 8476 | G 7593 | | 0 2.00N 3.00W31NENW | MU |
| 12 | G 7241 | G 6646 | | 0 2.00N 3.00W31NENE | IR |
| 13 | R 76218 | 0 | | 0 2.00N 3.00W31NENE | WI |
| 13 | R 76218 | 0 | | 0 2.00N 3.00W31NENE | AS |
| 13 | R 76218 | 0 | | 0 2.00N 3.00W31NENE | IR |
| 13 | S 43819 | S 32760 | | 0 2.00N 3.00W31NENE | IS |
| 13 | S 43819 | S 32760 | | 0 2.00N 3.00W31NENE | IS |
| 13 | S 43819 | S 32760 | | 0 2.00N 3.00W31NENE | IS |
| 13 | G 14429 | G 13520 | | 0 2.00N 3.00W31NENE | IS |
| 13 | G 14429 | G 13543 | | 0 2.00N 3.00W31NENE | IS |
| 13 | S 13181 | S 9433 | | 0 2.00N 3.00W31NENE | DO |
| 13 | S 13181 | S 9433 | | 0 2.00N 3.00W31NENE | DO |
| 13 | S 43819 | S 32760 | | 0 2.00N 3.00W31NENE | IR |
| 13 | S 43819 | S 32760 | | 0 2.00N 3.00W31NENE | IR |
| 13 | R 43814 | R 5037 | | 0 2.00N 3.00W31NENE | IR |
| 14 | | | | 2.00N 3.00W31SESW | |
| 15 | | | | 1.00N 4.00W 1NENE | |
| 16 | G 11852 | G 10996 | | 0 1.00N 4.00W 2NESW | NU |
| 17 | G 3943 | G 3700 | | 0 1.00N 4.00W 1NESE | IR |
| 18 | G 14503 | G 13357 | | 0 1.00N 4.00W 3SESE | IR |
| 18 | G 14503 | G 13357 | | 0 1.00N 4.00W 3SESE | AG |
| 18 | S 80130 | S 52024 | | 0 1.00N 4.00W 3SESE | AG |
| 18 | S 80130 | S 52024 | | 0 1.00N 4.00W 3SESE | AG |
| 18 | S 80130 | S 52024 | | 0 1.00N 4.00W 3SESE | IR |
| 18 | S 80130 | S 52024 | | 0 1.00N 4.00W 3SESE | IR |
| 18 | S 80130 | S 52244 | | 0 1.00N 4.00W 3SESE | NU |
| 18 | S 80130 | S 52244 | | 0 1.00N 4.00W 3SESE | NU |
| 18 | S 80130 | S 52244 | | 0 1.00N 4.00W 3SESE | IR |
| 18 | S 80130 | S 52244 | | 0 1.00N 4.00W 3SESE | IR |
| 18 | S 29691 | S 23378 | | 0 1.00N 4.00W 3SESE | IR |
| 18 | S 40659 | S 30289 | | 0 1.00N 4.00W 3SESE | IS |
| 19 | G 11327 | G 10474 | | 0 1.00N 4.00W 2SESW | NU |

| | | | | | | | | | |
|----|---|-------|---|-------|---|-------|-------|--------|----|
| 19 | G | 11327 | G | 10474 | 0 | 1.00N | 4.00W | 2SESW | IS |
| 19 | S | 17722 | S | 13392 | 0 | 1.00N | 4.00W | 2SESW | IR |
| 19 | G | 6245 | G | 5889 | 0 | 1.00N | 4.00W | 2SESW | IR |
| 20 | G | 5126 | G | 4779 | 0 | 1.00N | 4.00W | 15NENE | IR |
| 21 | G | 14113 | G | 12612 | 0 | 1.00N | 3.00W | 5NENW | AG |
| 21 | G | 14113 | G | 12612 | 0 | 1.00N | 3.00W | 5NENW | IR |
| 22 | G | 3511 | G | 3305 | 0 | 1.00N | 3.00W | 5SESW | IR |
| 23 | G | 15871 | | 0 | 0 | 1.00N | 3.00W | 17NENE | NU |

CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 15887

| \$RECNO | APPLICATION | PERMIT | LOC-QQ | CONDITION-CODE |
|---------|-------------|--------|---------|-----------------------|
| 1 | G | 13205 | G 12164 | 2.00N 4.00W27SWSE 7BG |
| 1 | G | 13205 | G 12164 | 2.00N 4.00W27SWSE 7BR |
| 2 | G | 12208 | G 11187 | 2.00N 3.00W25NWSW 4E |
| 3 | G | 11986 | G 11031 | 2.00N 3.00W36SESW 4D |
| 3 | G | 11986 | G 11031 | 2.00N 3.00W36SESW 4E |
| 3 | G | 11986 | G 11031 | 2.00N 3.00W36SESW 4D |
| 3 | G | 11986 | G 11031 | 2.00N 3.00W36SESW 4E |
| 4 | G | 12976 | G 11793 | 2.00N 3.00W36NESW 4EG |
| 4 | G | 12976 | G 11793 | 2.00N 3.00W36NESW 4EW |
| 4 | G | 12976 | G 11793 | 2.00N 3.00W36NESW 4EG |
| 4 | G | 12976 | G 11793 | 2.00N 3.00W36NESW 4EW |
| 4 | G | 12976 | G 11793 | 2.00N 3.00W36NESW 4EG |
| 4 | G | 12976 | G 11793 | 2.00N 3.00W36NESW 4EW |
| 5 | G | 13425 | G 11803 | 1.00N 4.00W23NESE 4LG |
| 5 | G | 13425 | G 11803 | 1.00N 4.00W23NESE 4LW |
| 5 | G | 13425 | G 11803 | 1.00N 4.00W23NESE 4LG |
| 5 | G | 13425 | G 11803 | 1.00N 4.00W23NESE 4LW |
| 6 | G | 12086 | G 11142 | 1.00N 3.00W 2NESE 4E |
| 6 | G | 12086 | G 11142 | 1.00N 3.00W 2NESE 4E |
| 6 | G | 12086 | G 11142 | 1.00N 3.00W 2NESE 4E |

APPLICATION G 15887 FALLS WITHIN THESE QUAD(S)

FOREST GROVE

FOREST GROVE

FOREST GROVE



Water Availability for WID 178

N/A

jump to:

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- [commission](#)
- [water law](#)
- [water rights](#)
- [surface water](#)
- [ground water](#)
- [maps](#)
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WATER AVAILABILITY TABLE

Water Availability as of 6/30/2003 for
W FK DAIRY CR > DAIRY CR - AT MOUTH

Watershed ID #: 178 Basin: WILLAMETTE Exceedance Level: 80
Time: 14:37 Date: 06/30/2003

Select an Item Number for More Details

| Item # | Watershed ID # | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sto |
|--------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 181 | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| 2 | 175 | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | YES | YES |
| 3 | 30201006 | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | YES | YES |
| 4 | 30201013 | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | YES | YES |
| 5 | 30201002 | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | YES | YES |
| 6 | 178 | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | NO | YES | YES |

STREAM NAMES

Water Availability as of 6/30/2003 for
W FK DAIRY CR > DAIRY CR - AT MOUTH

Watershed ID #: 178 Basin: WILLAMETTE Exceedance Level: 80
Time: 14:37 Date: 06/30/2003

| Item | Watershed ID | Stream Name |
|------|--------------|--|
| 1 | 181 | WILLAMETTE R > COLUMBIA R - AT MOUTH |
| 2 | 175 | TUALATIN R > WILLAMETTE R - AT MOUTH |
| 3 | 30201006 | TUALATIN R > WILLAMETTE R - AT GAGE 14207500 |
| 4 | 30201013 | TUALATIN R > WILLAMETTE R - AT GAGE 14206500 |
| 5 | 30201002 | DAIRY CR > TUALATIN R - AT MOUTH |
| 6 | 178 | W FK DAIRY CR > DAIRY CR - AT MOUTH |

LIMITING WATERSHEDS

Water Availability as of 6/30/2003 for
W FK DAIRY CR > DAIRY CR - AT MOUTH

Watershed ID #: 178 Basin: WILLAMETTE Exceedance Level: 80
Time: 14:37 Date: 06/30/2003

| Mnth | Limiting Watershed | Stream Name | Water Net Water Avail? | Water Available |
|------|--------------------|-------------|------------------------|-----------------|
|------|--------------------|-------------|------------------------|-----------------|

| | | | | |
|------|-----|--------------------------------------|-----|---------|
| 1 | 178 | W FK DAIRY CR > DAIRY CR - AT MOUTH | YES | 91.5 |
| 2 | 178 | W FK DAIRY CR > DAIRY CR - AT MOUTH | YES | 138.0 |
| 3 | 178 | W FK DAIRY CR > DAIRY CR - AT MOUTH | YES | 109.0 |
| 4 | 178 | W FK DAIRY CR > DAIRY CR - AT MOUTH | YES | 45.3 |
| 5 | 178 | W FK DAIRY CR > DAIRY CR - AT MOUTH | NO | -13.3 |
| 6 | 175 | TUALATIN R > WILLAMETTE R - AT MOUTH | NO | -127.0 |
| 7 | 175 | TUALATIN R > WILLAMETTE R - AT MOUTH | NO | -241.0 |
| 8 | 175 | TUALATIN R > WILLAMETTE R - AT MOUTH | NO | -242.0 |
| 9 | 175 | TUALATIN R > WILLAMETTE R - AT MOUTH | NO | -201.0 |
| 10 | 175 | TUALATIN R > WILLAMETTE R - AT MOUTH | NO | -92.7 |
| 11 | 175 | TUALATIN R > WILLAMETTE R - AT MOUTH | NO | -160.0 |
| 12 | 178 | W FK DAIRY CR > DAIRY CR - AT MOUTH | YES | 34.1 |
| Stor | 178 | W FK DAIRY CR > DAIRY CR - AT MOUTH | YES | 83200.0 |

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION

Water Availability as of 6/30/2003 for

WILLAMETTE R > COLUMBIA R - AT MOUTH

Watershed ID #:

181

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| 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 | 27500.00 | 1960.00 | 342.00 | 25200.00 | 0.00 | 1500.00 | 23700.00 |
| 2 | 30000.00 | 7250.00 | 338.00 | 22400.00 | 0.00 | 1500.00 | 20900.00 |
| 3 | 28500.00 | 6880.00 | 329.00 | 21300.00 | 0.00 | 1500.00 | 19800.00 |
| 4 | 25400.00 | 6590.00 | 316.00 | 18500.00 | 0.00 | 1500.00 | 17000.00 |
| 5 | 20700.00 | 3940.00 | 275.00 | 16500.00 | 0.00 | 1500.00 | 15000.00 |
| 6 | 11000.00 | 1690.00 | 477.00 | 8830.00 | 0.00 | 1500.00 | 7330.00 |
| 7 | 6280.00 | 1660.00 | 451.00 | 4170.00 | 0.00 | 1500.00 | 2670.00 |
| 8 | 4890.00 | 1460.00 | 420.00 | 3010.00 | 0.00 | 1500.00 | 1510.00 |
| 9 | 4930.00 | 1090.00 | 411.00 | 3430.00 | 0.00 | 1500.00 | 1930.00 |
| 10 | 5990.00 | 355.00 | 226.00 | 5410.00 | 0.00 | 1500.00 | 3910.00 |
| 11 | 12700.00 | 502.00 | 279.00 | 11900.00 | 0.00 | 1500.00 | 10400.00 |
| 12 | 24800.00 | 640.00 | 340.00 | 23800.00 | 0.00 | 1500.00 | 22300.00 |
| Stor | 19700000 | 2030000 | 254000 | 17400000 | 0 | 1090000 | 16400000 |

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES

Water Availability as of 6/30/2003 for

WILLAMETTE R > COLUMBIA R - AT MOUTH

Watershed ID #:

181

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| Mo | Storage | Irrig | Munic | Ind/Man | Commer | Domest | Agricul | Other | Total |
|----|---------|--------|--------|---------|--------|--------|---------|-------|---------|
| 1 | 1699.73 | 0.00 | 340.33 | 100.31 | 7.54 | 23.73 | 91.63 | 38.92 | 2300.00 |
| 2 | 6986.42 | 0.00 | 340.33 | 100.31 | 7.54 | 23.73 | 91.63 | 38.92 | 7590.00 |
| 3 | 6593.51 | 6.39 | 340.34 | 100.31 | 7.53 | 23.73 | 94.02 | 41.90 | 7210.00 |
| 4 | 6261.51 | 42.36 | 340.34 | 100.31 | 7.53 | 23.73 | 90.58 | 41.90 | 6910.00 |
| 5 | 3373.78 | 290.48 | 336.48 | 100.30 | 7.38 | 23.73 | 65.26 | 21.36 | 4220.00 |
| 6 | 442.10 | 581.33 | 927.97 | 100.30 | 7.23 | 23.73 | 64.93 | 20.85 | 2170.00 |
| 7 | 13.92 | 994.91 | 908.63 | 95.02 | 7.23 | 23.73 | 43.08 | 20.57 | 2110.00 |
| 8 | 2.01 | 780.36 | 908.63 | 95.02 | 7.23 | 22.32 | 41.68 | 20.57 | 1880.00 |
| 9 | 0.72 | 385.22 | 907.38 | 100.25 | 7.23 | 22.32 | 55.14 | 20.83 | 1500.00 |
| 10 | 0.38 | 27.53 | 333.37 | 100.30 | 7.23 | 22.33 | 55.78 | 34.58 | 581.00 |
| 11 | 194.68 | 0.00 | 340.33 | 100.30 | 7.53 | 23.73 | 76.59 | 38.01 | 781.00 |
| 12 | 377.73 | 0.00 | 340.33 | 100.31 | 7.54 | 23.73 | 91.24 | 38.92 | 980.00 |

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE

Water Availability as of 6/30/2003 for

WILLAMETTE R > COLUMBIA R - AT MOUTH

Watershed ID #:

181

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| Reservations | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|-------|
| APP # | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TOTAL |
| Status | | | | | | | | | |
| Use | | | | | | | | | |
| 1 | 0.00 | 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 | 0.00 |
| 3 | 0.00 | 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 | 0.00 |
| 5 | 0.00 | 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 | 0.00 |
| 7 | 0.00 | 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 | 0.00 |
| 9 | 0.00 | 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 | 0.00 |
| 11 | 0.00 | 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 | 0.00 |

DETAILED REPORT OF INSTREAM REQUIREMENTS

Water Availability as of 6/30/2003 for

WILLAMETTE R > COLUMBIA R - AT MOUTH

Watershed ID #: 181 Basin: WILLAMETTE Exceedance Level: 80
 Time: 14:37 Date: 06/30/2003

| -----ISWRs----- | | | | | | | | |
|-----------------|---------|------|------|------|------|------|------|---------|
| APP # | 181A | 0 | 0 | 0 | 0 | 0 | 0 | MAXIMUM |
| Status | Cert. | | | | | | | |
| 1 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1500.00 |
| 2 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1500.00 |
| 3 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1500.00 |
| 4 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1500.00 |
| 5 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1500.00 |
| 6 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1500.00 |
| 7 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1500.00 |
| 8 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1500.00 |
| 9 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1500.00 |
| 10 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1500.00 |
| 11 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1500.00 |
| 12 | 1500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1500.00 |

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION

Water Availability as of 6/30/2003 for
 TUALATIN R > WILLAMETTE R - AT MOUTH

Watershed ID #: 175 Basin: WILLAMETTE Exceedance Level: 80
 Time: 14:37 Date: 06/30/2003

| Month | Natural | CU + Stor | CU + Stor | Expected | Reserved | Instream | Net |
|-------|---------|-----------|-----------|----------|----------|----------|-----------|
| | Stream | Prior to | After | Stream | Stream | Water | Water |
| | Flow | 1/1/93 | 1/1/93 | Flow | Flow | Rights | Available |
| 1 | 1290.00 | 153.00 | 37.30 | 1100.00 | 0.00 | 250.00 | 849.00 |
| 2 | 1640.00 | 220.00 | 38.00 | 1380.00 | 0.00 | 250.00 | 1130.00 |
| 3 | 1300.00 | 121.00 | 35.40 | 1140.00 | 0.00 | 250.00 | 894.00 |
| 4 | 834.00 | 88.90 | 34.00 | 711.00 | 0.00 | 250.00 | 461.00 |
| 5 | 407.00 | 107.00 | 14.30 | 286.00 | 0.00 | 250.00 | 35.90 |
| 6 | 191.00 | 174.00 | 14.00 | 2.80 | 0.00 | 130.00 | -127.00 |
| 7 | 90.30 | 217.00 | 14.30 | -141.00 | 0.00 | 100.00 | -241.00 |
| 8 | 68.60 | 197.00 | 13.70 | -142.00 | 0.00 | 100.00 | -242.00 |
| 9 | 46.80 | 140.00 | 13.10 | -106.00 | 0.00 | 94.50 | -201.00 |
| 10 | 52.00 | 32.90 | 11.70 | 7.33 | 0.00 | 100.00 | -92.70 |
| 11 | 183.00 | 75.30 | 17.90 | 89.80 | 0.00 | 250.00 | -160.00 |
| 12 | 968.00 | 156.00 | 37.30 | 775.00 | 0.00 | 250.00 | 525.00 |
| Stor | 913000 | 101000 | 16900 | 810000 | 0 | 137000 | 695000 |

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES

Water Availability as of 6/30/2003 for

TUALATIN R > WILLAMETTE R - AT MOUTH

Watershed ID #:

175

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| Mo | Storage | Irrig | Munic | Ind/Man | Commer | Domest | Agricul | Other | Total |
|----|---------|--------|-------|---------|--------|--------|---------|-------|--------|
| 1 | 129.00 | 0.00 | 25.30 | 3.51 | 0.10 | 2.80 | 17.90 | 11.90 | 191.00 |
| 2 | 196.66 | 0.00 | 25.27 | 3.51 | 0.10 | 2.80 | 17.92 | 11.90 | 258.00 |
| 3 | 94.19 | 0.06 | 25.27 | 3.51 | 0.10 | 2.80 | 18.27 | 11.90 | 156.00 |
| 4 | 59.74 | 1.31 | 25.27 | 3.51 | 0.10 | 2.80 | 18.27 | 11.90 | 123.00 |
| 5 | 0.48 | 75.47 | 25.27 | 3.51 | 0.10 | 2.80 | 2.43 | 11.01 | 121.00 |
| 6 | 0.00 | 95.66 | 75.80 | 0.50 | 0.10 | 2.80 | 2.33 | 11.01 | 188.00 |
| 7 | 0.00 | 136.13 | 75.80 | 3.51 | 0.10 | 2.80 | 2.25 | 11.01 | 232.00 |
| 8 | 0.00 | 115.22 | 75.80 | 3.51 | 0.10 | 2.80 | 2.25 | 11.01 | 211.00 |
| 9 | 0.00 | 57.46 | 75.80 | 3.51 | 0.10 | 2.80 | 2.25 | 11.01 | 153.00 |
| 10 | 0.53 | 0.03 | 25.27 | 3.51 | 0.10 | 2.80 | 1.43 | 11.01 | 44.70 |
| 11 | 43.78 | 0.00 | 25.27 | 3.51 | 0.10 | 2.80 | 6.74 | 11.01 | 93.20 |
| 12 | 131.84 | 0.00 | 25.27 | 3.51 | 0.10 | 2.80 | 17.92 | 11.90 | 193.00 |

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE

Water Availability as of 6/30/2003 for

TUALATIN R > WILLAMETTE R - AT MOUTH

Watershed ID #:

175

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| Reservations | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|-------|
| APP # | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TOTAL |
| Status | | | | | | | | | |
| Use | | | | | | | | | |
| 1 | 0.00 | 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 | 0.00 |
| 3 | 0.00 | 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 | 0.00 |
| 5 | 0.00 | 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 | 0.00 |
| 7 | 0.00 | 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 | 0.00 |
| 9 | 0.00 | 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 | 0.00 |
| 11 | 0.00 | 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 | 0.00 |

DETAILED REPORT OF INSTREAM REQUIREMENTS

Water Availability as of 6/30/2003 for

TUALATIN R > WILLAMETTE R - AT MOUTH

Watershed ID #:

175

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| -----ISWRs----- | | | | | | | | | |
|-----------------|-------|-------|--------|--------|------|------|------|---------|--|
| APP # | 173A | 174A | 175A | 73538A | 0 | 0 | 0 | MAXIMUM | |
| Status | Cert. | App. | App. | Cert. | | | | | |
| 1 | 30.00 | 30.00 | 250.00 | 100.00 | 0.00 | 0.00 | 0.00 | 250.00 | |
| 2 | 30.00 | 30.00 | 250.00 | 100.00 | 0.00 | 0.00 | 0.00 | 250.00 | |
| 3 | 30.00 | 30.00 | 250.00 | 100.00 | 0.00 | 0.00 | 0.00 | 250.00 | |
| 4 | 30.00 | 30.00 | 250.00 | 100.00 | 0.00 | 0.00 | 0.00 | 250.00 | |
| 5 | 30.00 | 30.00 | 250.00 | 100.00 | 0.00 | 0.00 | 0.00 | 250.00 | |
| 6 | 20.00 | 20.00 | 130.00 | 100.00 | 0.00 | 0.00 | 0.00 | 130.00 | |
| 7 | 20.00 | 20.00 | 40.00 | 100.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| 8 | 15.00 | 15.00 | 30.00 | 100.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| 9 | 15.00 | 15.00 | 25.00 | 94.50 | 0.00 | 0.00 | 0.00 | 94.50 | |
| 10 | 30.00 | 30.00 | 90.00 | 100.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| 11 | 30.00 | 30.00 | 250.00 | 100.00 | 0.00 | 0.00 | 0.00 | 250.00 | |
| 12 | 30.00 | 30.00 | 250.00 | 100.00 | 0.00 | 0.00 | 0.00 | 250.00 | |

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION

Water Availability as of 6/30/2003 for

TUALATIN R > WILLAMETTE R - AT GAGE 14207500

Watershed ID #: 30201006

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| Month | Natural | CU + Stor | CU + Stor | Expected | Reserved | Instream | Net |
|-------|---------|-----------|-----------|----------|----------|----------|-----------|
| | Stream | Prior to | After | Stream | Stream | Water | Water |
| | Flow | 1/1/93 | 1/1/93 | Flow | Flow | Rights | Available |
| 1 | 1290.00 | 152.00 | 37.10 | 1100.00 | 0.00 | 250.00 | 851.00 |
| 2 | 1640.00 | 219.00 | 37.90 | 1380.00 | 0.00 | 250.00 | 1130.00 |
| 3 | 1300.00 | 120.00 | 35.30 | 1150.00 | 0.00 | 250.00 | 895.00 |
| 4 | 833.00 | 87.90 | 33.90 | 711.00 | 0.00 | 250.00 | 461.00 |
| 5 | 407.00 | 106.00 | 14.20 | 287.00 | 0.00 | 250.00 | 37.30 |
| 6 | 191.00 | 174.00 | 13.90 | 3.38 | 0.00 | 130.00 | -127.00 |
| 7 | 90.30 | 216.00 | 14.30 | -140.00 | 0.00 | 100.00 | -240.00 |
| 8 | 68.60 | 196.00 | 13.70 | -141.00 | 0.00 | 100.00 | -241.00 |
| 9 | 46.80 | 139.00 | 13.10 | -105.00 | 0.00 | 94.50 | -199.00 |
| 10 | 52.00 | 32.00 | 11.70 | 8.25 | 0.00 | 100.00 | -91.70 |

| | | | | | | | |
|-------|--------|--------|-------|--------|------|--------|---------|
| \| 11 \| | 183.00\| | 74.30\| | 17.90\| | 90.80\| | 0.00\| | 250.00\| | -159.00\| |
| \| 12 \| | 967.00\| | 155.00\| | 37.20\| | 775.00\| | 0.00\| | 250.00\| | 525.00\| |
| \| Stor \| | 913000\| | 100000\| | 16900\| | 811000\| | 0\| | 137000\| | 695000\| |
| ----- | | | | | | | |

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES

Water Availability as of 6/30/2003 for

TUALATIN R > WILLAMETTE R - AT GAGE 14207500

Watershed ID #: 30201006

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| Mo\| | Storage | Irrig | Munic | Ind/Man | Commer | Domest | Agricul | Other | Total |
|-------|---------|--------|-------|---------|--------|--------|---------|-------|--------|
| \| 1 \| | 129.00\| | 0.00\| | 25.30\| | 2.59\| | 0.10\| | 2.64\| | 18.10\| | 11.90\| | 190.00\| |
| \| 2 \| | 196.24\| | 0.00\| | 25.27\| | 2.59\| | 0.10\| | 2.64\| | 18.09\| | 11.90\| | 257.00\| |
| \| 3 \| | 93.90\| | 0.05\| | 25.27\| | 2.59\| | 0.10\| | 2.64\| | 18.44\| | 11.90\| | 155.00\| |
| \| 4 \| | 59.57\| | 1.27\| | 25.27\| | 2.59\| | 0.10\| | 2.64\| | 18.44\| | 11.90\| | 122.00\| |
| \| 5 \| | 0.47\| | 75.00\| | 25.27\| | 2.59\| | 0.10\| | 2.64\| | 2.60\| | 11.01\| | 120.00\| |
| \| 6 \| | 0.00\| | 95.07\| | 75.80\| | 0.50\| | 0.10\| | 2.64\| | 2.49\| | 11.01\| | 188.00\| |
| \| 7 \| | 0.00\| | 135.51\| | 75.80\| | 2.59\| | 0.10\| | 2.64\| | 2.42\| | 11.01\| | 230.00\| |
| \| 8 \| | 0.00\| | 114.69\| | 75.80\| | 2.59\| | 0.10\| | 2.64\| | 2.42\| | 11.01\| | 209.00\| |
| \| 9 \| | 0.00\| | 57.20\| | 75.80\| | 2.59\| | 0.10\| | 2.64\| | 2.42\| | 11.01\| | 152.00\| |
| \| 10 \| | 0.52\| | 0.03\| | 25.27\| | 2.59\| | 0.10\| | 2.64\| | 1.59\| | 11.01\| | 43.70\| |
| \| 11 \| | 43.72\| | 0.00\| | 25.27\| | 2.59\| | 0.10\| | 2.64\| | 6.90\| | 11.01\| | 92.20\| |
| \| 12 \| | 131.47\| | 0.00\| | 25.27\| | 2.59\| | 0.10\| | 2.64\| | 18.09\| | 11.90\| | 192.00\| |
| ----- | | | | | | | | | |

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE

Water Availability as of 6/30/2003 for

TUALATIN R > WILLAMETTE R - AT GAGE 14207500

Watershed ID #: 30201006

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| -----Reservations----- | | | | | | | | | |
|------------------------|------|------|------|------|------|------|------|------|-------|
| APP # \| | 0 \| | 0 \| | 0 \| | 0 \| | 0 \| | 0 \| | 0 \| | 0 \| | TOTAL |
| ----- | | | | | | | | | |
| Status \| | \| | \| | \| | \| | \| | \| | \| | \| | \| |
| Use \| | \| | \| | \| | \| | \| | \| | \| | \| | \| |
| ----- | | | | | | | | | |
| \| 1 \| | 0.00\| | 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\| | 0.00\| |
| \| 3 \| | 0.00\| | 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\| | 0.00\| |
| \| 5 \| | 0.00\| | 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\| | 0.00\| |
| \| 7 \| | 0.00\| | 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 6/30/2003 for

TUALATIN R > WILLAMETTE R - AT GAGE 14207500

Watershed ID #: 30201006

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| -----ISWRs----- | | | | | | | | | |
|-----------------|-------|-------|--------|--------|------|------|------|---------|--|
| APP #\| | 173B\| | 174B\| | 175B\| | 73538B\| | 0 \| | 0 \| | 0 \| | MAXIMUM\| |  |
| Status\| | Cert. \| | App. \| | App. \| | Cert. \| | \| | \| | \| | \| |  |
| \| 1 \| | 30.00\| | 30.00\| | 250.00\| | 100.00\| | 0.00\| | 0.00\| | 0.00\| | 250.00\| |  |
| \| 2 \| | 30.00\| | 30.00\| | 250.00\| | 100.00\| | 0.00\| | 0.00\| | 0.00\| | 250.00\| |  |
| \| 3 \| | 30.00\| | 30.00\| | 250.00\| | 100.00\| | 0.00\| | 0.00\| | 0.00\| | 250.00\| |  |
| \| 4 \| | 30.00\| | 30.00\| | 250.00\| | 100.00\| | 0.00\| | 0.00\| | 0.00\| | 250.00\| |  |
| \| 5 \| | 30.00\| | 30.00\| | 250.00\| | 100.00\| | 0.00\| | 0.00\| | 0.00\| | 250.00\| |  |
| \| 6 \| | 20.00\| | 20.00\| | 130.00\| | 100.00\| | 0.00\| | 0.00\| | 0.00\| | 130.00\| |  |
| \| 7 \| | 20.00\| | 20.00\| | 40.00\| | 100.00\| | 0.00\| | 0.00\| | 0.00\| | 100.00\| |  |
| \| 8 \| | 15.00\| | 15.00\| | 30.00\| | 100.00\| | 0.00\| | 0.00\| | 0.00\| | 100.00\| |  |
| \| 9 \| | 15.00\| | 15.00\| | 25.00\| | 94.50\| | 0.00\| | 0.00\| | 0.00\| | 94.50\| |  |
| \| 10 \| | 30.00\| | 30.00\| | 90.00\| | 100.00\| | 0.00\| | 0.00\| | 0.00\| | 100.00\| |  |
| \| 11 \| | 30.00\| | 30.00\| | 250.00\| | 100.00\| | 0.00\| | 0.00\| | 0.00\| | 250.00\| |  |
| \| 12 \| | 30.00\| | 30.00\| | 250.00\| | 100.00\| | 0.00\| | 0.00\| | 0.00\| | 250.00\| |  |

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION

Water Availability as of 6/30/2003 for

TUALATIN R > WILLAMETTE R - AT GAGE 14206500

Watershed ID #: 30201013

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| Month\| | Natural | CU + Stor | CU + Stor | Expected | Reserved | Instream | Net |
|-------|---------|-----------|-----------|----------|----------|----------|-----------|
| \| | Stream | Prior to | After | Stream | Stream | Water | Water |
| \| | Flow | 1/1/93 | 1/1/93 | Flow | Flow | Rights | Available |
| \| 1 \| | 1090.00\| | 131.00\| | 28.10\| | 930.00\| | 0.00\| | 75.00\| | 855.00\| |
| \| 2 \| | 1420.00\| | 201.00\| | 28.90\| | 1190.00\| | 0.00\| | 91.60\| | 1100.00\| |
| \| 3 \| | 1140.00\| | 101.00\| | 27.70\| | 1010.00\| | 0.00\| | 84.30\| | 927.00\| |
| \| 4 \| | 676.00\| | 70.00\| | 27.40\| | 579.00\| | 0.00\| | 81.90\| | 497.00\| |

| | | | | | | | |
|------|--------|--------|-------|--------|------|-------|---------|
| \| 5 \| | 332.00\| | 73.30\| | 13.40\| | 245.00\| | 0.00\| | 77.10\| | 168.00\| |
| \| 6 \| | 179.00\| | 108.00\| | 13.30\| | 57.40\| | 0.00\| | 82.10\| | -24.70\| |
| \| 7 \| | 80.90\| | 140.00\| | 13.70\| | -72.70\| | 0.00\| | 80.30\| | -153.00\| |
| \| 8 \| | 44.30\| | 124.00\| | 13.20\| | -92.70\| | 0.00\| | 86.80\| | -180.00\| |
| \| 9 \| | 54.20\| | 78.70\| | 12.80\| | -37.30\| | 0.00\| | 78.10\| | -115.00\| |
| \| 10 \| | 69.40\| | 15.10\| | 11.60\| | 42.70\| | 0.00\| | 91.40\| | -48.70\| |
| \| 11 \| | 160.00\| | 57.40\| | 13.70\| | 88.90\| | 0.00\| | 93.60\| | -4.69\| |
| \| 12 \| | 758.00\| | 135.00\| | 28.70\| | 594.00\| | 0.00\| | 79.80\| | 514.00\| |
| \| Stor \| | 751000\| | 74300\| | 14000\| | 669000\| | 0\| | 60400\| | 624000\| |

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES

Water Availability as of 6/30/2003 for

TUALATIN R > WILLAMETTE R - AT GAGE 14206500

Watershed ID #: 30201013

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| Mo\| | Storage | Irrig | Munic | Ind/Man | Commer | Domest | Agricul | Other | Total |
|----|---------|--------|-------|---------|--------|--------|---------|-------|--------|
| \| 1 \| | 120.00\| | 0.00\| | 9.60\| | 2.28\| | 0.10\| | 1.97\| | 13.70\| | 11.90\| | 160.00\| |
| \| 2 \| | 190.49\| | 0.00\| | 9.60\| | 2.28\| | 0.10\| | 1.97\| | 13.70\| | 11.90\| | 230.00\| |
| \| 3 \| | 89.06\| | 0.04\| | 9.60\| | 2.28\| | 0.10\| | 1.97\| | 13.94\| | 11.90\| | 129.00\| |
| \| 4 \| | 56.64\| | 1.00\| | 9.60\| | 2.28\| | 0.10\| | 1.97\| | 13.94\| | 11.90\| | 97.40\| |
| \| 5 \| | 0.22\| | 59.37\| | 9.60\| | 2.28\| | 0.10\| | 1.97\| | 2.14\| | 11.01\| | 86.70\| |
| \| 6 \| | 0.00\| | 75.26\| | 28.80\| | 2.28\| | 0.10\| | 1.97\| | 2.14\| | 11.01\| | 122.00\| |
| \| 7 \| | 0.00\| | 107.26\| | 28.80\| | 2.28\| | 0.10\| | 1.97\| | 2.14\| | 11.01\| | 154.00\| |
| \| 8 \| | 0.00\| | 90.72\| | 28.80\| | 2.28\| | 0.10\| | 1.97\| | 2.14\| | 11.01\| | 137.00\| |
| \| 9 \| | 0.00\| | 45.24\| | 28.80\| | 2.28\| | 0.10\| | 1.97\| | 2.14\| | 11.01\| | 91.50\| |
| \| 10 \| | 0.49\| | 0.02\| | 9.60\| | 2.28\| | 0.10\| | 1.97\| | 1.24\| | 11.01\| | 26.70\| |
| \| 11 \| | 43.07\| | 0.00\| | 9.60\| | 2.28\| | 0.10\| | 1.97\| | 3.07\| | 11.01\| | 71.10\| |
| \| 12 \| | 124.65\| | 0.00\| | 9.60\| | 2.28\| | 0.10\| | 1.97\| | 13.70\| | 11.90\| | 164.00\| |

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE

Water Availability as of 6/30/2003 for

TUALATIN R > WILLAMETTE R - AT GAGE 14206500

Watershed ID #: 30201013

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| Reservations | | | | | | | | |
|--------------|------|------|------|------|------|------|------|-------|
| APP # \| | 0 \| | 0 \| | 0 \| | 0 \| | 0 \| | 0 \| | 0 \| | TOTAL |
| \| Status \| | \| | \| | \| | \| | \| | \| | \| | \| |
| \| Use \| | \| | \| | \| | \| | \| | \| | \| | \| |
| \| 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\| | 0.00\| |
| \| 3 \| | 0.00\| | 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\| | 0.00\| |
| \| 5 \| | 0.00\| | 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\| | 0.00\| |
| \| 7 \| | 0.00\| | 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\| | 0.00\| |
| \| 9 \| | 0.00\| | 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\| | 0.00\| |
| \| 11 \| | 0.00\| | 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\| | 0.00\| |

DETAILED REPORT OF INSTREAM REQUIREMENTS
 Water Availability as of 6/30/2003 for
 TUALATIN R > WILLAMETTE R - AT GAGE 14206500

Watershed ID #: 30201013
 Time: 14:37

Basin: WILLAMETTE

Exceedance Level: 80

Date: 06/30/2003

| -----ISWRs----- | | | | | | | | | |
|-----------------|--------|--------|--------|--------|------|------|------|---------|--|
| APP #\| | 73538C\| | 73539A\| | 73540A\| | 73541A\| | 0 \| | 0 \| | 0 \| | MAXIMUM\| |  |
| Status\| | Cert. \| | Cert. \| | Cert. \| | Cert. \| | \| | \| | \| |  |  |
| \| 1 \| | 73.70\| | 75.00\| | 25.00\| | 30.00\| | 0.00\| | 0.00\| | 0.00\| | 75.00\| |  |
| \| 2 \| | 91.60\| | 75.00\| | 25.00\| | 30.00\| | 0.00\| | 0.00\| | 0.00\| | 91.60\| |  |
| \| 3 \| | 84.30\| | 75.00\| | 25.00\| | 30.00\| | 0.00\| | 0.00\| | 0.00\| | 84.30\| |  |
| \| 4 \| | 81.90\| | 75.00\| | 25.00\| | 30.00\| | 0.00\| | 0.00\| | 0.00\| | 81.90\| |  |
| \| 5 \| | 77.10\| | 75.00\| | 25.00\| | 30.00\| | 0.00\| | 0.00\| | 0.00\| | 77.10\| |  |
| \| 6 \| | 82.10\| | 75.00\| | 25.00\| | 30.00\| | 0.00\| | 0.00\| | 0.00\| | 82.10\| |  |
| \| 7 \| | 80.30\| | 75.00\| | 25.00\| | 30.00\| | 0.00\| | 0.00\| | 0.00\| | 80.30\| |  |
| \| 8 \| | 86.80\| | 75.00\| | 25.00\| | 30.00\| | 0.00\| | 0.00\| | 0.00\| | 86.80\| |  |
| \| 9 \| | 78.10\| | 75.00\| | 25.00\| | 30.00\| | 0.00\| | 0.00\| | 0.00\| | 78.10\| |  |
| \| 10 \| | 91.40\| | 75.00\| | 25.00\| | 30.00\| | 0.00\| | 0.00\| | 0.00\| | 91.40\| |  |
| \| 11 \| | 93.60\| | 75.00\| | 25.00\| | 30.00\| | 0.00\| | 0.00\| | 0.00\| | 93.60\| |  |
| \| 12 \| | 79.80\| | 75.00\| | 25.00\| | 30.00\| | 0.00\| | 0.00\| | 0.00\| | 79.80\| |  |

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION

Water Availability as of 6/30/2003 for

DAIRY CR > TUALATIN R - AT MOUTH

Watershed ID #: 30201002
 Time: 14:37

Basin: WILLAMETTE

Exceedance Level: 80

Date: 06/30/2003

| Month\| | Natural | \|CU + Stor\| | \|CU + Stor\| | \|Expected | \|Reserved | \|Instream | \|Net |
|-------|---------|-----------|-----------|----------|----------|----------|-------|
| \| | \|Stream | \|Prior to | \|After | \|Stream | \|Stream | \|Water | \|Water |

| | Flow | 1/1/93 | 1/1/93 | Flow | Flow | Rights | Available |
|------|--------|--------|--------|--------|------|--------|-----------|
| 1 | 390.00 | 6.07 | 21.00 | 363.00 | 0.00 | 10.00 | 353.00 |
| 2 | 512.00 | 7.48 | 21.10 | 483.00 | 0.00 | 10.00 | 473.00 |
| 3 | 417.00 | 5.31 | 20.90 | 391.00 | 0.00 | 10.00 | 381.00 |
| 4 | 245.00 | 3.87 | 20.80 | 220.00 | 0.00 | 10.00 | 210.00 |
| 5 | 116.00 | 29.60 | 12.90 | 73.50 | 0.00 | 10.00 | 63.50 |
| 6 | 61.40 | 37.10 | 13.00 | 11.30 | 0.00 | 10.00 | 1.33 |
| 7 | 26.10 | 51.90 | 13.20 | -39.10 | 0.00 | 10.00 | -49.10 |
| 8 | 21.20 | 44.40 | 12.80 | -36.00 | 0.00 | 10.00 | -46.00 |
| 9 | 20.60 | 23.20 | 12.60 | -15.20 | 0.00 | 10.00 | -25.20 |
| 10 | 26.40 | 2.16 | 11.60 | 12.70 | 0.00 | 10.00 | 2.67 |
| 11 | 36.70 | 2.50 | 11.60 | 22.60 | 0.00 | 10.00 | 12.60 |
| 12 | 239.00 | 5.93 | 20.90 | 212.00 | 0.00 | 10.00 | 202.00 |
| Stor | 278000 | 13300 | 11600 | 256000 | 0 | 7240 | 251000 |

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES

Water Availability as of 6/30/2003 for

DAIRY CR > TUALATIN R - AT MOUTH

Watershed ID #: 30201002

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| Mo | Storage | Irrig | Munic | Ind/Man | Commer | Domest | Agricul | Other | Total |
|----|---------|-------|-------|---------|--------|--------|---------|-------|-------|
| 1 | 4.54 | 0.00 | 0.06 | 0.61 | 0.09 | 1.20 | 8.61 | 11.90 | 27.00 |
| 2 | 6.11 | 0.00 | 0.06 | 0.61 | 0.09 | 1.20 | 8.61 | 11.90 | 28.60 |
| 3 | 3.69 | 0.00 | 0.06 | 0.61 | 0.09 | 1.20 | 8.61 | 11.90 | 26.20 |
| 4 | 2.04 | 0.10 | 0.06 | 0.61 | 0.09 | 1.20 | 8.61 | 11.90 | 24.60 |
| 5 | 0.02 | 28.01 | 0.06 | 0.61 | 0.09 | 1.20 | 1.46 | 11.01 | 42.50 |
| 6 | 0.00 | 35.50 | 0.19 | 0.61 | 0.09 | 1.20 | 1.46 | 11.01 | 50.10 |
| 7 | 0.00 | 50.60 | 0.19 | 0.61 | 0.09 | 1.20 | 1.46 | 11.01 | 65.20 |
| 8 | 0.00 | 42.63 | 0.19 | 0.61 | 0.09 | 1.20 | 1.46 | 11.01 | 57.20 |
| 9 | 0.00 | 21.26 | 0.19 | 0.61 | 0.09 | 1.20 | 1.46 | 11.01 | 35.80 |
| 10 | 0.18 | 0.01 | 0.06 | 0.61 | 0.09 | 1.20 | 0.56 | 11.01 | 13.70 |
| 11 | 0.55 | 0.00 | 0.06 | 0.61 | 0.09 | 1.20 | 0.57 | 11.01 | 14.10 |
| 12 | 4.39 | 0.00 | 0.06 | 0.61 | 0.09 | 1.20 | 8.61 | 11.90 | 26.90 |

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE

Water Availability as of 6/30/2003 for

DAIRY CR > TUALATIN R - AT MOUTH

Watershed ID #: 30201002

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

-----Reservations-----

| APP # | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TOTAL |
|--------|------|------|------|------|------|------|------|-------|
| Status | | | | | | | | |
| Use | | | | | | | | |
| 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 6/30/2003 for

DAIRY CR > TUALATIN R - AT MOUTH

Watershed ID #: 30201002

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| -----ISWRs----- | | | | | | | | |
|-----------------|--------|------|------|------|------|------|------|---------|
| APP # | 73542A | 0 | 0 | 0 | 0 | 0 | 0 | MAXIMUM |
| Status | Cert. | | | | | | | |
| 1 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 |
| 2 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 |
| 3 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 |
| 4 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 |
| 5 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 |
| 6 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 |
| 7 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 |
| 8 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 |
| 9 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 |
| 10 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 |
| 11 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 |
| 12 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 |

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION

Water Availability as of 6/30/2003 for

W FK DAIRY CR > DAIRY CR - AT MOUTH
 Watershed ID #: 178 Basin: WILLAMETTE Exceedance Level: 80
 Time: 14:37 Date: 06/30/2003

| 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 | 136.00 | 2.30 | 12.20 | 122.00 | 0.00 | 30.00 | 91.50 |
| 2 | 183.00 | 3.01 | 12.30 | 168.00 | 0.00 | 30.00 | 138.00 |
| 3 | 153.00 | 2.05 | 12.10 | 139.00 | 0.00 | 30.00 | 109.00 |
| 4 | 88.90 | 1.52 | 12.00 | 75.30 | 0.00 | 30.00 | 45.30 |
| 5 | 35.90 | 8.23 | 11.00 | 16.70 | 0.00 | 30.00 | -13.30 |
| 6 | 17.20 | 10.30 | 11.00 | -4.14 | 0.00 | 10.00 | -14.10 |
| 7 | 5.34 | 14.30 | 11.00 | -20.00 | 0.00 | 3.00 | -23.00 |
| 8 | 4.03 | 12.30 | 11.00 | -19.30 | 0.00 | 2.00 | -21.30 |
| 9 | 4.21 | 6.61 | 11.00 | -13.40 | 0.00 | 2.00 | -15.40 |
| 10 | 5.68 | 0.86 | 11.00 | -6.18 | 0.00 | 10.00 | -16.20 |
| 11 | 5.26 | 0.90 | 11.00 | -6.64 | 0.00 | 30.00 | -36.60 |
| 12 | 78.60 | 2.31 | 12.20 | 64.10 | 0.00 | 30.00 | 34.10 |
| Stor | 104000 | 3930 | 8320 | 94400 | 0 | 14300 | 83200 |

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES

Water Availability as of 6/30/2003 for

W FK DAIRY CR > DAIRY CR - AT MOUTH

Watershed ID #: 178 Basin: WILLAMETTE Exceedance Level: 80
 Time: 14:37 Date: 06/30/2003

| Mo | Storage | Irrig | Munic | Ind/Man | Commer | Domest | Agricul | Other | Total |
|----|---------|-------|-------|---------|--------|--------|---------|-------|-------|
| 1 | 1.67 | 0.00 | 0.06 | 0.41 | 0.00 | 0.30 | 0.14 | 11.90 | 14.50 |
| 2 | 2.48 | 0.00 | 0.06 | 0.41 | 0.00 | 0.30 | 0.14 | 11.89 | 15.30 |
| 3 | 1.39 | 0.00 | 0.06 | 0.41 | 0.00 | 0.30 | 0.14 | 11.89 | 14.20 |
| 4 | 0.75 | 0.00 | 0.06 | 0.41 | 0.00 | 0.30 | 0.14 | 11.89 | 13.60 |
| 5 | 0.00 | 7.42 | 0.06 | 0.41 | 0.00 | 0.30 | 0.03 | 11.00 | 19.20 |
| 6 | 0.00 | 9.41 | 0.19 | 0.41 | 0.00 | 0.30 | 0.03 | 11.00 | 21.30 |
| 7 | 0.00 | 13.41 | 0.19 | 0.41 | 0.00 | 0.30 | 0.03 | 11.00 | 25.30 |
| 8 | 0.00 | 11.38 | 0.19 | 0.41 | 0.00 | 0.30 | 0.03 | 11.00 | 23.30 |
| 9 | 0.00 | 5.68 | 0.19 | 0.41 | 0.00 | 0.30 | 0.03 | 11.00 | 17.60 |
| 10 | 0.05 | 0.00 | 0.06 | 0.41 | 0.00 | 0.30 | 0.03 | 11.00 | 11.90 |
| 11 | 0.09 | 0.00 | 0.06 | 0.41 | 0.00 | 0.30 | 0.03 | 11.00 | 11.90 |
| 12 | 1.69 | 0.00 | 0.06 | 0.41 | 0.00 | 0.30 | 0.14 | 11.89 | 14.50 |

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE

Water Availability as of 6/30/2003 for

W FK DAIRY CR > DAIRY CR - AT MOUTH

Watershed ID #:

178

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| -----Reservations----- | | | | | | | | | |
|------------------------|------|------|------|------|------|------|------|------|-------|
| APP # | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TOTAL |
| Status | | | | | | | | | |
| Use | | | | | | | | | |
| 1 | 0.00 | 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 | 0.00 |
| 3 | 0.00 | 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 | 0.00 |
| 5 | 0.00 | 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 | 0.00 |
| 7 | 0.00 | 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 | 0.00 |
| 9 | 0.00 | 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 | 0.00 |
| 11 | 0.00 | 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 | 0.00 |

DETAILED REPORT OF INSTREAM REQUIREMENTS

Water Availability as of 6/30/2003 for

W FK DAIRY CR > DAIRY CR - AT MOUTH

Watershed ID #:

178

Basin: WILLAMETTE

Exceedance Level: 80

Time: 14:37

Date: 06/30/2003

| -----ISWRs----- | | | | | | | | | |
|-----------------|-------|------|------|------|------|------|------|------|---------|
| APP # | 178A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | MAXIMUM |
| Status | Cert. | | | | | | | | |
| 1 | 30.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.00 |
| 2 | 30.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.00 |
| 3 | 30.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.00 |
| 4 | 30.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.00 |
| 5 | 30.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.00 |
| 6 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 |
| 7 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 |
| 8 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 |
| 9 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 |
| 10 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 |
| 11 | 30.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.00 |
| 12 | 30.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.00 |



State of Oregon
Water Resources Department
158 12th Street NE, Salem, OR 97301-4172
503-378-8455
<http://www.wrd.state.or.us>

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WATER RESOURCES DEPT
SALEM, OREGON

GW-1 Feb. 24 1999

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. Thank you.

1. APPLICANT INFORMATION

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SALEM, OREGON

A. Individuals

Applicant: N/A
First Last

Co-applicant: _____
First Last

Mailing address: _____
City State Zip

Phone: _____
Home Work Other

*Fax: _____ *E-Mail address: _____

B. Organizations

(Corporations, associations, firms, partnerships, joint stock companies, cooperatives, public and municipal corporations)

Name of organization: CITY OF BANKS

Name and title of person applying: Robert Orłowski Mayor

Mailing address of organization: 100 S. MAIN ST.

BANKS OR 97106
City State Zip

Phone: 503-324-5112
Day Evening

*Fax: 503-324-6674 *E-Mail address: _____

*Optional information

Robert.C.ORLOWSKI@tek.com

For Department Use

App. No. G 15887

Permit No. _____

Date: _____

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SALEM, OREGON

2. PROPERTY OWNERSHIP

Do you own all the land where you propose to divert, transport, and use water?

☒ Yes (Skip to section 3 "Ground water Development.")

☒ No Please check the appropriate box below.

☐ I have a recorded easement or written authorization permitting access.

☒ I do not currently have written authorization or easement permitting access.

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SALEM, OREGON

List the names and mailing addresses of all affected landowners.*

THE CITY OF BANKS IS CURRENTLY REVIEWING FIVE POTENTIAL
SITES FOR A SINGLE NEW WELL. (SEE ATTACHED MAP.)
SITES 1 AND 4 ARE CITY OWNED.
SITES 2, 3 AND 5 ARE OWNED BY PRIVATE INTERESTS, AND
THE CITY HAS NOT CONTACTED AT THIS POINT.

*If more than 25 landowners are involved, a list is not required. See instructions.

3. GROUND WATER DEVELOPMENT

A. Number of well(s): 1 B. Name of nearest surface water body: DAIRY CREEK, UNNAMED DRAINAGES

C. Distance from well(s) to nearest stream or lake: 1) 1400' TO DAIRY CREEK

2) 1100' TO UNNAMED DRAINAGE 3) 875' TO UNNAMED 4) 50' TO UNNAMED
5) 500' TO UNNAMED

D. If distance from surface water is less than one mile, indicate elevation difference between nearest surface water and well head. 1) WELL @ 390' CREEK @ 200'

2) WELL = 200' DRAINAGE = 190' 3) WELL = 200' DRAINAGE = 200' 4) WELL = 230' DRAINAGE = 220'
5) WELL = 210', DRAINAGE = 190'

E. Well Characteristics

Wells must be constructed according to standards set by the Department for the construction and maintenance of water wells. If the well is already constructed, please enclose a copy of the well constructor's log and the well ID number, if available, for each well with this application. Identify each well with a number corresponding to the wells designated on the map and proceed to question F in this section of the form. If the well has not been constructed, or if you do not have a well log, please complete the following:

Well(s) will be constructed by: NOT KNOWN AT THIS TIME, CITY WILL USE

Address: COMPETITIVE BIDDING PROCESS.

Completion date: DATE IS FUNDING DEPENDENT, PLANS ARE TO BE COMPLETED WITH-IN FIVE YEARS.

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2. Please provide a description of your well development. (Attach additional sheets if needed.)

| Well No. | Diameter | Type and size of casing | No. of feet of casing | Intervals casing is perforated (in feet) | Seal depth | Est. depth to water | Est. depth to water bearing stratum | Type of access port or measuring device | Total well depth |
|----------|----------|-------------------------|-----------------------|--|------------|---------------------|-------------------------------------|---|------------------|
| | | | | | | | | | |

Well has not been constructed. The well will be designed and constructed to meet all pertinent regulations and standards including ORS, OAR, OHD, AWWA, APWA. The City is aware that the well locations are close to surface water, and there is a potential for substantial interference. The well construction will include a casing/seal to sufficient depth to meet required construction standards to reduce risk of interference.

The likely design for each well is approximately to drill 16" to 400', then install 12" casing and grout seal, drill 12" to 800', install 10" perforated casing. Water will be first found 80' to 120' below surface with water bearing at 400' to 700' below surface.

Note: Well numbers in this listing must correspond to well location(s) shown on accompanying map.

F. Artesian Flows

If your water well is flowing artesian, describe your water control and conservation works:

NOT ANTICIPATED, WELL LOGS DO NOT INDICATE ARTESIAN WELLS
IN THIS AREA.

4. WATER USE

Please read the instruction booklet for more details on "type of use" definitions, how to express how much water you need and how to identify the water source you propose to use. You must fill out a supplemental form for some uses as they require specific information for that type of use.

A. Type(s) of Use(s)

See list of beneficial uses provided in the instructions.

- If your proposed use is **domestic**, indicate the number of households to be supplied with water: _____
- If your proposed use is **irrigation**, please attach Form I
- If your proposed use is **mining**, attach Form R
- If your proposed use is **municipal or quasi-municipal**, attach Form M
- If your proposed use is **commercial/industrial**, attach Form Q

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SALEM, OREGON

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) |
|----------|-----------------------|-------------|--|------------------------------------|----------------------------------|
| 1-5 | COLUMBIA RIVER BASALT | MUNICIPAL | 450 | 30 MG | 450 |
| | | | | | |
| | | | | | |
| | | | | | |

C. Maximum Rate of Use Requested

What is the maximum, instantaneous rate of water that will be used? 1 cfs ~ 450 gpm
(The fees for your application will be based on this amount.)

D. Period of Use

Indicate the time of year you propose to use the water: ANYTIME
(For seasonal uses like irrigation give dates when water use would begin and end, e.g. March 1–October 31.)

E. Acreage

If you will be applying water to land, please give the total number of acres where water will be applied or used: NA
(This number should be consistent with you application map.)

5. WATER MANAGEMENT

A. Diversion

What equipment will you use to pump water from your well(s)?

- ☒ Pump (give horsepower and pump type) TO BE DETERMINED.
☐ Other means (describe) _____

B. Transport

How will you transport water to your place of use?

- ☐ Ditch or canal (give average width and depth)
Width _____ Depth _____
Is the ditch or canal to be lined? ☐ Yes ☐ No
- ☒ Pipe (give diameter and total length) MUNICIPAL SYSTEM
Diameter _____ Length _____
- ☐ Other (describe) _____

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C. Application/Distribution Method

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

Irrigation or land application method (check all that apply):

- | | | |
|--|--|---|
| <input type="checkbox"/> Flood | <input type="checkbox"/> High-pressure sprinkler | <input type="checkbox"/> Low pressure sprinkler |
| <input type="checkbox"/> Drip | <input type="checkbox"/> Water cannons | <input type="checkbox"/> Center pivot system |
| <input type="checkbox"/> Hand lines | <input type="checkbox"/> Wheel lines | |
| <input type="checkbox"/> Siphon tubes or gated pipe with furrows | | |
| <input type="checkbox"/> Other, describe _____ | | |

Distribution method

- ☒ Direct pipe from source ☐ In-line storage (tank or pond) ☐ Open canal

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SALEM, OREGON

D. Conservation

What methods will you use to conserve water? Why did you choose this distribution or application method? For example, if you are using sprinkler irrigation rather than drip irrigation, explain. If you need additional space, attach a separate sheet.

CITY HAS ADOPTED AND APPROVED CONSERVATION AND MANAGEMENT PLAN,
AND IS ACTIVELY MANAGING SYSTEM TO MINIMIZE LOSS.

6. PROJECT SCHEDULE

Indicate the anticipated dates that the following construction tasks should begin. If construction has already begun, or is completed, please indicate that date.

Proposed date construction will begin N/A

Proposed date construction will be completed WITHIN FIVE YEARS.

Proposed date beneficial water use will begin WITHIN FIVE YEARS.

7. REMARKS

If you would like to clarify any information you have provided in the application, please do so here and reference the specific application question you are addressing.

THE CITY CURRENTLY RUNS THE EXISTING WELL UP TO
24 HOURS PER DAY IN SUMMER TO MEET PEAK
DEMAND, AND WILL RUN AT 20 HOURS OR MORE
PER DAY FOR LONG PERIODS. THE REQUIRES AN
ADDITIONAL SOURCE TO INCREASE SYSTEM RELIABILITY.

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SALEM, OREGON

8. MAP REQUIREMENTS

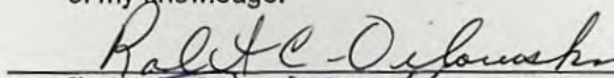
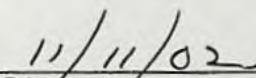
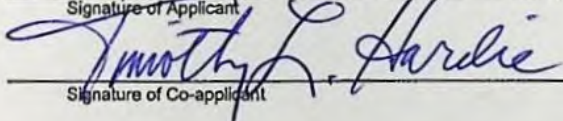
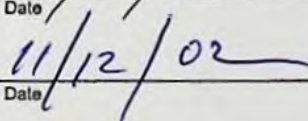
The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter/quarter section of the proposed well location and place 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 to me, I may have to stop using water to allow senior water right holders to get water they are entitled to, and

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

| | |
|--|---|
| 
Signature of Applicant | 
Date |
| 
Signature of Co-applicant | 
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.

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Oregon Water Resources Department

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FORM M

FOR MUNICIPAL AND QUASI MUNICIPAL WATER SUPPLIES

Unless otherwise noted, water use information should be in acre-feet per year (AFY).

1 acre-foot is equal to 325,851 gallons.

Background Information

Name of water supplier: CITY OF BANKS

Name and size of area to be served: BANKS + AREA TO THE NORTH 1.5 Sq. Mi. ±
(in square miles)

Present population of service area: CITY + SERVICE AREA 1700
(Contact county planning staff, if needed.)

Projected population in 20 years: 2200 per WATER MANAGEMENT AND CONSERVATION PLAN, 2001
(Cite source and year. For example: "20,595 Based upon 1995 Portland State University projections.")

List present water rights and permits held:

| Date of Issuance: | Natural Source of Water: | Amount Permitted: | Utilization: |
|-------------------|--------------------------|-------------------|-----------------|
| <u>10-23-23</u> | <u>Spring</u> | <u>188.5 gpm</u> | <u>140 avg.</u> |
| <u>8-25-83</u> | <u>Springs</u> | <u>80.8 gpm</u> | <u>40 avg.</u> |
| <u>9-29-77</u> | <u>Well</u> | <u>300.7 gpm</u> | <u>250 avg.</u> |

Water Use

Average yearly demand: 210 AFY Year: 3/01 - 2/02

Per-capita daily consumption (in gallons): 110 gpcd
(Divide average annual water sales by population to arrive at consumption, then divide by 365 to get daily values.)

Peak season (by month/day): June to Sept. Total peak season demand: 100 Acre-feet

Peak season per-capita daily consumption: 160 gpcd
(Divide total peak season demand by population and the number of days during the peak.)

Annual amount of water:
produced: 296 A.Ft. 97 MG
(diverted or pumped)

delivered: 296 A.Ft.

Is your system fully metered? ☒ Yes ☐ No

Describe your rate structure: FLAT RATE (BASE + VOLUME)
(e.g. flat rate, increasing or decreasing block rate or combination of different systems)

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Request for Water

- A. Discuss the reason(s) for your request for additional water
(e.g. loss of current supply, peak demand, growth, or other): GROWTH HAS INCREASED PEAK DEMAND DURING SUMMER MONTHS TO REQUIRE USE OF THE EXISTING WELL TO 20+ HOURS/DAY FOR WEEKS AT A TIME (WITH SPRINKLING RESTRICTIONS IN EFFECT). SYSTEM RELIABILITY IS AT RISK.
- B. How long is the amount of water requested in this application expected to meet future needs?
(e.g. until the year 2040) CURRENT CITY BOUNDARY HAS LIMITED GROWTH POTENTIAL. WITH 300gpm → 2100 (@ 0.75% growth)
- C. Briefly discuss operation of water system and the most constraining component of the system:
WATER SUPPLY OPTIONS ARE LIMITED. THE 2001 WATER MANAGEMENT AND CONSERVATION PLAN INDICATED THAT A FAILURE OF EITHER SOURCE WOULD CRIPPLE THE SYSTEM.
- D. Percentage of water use by type:
- | | |
|---------------------------------------|------------------------|
| Residential: <u>68%</u> | Commercial: <u>29%</u> |
| Public Authority: _____ | Agricultural: _____ |
| Unaccounted for use: _____ | Industrial: _____ |
| Other (specify use): <u>3% - Bulk</u> | |
- E. List cost to implement proposed request.
Compare cost and benefits with other water supply, or combination of supply options. This should include water efficiency measures such as replacing current showerheads with low-flow types. (Attach documentation, as available.)
OTHER SUPPLY OPTIONS WERE EXPLORED IN THE 2001 WATER MANAGEMENT AND CONSERVATION PLAN. THE CITY IS MORE THAN 1/2 NEW CONSTRUCTION (POST 1996), LIMITING EFFICIENCY RETROFITS. OTHER OPTIONS INCLUDE FOREST GROVE CONNECTION, UTILIZING NEW SPRING, TREATING TIVID WATER - ALL HIGH COST OR UNFEMIBLE. THE WELL AND ASSOCIATED FACILITIES ARE ESTIMATED TO COST \$500,000+.
- F. How and by how much will your proposed water use efficiency programs increase efficiency?
(Express as a percentage of per-capita consumption.)
THE 2001 WATER MANAGEMENT AND CONSERVATION PLAN REVIEWED OPTIONS. THE PROPOSED WATER WILL IMPROVE OPERATIONAL EFFICIENCIES. THE CITY HAS A LARGE PERCENTAGE OF NEW DEVELOPMENT, THEY HAVE UTILIZED EXISTING SOURCES TO THEIR MAXIMUM POTENTIAL AND HAVE IMPLEMENTED SUMMER USE RESTRICTIONS.



Oregon Water Resources Department
Land Use Information Form

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WATER RESOURCES DEPT.
SALEM, OREGON

This information is needed to determine compatibility with local comprehensive plans as required by ORS 197.180. The Water Resources Department will use this and other information to evaluate the water use application. DO NOT fill out this form if water is to be diverted, conveyed, or used only on federal lands.

To Be Completed By Applicant

The following section includes information about proposed water use. This section must be completed by the individual or group that is filing an application for a water right with the Water Resources Department.

A. Applicant

Name: CITY OF BANKS

Address: 100 S MAIN ST.

City: BANKS State: OR Zip: 97106 Day Phone: 503 324 5112

B. Land and Location

Please provide information as requested below for all tax lots on or through which water will be diverted, conveyed, or used. Check "diverted" if water is diverted (taken) from its source on tax lot, "conveyed" if water is conveyed (transported) on tax lot, and "used" if water will be put to beneficial use on tax lot. More than one box may be checked. (Attach extra sheets as necessary.) Applicants for municipal use, or irrigation uses within irrigation districts, may substitute existing and proposed service area boundaries for the tax lot information requested below.

| Tax Lot I.D. | Plan Designation (e.g. Rural Residential/RR-5) | Water to be: (check all that apply) | | |
|--------------|--|-------------------------------------|-----------------------------------|-------------------------------|
| | | <input type="checkbox"/> Diverted | <input type="checkbox"/> Conveyed | <input type="checkbox"/> Used |
| | <u>SEE ATTACHED</u> | <input type="checkbox"/> Diverted | <input type="checkbox"/> Conveyed | <input type="checkbox"/> Used |
| | | <input type="checkbox"/> Diverted | <input type="checkbox"/> Conveyed | <input type="checkbox"/> Used |

List counties and cities where water is proposed to be diverted, conveyed, or used. CITY OF BANKS, WASHINGTON COUNTY

C. Description of Water Use

Indicate what the water will be used for. Include the beneficial use (found in the instruction booklet for your water right application) and use the space below to describe the key characteristics of the project.

Beneficial Use(s): COMMUNITY WATER SUPPLY

Briefly describe: MUNICIPAL SUPPLY SOURCE.

D. Source

Indicate the source for the proposed water use:

☐ Reservoir/Pond ☒ Ground Water ☐ Surface Water _____ (source)

E. Quantity

Indicate the estimated quantity of water the use will require:

1 ☒ CFS ☐ GPM ☐ Acre-Feet

Receipt for Request for Land Use Information

State of Oregon
Water Resources Department
Commerce Bldg.
158 12th St. NE
Salem, OR 97310-0210
(503)378-8455

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SALEM, OREGON

City of Banks

Oregon

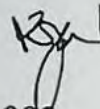
A Varn Good Little Town!

Robert Orlowski
Mayor

Daryl Crandall
Chief of Police

FAX MEMORANDUM

TO: Darrin Gelden

FROM: K.J. Won 

DATE: October 30, 2002

RE: Banks Well

Attached is the form pertaining to local land use sign-off. I trust this will suit your needs for now, and let me know if additional input will be necessary.

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SALEM, OREGON

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SALEM, OREGON

For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless your project will be located entirely within the city limits. In this case, only the city planning agency must complete this form. Please request additional forms as needed or feel free to copy.

A. Allowed Use

Check the appropriate box below and provide requested information.

- ☐ Land uses to be served by proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s); _____ Go to section B "Approval" below
- ☒ Land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals as listed in the table below.

| Type of Land Use Approval Needed
(e.g. plan amendments, rezones,
conditional use permits, etc.) | Cite Most Significant, Applicable
Plan Policies & Ordinance
Section References | Check the item that applies:
Land Use Approval: | |
|---|--|--|---|
| ZONING ORD. TEXT AMEND.
C.U.R FOR 2N 4W 36 TL 900 | BZO SEC. 3.420 | <input type="checkbox"/> Obtained
<input type="checkbox"/> Denied | <input type="checkbox"/> Being pursued
<input checked="" type="checkbox"/> Not being pursued |
| C.U.R FOR 2N 3W 36 TL 900 | BZO SEC. 3.620(11) | <input type="checkbox"/> Obtained
<input type="checkbox"/> Denied | <input type="checkbox"/> Being pursued
<input checked="" type="checkbox"/> Not being pursued |
| | | <input type="checkbox"/> Obtained
<input type="checkbox"/> Denied | <input type="checkbox"/> Being pursued
<input type="checkbox"/> Not being pursued |
| | | <input type="checkbox"/> Obtained
<input type="checkbox"/> Denied | <input type="checkbox"/> Being pursued
<input type="checkbox"/> Not being pursued |

Note: Please attach documentation of applicable local land use approvals which have already been obtained.
(Record of Action plus accompanying findings is sufficient.)

B. Approval

Please provide printed name and written signature.

Name: K.J. WON, AICP Date: 10-30-02
 Title: BANKS CITY PLANNER Phone: (503) 292-2221
 Signature: [Signature]

C. Additional Comments

Local governments are invited to express special land use concerns or make recommendations to the Department regarding this proposed use of water below, or on a separate sheet.

Note: If this form cannot be completed while the applicant waits, sign and detach the receipt stub as instructed below. You will have 30 days from the Water Resources Department's notice date to return this completed Land Use Information Form or WRD will presume the land use associated with the proposed water right is compatible with local comprehensive plans. (See attached letter.)

Receipt for Request for Land Use Information

Name of water right applicant: _____

This receipt must be signed by a local government representative and returned to the applicant at the time they present this form. This receipt must be included in the application for a water right permit if the local government cannot provide the requested land use information while the applicant waits.

City or County: _____

Staff contact: _____ Phone: _____

Signature: _____ Date: _____

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WATER RESOURCES DEPT.
SALEM, OREGON

For Local Government Use Only

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- ☒ Land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals as listed in the table below.

| Type of Land Use Approval Needed
(e.g. plan amendments, rezones,
conditional use permits, etc.) | Cite Most Significant, Applicable
Plan Policies & Ordinance
Section References | Check the item that applies:
Land Use Approval: | |
|---|--|--|---|
| Conditional (Special Use permit needed) | ORS 215.275 &
COC 430-105 | <input type="checkbox"/> Obtained
<input type="checkbox"/> Denied | <input type="checkbox"/> Being pursued
<input checked="" type="checkbox"/> Not being pursued |
| | | <input type="checkbox"/> Obtained
<input type="checkbox"/> Denied | <input type="checkbox"/> Being pursued
<input type="checkbox"/> Not being pursued |
| | | <input type="checkbox"/> Obtained
<input type="checkbox"/> Denied | <input type="checkbox"/> Being pursued
<input type="checkbox"/> Not being pursued |
| | | <input type="checkbox"/> Obtained
<input type="checkbox"/> Denied | <input type="checkbox"/> Being pursued
<input type="checkbox"/> Not being pursued |

Note: Please attach documentation of applicable local land use approvals which have already been obtained. (Record of Action plus accompanying findings is sufficient.)

B. Approval

Please provide printed name and written signature.

Name: JERESA LAWLER Date: 10/30/02
 Title: SENIOR PLANNER Phone: 503-846-3846
 Signature: Jeresa Lawler

C. Additional Comments

Local governments are invited to express special land use concerns or make recommendations to the Department regarding this proposed use of water below, or on a separate sheet.

All three sites under consideration are located on Exclusive Farmland. ORS 215.275 itemizes discretionary criteria for land use approval. Type II application must be approved prior to construction. (2N330C00100, 2N3310000402, 1N4010000100)

Note: If this form cannot be completed while the applicant waits, sign and detach the receipt stub as instructed below. You will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD will presume the land use associated with the proposed water right is compatible with local comprehensive plans. (See attached letter.)

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WATER RESOURCES DEPT
SALEM, OREGON

Receipt for Request for Land Use Information

Name of water right applicant: _____

This receipt must be signed by a local government representative and returned to the applicant at the time they present this form. This receipt must be included in the application for a water right permit if the local government cannot provide the requested land use information while the applicant waits.

City or County: _____
 Staff contact: _____ Phone: _____
 Signature: _____ Date: _____

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WATER RESOURCES DEPT
SALEM, OREGON



First American Title Insurance Company of Oregon

1

Washington (OR)

Prepared For:

Prepared By:

Customer Service Department

1700 SW Fourth Avenue - Portland, Oregon 97201-5512

Phone: (503) 222-3651 Fax: (503) 790-7872

OWNERSHIP INFORMATION

Owner : Banks City Of
Address : *No Site Address*
Address : PO Box 428 Banks Or 97106
Phone : Owner: Tenant:

Ref Parcel Number : 2N330CC 00100
T: 02N R: 03W S: 30 Q: 252
Parcel Number : R0799951
Map Number :
County : Washington (OR)

SALES AND LOAN INFORMATION

Transferred : 04/12/1993
Document #: 27280
Price : \$6,800
Loan Type :
Owned :

Loan Amount :
Lender :
Loan Type :
Interest Rate :
Vesting Type :

PROPERTY DESCRIPTION

Page & Grid :
Tract: Block:
division/Plat :
Neighborhood Cd : 2N46
Use : 9156 Gov, City
Area : ACRES 1.00, NON-ASSESSABLE

ASSESSMENT AND TAX INFORMATION

Mkt Land : \$23,800
Mkt Structure : \$100,000
Mkt Other :
Mkt Total : \$123,800
M50 Assd Total :
% Improved : 81
01-02 Taxes :
Exempt Amount : \$123,800
Exempt Type : Exempt
Levy Code : 01315
Millage Rate : 13.5257

PROPERTY CHARACTERISTICS

Brooms :
Brooms :
at Method :
al :
oliences :
thwasher :
od Fan :
ck :
rage Type :
rage SF :
Lot Acres : 1.00
Lot SqFt : 43,560
Bsm Fin SqFt :
Bsm Unfin SqFt :
Hsm Low SqFt :
Bldg SqFt :
1st Flr SqFt :
Upper Flr SqFt :
Porch SqFt :
Attic SqFt :
Deck SqFt :

Year Built :
EffYearBlt :
Floor Cover :
Foundation :
Roof Shape :
Roof Matl :
Interior Matl :
Paving Matl :
Const Type :
Ext Finish :

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SALEM, OREGON

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WATER RESOURCES DEPT.
SALEM, OREGON

This title information has been furnished, without charge, in conformance with the guidelines approved by the State of Oregon Insurance Commissioner. The Insurance Division cautions intermediaries that this service is designed to benefit the ultimate insureds. Indiscriminate use only benefiting intermediaries will not be permitted. Said services may be discontinued. No liability is assumed for any errors in this report.

App# 6-15887

93027280
Washington CountyWARRANTY DEED

KNOW ALL MEN BY THESE PRESENTS, that Beryl Winters and Arlec Carston, hereinafter called the grantor, for the consideration hereinafter stated, to grantor paid by The City of Banks, a municipal corporation of the State of Oregon, hereinafter called the grantee, does hereby grant, bargain, sell and convey unto the grantee and grantee's successors and assigns, that certain real property, with the tenements, hereditaments and appurtenances thereto belonging or in any way appertaining, situated in Washington County, State of Oregon, more particularly described as Exhibit B of Exhibit A, attached hereto and made a part hereof - "Legal Description for Lot Line Adjustment/City of Banks Water Reservoir Site/1.0 Acre Tract."

And grantor hereby covenants to and with grantee and grantee's successors and assigns that grantor is lawfully seized in fee simple of the above granted premises, free from all encumbrances except easements of record and that grantor will warrant and forever defend and premises and every part and parcel thereof against the lawful claims and demands of all persons whomsoever.

The true and actual consideration paid for this transfer, stated in terms of dollars, is \$6,800.00.

In construing this deed, where the context so requires, the singular includes the plural and all grammatical changes shall be made so that this deed shall apply equally to corporations and individuals.

Return to + Tax statements:

City of Banks
P.O. Box 428
Banks, OR 97106

1-6

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SALEM, OREGON

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WATER RESOURCES DEPT
SALEM, OREGON

-2-

In Witness Whereof, grantor Beryl Winters has executed this instrument this 18 day of March, ~~1992~~ 1993

In Witness Whereof, grantor Arlee Carston has executed this instrument this _____ day of _____, 1992.

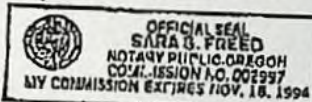
Beryl Winters
Beryl Winters

Arlee Carston

STATE OF OREGON

County of Washington } as.

This instrument was acknowledged before me on 3/18,
1993 by Beryl Winters.



Sara S. Freed
Notary Public for Oregon
My Commission expires: 11/18/94

STATE OF WASHINGTON

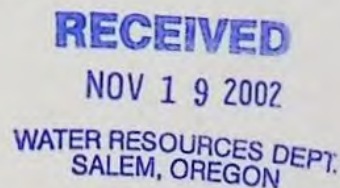
County of _____ } as.

This instrument was acknowledged before me on _____,
1992 by Arlee Carston.

Notary Public for Oregon
My Commission expires: _____

THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES.

2



-3-

Name and address of Grantor Beryl Winters:

Beryl Winters

8300 S.W. Barnes Road

Appliment 22

Name and address of Grantor Arlee Caraton:

AFTER RECORDING RETURN TO:

City of Banks
P.O. Box 428
Banks, Oregon 97106

SEND ALL TAX STATEMENTS AND NOTICES TO:

City of Banks
P.O. Box 428
Banks, Oregon 97106

STATE OF OREGON

County of Washington

} ss.
}

I certify that the within instrument was received for record on
the _____ day of _____, 1992, at _____ M. and
recorded in book/reel/volume No. _____ on page _____
and/or as fee/file/instrument/microfilm/reception No. _____
Record of Deeds of Washington County, Oregon.

Witness my hand and seal of Washington County affixed.

NAME Title
By _____, Deputy.

3

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EXHIBIT A

0389-00-24

Legal Description for Lot Line Adjustment
City of Banks Water Reservoir Site
131 Acre Tract

A tract of land located in the southwest quarter of Section 30, Township 2 North, Range 3 West, Willamette Meridian, Washington County, Oregon, more particularly described as follows:

All of the lands contained in said southwest quarter of Section 30, Township 2 North, Range 3 West, Willamette Meridian, Washington County, Oregon, EXCEPT those tracts of land recorded in Washington County Deed Records, Washington County, Oregon, described as follows:

The Spent Tract, Book 396, Page 729 (Tax Lot 1100, Map 2N3-30); the Ward Tract, Book 503, Page 315 (Tax Lot 1200, Map 2N3-30); the Evers Tract, Document No. 88-48050 (Tax Lot 1201, Map 2N3-30); the Weber Tract, Document No. 92-021010 (Tax Lot 1300, Map 2N3-30); the Kindel Tract, Document No. 89-36802 (Tax Lot 1400, Map 2N3-30); the Chilson Tract, Document No. 90-21882 (Tax Lot 1500, Map 2N3-30); The Kemper Tract, Book 1076, Page 702 (Tax Lot 200, Map 2N3-30CC); the Sweare Tract, Document No. 85006176 (Tax Lot 300, Map 2N3-30CC); the Duyck Tract, Document No. 82-025975 (Tax Lot 400, Map 2N3-30CC); the Duyck Tract, Document No. 83-030800 (Tax Lot 500, Map 2N3-30CC); the Bayless Tract, Document No. 88-47950 (Tax Lot 600, Map 2N3-30CC); the King Tract, Document No. 87-058971 (Tax Lot 700, Map 2N3-30CC); the Shurtliff Tract, Document No. 79-006778 (Tax Lot 800, Map 2N3-30CC); the Vanderzanden Tract, Document No. 79-007222 (Tax Lot 900, Map 2N3-30CC); the Vanderzanden Tract, Document No. 87-026729 (Tax Lot 1000, Map 2N3-30CC); the Crop Tract, Document No. 92-018983 (Tax Lot 1100, Map 2N3-30CC); the Splering Tract, Document No. 91-024878 (Tax Lot 1200, Map 2N3-30CC); the Splering Tract, Document No. 92-014536 (Tax Lot 1300, Map 2N3-30CC); the Farmworker Housing Partnership No. 1 Tract, Document No. 92-034102 (Tax Lot 1400, Map 2N3-30CC); the Fields Tract, Document No. 88-43622 (Tax Lot 1500, Map 2N3-30CC); the Duyck Tract, Book 721, Page 171 (Tax Lot 1600, Map 2N3-30CC); the Huggett Tract, Book 740, Page 591 (Tax Lot 1700, Map 2N3-30CC).

ALSO EXCEPT:

Any portion thereof of said southwest quarter tract lying within Sellers Road (County Road No. 127) right-of-way, Banks Road (County Road No. 110) right-of-way, Burlington Northern Railroad right-of-way, and Southern Pacific Railroad right-of-way.

ALSO EXCEPT:

A 1.0 acre parcel as described in Exhibit "B" - City of Banks Reservoir Site, attached hereto and made a part hereof.

Containing 131 acres, more or less.

4

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EXHIBIT B

0369-08-24

**Legal Description for Lot Line Adjustment
City of Banks Water Reservoir Site
1.0 Acre Tract**

Situated in the southwest quarter of Section 30, Township 2 North, Range 3 West, Willamette Meridian, Washington County, Oregon described as follows:

Beginning at the northwest corner of the City of Banks Tract as described in Deed Book 132, Page 241, Deed Records, Washington County, Oregon, said point being South 88 deg. 17 min East 905.0 feet and North 1 deg. 43 min. East 1,000.00 feet from a monument in case at the southwest corner of said section and running thence North 1 deg. 43 min. East 208.57 feet; thence South 88 deg. 17 min. East 208.57 feet; thence South 1 deg. 43 min. West 208.57 feet; thence North 88 deg. 17 min. West 208.57 feet to the beginning, containing 1.0 acres, more or less.

ALSO: A perpetual easement for ingress and egress to above described tract being 20 feet in width, the centerline of which is described as follows: beginning at a point on the south line of above described tract South 88 deg. 17 min. East 100.00 feet from the southwest corner thereof and running thence South 9 deg. 35 min. 27 sec. East 301.82 feet; thence South 8 deg. 24 min. 24 sec. East 218.41 feet; thence South 5 deg. 30 min. 20 sec. East 258.21 feet; thence South 3 deg. 37 min. 24 sec. East 222.17 feet to and terminating at a point in the center of Banks Road, being South 88 deg. 17 min. East 1,166.13 feet from the southwest corner of said Section 30.

ALSO: A perpetual easement 20 feet in width over the real property of the grantors herein, the particular location thereof being 10 feet on each side of and parallel to the pipe line of the grantee herein leading from the Reservoir upon the real property above described, toward the City of Banks, as said pipe line passes over the real property of the Grantors herein, giving and granting unto the Grantee herein, its officers and employees, the right to enter upon said 20 foot strip of land at any time for the purpose of repairing and maintaining the pipe line thereon, and to pass to and from the Reservoir on the tract of land above described.

ALSO: A perpetual easement 20 feet in width, being 10 feet on either side of and parallel to the line of the supply pipe line as the same traverses over and across the land of the Grantors herein in Section 30, Township 2 North, of Range 3 West, of the Willamette Meridian, leading to the reservoir upon the real property of the Grantors herein, as hereinbefore described, giving and granting unto the Grantee herein, its officers and employees, the right to enter upon said 20 foot strip of land at any time for the purpose of repairing and maintaining the pipe line thereon, and to pass over the same going to and from the Reservoir above mentioned.

5

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SALEM, OREGON

Legal Description
City of Banks
May 6, 1992
Page 2, Exhibit B

ALSO: A perpetual easement 20 feet in width over the real property of the grantors herein, in Section 30, Township 2 North, Range 3 West, Willamette Meridian, which said easement is 10 feet on either side of land parallel to the overflow pipe line of the grantor herein leading from the Reservoir upon the lands of the grantors herein, hereinbefore first described, giving and granting unto the grantees herein, its officers and employees, the right to enter upon said 20 foot strip of land at any time for the purpose of repairing and maintaining the overflow pipe line of the grantor herein.

Containing 1.0 acres, more or less.

STATE OF OREGON
County of Washington

59

I, Jerry R. Hanson, Director of Assessment and Taxation for the County of Washington, do hereby certify that the within instrument of conveyance was received and recorded in the books of records of said county.



Doc : 93027280
Rect: 97615
04/12/1993 10:42:55AM

58.00

RECEIVED

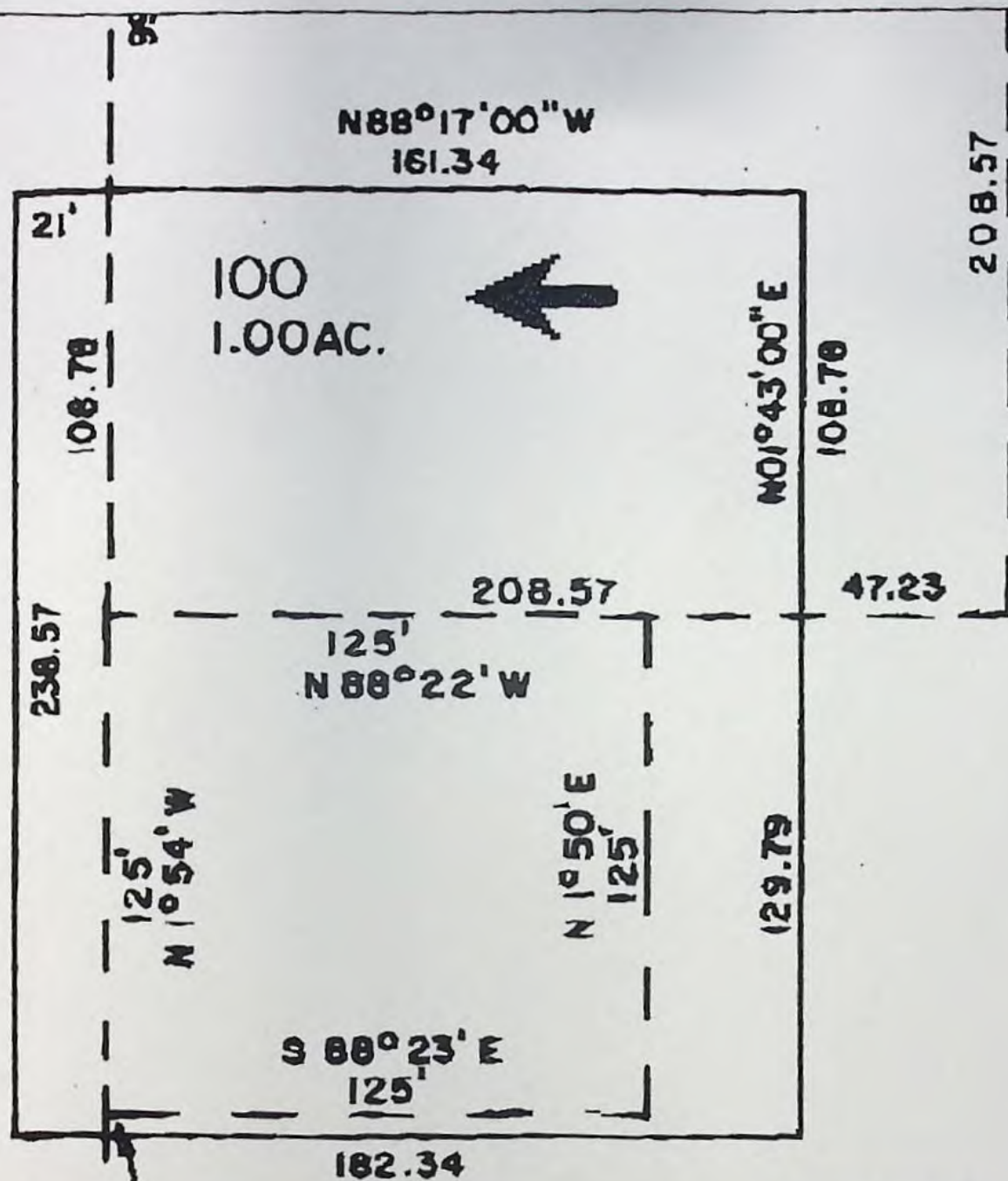
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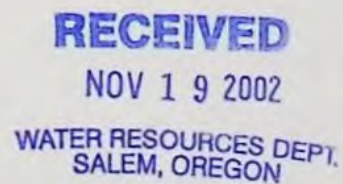
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SALEM, OREGON

2N 3 3000
BANKS

SCALE 1" = 100'





CHICAGO TITLE INSURANCE COMPANY

10001 SE Sunnyside Road

Clackamas, OR 97015

Phone (503) 786-3940 Fax (503) 653-7833

=METROSCAN PROPERTY PROFILE=

Washington (OR)

2

OWNERSHIP INFORMATION

Reference Parcel # : 2N43600 00900
 Parcel Number : R0816086 RTSQ: 04W -02N -36 -
 Owner : Sunset Community Chamber
 CoOwner :
 Site Address : *No Site Address*
 Mail Address : PO Box Banks Or 97106
 Telephone : Owner: Tenant:

SALES AND LOAN INFORMATION

Transferred :
 Document # : 4790380
 Sale Price :
 Deed Type :
 % Owned :
 Loan Amount :
 Lender :
 Loan Type :
 Interest Rate :
 Vesting Type :

ASSESSMENT AND TAX INFORMATION

Market Land :
 Market Structure :
 Market Other :
 Market Total :
 01-02 Taxes :
 Assessed Total :
 Exempt Amount :
 Exempt Type : Exempt
 % Improved :
 Levy Code : 01325
 Millage Rate : 17.2957
 School Dist : Banks

PROPERTY DESCRIPTION

Map Grid :
 Census : Tract: Block:
 NbrhdCd : 2N46
 Sub/Plat :
 Land Use : 9536 Soc, Church Camps, Community Clubs
 Legal : ACRES 25.53, MS X# 217564,
 : NON-ASSESSABLE
 Class Code :
 MillRate :

PROPERTY CHARACTERISTICS

| | | |
|--------------|----------------------|---------------|
| Bedrooms : | Lot Acres : 25.53 | Year Built : |
| Bathrooms : | Lot SqFt : 1,112,086 | EffYearBlt : |
| Heat Method: | BsmFin SF : | Floor Cover : |
| Pool : | BsmUnfinSF : | Foundation : |
| Appliances : | BsmLowSF : | Roof Shape : |
| Dishwasher : | Bldg SqFt : | Roof Matl : |
| Hood Fan : | 1stFlrSqFt : | InteriorMat : |
| Deck : | UpperFlrSF : | Paving Matl : |
| Garage Type: | Porch SqFt : | Const Type : |
| Garage SF : | Attic SqFt : | Ext Finish : |
| | Deck SqFt : | |

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CHICAGO TITLE INSURANCE COMPANY

10001 SE Sunnyside Road

Clackamas, OR 97015

Phone (503) 786-3940 Fax (503) 653-7833

=METROSCAN PROPERTY PROFILE=
Washington (OR)

OWNERSHIP INFORMATION

Reference Parcel # : 2N43600 00900
Parcel Number : M2031577 RTSQ: 04W -02N -36 -
Owner : Stenlund Randall Mark
CoOwner :
Site Address : 485 S Main St Banks 97106
Mail Address : 485 S Main St Banks Or 97106
Telephone : Owner: Tenant:

SALES AND LOAN INFORMATION

| | |
|---------------|-----------------|
| Transferred : | Loan Amount : |
| Document # : | Lender : |
| Sale Price : | Loan Type : |
| Deed Type : | Interest Rate : |
| % Owned : | Vesting Type : |

ASSESSMENT AND TAX INFORMATION

| | |
|-----------------------------|------------------------|
| Market Land : | Exempt Amount : |
| Market Structure : \$24,560 | Exempt Type : |
| Market Other : | % Improved : 100 |
| Market Total : \$24,560 | Levy Code : 01325 |
| 01-02 Taxes : \$419.68 | Millage Rate : 17.2957 |
| Assessed Total : \$24,560 | School Dist : Banks |

PROPERTY DESCRIPTION

| | |
|---|--------------|
| Map Grid : 531 J6 | Class Code : |
| Census : Tract: 335.00 Block: 2 | |
| NbrhdCd : 82N4 | MillRate : |
| Sub/Plat : | |
| Land Use : 1096 Res, Mobile Homes | |
| Legal : MOBILE HOME SERIAL # 49910885E, X # | |
| : 217564 ON REAL ACCT 2N436-00900, | |
| : PERSONAL MH | |

PROPERTY CHARACTERISTICS

| | | |
|---------------------|------------------|---------------------------|
| Bedrooms : 2 | Lot Acres : | Year Built : 1992 |
| Bathrooms : 1.00 | Lot SqFt : | EffYearBlt : 1992 |
| Heat Method: Forced | BsmFin SF : | Floor Cover : Carpet |
| Pool : | BsmUnfinSF : | Foundation : Post Pier |
| Appliances : | BsmLowSF : | Roof Shape : |
| Dishwasher : | Bldg SqFt : 924 | Roof Matl : Comp Shingle |
| Hood Fan : | 1stFlrSqFt : 924 | InteriorMat : |
| Deck : | UpperFlrSF : | Paving Matl : |
| Garage Type: | Porch SqFt : | Const Type : Wd Stud\Shtg |
| Garage SF : | Attic SqFt : | Ext Finish : 232 |
| | Deck SqFt : | |

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FOR AS
PURPOSE
NOT RE
ANY OT

SEE MAP
2N 3 318C

889°40'W

2450.9

184.5

1/4 Cr.

80 Rods

900
29.93Ac.



13-25

40 RODS

250.0

47

HIGHWAY

20' WASH

1002
694
1001
954
100
347.4
100
100

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1101
20.75Ac.

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SALEM, OREGON

STATE

N.W. 04
WAY

2584

9719

KNOW ALL MEN BY THESE PRESENTS, That **SUNSET CHAMBER OF COMMERCE**
a corporation duly organized and incorporated under the laws of the State of Oregon
in consideration of \$20,000.00 (\$20,000) Dollars
to it, the said **SUNSET CHAMBER OF COMMERCE**, an Oregon corporation,
do hereby read, release and forever **QUITCLAIM** unto the said **SUNSET COMMUNITY CHAMBER**
an Oregon corporation, and unto its successors
all right, title and interest in, and to the following described parcel of real estate, situate
in the County of Washington, State of Oregon, to-wit:

Commencing at the Northeast corner of the Southeast quarter
of Section 36, Township 7 North, Range 4 West of the Willamette
Meridian, and running thence South 40 rods; thence West 80
rods to the land of George & Frank Dooley, thence North 40
rods to the land of Jabez Wilks, thence East 80 rods to the
place of beginning.

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SALEM, OREGON

To Have and to Hold, the same, together with all and singular the hereditaments and appurtenances
thereunto in anywise appertaining to the said **SUNSET COMMUNITY CHAMBER**, an Oregon
corporation, and to its successors, and to its heirs and assigns forever.

Done by order of the Board of Directors, with the seal of said corporation,

this 16th day of January, 1903.

SUNSET CHAMBER OF COMMERCE

By *Henry J. Johnson* President.

SUNSET CHAMBER OF COMMERCE

By *John Allen* Secretary.

BOOK 479 PAGE 380

STATE OF OREGON,

County of Washington }
 before me appeared Henry J. Schmidlin and
O. John Alder both to me personally known, who being
 duly sworn, did say that he, the said Henry J. Schmidlin
 is the President, and he, the said O. John Alder
 is the Secretary of Sunset Chamber of Commerce
 the within named Corporation, and that the seal affixed to said instrument is the corporate seal of said Corporation, and that the said instrument was signed and sealed in behalf of said Corporation by authority of its Board of Directors, and Henry J. Schmidlin and O. John Alder
 acknowledged said instrument to be the free act and deed of said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

[Signature]

Notary Public for Oregon.

My Commission expires 10/10/65.



QUITCLAIM DEED

Corporation

Notary No. 551

SUNSET CHAMBER OF COMMERCE

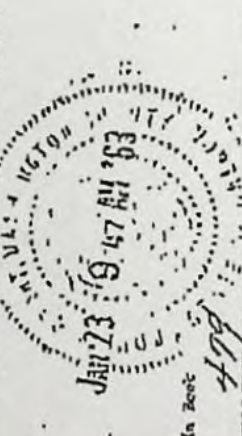
TO

STATE OF OREGON

County of Washington

I, Henry J. Schmidlin, County Clerk, in Office for
 record of Corporation and Secretary of the
 Official Court of the State of Oregon, by the County
 of Washington do hereby certify that the within
 instrument of writing was recorded for record and
 recorded in the County of

Deed of said County of



Witness my hand and seal of said Court
 this 19th day of January, 1963.

Notary Clerk,

[Signature]
 Deputy.

After Recording, Return to

Duss & Pihl
 408 Pacific Building
 Portland 4, Oregon

BOOK 479 PAGE 381

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WATER RESOURCES DEPT.
 SALEM, OREGON



First American Title Insurance Company of Oregon

3

Washington (OR)

Prepared For:

Prepared By:

Customer Service Department

1700 SW Fourth Avenue - Portland, Oregon 97201-5512

Phone: (503) 222-3651 Fax: (503) 790-7872

OWNERSHIP INFORMATION

ier : South Banks J V
 Owner :
 Address : *No Site Address*
 Address : PO Box 1082 Clackamas Or 97015
 Phone : Owner; Tenant;

Ref Parcel Number : 2N331CD 11400
 T: 02N R: 03W S: 31 Q: 252
 Parcel Number : R2076798
 Map Number :
 County : Washington (OR)

SALES AND LOAN INFORMATION

nsferred :
 ument # :
 Price :
 id Type :
 owned :
 Loan Amount :
 Lender :
 Loan Type :
 Interest Rate :
 Vesting Type :

PROPERTY DESCRIPTION

p Page & Grid :
 usus : Tract: Block:
 idivision/Plat :
 ghborhood Cd : 4FOR
 id Use : 1904 Vacant Residential, Potential Devel
 al : ACRES 8.25

ASSESSMENT AND TAX INFORMATION

MktLand : \$261,690
 MktStructure :
 MktOther :
 MktTotal : \$261,690
 M50 Assd Total : \$261,690
 % Improved :
 01-02 Taxes : \$4,407.88
 Exempt Amount :
 Exempt Type :
 Levy Code : 01325
 Millage Rate : 17.2957

PROPERTY CHARACTERISTICS

drooms :
 throoms :
 at Method :
 ol :
 pliancas :
 shwasher :
 od Fan :
 ck :
 irage Type :
 irage SF :
 Lot Acres : 8.25
 Lot SqFt : 359,370
 Bsm Fin SqFt :
 Bsm Unfin SqFt :
 Bsm Low SqFt :
 Bldg SqFt :
 1st Flr SqFt :
 Upper Flr SqFt :
 Porch SqFt :
 Attic SqFt :
 Deck SqFt :

Year Built :
 EffYearBlt :
 Floor Cover :
 Foundation :
 Roof Shape :
 Roof Matl :
 InteriorMatl :
 Paving Matl :
 Const Type :
 Ext Finish :

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SALEM, OREGON

This title information has been furnished, without charge, in conformance with the guidelines approved by the State of Oregon Insurance Commissioner. The Insurance Division cautions intermediaries that this service is designed to benefit the ultimate insureds. Indiscriminate use only benefiting intermediaries will not be permitted. Said services may be discontinued. No liability is assumed for any errors in this report.

App# 6-15887

APR 11 1997
 AFTER RECORDING RETURN TO:
 SOUTH BANKS J.V.
 c/o West Hills Development Company
 14273 NW SCIENCE PARK DRIVE

PORTLAND, OR 97209
 Until a change is requested all tax
 statements shall be sent to the following
 address:

Same as above

RECROW No. 2000-48892-LT
 Order No. 1187209

STATE OF OREGON

County of Washington

I, Jerry Anderson, Director of Assess-
 ment and Taxation, do hereby certify that
 the within instrument has been received
 and recorded in the office of said
 county.



Doc: 97012603
 Recd: 180421 2478.00
 02/11/1997 01:36:41pm

WARRANTY DEED - STATUTORY FORM
 (INDIVIDUAL OR CORPORATION)

PAJA LIMITED PARTNERSHIP, Trustee of E.B.S. Trust

Grantor, conveys and warrants to SOUTH BANKS J.V., A JOINT VENTURE CONSISTING OF KARL H.
 WALTER AND WEST HILLS DEVELOPMENT COMPANY, AN OREGON CORPORATION

Grantee, the following described real property free of encumbrances except as specifically
 set forth herein:

See Attached Legal Description made a part hereto

This instrument will not allow use of the property described in this instrument in violation
 of applicable land use laws and regulations. Before signing or accepting this instrument,
 the person acquiring fee title to the property should check with the appropriate city or
 county planning department to verify approved uses and to determine any limits on lawsuits
 against farming or forest practices as defined in ORS 30.930.

ENCUMBRANCES:-

1. The premises herein described are within and subject to the statutory powers
 including the power of assessment of the Unified Sovereign Agency.
 (continued on page 4)

The true consideration for this conveyance is \$2,430,000.00 which is paid to an
 Accommodator as part of a \$1021 Deferred Exchange

Dated February 7, 1997, if a corporate grantor, it has caused its name to be signed by
 order of its board of directors.

PAJA LIMITED PARTNERSHIP, TRUSTEE OF THE
 E.B.S. TRUST



WASHINGTON COUNTY
 REAL PROPERTY TRANSFER TAX
 \$ 2,430.00 02/11/97
 FEE PAID DATE

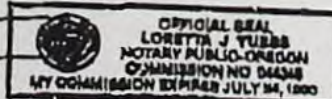
BY: Chris Liu
 CHRIS LIU, GENERAL PARTNER

STATE OF OREGON, County of Washington, ss.
 This instrument was acknowledged before me on
February 7th, 1997, by Chris Liu
 This instrument was acknowledged before me on

by

of

Notary Public for Oregon
 My commission expires



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WATER RESOURCES DEPT
 SALEM, OREGON

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WATER RESOURCES DEPT
 SALEM, OREGON

Order No: 157209

LOCAL DESCRIPTION

A portion of the Southwest and Southeast quarters of Section 31, Township 2 North, Range 3 West, Willamette Meridian, in the County of Washington and State of Oregon, said portion being more particularly described as follows:

Beginning at an iron rod at the intersection of the North right of way line (90.00 feet from centerline) of the Wilson River Highway (State Highway No. 6) and the West right of way line (60 feet from centerline) of the Southern Pacific Railroad, which point bears North 30°55'41" East 796.11 feet from the Washington County Surveyor's Monument at the South quarter corner of said Section 31, and running thence Westerly along said Northerly right of way line 566.89 feet along a 5639.58 foot radius curve to the right line (the long chord of which bears South 89°13'22" West 566.65 feet) to an iron rod; thence South 01°53'11" East 20.00 feet to an iron rod; thence 927.99 feet along a 5658.58 foot radius non-tangent curve to the right (the long chord of which bears North 87°10'17" West 926.88 feet) to an iron rod; thence 197.54 feet along a 70 foot offset to a centerline 400 foot spiral curve (S - 2°00'00" and A = 0.25) (the long chord of which bears North 01°09'20" West 397.54 feet) to an iron rod; thence North 80°22'30" West 128.49 feet to an iron rod at the Southeast corner of that certain tract described in Document No. 84-048003, thence leaving said North right of way line and running North 11°54'30" East, along the East line of said tract, 673.02 feet; thence North 88°11'55" West 327.20 feet to an iron rod at the Southeast corner of the certain tract conveyed in document 89-61197; thence along the boundary of said tract North 03°27'03" West 99.84 feet to an iron rod and North 88°11'56" West 199.34 feet to an iron rod in the East right of way line of Nahalem State Highway; thence along said right of way line North 03°27'33" West 56.93 feet to an iron rod and North 01°48'03" East 247.80 feet to an iron rod; thence South 88°06'06" East 178.26 feet to an iron rod; thence North 01°48'03" East 122.40 feet to an iron rod; thence South 88°13'00" East 970.05 feet to an iron rod; thence North 01°48'03" East 752.99 feet to a point on the North line of the Southwest quarter of said Section 31; thence South 87°26'00" East along said North line, 543.00 feet to a point on the West right of way line of the Southern Pacific Railroad right of way; thence South 30°22'33" East, along said right of way line, 1594.39 feet to the point of beginning.

Subject to the rights of the public to the 20 foot wide dedicated alley between blocks 11 and 12, Plat of MILLKESBORO.

EXCEPTING THEREFROM that portion thereof described as follows:

A tract of land in the Southwest quarter of Section 31, Township 2 North, Range 3 West, Willamette Meridian, in the County of Washington and State of Oregon, described as follows:

Beginning at the Southeast corner of the Southwest quarter of said Section 31; thence North 01°33'03" East, along the East line of the Southwest quarter of said Section 31, for a distance of 600.29 feet; thence North 88°26'57" West, perpendicular to the East line of the Southwest quarter of said Section 31, for a distance of 580.72 feet to a point on the Northerly right-of-way of the Wilson River Highway, said point being the initial point; thence along the arc of a 5659.58 foot radius non-tangent curve to the right through a central angle of 05°17'07" for an arc distance of 522.07 feet, the long chord which bears North 85°08'04" West, 521.89 feet; thence along the chord of a 70.00 foot offset to a centerline of a 400.00 foot spiral curve (S = 02°00'00" and A = 0.25) for the following courses and distances: Thence North 82°26'19" West, 10.81 feet; thence North 82°06'03" West, 60.51 feet; thence North 81°36'01" West, 60.51 feet; thence North 81°12'34" West, 55.00 feet; thence North 80°54'13" West, 60.60 feet; thence North 80°40'32" West, 60.50 feet; thence North 80°32'20" West, 60.50 feet; thence North 80°29'40" West, 29.24 feet to the end of said spiral curve; thence North 80°25'30" West, along the Northerly right-of-way line of said Wilson River Highway, for a distance of 410.94 feet to the center of a ditch at the Southeast corner of that tract conveyed to Oak Village Shopping Center by Deed recorded as Fee No. 84048003; thence along the center of a ditch the following courses and distances: Thence North 09°38'41" East 68.24 feet; thence North 09°21'49" East, 73.74 feet; thence North 06°48'10" East, 65.94 feet; thence North 11°02'01" East, 90.72 feet; thence North 18°47'10" East, 110.14 feet; thence North 10°37'32" East, 105.11 feet; thence North 10°11'26" East, 88.20 feet; thence North 08°59'26" East, 72.31 feet; thence leaving said ditch South 80°40'07" East, 159.50 feet; thence South 15°10'57" East, 19.20 feet; thence South 81°09'20" East, 90.67 feet; thence North 19°10'57" East, 97.20 feet; thence South 85°59'42" East, 51.63 feet; thence South 19°10'57" West, 105.64 feet; thence South 81°09'20" East, 91.48 feet; thence North 19°10'57" East, 30.98 feet; thence South 81°09'20" East, 357.74 feet; thence South 84°45'21" East, 19.59 feet; thence South 06°18'32" East, 30.08 feet; thence South 84°49'21" East, 126.04 feet; thence South 06°18'32" West, 196.22 feet; thence South 84°49'21" East, 60.30 feet; thence South 06°18'32" West, 90.03 feet; thence South 84°49'21" East, 44.39 feet; thence South 06°18'32" West, 136.00 feet; thence South 84°49'21" East, 139.24 feet; thence South 06°42'31" East, 232.22 feet to the Northerly right-of-way line of the Wilson River Highway and the initial point.

AND FURTHER EXCEPTING THEREFROM that portion Deeded to the Construction, a Washington

-2- 2

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Partnership, by Deed recorded August 28, 1996 as Recorder's Fee No. 9607281, Washington County Records described as follows:

A tract of land in the Southwest quarter of Section 31, Township 2 North, Range 3 West, Willamette Meridian, in the County of Washington and State of Oregon, described as follows:

Beginning at the Southeast corner of the Southwest quarter of said Section 31, thence North 01°33'03" East, along the East line of the Southwest quarter of said Section 31, for a distance of 600.25 feet; thence North 00°25'57" West, perpendicular to the East line of the Southwest quarter of said Section 31, for a distance of 880.72 feet to a point on the Northerly right of way of the Wilson River Highway; thence North 00°42'31" West 232.22 feet; thence North 04°49'21" West 138.24 feet; thence North 06°10'39" East, 136.00 feet; thence North 04°49'21" West, 44.39 feet; thence North 06°10'22" East, 96.03 feet; thence North 04°49'21" West, 60.30 feet; thence North 06°10'22" East, 196.22 feet; thence North 04°49'21" West, 226.04 feet; thence North 06°10'22" East, 30.09 feet; thence North 04°49'21" West, 39.59 feet; thence North 01°09'20" East, 34.66 feet to the true point of beginning; thence North 01°09'20" East, 265.46 feet; thence North 00°50'40" East, 30.25 feet; thence North 01°09'20" East, 265.46 feet; thence South 08°50'40" West, 30.25 feet to the true point of beginning.

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WATER RESOURCES DEPT.
SALEM, OREGON

3

enclosures, continued.

2. The rights of the public in and to that portion of the premises herein described lying within the limits of dedicated alley.
(Affects the southeasterly portion of Parcel 1)

3. Limited access provisions contained in Deed to the State of Oregon, by and through its State Highway Commission, which provides that no right or easement of right of access to, from or across the State Highway other than expressly therein provided for shall attach to the abutting property.

Recorded: December 8, 1995
Book: 376
Page: 363

4. An easement created by instrument, including terms and provisions thereof.

Dated: July 5, 1995
Recorded: August 29, 1995
Recorder's Fee No.: 55060680
In Favor Of: Unified Sewerage Agency of Washington County
For: Storm and surface water drainage and detention
Affects: The southerly portion

5. An easement created by instrument, including terms and provisions thereof.

Dated: July 5, 1995
Recorded: August 29, 1995
Recorder's Fee No.: 55060681
In Favor Of: Unified Sewerage Agency of Washington County
For: Storm drainage
Affects: Along the southerly boundary

6. An easement created by instrument, including terms and provisions thereof.

Dated: July 5, 1995
Recorded: August 29, 1995
Recorder's Fee No.: 55060685
In Favor Of: Unified Sewerage Agency of Washington County
For: Sewer
Affects: Four 15 foot wide strips in the westerly portion near the southerly boundary line

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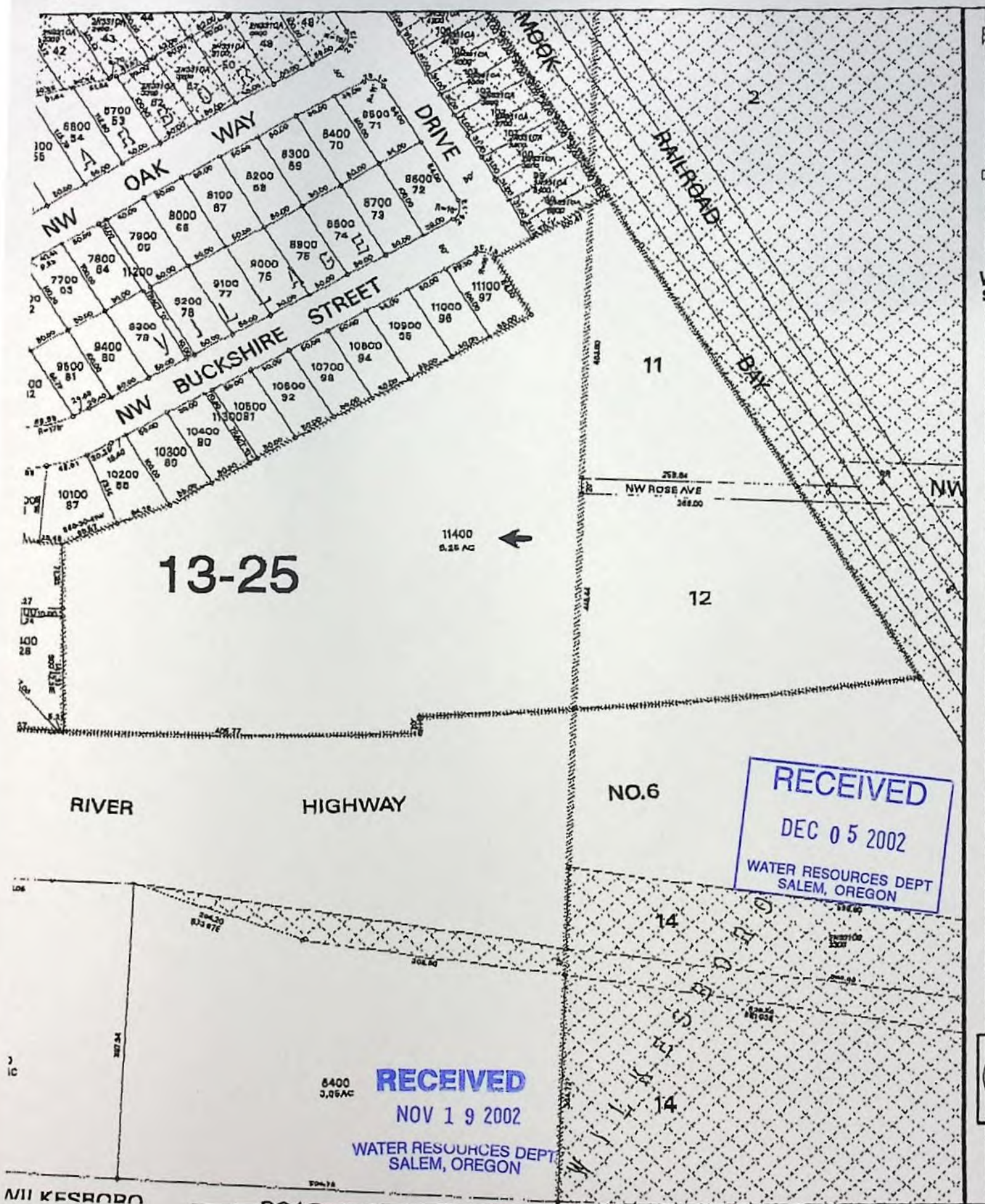
DEC 05 2002

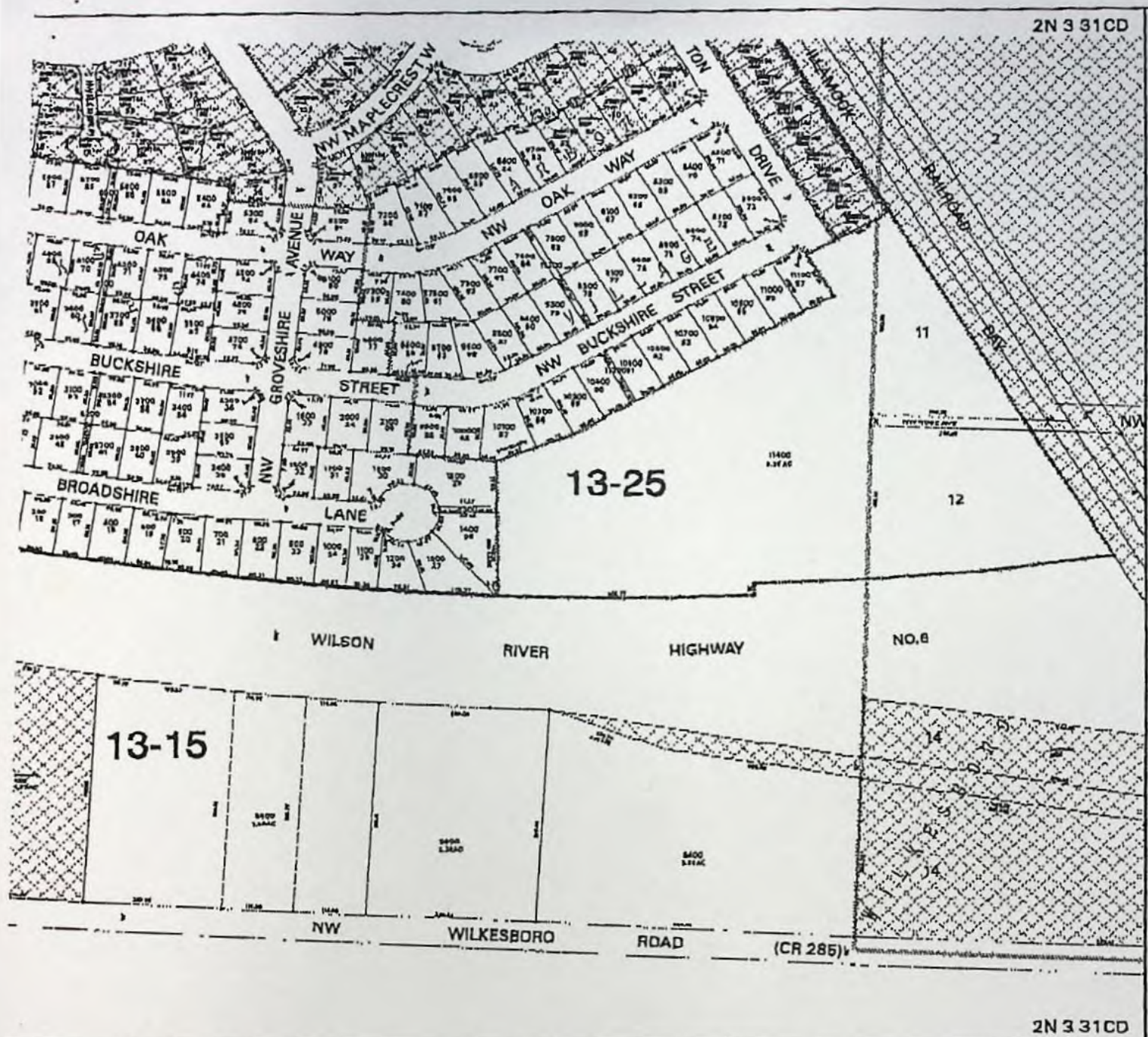
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SALEM, OREGON

FORM NO. 211—QUITCLAIM DEED (Indemnified by Grantor)
1-1-74

QUITCLAIM DEED

82023309

KNOW ALL MEN BY THESE PRESENTS, That Florence Behrman, widow of Ernest Behrman, deceased, and KAREN J. SMITH, hereinafter called grantor, for the consideration hereinafter stated, does hereby sell, release and quitclaim unto a municipal corporation

hereinafter called grantee, and unto grantee's heirs, successors and assigns all of the grantor's right, title and interest in that certain real property with the tenements, appurtenances and appurtenances thereto belonging or in any wise appertaining, situated in the County of Washington, State of Oregon, described as follows, to-wit:

Parcel 1: The following described tract of land is located in the NE Quarter of the NW Quarter of Section 31, T2N, R3W, W. M., Washington County, Oregon, and is also a portion of that tract of land described in a deed dated September 8, 1951, between Mary Elizabeth Banks, Grantor, and Ernest Behrman and Florence Behrman, husband and wife, Grantees, and recorded at Book 324, Pages 470, 471 and 472, Wn. Co., Oregon deed records, said tract of land being more specifically described as follows: Beginning at the NE cor. of the NE Quarter of the NW Quarter of Sec. 31, T2N, R3W, W.M., said corner being the one-quarter corner between Sec. 30 and Sec. 31; thence N. 88°17' West, on the North line of said Sec. 31 a distance of 440.18 feet to the true point of beginning of the tract herein described; thence N. 88°17' West on the N. line of said Sec. 31 a distance of 231.60 feet; thence S. 1°43' West a distance of 239.85 feet; thence S. 88°12' East a distance of 260.00 feet; thence North 9°13' East a distance of 242.20 feet to the point of beginning and containing 1.189 acres more or less of which 0.106 acres are in County Road No. 110.

Parcel 2: A portion of that certain tract of land in the NW Quarter and the NE Quarter of Sec. 31, T2N, R3W, W. M., Wn. Co., Oregon described in a deed from Ernest A. Behrman and Florence K. Behrman, grantor, to Robert A. Smith and Karen J. Smith, grantees, and recorded in Book 1223 Page 913 Deed Records of Washington County, Oregon and said portion being more particularly described as follows:

(Legal description continued on the reverse hereof)

ALL PAGES INDENTED, CONTAIN DESCRIPTION ON REVERSE COPY

To Have and to Hold the same unto the said grantee and grantee's heirs, successors and assigns forever.

The true and actual consideration paid for this transfer, stated in terms of dollars, is \$ Nil. However, the actual consideration consists of or includes other property or value given or promised which is the whole part of the consideration (indicate which). (The sentence between the symbols @, if not applicable, should be deleted. See ORS 93.630.)

In construing this deed and where its context so requires, the singular includes the plural and all grammatical changes shall be implied to make the provisions hereof apply equally to corporations and to individuals.

In Witness Whereof, the grantor has executed this instrument this 7 day of September, 1982; if a corporate grantor, it has caused its name to be signed and seal affixed by its officers, duly authorized thereto by order of its board of directors.

(If completed by a corporation, state corporation name)

Florence Behrman
Karen J. Smith

STATE OF OREGON.

County of Washington

September 7, 1982

Personally appeared the above named

Florence Behrman

Karen J. Smith

and acknowledged the foregoing instrument to be her voluntary act and deed.

Before me, *John P. Bump*, Notary Public for Oregon, My commission expires 12/5/84

STATE OF OREGON, County of

Personally appeared

who, being duly sworn, each for himself and not one for the other, did say that the instrument to the President and that the latter is the secretary of

a corporation, and that the said officer to the foregoing instrument is the secretary and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors; and each of them acknowledged said instrument to be his voluntary act and deed.

Notary Public for Oregon
My commission expires

(SEAL)

Florence Behrman

GRANTOR'S NAME AND ADDRESS

City of Banks

NOTARIES NAME AND ADDRESS

After consulting with me:
Bump, Young & Walker
Attorneys at Law
P. O. Box 278 Forest Grove,
OREGON 97116

Read a change is required on the instrument shall be read to the following address.

NAME ADDRESS, ETC.

STATE OF OREGON,

County of

I certify that the within instrument was received for record on the day of

at 11:00 A.M. and recorded in Book 1223 Volume No. 913 or as Enclosure / File / Instrument / Recording No. 913

Record of Deeds of said county.
Witness my hand and seal of County aforesaid.

DATE

By John P. Bump Deputy

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WATER RESOURCES
SALEM, OREGON

OCT. 28. 2002

2:33PM

SUNNYSIDE CUST SERV

NO. 209

P. 2/17

4

1/4

239.85

402

1.03

200

403

8.28

D

75 Ac.



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WATER RESOURCES DEPT.
SALEM, OREGON

App # 6-15887

304



**PLANNERS
ENGINEERS
SURVEYORS**

HILLSBORO, OR
(CORPORATE OFFICE)
Toll Free: 877.648.4061
www.ldcdesign.com

3300 NW 211TH TERRACE
HILLSBORO, OR 97124
PHONE: 503.858.4242
FAX: 503.645.5500

BELLEVUE, WA
PHONE: 425.468.0245
FAX: 425.462.1374

VANCOUVER, WA
PHONE: 360.573.0370
FAX: 360.573.0390

AFFILIATED COMPANIES

KLEIN CONSULTING ENGINEERS, INC.
HILLSBORO, OR
PHONE: 503.858.4242
FAX: 503.645.5500

CTS ENGINEERS, INC.
(a WBE/DBE Firm)
www.ctsengineers.com

BELLEVUE, WA
PHONE: 425.455.7622
FAX: 425.462.1374

HILLSBORO, OR
PHONE: 503.690.8080
FAX: 503.645.5500

**MECKEL ENGINEERING
& SURVEYING, INC.**
www.meckel.com

COEUR D'ALENE, ID
PHONE: 208.667.4638
FAX: 208.664.3347

LETTER OF TRANSMITTAL

Date: December 4, 2002
To: Roger Wright
Firm: Water Rights Section
Water Resource Department
Address: Commerce Building
158 12th Street NE
Salem, OR 97301-4172

(LDC) Job No.: 2600
Project Name: City of Banks Well Application

We are sending you: ☒ Attached ☐ Under Separate Cover

| Copies | Description |
|--------|------------------|
| 1 | Well Application |
| | |
| | |
| | |
| | |
| | |
| | |

These are being transmitted as indicated below:

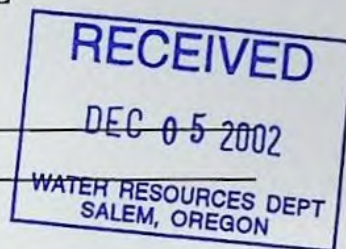
☒ As Requested ☐ For Your Use ☒ For Approval ☐ Other

Comments:

I have revised the map to show exact locations inside the taxlots previously identified.

If further information is required please let us know.

Signature: Darrin Geldert
Name: Darrin Geldert
Title: Project Engineer
cc: City of Banks, Attn: Tim Grossnickle



App# 6-15887



CHICAGO TITLE INSURANCE COMPANY

10001 SE Sunnyside Road

Clackamas, OR 97015

Phone (503) 786-3940 Fax (503) 653-7833

=METROSCAN PROPERTY PROFILE= Washington (OR)

5

OWNERSHIP INFORMATION

Reference Parcel # : 1N40100 00100
 Parcel Number : R0765933 RTSQ: 04W-01N -01 -
 Owner : Jwo Properties Llc
 CoOwner :
 Site Address : 42701 NW Dierickx Rd
 Mail Address : 44133 NW Cedar Canyon Rd Banks Or 97106
 Telephone : Owner: Tenant:

SALES AND LOAN INFORMATION

Transferred : 09/13/2000 Loan Amount :
 Document # : 74118 Lender :
 Sale Price : \$395,000 Loan Type :
 Deed Type : Interest Rate :
 % Owned : 100 Vesting Type :

ASSESSMENT AND TAX INFORMATION

Market Land : Exempt Amount :
 Market Structure : Exempt Type :
 Market Other : \$29,390 % Improved :
 Market Total : \$29,390 Levy Code : 01312
 Q1-02 Taxes : \$391.09 Millage Rate : 13.3068
 Assessed Total : \$29,390 School Dist : Banks

PROPERTY DESCRIPTION

Map Grid : 531 H7 Class Code :
 Census : Tract: Block:
 NbrhdCd : IN46 MillRate :
 Sub/Plat :
 Land Use : 4516 Efu Zone, Tract Land, Improved
 Legal : ACRES 34.11, MS X# 135203, ZONED
 : FARMLAND- POTENTIAL ADDITIONAL TAX
 : LIABILITY

PROPERTY CHARACTERISTICS

| | | |
|--------------|----------------------|---------------|
| Bedrooms : | Lot Acres : 34.11 | Year Built : |
| Bathrooms : | Lot SqFt : 1,485,831 | EffYearBlt : |
| Heat Method: | BsmFin SF : | Floor Cover : |
| Pool : | BsmUnfinSF : | Foundation : |
| Appliances : | BsmLowSF : | Roof Shape : |
| Dishwasher : | Bldg SqFt : | Roof Matl : |
| Hood Fan : | 1stFlrSqFt : | InteriorMat : |
| Deck : | UpperFlrSF : | Paving Matl : |
| Garage Type: | Porch SqFt : | Const Type : |
| Garage SF : | Attic SqFt : | Ext Finish : |
| | Deck SqFt : | |

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 WATER RESOURCES DEPT
 SALEM, OREGON



After recording return to:
KWF Properties, LLC
1550 NW Lakeview Drive
Portland, OR 97209

Until a change is requested all tax statements
 shall be sent to the following address:

Andre Granger

Escrow No. 00060259
 Title No. 896480

STATE OF OREGON
 County of Washington

I, John Fallon Hiestand, Jr., County
 Clerk for the County of Washington,
 do hereby certify that the within
 and recorded instrument is a true and
 correct copy of the original as
 recorded in the County of Washington,
 Oregon, and is a true and correct
 copy of the original as recorded in the
 County of Washington, Oregon.

Doc: 2000074118
 Recd: 241074 423.00
 09/13/2000 09:06:44pm

STATUTORY WARRANTY DEED

Carmel Ministries, a Washington Corporation, Grantor, conveys and warrants to KWF Properties, a
 Limited Liability Corporation, Grantee, the following described real property free of liens and
 encumbrances, except as specifically set forth herein:

See Attached Exhibit "A"

This property is free of liens and encumbrances, EXCEPT:
 THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS
 INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS.
 BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE
 TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY
 PLANNING DEPARTMENT TO VERIFY APPROVED USES AND TO DETERMINE ANY LIMITS
 ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES AS DEFINED IN ORS 30.930.

The true consideration for this conveyance is \$395,000.00 Paid by an accommodator, pursuant to an IRC
 1031 Exchange (Have comply with the requirements of ORS 93.090)

Dated this 12th day of September, 2000

Carmel Ministries

By: John Fallon Hiestand, Jr. - Overseer
John Fallon Hiestand, Jr., Overseer

STATE OF OREGON } ss.
 County of Washington

This instrument was acknowledged before me on this 12th day of Sept, 2000
 by John Fallon Hiestand, Jr. as Overseer for
Carmel Ministries, a Washington Corporation



Teryl L. Stender
 Notary Public for Oregon

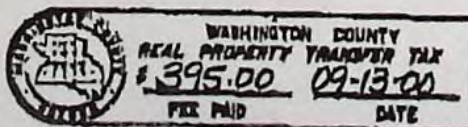
My commission expires: _____

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WATER RESOURCES DEPT
 SALEM, OREGON

1-2



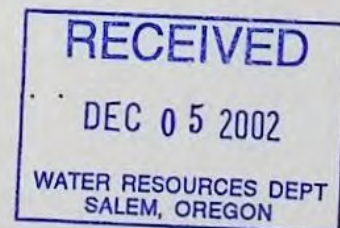
FATCO. NO. 896480-7B

Order No. 000400

EXHIBIT "A"

Beginning at the Northeast corner of Section 1, Township 1 North, Range 4 West of the Willamette Meridian, in the County of Washington and State of Oregon; and running thence South $88^{\circ}30'$ West along the Township line 20 chains; thence South 17.82 chains to the center of County Road; thence North $88^{\circ}30'$ East along center of said road $20.01\frac{1}{2}$ chains to the Range line on the East side of Section 1; thence North along said Range line 17.36 chains to the place of beginning.

2





CHICAGO TITLE INSURANCE COMPANY

10001 SE Sunnyside Road

Clackamas, OR 97015

Phone (503) 786-3940 Fax (503) 653-7833

=METROSCAN PROPERTY PROFILE= Washington (OR)

OWNERSHIP INFORMATION

Reference Parcel # : IN40100 00100
 Parcel Number : M0921015 RTSQ: 04W -01N -01 -
 Owner : Venture Properties Inc
 CoOwner :
 Site Address : 17152 SW Eldorado Dr Tigard 97224
 Mail Address : 4230 Galewood St # 100 Lake Oswego Or 97035
 Telephone : Owner: Tenant:

SALES AND LOAN INFORMATION

Transferred : 09/03/2002 Loan Amount :
 Document # : 102011 Lender :
 Sale Price : \$50,000 Loan Type :
 Deed Type : Bargain & Sale Interest Rate :
 % Owned : 100 Vesting Type : Corporation

ASSESSMENT AND TAX INFORMATION

Market Land : Exempt Amount :
 Market Structure : \$6,720 Exempt Type :
 Market Other : % Improved : 100
 Market Total : \$6,720 Levy Code : 01312
 01-02 Taxes : \$86.39 Millage Rate : 13.3068
 Assessed Total : \$6,720 School Dist : Banks

PROPERTY DESCRIPTION

Map Grid : 685 B2 Class Code :
 Census : Tract: 319.01 Block: 2
 NbrhdCd : 8006 MillRate :
 Sub/Plat :
 Land Use : 1096 Res, Mobile Homes
 Legal : MFD STRUCT SERIAL # 25EGFS2306, X #
 : 135203 ON REAL ACCT 1N41-00100,
 : REAL MS

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 WATER RESOURCES DEPT
 SALEM, OREGON

PROPERTY CHARACTERISTICS

| | | |
|---------------------|------------------|-----------------------------|
| Bedrooms : 3 | Lot Acres : | Year Built : 1976 |
| Bathrooms : 2.00 | Lot SqFt : | EffYearBlt : 1976 |
| Heat Method: Forced | BsmFin SF : | Floor Cover : Carpet |
| Pool : | BsmUnfinSF : | Foundation : Retain Wall |
| Appliances : | BsmLowSF : | Roof Shape : |
| Dishwasher : | Bldg SqFt : 938 | Roof Matl : Built Up |
| Hood Fan : | 1stFlrSqFt : 938 | InteriorMat : Paneling |
| Deck : | UpperFlrSF : | Paving Matl : |
| Garage Type: | Porch SqFt : | Const Type : Wdstud/No Shtg |
| Garage SF : | Attic SqFt : | Ext Finish : 229 |
| | Deck SqFt : | |



After recording return to:
VENTURE PROPERTIES, INC.
 4230 Galewood Street #100
 Lake Oswego, OR 97035

Until a change is requested all tax statements
 shall be sent to the following address:

VENTURE PROPERTIES, INC.
 4230 Galewood Street #100
 Lake Oswego, OR 97035

Escrow No. 02052627
 Title No. 971882

Washington County, Oregon 2002-102011
 08/03/2002 11:42:38 AM

D-DEB Cntr1 Bntr18 D HOFFMAN
 \$10.00 \$4.00 \$11.00 \$40.00 - Total=\$77.00

THIS SPACE IS



I, Jerry Hansen, Director of Assessments and Taxation
 and Washington County Clerk for Washington County,
 do hereby certify that the within instrument of recording
 was received and recorded in the book of records of
 said county.

Jerry R. Hansen, Director of Assessments and Taxation,
 Washington County Clerk



WASHINGTON COUNTY
 REAL PROPERTY TRANSFER TAX
 \$ 50.00 9-3-02
 FEE PAID DATE

STATUTORY BARGAIN AND SALE DEED

JWC PROPERTIES, LLC, AN OREGON LIMITED LIABILITY COMPANY, Grantor, conveys to
VENTURE PROPERTIES, INC. AN OREGON CORPORATION, Grantee, the following described real
 property:

This deed is given to transfer the interest in and to that certain easement as recorded August 30, 2000
 as fee number 2000069933. This document will transfer all rights, title and interest currently held by
 the grantor herein unto the property under the name of JWC PROPERTIES, LLC, an Oregon
 Corporation unto the grantee herein.

THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS
 INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS.
 BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE
 TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY
 PLANNING DEPARTMENT TO VERIFY APPROVED USES AND TO DETERMINE ANY LIMITS
 ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES AS DEFINED IN ORS 30.930.

The true consideration for this conveyance is \$50,000.00 (five comply with the requirements of ORS 91.030)

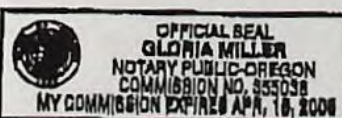
Dated this 30th day of August, 2002.

JWC PROPERTIES, LLC A OREGON LIMITED LIABILITY COMPANY

By: [Signature]
 JAMES CRAWFORD, ~~Manager~~ MANAGER, Manager

STATE OF Oregon } ss.
 County of Washington

This instrument was acknowledged before me on this 30th day of August, 2002
 by James Crawford, ~~Manager~~ Manager



Notary Public for Oregon
 My commission expires: 4-16-2006

RECEIVED

DEC 05 2002

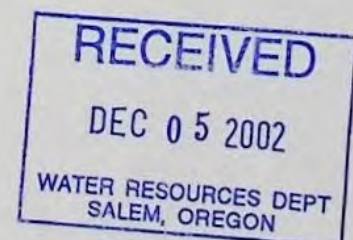
WATER RESOURCES DEPT
 SALEM, OREGON

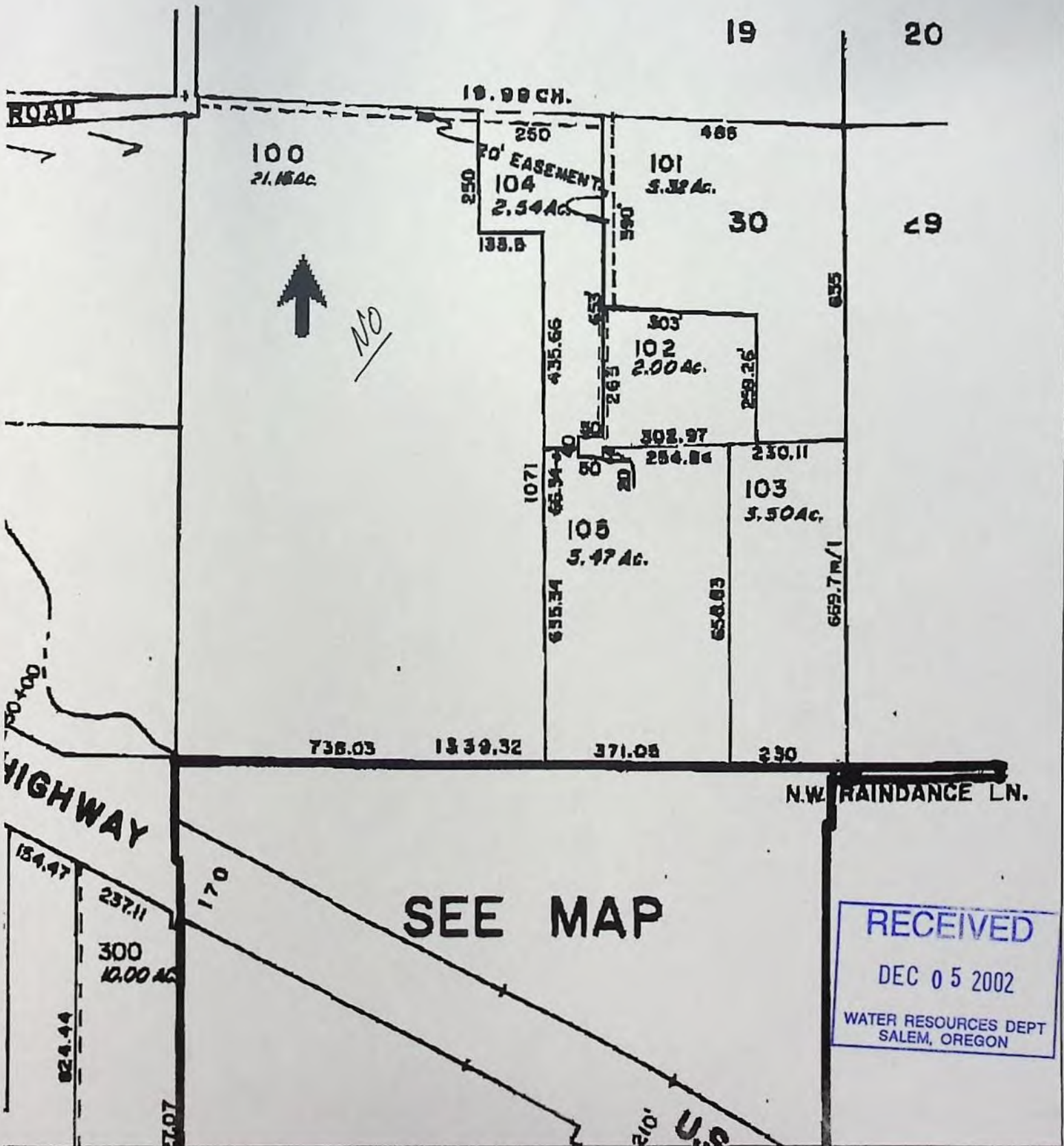
FATCO, NO. 971882-17



2002-102011

A 15 foot sewer easement commencing at proposed Manhole 361 (as depicted on the Sanitary Sewer Plan for Forest Springs, LLC, by Harris McMonagle Associates, Inc. dated May 27, 1999) and continuing in a Northeasterly direction parallel to the existing gas line to the North property line of at its intersection with Laidlaw Road;







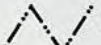


Well Application Exhibit

WILLAMETTE BASIN
WASHINGTON COUNTY
CITY OF BANKS, OREGON

DATA SOURCE: METRO DATA
RESOURCE CENTER, RLIS LITE

App # G-15887
Permit #

Legend

-  Potential Site
-  Schools
-  Stream
-  City Limits
-  Sections.shp

RECEIVED
 DEC 05 2002
 WATER RESOURCES DEPT
 SALEM, OREGON

WELL LOCATIONS

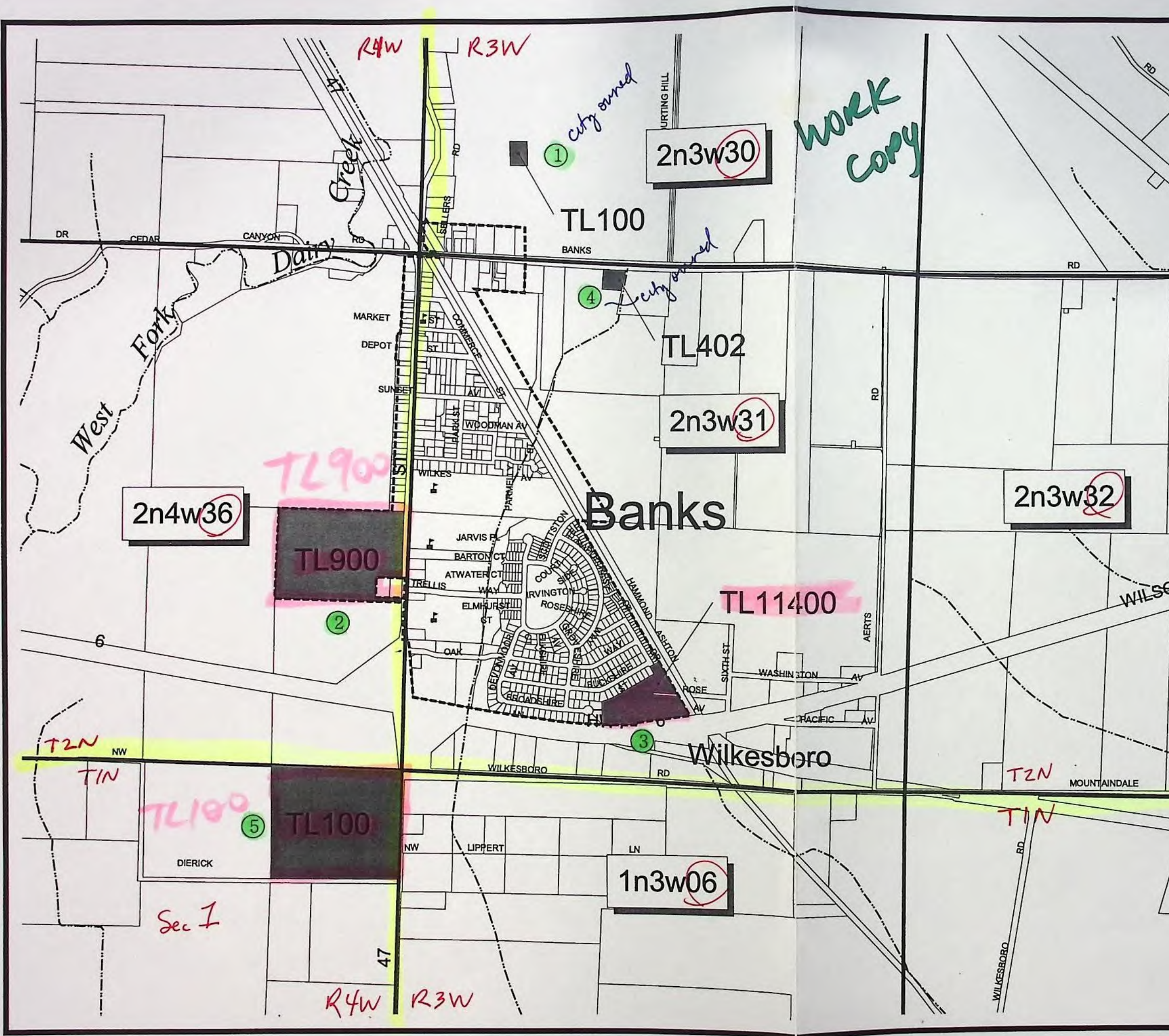
1. 1100' N, 1000' E OF SW CORNER OF 2N 3W SECTION 30
2. 2185' N, 300' W OF SE CORNER OF 2N 4W SECTION 36
3. 1000' N, 2580' E OF SW CORNER OF 2N 3W SECTION 31
4. 120' S, 2070' E OF NW CORNER OF 2N 3W SECTION 31
5. 575' S, 660' W OF NE CORNER OF 1N 4W SECTION 1


LDC Design Group Inc.
 Planners
 Engineers
 Surveyors
 3300 N.W. 211TH TERRACE
 HILLSBORO, OREGON 97124
 PHONE: (503) 854-4242
 FAX: (503) 854-2290
 www.lcdesign.com



SCALE: 1"=1000'
 PLOT DATE: NOVEMBER 1, 2002

JOB NO.:
 2600
 SHEET NO.:
1 of 1



Well Application Exhibit

WILLAMETTE BASIN
WASHINGTON COUNTY
CITY OF BANKS, OREGON

DATA SOURCE: METRO DATA
RESOURCE CENTER, RLIS LITE

App # G-15887
Permit # G-16312

Legend

- Potential Site
- S

 Schools
- Stream
- City Limits
- Sections.shp

RECEIVED
DEC 05 2002
WATER RESOURCES DEPT
SALEM, OREGON

WELL LOCATIONS

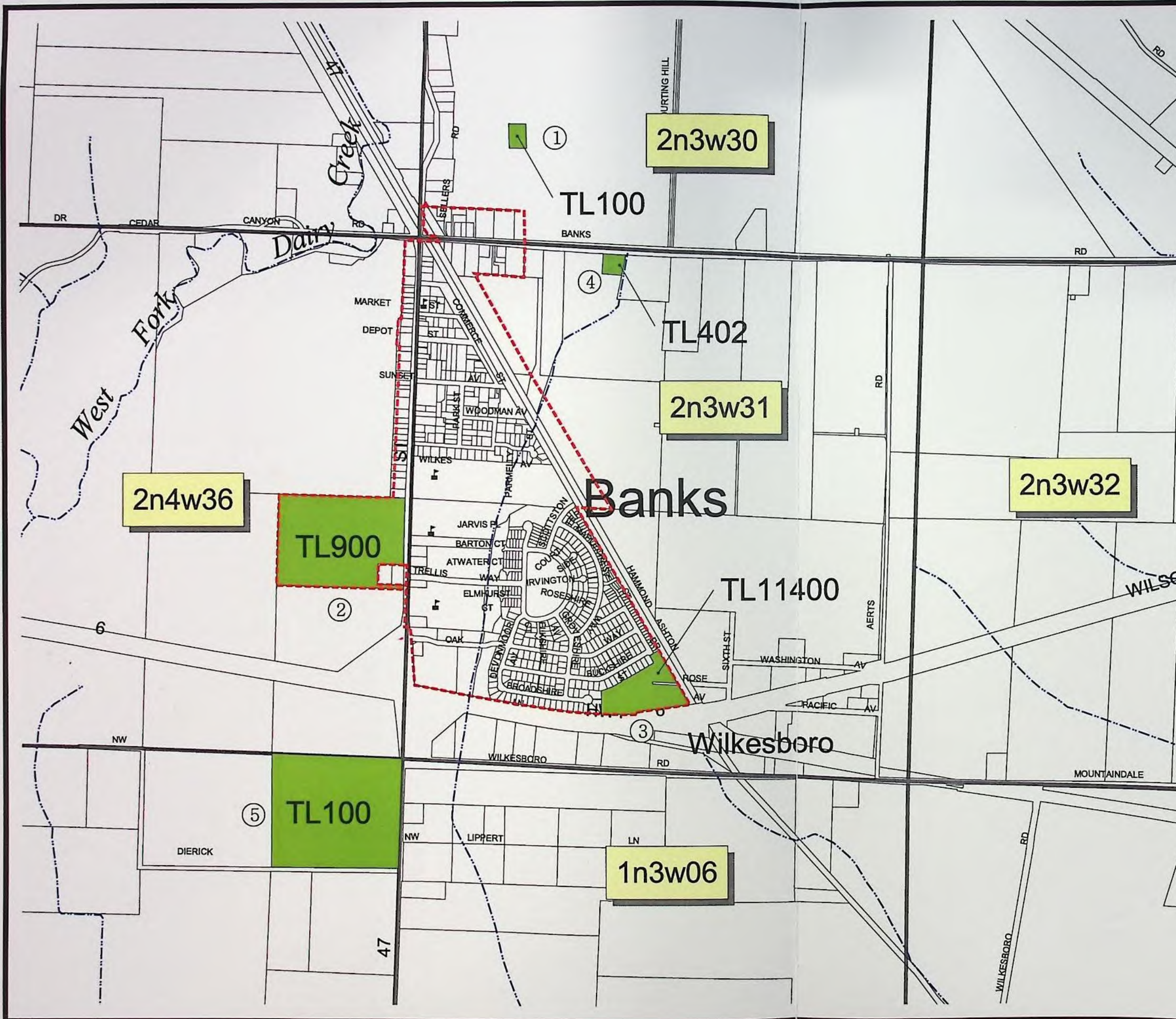
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SHEET NO.:
1 of 1



p:\projects-1dd\2600\arcview\2600.apr



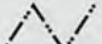


Well Application Exhibit

WILLAMETTE BASIN
WASHINGTON COUNTY
CITY OF BANKS, OREGON

DATA SOURCE: METRO DATA
RESOURCE CENTER, RLIS LITE

App#G-15887
Permit#

Legend

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DEC 05 2002
WATER RESOURCES DEPT
SALEM, OREGON

WELL LOCATIONS

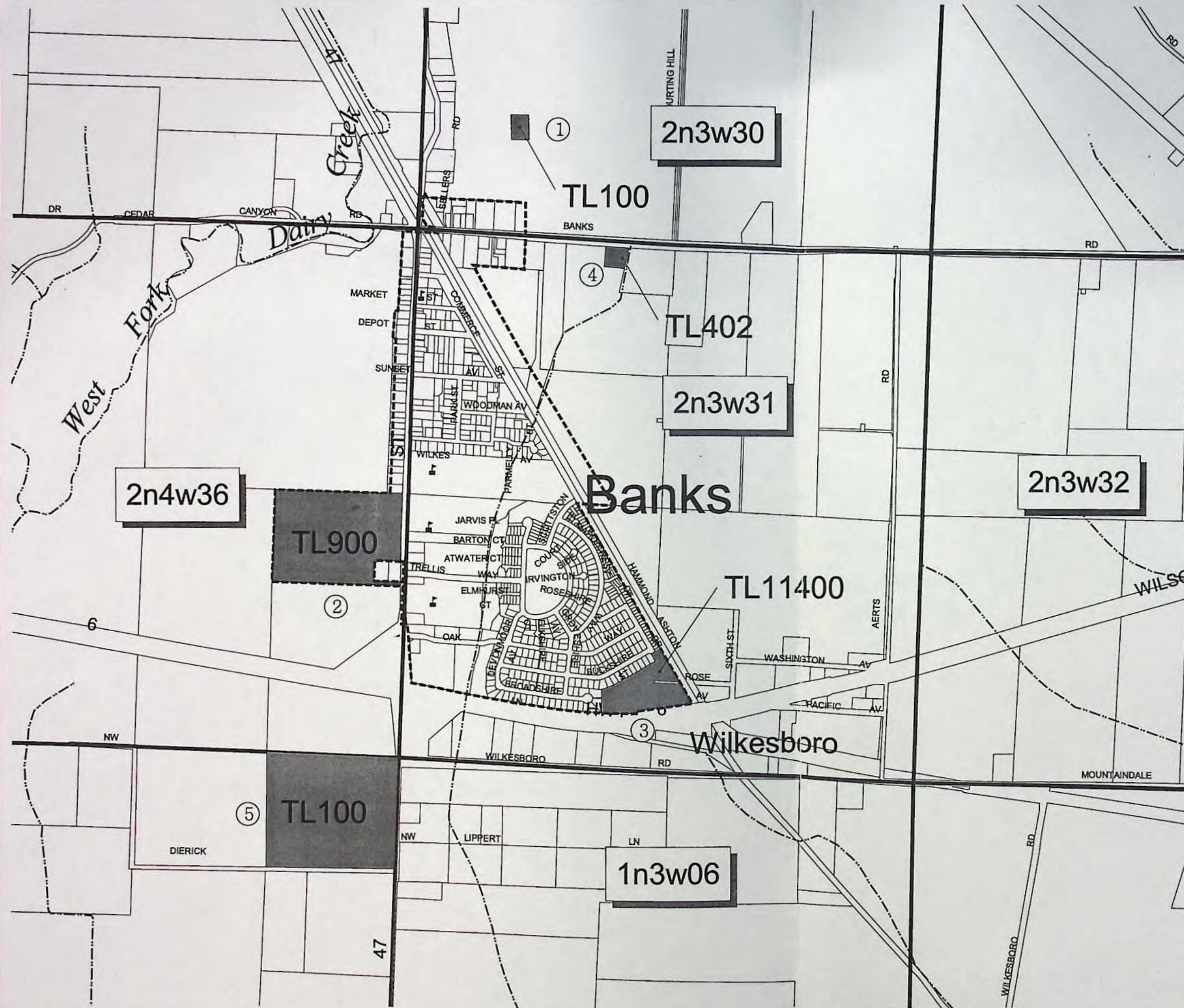
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WELL LOCATIONS

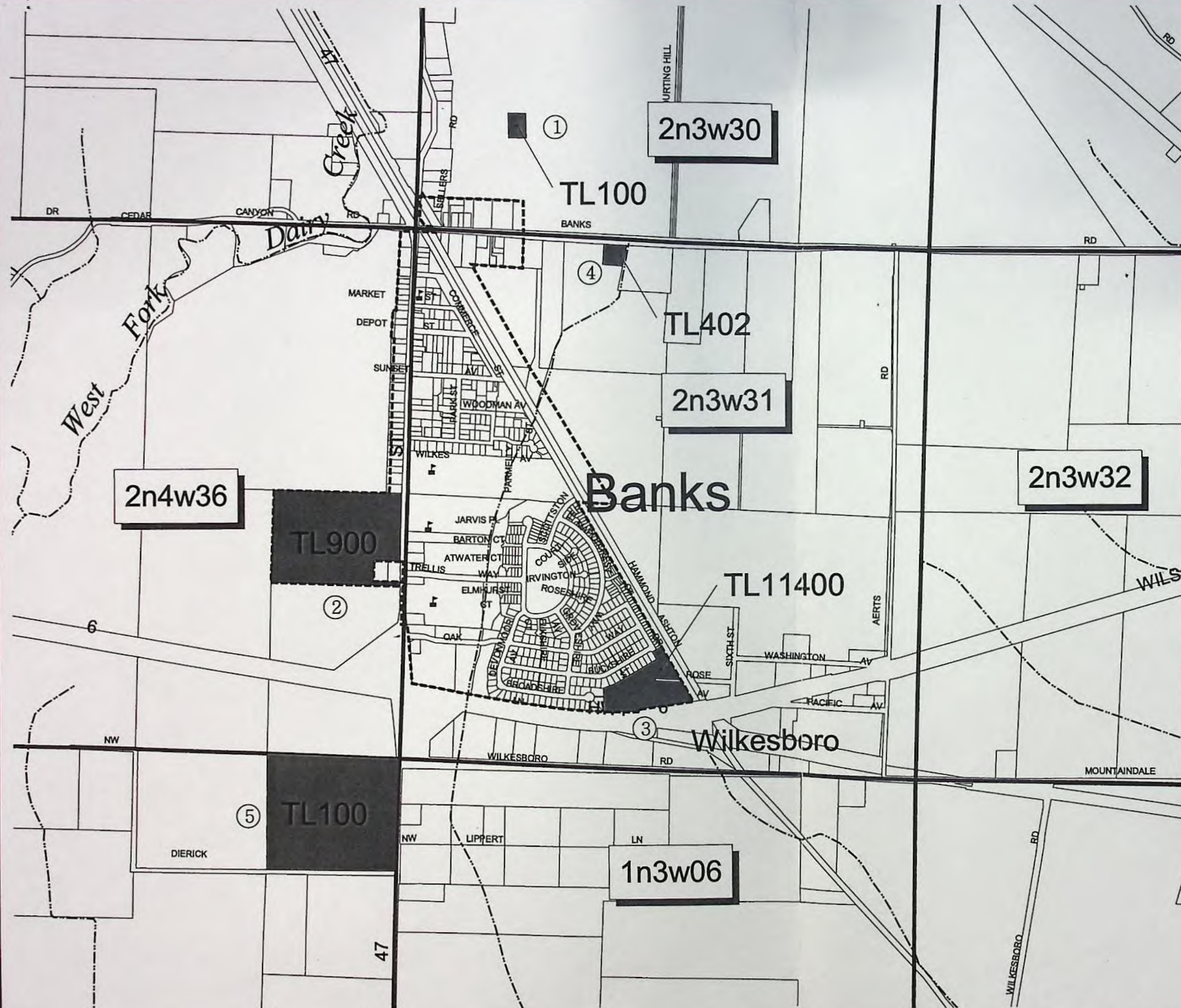
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 www.lcdesign.com

JOB NO.:
 2600
 SHEET NO.:
1 of 1



**Michael Lyda, Mayor
City of Banks
100 S Main Street
Banks, OR 97106**

**Michael Lyda, Mayor
City of Banks
100 S Main Street
Banks, OR 97106**

**Michael Lyda, Mayor
City of Banks
100 S Main Street
Banks, OR 97106**

Mr. Colm Moore
Schroeder Law Offices
P.O. Box 12327
Portland, OR 97212-0527

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Portland, OR 97212-0527

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

725 Summer St. N.E. Ste. A

SALEM, OR 97301-4172

(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **92121**

INVOICE # _____

RECEIVED FROM: City of Banks

BY: _____

| | |
|-------------|---------|
| APPLICATION | G-15847 |
| PERMIT | |
| TRANSFER | |

CASH: ☐ CHECK:# ☒ 11903 OTHER: (IDENTIFY) ☐ _____

TOTAL REC'D \$ 300.00

1083 TREASURY 4170 WRD MISC CASH ACCT

| | | |
|-------|-------------------------|----|
| 0407 | COPIES | \$ |
| _____ | OTHER: (IDENTIFY) _____ | \$ |

0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS

| | | |
|-------|--------------------------------|----|
| 0407 | COPY & TAPE FEES | \$ |
| 0410 | RESEARCH FEES | \$ |
| 0408 | MISC REVENUE: (IDENTIFY) _____ | \$ |
| TC162 | DEPOSIT LIAB. (IDENTIFY) _____ | \$ |
| 0240 | EXTENSION OF TIME | \$ |

WATER RIGHTS:

| | | | | |
|------|---------------|----|------|------------------|
| 0201 | SURFACE WATER | \$ | 0202 | \$ |
| 0203 | GROUND WATER | \$ | 0204 | \$ <u>300.00</u> |
| 0205 | TRANSFER | \$ | | |

WELL CONSTRUCTION

| | | | | |
|------|------------------------|----|------|----|
| 0218 | WELL DRILL CONSTRUCTOR | \$ | 0219 | \$ |
| | LANDOWNER'S PERMIT | | 0220 | \$ |

OTHER (IDENTIFY) _____

0536 TREASURY 0437 WELL CONST. START FEE

| | | | | |
|------|----------------------|----|--------|--|
| 0211 | WELL CONST START FEE | \$ | CARD # | |
| 0210 | MONITORING WELLS | \$ | CARD # | |

OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

| | | |
|-------|---------------------------|----|
| 0233 | POWER LICENSE FEE (FWWRD) | \$ |
| 0231 | HYDRO LICENSE FEE (FWWRD) | \$ |
| _____ | HYDRO APPLICATION | \$ |

TREASURY OTHER / RDX

FUND _____ TITLE _____

OBJ. CODE _____ VENDOR # _____

DESCRIPTION _____ \$ _____

RECEIPT: **92121**

DATED: 4/14/08

BY: [Signature]

CITY OF BANKS

11903

Oregon Water Resource Dept

4/11/2008

| Date | Type | Reference |
|-----------|------|-----------|
| 4/10/2008 | Bill | |

| Original Amt. |
|---------------|
| 300.00 |

| Balance Due | Discount |
|--------------|----------|
| 300.00 | |
| Check Amount | |

| Payment |
|---------|
| 300.00 |
| 300.00 |



RECEIVED

APR 14 2008

WATER RESOURCES DEPT
SALEM OREGON

Checking

Fee for Final Order

300.00

CITY OF BANKS

Oregon Water Resource Department

2. · WATER FUND EXPENDITURES: Well App fee

11/15/02

8186

400.00



RECEIVED

NOV 19 2002

WATER RESOURCES DEPT.
SALEM, OREGON

Checking

400.00

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

RECEIPT # **57276**

158 12TH ST. N.E.
SALEM, OR 97310-0210
378-8455 / 378-8130 (FAX)

INVOICE # _____

RECEIVED FROM: City of Banks
BY: _____

| | |
|-------------|--------|
| APPLICATION | G15887 |
| PERMIT | |
| TRANSFER | |

CASH: ☐ CHECK: # 24-22 ☒ OTHER: (IDENTIFY) ☐

TOTAL REC'D \$ 400.00

0417 WRD MISC CASH ACCT

ADJUDICATIONS

\$

PUBLICATIONS / MAPS

\$

OTHER: (IDENTIFY)

\$

OTHER: (IDENTIFY)

\$

REDUCTION OF EXPENSE

CASH ACCT.

\$

PCA AND OBJECT CLASS

VOUCHER #

0427 WRD OPERATING ACCT

MISCELLANEOUS

0407

COPY & TAPE FEES

\$

0410

RESEARCH FEES

\$

0408

MISC REVENUE: (IDENTIFY)

\$

(New)

TC162

DEPOSIT LIAB. (IDENTIFY)

\$

WATER RIGHTS:

EXAM FEE

RECORD FEE

0201

SURFACE WATER

\$

0202

\$

0203

GROUND WATER

\$

0204

\$

0205

TRANSFER

\$

0206

\$

WELL CONSTRUCTION

EXAM FEE

LICENSE FEE

0218

WELL DRILL CONSTRUCTOR

\$

0219

\$

LANDOWNER'S PERMIT

0220

\$

OTHER (IDENTIFY)

0437 WELL CONST. START FEE

0211

WELL CONST START FEE

\$

CARD #

0210

MONITORING WELLS

\$

CARD #

OTHER (IDENTIFY)

0539 LOTTERY PROCEEDS

1302

LOTTERY PROCEEDS

\$

0467 HYDRO ACTIVITY

LIC NUMBER

0233

POWER LICENSE FEE (FW/WRD)

\$

0231

HYDRO LICENSE FEE (FW/WRD)

\$

HRDRO APPLICATION

\$

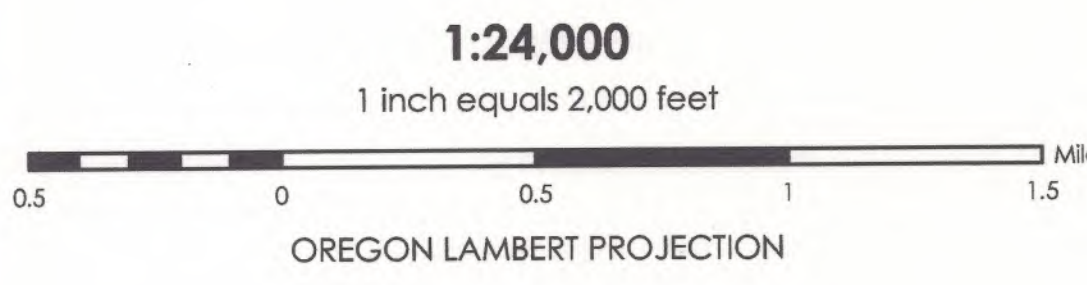
RECEIPT # **57276**

DATED: 12/5/02

BY: Connie Vance

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

GROUND WATER RIGHTS WITHIN 5-MILES OF BANKS



Water rights
Labelled with water right certificate # (italic) or permit number (normal).

- Points of appropriation (wells)
- Places of use

U.S.G.S. 7.5' (24K) quads shown on this map:

| | | |
|--|--|--|
| | | |
| | | |
| | | |



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