G 16039

Name BAILEY NURSERIES INC SUAVIE ISLAND DIV
SHIRLEN R WILSON
18616 NW REEDER RD
By PORTLAND OR 97231

Address

Date filed

Priority

Action suspended until C08

Return to applicant

Date of approval

CONSTRUCTION

Date for beginning

Date for completion

Extended to

Date for application of water 10-1-08

Extended to

PROSECUTION OF WORK

Form "A" filed

Form "B" filed

Form "C" filed

FINAL PROOF

Blank mailed

Proof received COBU 3/25/2010

Date certificate issued

Application No. G-16039

Permit No. G-15632

Certificate No.

Stream Index, Page No.

FEES PAID

Date	Amount	Receipt No.
6/26/03	775.00	60866
6/30/03	250.00	60978
3-25-10	150.00	79500
	Cert. Fee	

FEES REFUNDED

Date	Amount	Check No.

ASSIGNMENTS

Date	To Whom	Address	Volume	Page

REMARKS

COBU MAP #0491

SP*70900-119

Completion Checklist for CWRE Claims of Beneficial Use

Application # G-16039
Permit # G-15632
Transfer # ______
Date 3/26/2010
Reviewer [signature]

Date Received 3/25/2010
CWRE Name Jim Kness
Claim Logged ✓
File Marked ✓
Oversized Map # 0491
Read the file and attach a copy of the permit or transfer final order. ______

Map Review:

___✓ Map on polyester film (OAR 690-014-0170(1) & 310-0050(1)(b)
___✓ Application & permit #; or transfer # (OAR 690-014-0100(1)
___✓ Disclaimer (OAR 690-014-0170(5)
___✓ North arrow (OAR 690-310-0050(2)(c)
___✓ CWRE stamp and signature (OAR 690-014 & 310-0050)
___✓ Appropriate scale (1" = 1320', 1" = 400', or the original full-size scale of the county assessor map) (014 & 310)
___✓ Township, range, section, and tax lot numbers (OAR 690-310-0050(4)
______ Source illustrated if surface water (OAR 690-014-0170(3)
______ Point(s) of diversion or appropriation (illustrated) (OAR 690–014(4) & 690-310-0050)
______ Point(s) of diversion or appropriation (coordinates)(OAR 690–014(4) & 690-310-0050)
______ Conveyance structures illustrated (pump, pipelines, ditches, etc.) (OAR 690-310-0050)
______ Description of the location, in relation to the point of diversion or appropriation, of any fish screens, by-pass devices, and measuring devices required (OAR 690–014(4)
______ Place of use (1/4 1/4, or projected 1/4 1/4 lines within DLCs, or Gov Lots; if irrigation, # of acres in each subdivision; if for domestic or human consumption, location of dwelling or spigot) (OAR 690-310-0050, 690-014, 690-380-6010)

Report Review:

___✓ On form or format provided by the Department (OAR 690-014-0100(1)
___✓ Application & permit #; or transfer # (OAR 690-014)
___✓ Ownership information (OAR 690-014)
___✓ Date of survey (OAR 690-014)
___✓ Person interviewed (OAR 690-014)
___✓ County (OAR 690-014)
______ Tax lot information (OAR 690-014)
______ Description of conveyances system (from POD to POU) (OAR 690-014-0100)
______ Source(s) of water (OAR 690-014-0100)
______ Point of diversion/appropriation location (OAR 690-014-0100)
______ Use, period of use, and rate for use (OAR 690-014-0100)
______ Place of use location (OAR 690-014-0100)
______ Type of use (OAR 690-014-0100)
______ Extent of use (OAR 690-014-0100)
______ Rate and Duty (OAR 690-014-0100)
______ Diversion rate for each use (OAR 690-014-0100)
______ Diversion works description (pump make, serial model, capacity, and description) (OAR 690-014-0100)
______ System capacity (OAR 690-014-0100)
  ______ Calculated capacity of system (required)
  ______ Measured amount of use (optional)
______ Permit/Transfer Final Order Conditions (OAR 690-014-0100)
  ______ Time limits
  ______ Initial water level measurements
  ______ Annual static water level measurements
  Measurement, recording, and reporting
    ____ Meter/measuring device
    ____ Water use reporting
  ______ Fish screening and/or by-pass
  ______ Pump test (ground water)
  ______ Other conditions
  ______
  ______

___✓ CWRE stamp and signature (OAR 690-014-0100)
___✓ Signature(s) of permittee of transfer holder (OAR 690-014-0100)

DEF = deficient
N/A = Not Applicable

Certificate Issuance Processing Checklist

_____Map and COBU reviewed
_____Conflict check (include copy of plat card printout) Any Conflicts? _____
_____Check for ownership

Staff Recommendations:

_____ Proof to the Satisfaction has been established to the full extent as described in the permit or transfer order.

_____ Proof to the Satisfaction has been not been established to the full extent as described in the permit or transfer order and the right should be limited as follows: _____
_____
_____
_____
____

_____ Proof to the Satisfaction has not been established for the following reasons: _____
_____
_____
_____
____

Proposed Actions:
Send letter requesting the following items/information:_____
_____
_____
____

_____ Send letter recommending extension to cure deficiencies:_____
_____
___

Can certificate be processed further?
_____Yes

If "Yes":
_____Proposed
_____Final Certificate #_____

Mailing list:

Proposed:

Final:

CLAIM OF BENEFICIAL USE for Permits claiming more than 0.1 cfs and All Transfers

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

A fee of $150 must accompany this form to be accepted for permits with a priority date of July 9, 1987, or later. (ORS 536.050(1))

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.wrd.state.or.us/OWRD/WR/cwre_info.shtml#.

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.

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.wrd.state.or.us/OWRD/mgmt_reimbursement_authority.shtml.

SECTION 1
GENERAL INFORMATION

1. File Information

APPLICATION # (G, R, S OR T)	PERMIT # (IF APPLICABLE)	PERMIT AMENDMENT # (IF APPLICABLE)
G-16039	**G-15632**	

2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME		PHONE NO.	ADDITIONAL CONTACT NO.
Bailey Nurseries, Inc.		**503-936-3462**	**503-621-3304 (FAX)**
ADDRESS **Attn: Shane Brockshus, 18616 NW Reeder Rd.**			
CITY **Portland**	STATE **OR**	ZIP **97231**	E-MAIL **shane.brockshus@baileynursery.com**

If the current property owner is not the permit or transfer holder of record, it is recommended that an assignment be filed with the Department. **The COBU must be signed by the permit or transfer holder of record.**

3. Is the Property Owner the permit or transfer holder of record? **YES**

If "YES" the remainder of this item may be deleted.

Are there additional permit or transfer holders of record? **NO**

If "NO" the following box may be deleted.

4. Date of Site Inspection: **3/3/2010**

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

NAME	DATE	ASSOCIATION WITH THE PROJECT
Shane Brockshus	**3/3/10**	**Production Manager**
Rick Stenlund	**3/3/10**	**Building Maintenance**

6. County: **Multnomah**

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

**Mark "NA" if there are no owners of property not included in this claim

OWNER OF RECORD **N/A**		
ADDRESS		
CITY	STATE	ZIP

Are there additional Owners of Record? **NO**

If "NO" the following box may be deleted.

RECEIVED
MAR 25 2010
WATER RESOURCES DEPT
SALEM, OREGON

SECTION 2
SYSTEM DESCRIPTION

A. Points of Diversion/Appropriation

1. Point of diversion/appropriation name or number:

POINT OF DIVERSION/APPROPRIATION (POD/POA) NAME OR NUMBER (CORRESPOND TO MAP)	WELL LOG ID # FOR ALL WORK PERFORMED ON THE WELL (IF APPLICABLE)	WELL TAG # (IF APPLICABLE)
Well #1	**Mult 74646**	**L 71775**
Well #2	**Mult 74192**	**L 72742**

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 diversion/appropriation source and, if from surface water, the tributary:

POD/POA NAME OR NUMBER	SOURCE	TRIBUTARY
Well #1	**Alluvial Aquifer**	**N/A**
Well #2	**Alluvial Aquifer**	**N/A**

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

POD/POA Name or Number	Uses	If Irrigation, List Crop Type	Season or Months When Water was Used	Rate or Volume for Use (CFS, GPM, or AF)
Well #1	**Nursery**	**Nursery Crops**	**Year Round**	**1.74 cfs**
Well #2	**Nursery**	**Nursery Crops**	**Year Round**	**1.02 cfs**
Total Quantity of Water Used				**2.76 cfs**

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

Point of Appropriation Well #1 pumps water via a 60hp turbine pump through a 10" steel above ground pipe that transitions to a 10" PVC underground pipe. That pipe discharges into the existing irrigation ditch (labeled as "Marquam Dry Lake Canal" on COBU map) approximately 75' west of the well. Water is pumped out of this canal via up to four 100 HP centrifugal pumps and distributed to the nursery via main pipelines that vary in diameter from 18" to 6" buried PVC. 3" diameter aluminum above ground laterals are used to move water to the place of use.

Point of Appropriation Well#2 pumps water via a 30 hp submersible pump through a 4" diameter steel pipe to the surface and then via 6" diameter underground PVC to the green process warehouse and 2 hydrants for nursery uses.

SECTION 2

SYSTEM DESCRIPTION (B through H)

Are there multiple PODs or POAs? **YES**

If *"YES"* you will need to copy and complete Sections 2B through 2H for each POD/POA.

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

Well #1

B. Place of Use

1. Is the right for municipal use? **NO**

If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	Q-Q	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
2N	1W	WM	10	SW-NE	Lot 1		Nursery	14.6	----
2N	1W	WM	10	SW-NE		39	"	0.2	----
2N	1W	WM	10	SE-NW	Lot 2		"	20.2	----
2N	1W	WM	10	NE-SW	Lot 5		"	29.5	----
2N	1W	WM	10	NE-SW		40	"	9.9	----
2N	1W	WM	10	NW-SW		40	"	0.6	----
2N	1W	WM	10	SW-SW		41	"	21.2	----
2N	1W	WM	10	SW-SW		40	"	0.1	----
2N	1W	WM	10	SE-SW		40	"	28.7	----
2N	1W	WM	10	SE-SW		41	"	11.3	----
2N	1W	WM	10	NW-SE	Lot 6		"	22.1	----
2N	1W	WM	10	NW-SE		39	"	1.5	----
2N	1W	WM	10	NW-SE		40	"	7.6	----
2N	1W	WM	10	SW-SE		39	"	11.0	----
2N	1W	WM	10	SW-SE		40	"	29.0	----
2N	1W	WM	10	SE-SE		39	"	40.0	----
2N	1W	WM	11	SW-SW		39	"	32.0	----
2N	1W	WM	14	NW-NW		39	"	16.6	----
2N	1W	WM	14	NW-NW		40	"	22.8	----
2N	1W	WM	14	SW-NW		40	"	40.0	----
2N	1W	WM	14	NE-SW		40	"	2.4	----
2N	1W	WM	14	NW-SW		40	"	40.0	----
2N	1W	WM	14	SW-SW		40	"	36.4	----
2N	1W	WM	14	SE-SW		40	"	31.0	----
2N	1W	WM	14	SW-SE		40	"	18.6	----
2N	1W	WM	15	NE-NE		39	"	16.0	----
2N	1W	WM	15	NE-NE		40	"	24.0	----
2N	1W	WM	15	NW-NE		39	"	4.1	----
2N	1W	WM	15	NW-NE		40	"	32.6	----
2N	1W	WM	15	NW-NE		41	"	3.3	----
2N	1W	WM	15	SW-NE		40	"	12.6	----
2N	1W	WM	15	SW-NE		41	"	27.4	----
2N	1W	WM	15	SE-NE		40	"	40.0	----
2N	1W	WM	15	NE-NW		40	"	3.9	----
2N	1W	WM	15	NE-NW		41	"	36.0	----
2N	1W	WM	15	NW-NW		41	"	13.0	----
2N	1W	WM	15	SE-NW		41	"	22.3	----
2N	1W	WM	15	NE-SW		41	"	19.2	----
2N	1W	WM	15	SE-SW		41	"	0.8	----

TWP	RNG	MER	SEC	Q-Q	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
2N	1W	WM	15	NE-SE		40	"	26.8	----
2N	1W	WM	15	NE-SE		41	"	0.2	----
2N	1W	WM	15	NW-SE		41	"	17.0	----
2N	1W	WM	15	SE-SE		40	"	2.4	----
2N	1W	WM	23	NW-NE		40	"	6.2	----
2N	1W	WM	23	NE-NW		40	"	36.3	----
2N	1W	WM	23	NW-NW		40	"	10.8	----
2N	1W	WM	23	SE-NW		40	"	2.8	----
Total Acres Irrigated								845.0	0.0

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

C. 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 diversion/appropriation to the place of use.

1. Is a pump used? **YES**

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
Emerson	**BF60A**	**J01-BF60A-M**	**Turbine**	**10"**	**10"**

3. Motor Information

MANUFACTURER	HORSEPOWER
Emerson	**60 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)
60	**70**	**50'**	**15'**	**1.74**

5. Provide pump calculations:

Q pump = $\frac{\text{(HP) (pump eff.)}}{\text{(total head in ft.)}} = \frac{(60)\ (7.04)}{(177.8' + 50' + 15')} = 1.74$ cfs [780 gpm]

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)
	13,858,000 gallons		

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

7. Is the distribution system piped? **YES**

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

8. Mainline Information

Mainline Size	Length	Type of Pipe	Buried or Above Ground
18" to 6" diameter	**~ 25,000'**	**PVC**	**Buried**

9. Lateral or Handline Information

Lateral or Handline Size	Length	Type of Pipe	Buried or Above Ground
3"	**~ 5000 @ 40'**	**Aluminum**	**Above ground**

10. Sprinkler Information

Size	Operating PSI	Sprinkler Output (GPM)	Total Number of Sprinklers	Maximum Number Used	Total Sprinkler Output (CFS)
3/16	**50**	**7.2**	**> 300**	**175**	**2.81 (from wells)**
				300	**Sauvie Island Drainage Dist.**

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

11. Pivot Information

Manufacturer	Maximum Wetted Radius	Operating PSI	Total Pivot Output (GPM)	Total Pivot Output (CFS)
N/A				

12. Additional notes or comments related to the system:

Wells pump water to irrigation ditch/canal. Irrigation canal acts as a "bulge in the system" prior to water being pumped via up to four 100 HP centrifugal pumps to the irrigation main lines and on to nursery land.

D. Groundwater Source Information (Well and Sump)

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

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:

Angled access port from main well casing.

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
See attached well logs. MULT 74646 & 74191						

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.

MULT 74191 & 74646 are for the same well. MULT 74191 was superceded by MULT 74646 when improvement work was completed on the well.

5. Is the appropriation from a dug well (sump)? **NO**

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

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

E. Storage

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

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

If "YES" is it a: Storage Tank **NO**

Bulge in System / Reservoir **YES**

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

3. Bulge in System / Reservoir:

RESERVOIR NAME OR NUMBER (CORRESPOND TO MAP)	APPROXIMATE DAM HEIGHT	APPROXIMATE CAPACITY (IN ACRE FEET)
Irrigation Canal (Marquam Dry Lake Canal)	**N/A**	**N/A**

F. Gravity Flow Pipe

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

1. Does the system involve a gravity flow pipe? **NO**

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

G. Gravity Flow Canal or Ditch

(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? **NO**

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

H. Reservoir

1. Does the claim involve a reservoir modified through a transfer? **NO**

Reminder: This section should only be completed if the reservoir right has been modified through the transfer process. If the claim is for a permitted reservoir use the Claim of Beneficial Use form for reservoirs.

*If "**NO**", items 2 through 9 relating to this section may be deleted.*

SYSTEM DESCRIPTION (B through H)

Are there multiple PODs or POAs? **YES**

If *"YES"* you will need to copy and complete Sections 2B through 2H for each POD/POA.

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

Well #2

B. Place of Use

1. Is the right for municipal use? **NO**

If "YES" the table below may be deleted.

The "Place of Use" table is the same for Well #2 as the table for Well #1. Refer to the table in Well #1 section above.

C. 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 diversion/appropriation to the place of use.

1. Is a pump used? **YES**

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
Berkeley	**7T30-350**	**M13348**	**Submersible**	**6"**	**6"**

3. Motor Information

MANUFACTURER	HORSEPOWER
Franklin Electric	**30 HP**
(S/N 05C19-30-D111)	

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)
30	**60**	**40'**	**15'**	**1.02**

5. Provide pump calculations:

$$Q\ pump = \frac{(HP)\ (Pump\ Eff.)}{(total\ head\ in\ ft.)} = \frac{(30)\ (7.04)}{152.4 + 40' + 15'} = 1.02\ cfs \quad [460gpm]$$

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)
	3,500 gallons		

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

7. Is the distribution system piped? **YES**
If "NO" items 8 through item 11 may be deleted. **See Notes.**

8. Mainline Information

9. Lateral or Handline Information

10. Sprinkler Information

11. Pivot Information

12. Additional notes or comments related to the system:

*** All information regarding the irrigation system is the same for Well #2 as for Well #1. Refer to information is the section for Well #1 above.**

D. Groundwater Source Information (Well and Sump)

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

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:

Access port is a vent hole located on top of well casing. Curved vent pipe can be removed for access.

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
See attached well log MULT 74192						

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.

5. Is the appropriation from a dug well (sump)? **NO**

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

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

E. Storage

1. Does the distribution system include in-system storage (i.e. storage tank, bulge in system / reservoir) **NO**

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

F. Gravity Flow Pipe

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

1. Does the system involve a gravity flow pipe? **NO**

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

G. Gravity Flow Canal or Ditch

(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? **NO**

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

H. Reservoir

1. Does the claim involve a reservoir modified through a transfer? **NO**

Reminder: This section should only be completed if the reservoir right has been modified through the transfer process. If the claim is for a permitted reservoir use the Claim of Beneficial Use form for reservoirs.

*If "**NO**", items 2 through 9 relating to this section may be deleted.*

SECTION 3

CONDITIONS

Please pay special attention to this section. All conditions contained in the permit, permit amendment, transfer final order, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. Time Limits:

Permits, transfer final orders, and any 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 is to be completed by. 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, extension or transfer final order:

	Date from Permit or Transfer	Date Accomplished*	Description of Actions Taken by Water User to Comply with the Time Limits
Issuance Date	**05/20/04**		
Begin construction (A)	Not specified	07/07/04	Began installing Well #1.
Complete construction (B)	Not specified	08/30/08	Completed construction of Wells #1 & #2 in 2004. Completed irrigation system installation in 2008.
Complete application of water (C)	10/01/08	08/30/08	Applied water.

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

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

If "NO", you may delete item 3 in this section.

4. Initial Water Level Measurements:

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

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

5. Annual Static Water Level Measurements:

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

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

6. 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**

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

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

c. Is the pump test attached to this claim? **YES**

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

Refer to Permit G-9537

7. Measurement Conditions:

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

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**

c. Meter Information

POD/POA Name or #	Manufacturer	Serial #	Condition (working or not)	Current Meter Reading	Date Installed
Well #1	**McCrometer**	**05-03587-6**	**Working**	**13,858,000**	**~2005**
Well #2	**McCrometer**	**10-01258-06**	**Working**	**3,500**	**3/01/2010***

d. If a meter has not been installed, has a suitable measuring device been installed and approved by the Department? **N/A**

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

8. Recording and reporting conditions

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

If "NO", item 8b relating to this section may be deleted.

b. Have the reports been submitted? **YES**

Method of Submitting Report (Paper or Electronic)	Water User Reporting ID
Electronic	**9740**

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

9. Fish Screening

a. Are any points of diversion required to be screened to prevent fish from entering the point of diversion? **NO**

If "NO", items 9b through 9e relating to this section may be deleted.

10. By-pass Devices

a. Are any points of diversion required to have a by-pass device to prevent fish from entering the point of diversion? **NO**

If "NO", items 10b and 10c relating to this section may be deleted.

Reminder: If by-pass devices were required, the COBU map must indicate their location in relation to the point of diversion.

11. Other conditions required by permit, permit amendment final order, extension final order, or transfer final order

a. Were there special well construction standards? **NO**

b. Was submittal of a ground water monitoring plan required? **NO**

c. Was the water user required to restore the riparian area if it was disturbed? **NO**

d. Was a fishway required? **NO**

e. Was submittal of a letter from an engineer required prior to storage of water? **NO**

f. Was submittal of a water management and conservation plan required? **NO**

g. Other conditions? **NO**

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

SECTION 4

VARIATIONS

Include a description of variations from the permit, permit amendment final order, extension final order, or transfer final order. (i.e. *"The permit allowed three points of diversion. 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."*)

1) **Pump Test Exemption Request: As per OAR 690-217-0020 (3), the permittee requests that the pump test data completed in 2004 for well MULT 1623 and under Permit # G-9537 be allowed for use under this permit and COBU submittal.**
2) ***Current meter for Well #2 was installed in 2010. Permittee had records tracking water usage back to 2008.**
3) **The actual location of Well #2 differs from the estimated location for the well prior to drilling as submitted on the 2003 application map. Location documented on the COBU map.**

SECTION 5

ATTACHMENTS

If you are attaching any documents to this report, provide a list:

ATTACHMENT NAME	DESCRIPTION
1) COBU Map	**Claim of Beneficial Use map.**
2) Permit G-15632	
3) Well Logs	**Well logs for Well #1 & #2.**
4) Pump Test Report	**Topo map, cover sheet & data sheet with well log for MULT 1623.**
5) Water Use Reports	**2009 water use reports for Wells #1 & #2**
6) Tax Assessor Maps	**Copies of four tax maps showing tax lot boundary lines.**
7) 3/16/10 WRD email	**E-mail from Water Resources granting an exemption to mapping the tax lot boundary lines on the COBU map.**

SECTION 6

CLAIM SUMMARY

POD / POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
Wells #1& #2	**6.684**	**2.76**		**Nursery**	**855.4**	**845.0**

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 was prepared using the following sources:

1) **Base Map and DLC Lines: Multnomah County, Record of Survey #58107.**
2) **Quarter Sections: File G-16039 water right application map, Certificate 49880 FPS map, and Tax Maps 2N 1W 10, 2N 1W 10 Detail #7, 2N 1W 14, 2N 1W 23B.**
3) **Irrigated/Nursery Areas: Field Inspection and 2009 Navteq Aerial Photograph (Bing Maps).**

Locations were verified during the site inspection with handheld GPS.

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, fish by-pass devices, meters and 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 **[N/A]**

☒ 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

SECTION 8
SIGNATURES

CWRE Statement, Seal and Signature

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

Seal and Signature

CERTIFIED WATER RIGHT EXAMINER
#81361
William Patrick Kness
June, 8 2009
STATE OF OREGON
EXPIRES 06/30/2011

RECEIVED
MAR 2 5 2010
WATER RESOURCES DEPT
SALEM, OREGON

CWRE NAME		PHONE NO.	ADDITIONAL CONTACT NO.
William Kness		**503-357-5717**	**Eric Urstadt 357-5717**
ADDRESS **2137 19th Avenue**			
CITY **Forest Grove**	STATE **OR**	ZIP **97116**	E-MAIL **ericurstadt@stuntzner.com**

Permit or Transfer Holder's of Record Signature or Acknowledgement

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	DATE
	Shane Brockshus	3/18/2010

STATE OF OREGON

(2)

COUNTY OF MULTNOMAH

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

BAILEY NURSERIES INC.
SAUVIE ISLAND DIVISION
18616 NW REEDER RD
PORTLAND, OR 97231

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

APPLICATION FILE NUMBER: G-16039

SOURCE OF WATER: WELL 1 AND WELL 2 IN MUD SLOUGH BASIN

PURPOSE OR USE: NURSERY USE ON 855.4 ACRES

MAXIMUM RATE: 6.684 CUBIC FEET PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: JUNE 26, 2003

WELL LOCATION:

WELL 1: NW ¼ NW ¼, SECTION 15, T2N, R1W, W.M.; 500 FEET SOUTH & 900 FEET EAST FROM NW CORNER, SECTION 15

WELL 2: SE ¼ NE ¼, SECTION 15, T2N, R1W, W.M.; 1850 FEET SOUTH & 800 FEET WEST FROM NE CORNER, SECTION 15

The amount of water used for nursery use is limited to a maximum of 5.0 acre feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one fortieth of one cubic foot per second and 5.0 acre feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre per year. The use of water for nursery use may be made at any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SW ¼ NE ¼ (GOVT LOT: 1) 14.8 ACRES
SE ¼ NW ¼ (GOVT LOT: 2) 20.2 ACRES

NE ¼ SW ¼	(GOVT LOT: 5)	40.0 ACRES
NW ¼ SW ¼	(GOVT LOT: 4)	0.6 ACRE
SW ¼ SW ¼	(GOVT LOT: 7)	21.3 ACRES
SE ¼ SW ¼		40.0 ACRES
NW ¼ SE ¼	(GOVT LOT: 6)	31.2 ACRES
SW ¼ SE ¼		40.0 ACRES
SE ¼ SE ¼		40.0 ACRES

SECTION 10

SW ¼ SW ¼	32.0 ACRES

SECTION 11

NW ¼ NW ¼	39.4 ACRES
SW ¼ NW ¼	40.0 ACRES
NE ¼ SW ¼	2.4 ACRES
NW ¼ SW ¼	40.0 ACRES
SW ¼ SW ¼	36.4 ACRES
SE ¼ SW ¼	31.0 ACRES
SW ¼ SE ¼	18.6 ACRES

SECTION 14

NE ¼ NE ¼	40.0 ACRES
NW ¼ NE ¼	40.0 ACRES
SW ¼ NE ¼	40.0 ACRES
SE ¼ NE ¼	40.0 ACRES
NE ¼ NW ¼	39.9 ACRES
NW ¼ NW ¼	13.0 ACRES
SE ¼ NW ¼	22.3 ACRES
NE ¼ SW ¼	19.9 ACRES
SE ¼ SW ¼	0.8 ACRE
NE ¼ SE ¼	27.0 ACRES
NW ¼ SE ¼	17.0 ACRES
SE ¼ SE ¼	2.4 ACRES

SECTION 15

NW ¼ NE ¼	9.0 ACRES
NE ¼ NW ¼	39.4 ACRES
NW ¼ NW ¼	10.8 ACRES
SE ¼ NW ¼	6.0 ACRES

SECTION 23

TOWNSHIP 2 NORTH, RANGE 1 WEST, W.M.

Measurement, recording and reporting conditions:

A. Before water use may begin under this permit, a totalizing flow meter must be installed at each diversion point. The totalizing flow meter must be installed and maintained consistent with those standards identified in OAR 690-507-645(1) through (3). The permittee shall maintain the meter in good working order, shall keep a complete record of the amount

of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. 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.

STANDARD CONDITIONS

If the number, location, or construction of any well deviates from that proposed in the permit application or permit conditions, the conclusions of the Proposed Final Order and Final Order under which this permit was granted may be revised, conditions may be appropriately revised, or this permit may not be valid.

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 wells 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.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Complete application of the water to the use shall be made on or before October 1, 2008. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based upon the merit of the application.

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 May 20, 2004

Paul R. Cleary, Director
Water Resources Department

REAL ESTATE TRANSACTIONS: Pursuant to ORS 537.330, in any transaction for the conveyance of real estate that includes any portion of the lands described in this permit, the seller of the real estate shall, upon accepting an offer to purchase that real estate, also inform the purchaser in writing whether any permit, transfer approval order, or certificate evidencing the water right is available and that the seller will deliver any permit, transfer approval order or certificate to the purchaser at closing, if the permit, transfer approval order or certificate is available.

CULTURAL RESOURCES PROTECTION LAWS: Permittees involved in ground-disturbing activities should be aware of federal and state cultural resources protection laws. ORS 358.920 prohibits the excavation, injury, destruction or alteration of an archeological site or object, or removal of archeological objects from public and private lands without an archeological permit issued by the State Historic Preservation Office. 16 USC 470, Section 106, National Historic Preservation Act of 1966 requires a federal agency, prior to any undertaking to take into account the effect of the undertaking that is included on or eligible for inclusion in the National Register. For further information, contact the State Historic Preservation Office at 503-378-4168, extension 232.

Water Use Reporting Entry

Logout

BAILEY NURSERIES, INC.
DON POND
9855 NW PIKE RD
YAMHILL, OR 97148

Now reporting for water year: 2009. The deadline for this is 3/31/2010.

Records per Page: 2

	Report ID	Facility	Associated Water Rights & Description
Select	61856		Permit:G 15632 * WELL 1; 2N-1W-15-NW NW; 500 FEET SOUTH & 900 FEET EAST FROM NW CORNER, SECTION 15
Select	61857		Permit:G 15632 * WELL 2: 2N-1W-15-SE NE; 1850 FEET SOUTH & 800 FEET WEST FROM NE CORNER, SECTION 15

12345678

Report ID: 61856

Water Year	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2009	G	0.0	0.0	0.0	0.0	0.0	110000.0	374600.0	523000.0	601300.0	790000.0	703900.0	594200.0

Water Use Reporting Entry

Logout

BAILEY NURSERIES, INC.
DON POND
9855 NW PIKE RD
YAMHILL, OR 97148

Now reporting for water year: 2009. The deadline for this is 3/31/2010.

Records per Page: 2

	Report ID	Facility	Associated Water Rights & Description
Select	61856		Permit:G 15632 * WELL 1; 2N-1W-15-NW NW; 500 FEET SOUTH & 900 FEET EAST FROM NW CORNER, SECTION 15
Select	**61857**		**Permit:G 15632 * WELL 2; 2N-1W-15-SE NE; 1850 FEET SOUTH & 800 FEET WEST FROM NE CORNER, SECTION 15**

12345678

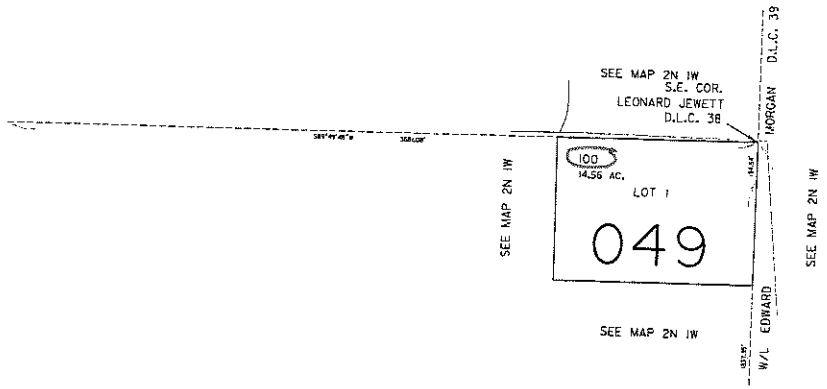
Report ID: 61857

Water Year	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2009	G	74300.0	85100.0	72400.0	70600.0	68200.0	47300.0	29600.0	21100.0	17000.0	15200.0	13500.0	10900.0

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY

SECTION 10 T.2N. R.1W. W.M.
MULTNOMAH COUNTY
1"= 400' → NOT PRINTED AT THIS SCALE

2N 1W 10
↓
TAX LOT 100



2N 1W 10

RECEIVED
MAR 26 2010
WATER RESOURCES DEPT
SALEM, OREGON

.../MAPS/MULT/2N1W/2N1W10.DGN 04/16/2004 12:39:13 PM

(6)

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY

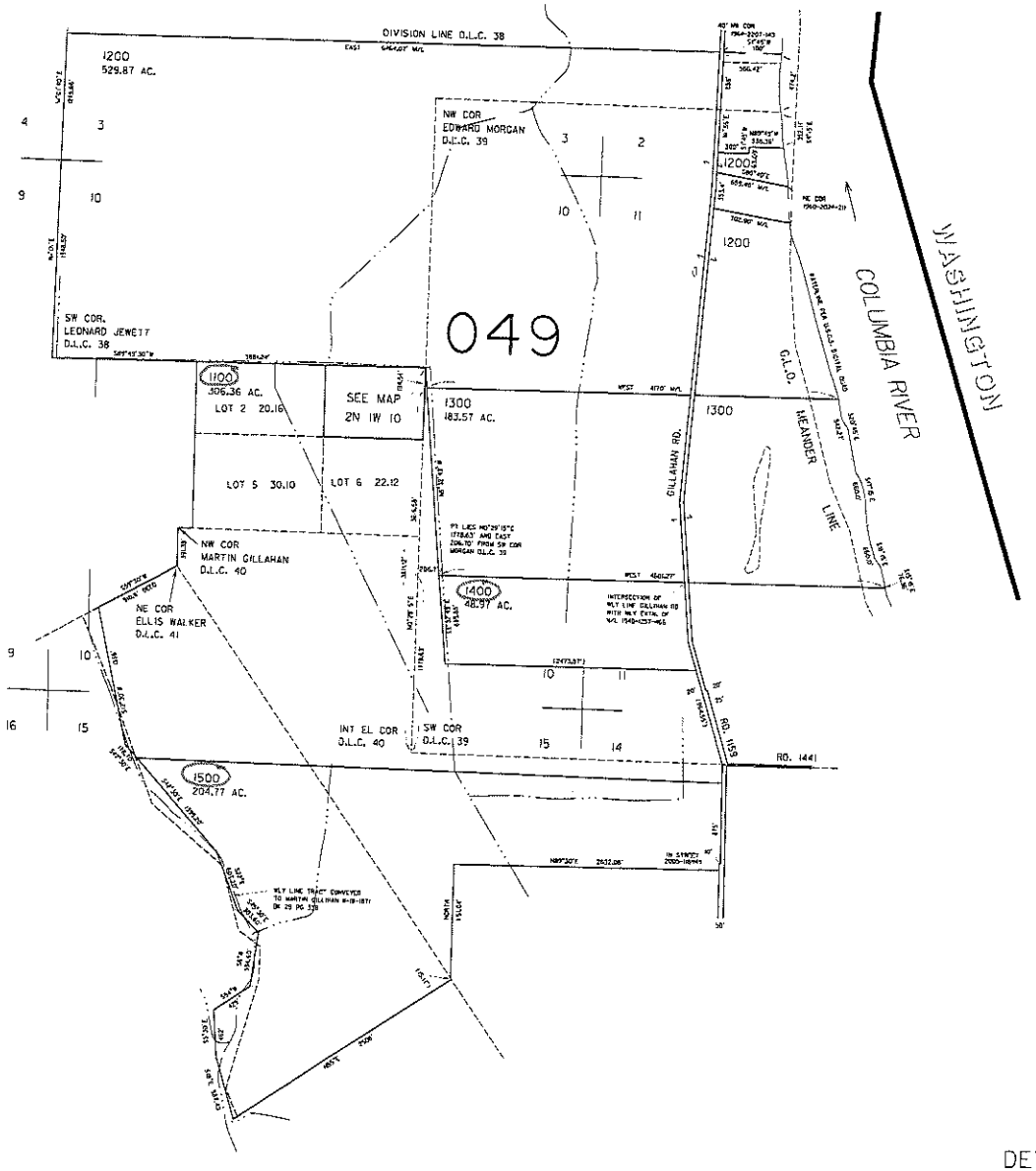
DETAIL MAP
T.2N. R.1W. W.M.
MULTNOMAH COUNTY

1" = 800'

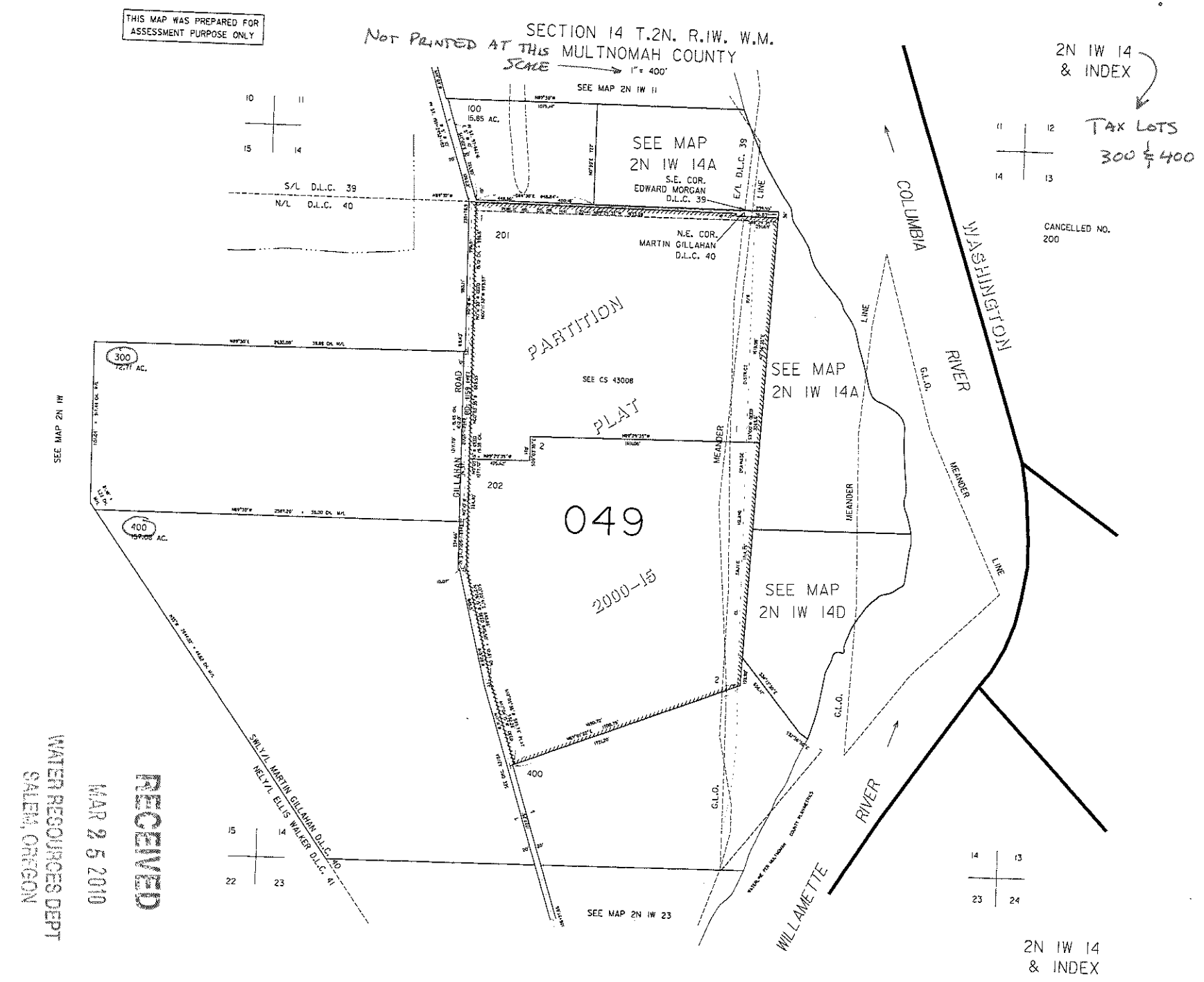
2N 1W
DETAIL MAP
NO. 7

SECTION 10

TAX LOTS
1100, 1400, & 1500

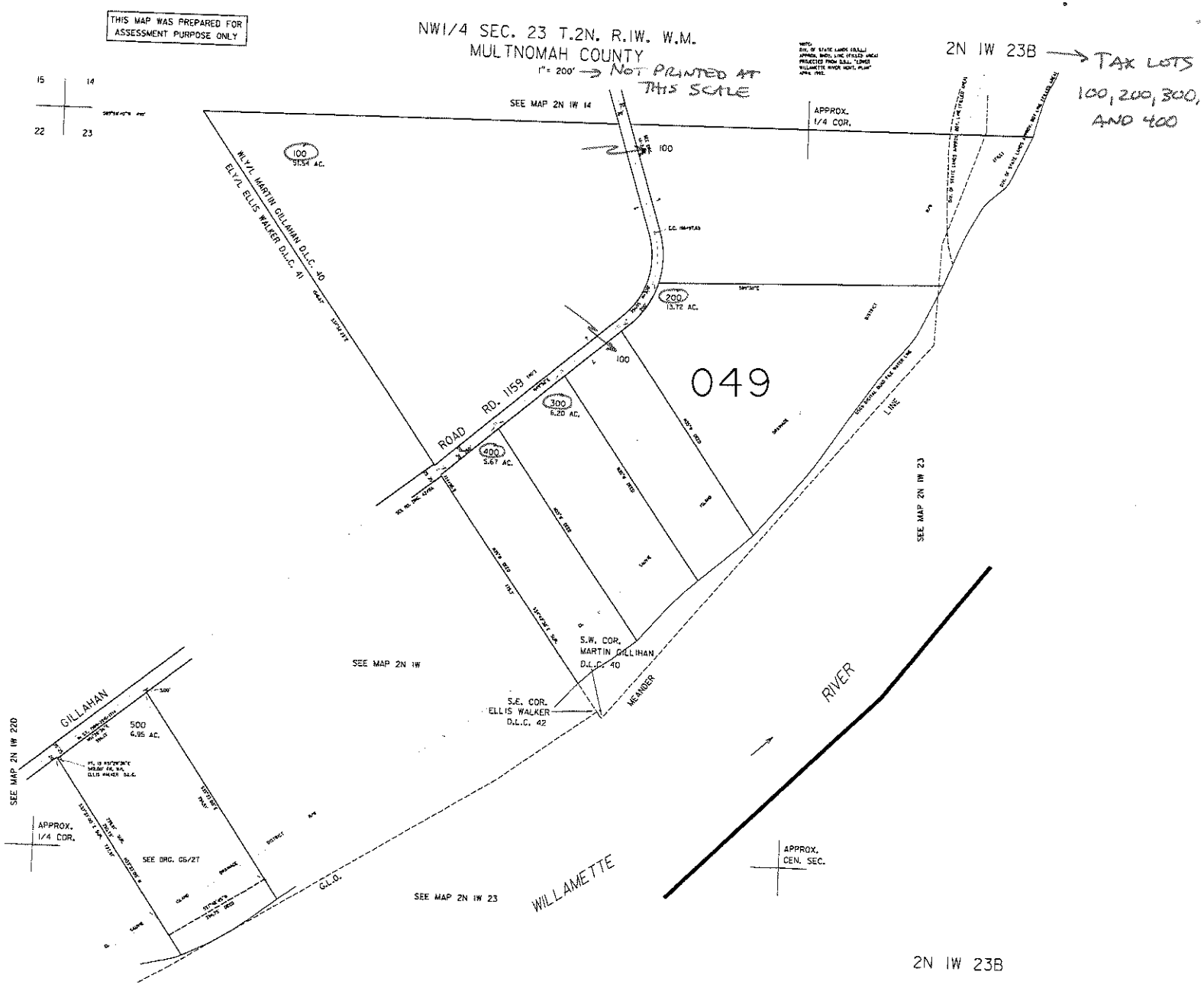


2N 1W
DETAIL MAP
NO. 7



RECEIVED
MAR 25 2010
WATER RESOURCES DEPT
SALEM, OREGON

.../MAPS/MULT/2N1W/2n1w14.dgn 2/20/2009 11:03:40 AM



.../MAPS/MULT/2N1W/2N1W23B.DGN 5/10/2006 7:37:16 AM

Well #1 (3)

MULT 74646

A.M. JANNSEN WELL DRILLING CO., INC.

21075 SW Tualatin Valley Highway
ALOHA, OREGON 97006
(503) 649-5563

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

SHOULD BE 15

WELL I.D. # L 71775
START CARD # 170270

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

(1) LAND OWNER Well Number #1
Name BAILEY NURSERY INC.
Address 18616 NW REEDER RD.
City PORTLAND State OR Zip 97231

(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 258 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
			ORIGINAL SEAL NOT DISTURBED			
			SEE #12			

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:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

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
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

Yield gal/min	Drawdown	Drill stem at	Time
300	56'		210 minutes

Temperature of water 56°F 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 by legal description:
County MULTNOMAH Latitude Longitude
Township 2N N or S Range 1W E or W. WM.
Section 11 NW 1/4 NW 1/4
Tax Lot 1400 Lot Block Subdivision
Street Address of Well (or nearest address) 19815 NW GILLIHAN RD. PORTLAND, OR

(10) STATIC WATER LEVEL:
1 ft. below land surface. Date 10/07/04
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 180

From	To	Estimated Flow Rate	SWL
180	250	300 gpm	1

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Set up over existing well	0	258	1
Pulled upper liner & packers out. (136-186')			
Backfilled bore from bottom to 189', Pressured grouted w/42 sks. cement from 189-158'			
Drilled out w/12" dia.	158	180	
Drilled " w/9-7/8" "	180	189	
Cleaned out fill to bottom @ 258'			
Test pump well 210 minutes.			

RECEIVED
NOV 12 2004
WATER RESOURCES DEPT
SALEM, OREGON

RECEIVED
OCT 22 2004
WATER RESOURCES DEPT
SALEM, OREGON

RECEIVED
MAR 25 2010
WATER RESOURCES DEPT
SALEM, OREGON

Date started 09/28/04 Completed 10/07/04

(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 10/14/04

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

MULT 74191

Well #1 (Superceded)

A.M. JANSEN WELL DRILLING CO. INC.
21075 S.W. T.V. HWY.
ALOHA, OR 97006

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

SHOULD BE (15)

WELL I.D. # L 71775
START CARD # 168381

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

(1) LAND OWNER Well Number #1
Name BAILEY NURSERY INC.
Address 18616 N.W. REEDER RD.
City PORTLAND State OR Zip 97231

(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 258 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
19½	0	179	Cem/Bent	0	179	92 Sacks
13¼	179	258				

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:	14	0	174	.250	☒	☐	☒	☐
Liner:	12	158	180	.250	☒	☐	☒	☐
	12	250	258	.250	☒	☐	☒	☐
	12	136	158	.250	☒	☐	☒	☐
	10	158	186	.250	☒	☐	☒	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s) Packers 137', 157', 158' 186'

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☒ Screens Type Wound Wire Material Stainless

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
180	250	.060		12	Tele	☐	☒
						☐	☐
						☐	☐
						☐	☐

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

Yield gal/min	Drawdown	Drill stem at	Time
500	30		45 MIN.
700	41		45 MIN.
1000	70		2 hrs.

Temperature of water 56°F 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:

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SALEM, OREGON

(9) LOCATION OF WELL by legal description:
County Multnomah Latitude Longitude
Township 2N N or S Range 1W E or W WM.
Section 11 NW 1/4 NW 1/4
Tax Lot 1400 Lot Block Subdivision
Street Address of Well (or nearest address)
19815 N.W. Gillihan Rd

(10) STATIC WATER LEVEL:
1 ft. below land surface. Date 8-30-04
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 180

From	To	Estimated Flow Rate	SWL
180	250	1000 GPM	1'

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Topsoil	0	1	
Brn clay	1	3	
Gry clay	3	14	
Gry silty clay	14	33	
Fine gry muddy sand w/ wood.	33	142	
Soft Dk. Gry clay	142	176	
Fine to med gravel w/ some clay & Sand.	176	190	1'
Med to coarse gravel occ fine.	190	196	
Fine to med gravel	196	213	
Med to coarse gravel	213	233	
Fine to med gravel	233	244	
Gravel	244	246	1'
Coarse gravel	246	252	
Gray clay	252	258	

Date started 7-7-04 Completed 8-30-04

(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 9/16/04

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WATER RESOURCES DEPT
SALEM, OREGON

MULT 74192

Well #2

A.M. JANNSEN WELL DRILLING CO. INC.

21075 S.W. T.V. HWY.
ALOHA, OR 97006

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.

Should be (15)

WELL I.D. # L 72742
START CARD # 169087

(1) LAND OWNER Well Number #2
Name BAILEY NURSERY INC.
Address 18616 N.W. REEDER RD.
City PORTLAND State OR Zip 97231

(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 235 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
12¼	0	235	Cement	0	195	72 Sacks

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from 195 ft. to 235 ft. Size of gravel 1C, 12x16

(6) CASING/LINER: 1/16x¼

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8	+2	211	.250	☒	☐	☒	☐
	8	231	235	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

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

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☒ Screens Type Wound Wire Material Stainless

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
211	231	.020		8	Pipe	☒	☐
						☐	☐
						☐	☐
						☐	☐

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

Yield gal/min	Drawdown	Drill stem at	Time
75	14		1 hr.
200		40	"

Temperature of water 56°F 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 by legal description:
County Multnomah Latitude Longitude
Township 2N N or S Range 1W E or W. WM.
Section 11 NW 1/4 NW 1/4
Tax Lot 1400 Lot Block Subdivision
Street Address of Well (or nearest address)
19815 N.W. Gillihan Rd

(10) STATIC WATER LEVEL:
12 ft. below land surface. Date 9-13-04
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 211

From	To	Estimated Flow Rate	SWL
211	231	200 gpm	12

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Topsoil	0	1	
Brn clay	1	15	
Soft gry silty cly	15	33	
Sticky gry clay	33	76	
Fine gry muddy sand w/ clay wood.	76	156	
Fine to med blk sand w/some coarse.	156	203	
Fine to med gravel	203	215	12'
Med fine to med coarse gravel.	215	235	12'

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SALEM, OREGON

Date started 8-30-04 Completed 9-13-04

(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 9/16/04

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MAR 25 2010
WATER RESOURCES DEPT
SALEM, OREGON

Stuntzner Engineering & Forestry, LLC

PHONE: (503) 357-5717
FAX: (503) 357-5698
EMAIL: ericurstadt@stuntzner.com

2137 19th Avenue
Forest Grove, OR 97116

COOS BAY - FOREST GROVE - DALLAS - BROOKINGS

March 22, 2010

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

Re: Permit G-15632 Claim of Beneficial Use

To whom it may concern:

On behalf of Bailey Nurseries, Inc., we are submitting the enclosed materials for a *Claim of Beneficial Use (COBU)* for the above referenced permit. This COBU is for property located along NW Gillihan Road at the south end of Sauvie Island. Note that we are the applicant's agent for this COBU. **Please send correspondence regarding this claim to:**

Eric Urstadt
Stuntzner Engineering & Forestry, LLC
2137 19th Avenue
Forest Grove, OR 97116

The attachments included with the COBUs are listed in *Section 5 – Attachments* of the COBU form. A $150.00 check to Water Resources Department is also attached to cover the fee for the claim submittal.

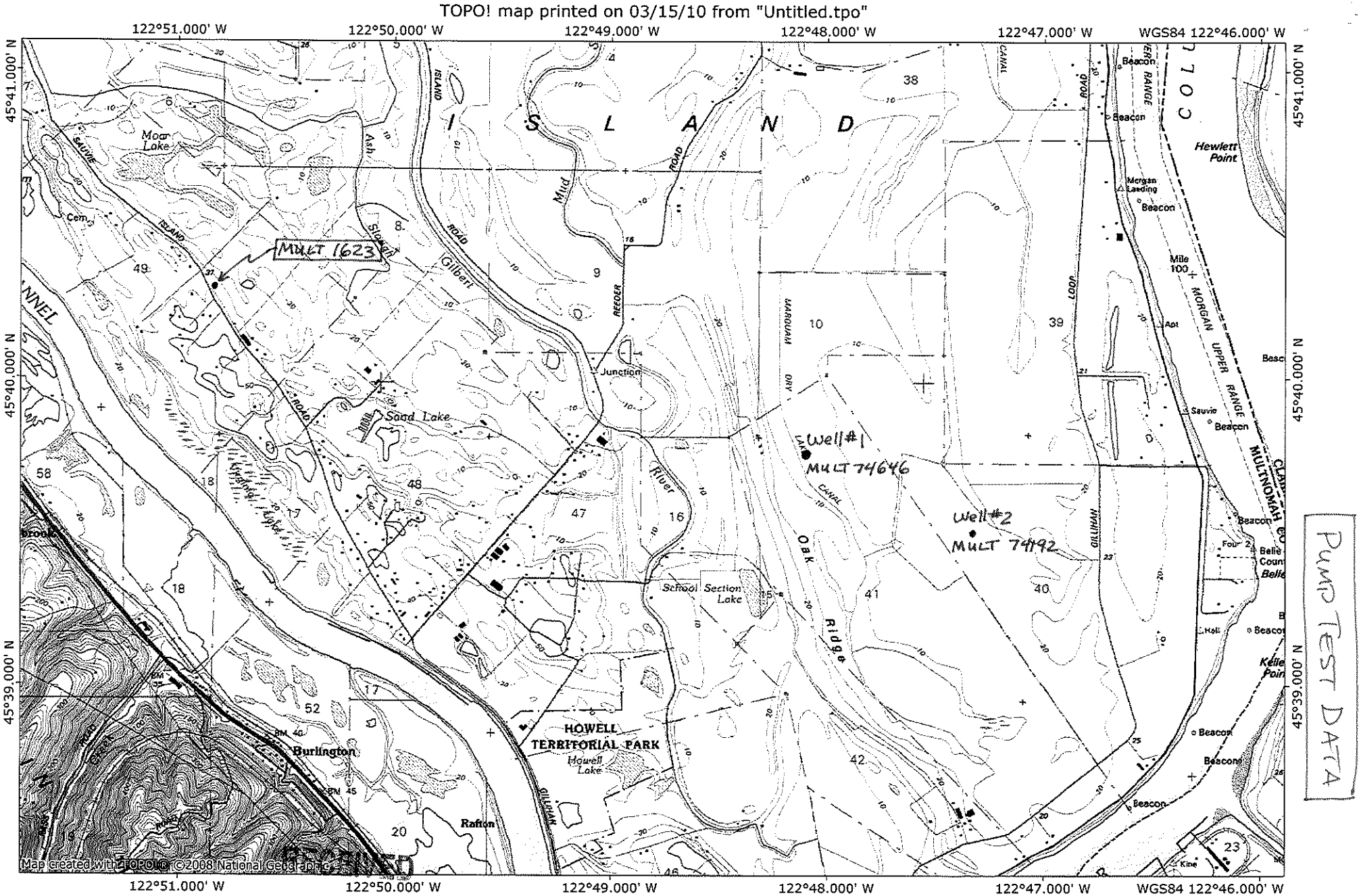
Note the request for an exemption regarding the pump test on page 13 of the claim. The request is item number 1) in *Section 4 – Variations,* and a copy of the pump test report is attached to the submittal as attachment number 4). Please let us know if you have any questions or comments. Thank you.

Sincerely,
Stuntzner Engineering & Forestry, LLC

Eric Urstadt, PE, CWRE

William Kness, PE, CWRE

Cc: Shane Brockshus, Bailey Nurseries, Inc.



PUMP TEST DATA

NATIONAL GEOGRAPHIC

MAR 25 2010
WATER RESOURCES DEPT
SALEM, OREGON

690-217-0020(3) Pump Test Exemption Request

BAILEY NURSERIES, INC.

→ Well Logs (attached) show same aquifer.

→ All wells owned by Bailey's.

TN 16½° MN

03/15/10

④

Oregon Water Resources Department

PUMP TEST FORM COVER SHEET

Well Owner:
Name BAILEY NURSERY
Address 18016 NW Reeder Road
County Multnomah Co
City, State, Zip Portland, OR 97231

Well Location:
Twnshp ____ (N or S), Range ____ (E or W)
Section ____ 1/4,1/4,1/4 ____ ____ ____
Well Depth ____ Date Drilled ____
Owners Well No. (if any) ____

Water Right Information:
Application No. G-9741 Permit No. G-9537 Certificate No. ____
Does this pump test apply to more than one water right? NO If Yes, fill out numbers below:
App. No. ____ Permit No. ____ Cert. No. ____
App. No. ____ Permit No. ____ Cert. No. ____

877-249-4111

Pump Test:
Test conducted by: David Ferguson Well Owner? ____ (Y)(N)
Company Ernst Hardware Co.
Address 20179 Main St. NE. PO Box 38 Date of Test 1-19-04
City, State, Zip St. Paul OR. 97137

Method of Discharge Measurement: Micrometer Flow Meter
Method of Water Level Measurement: Electric sounder
Depth of Air Line (if used) none
Pump Type: Turbine pump
Was pump test conducted during normal use of the well? ____ (Y)(N)
Description of point from which water level was measured: Between Turbine head and top of well
well is 9'6" below ground level in vault.

Are you aware of any wells, other than domestic or stock wells, pumping within 1000 feet of the tested well during the test or within 24 hours prior to the test? ____ (Y)(N). If yes, give approximate distances to each and approximate pumping rate of each. If possible, indicate if they were turned on or off during the test: ____

Is there a lake, stream or other surface water body within 1/4 mile of the tested well? ____ (Y)(N)
If yes, give approximate distance from the well and approximate elevation difference between the surface water and the well head. Approximate distance: 1/4 mile Approximate elevation difference: ____
Is well elevation above or below the surface water body? above

Static water level measurements: (Three measurements at least 20 minutes apart are required in the hour before pumping begins):

Time:	8:30 AM	Depth to Water:	31' 6"
Time:	8:50 AM	Depth to Water:	31' 6"
Time:	9:10 AM	Depth to Water:	31' 6"

Discharge Measurements: (A discharge measurement is required at the start of pumping and once an hour during the test):

Time:	9:30 AM	Discharge Rate:	475 gpm
Time:	10:30 AM	Discharge Rate:	
Time:	11:30 AM	Discharge Rate:	
Time:	12:30 PM	Discharge Rate:	
Time:	1:30 PM	Discharge Rate:	

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Pump turned on: Date: 1-19-04 Time: 9:30 AM Pump turned off: Date: 1-19-04 Time: 1:30 PM
Total pumping time: 4 hours, ____ minutes.

Note: Well must be idle for at least 16 hours prior to the test.

WELL TEST DATA SHEET

Ernst Hardware Co. ~ PO Box 38 ~ St. Paul, OR 97137 ~ Phone: 633-4111 Fax: 633-4114

Owner's Name Bailey Nursery — Well Location Sauvie Island

Well Dia. 8" ? — Depth ____ — Static Level 31'6" — Date 1-19-04

Test Pump Setting ____ — Test Pump Size 20hp — Cased to ____ — Perforated at ____

Static after Test ____ — Depth after Test ____ — Air Line ____ — Tested By Dave Ferguson

Test Stopped 1:30 PM — Max GPM 475 — Drilled By ____ — Test Stared 9:30 AM

Pumping Level 32' 11"

Flow test data

GPM	PUMPING LEVEL	TIME OF DAY	CONDITION OF WATER
475	31' 6"	9:30 AM	clear
475	32' 9"	9:32	
475	32' 9"	9:34	
	32' 10"	9:36	
	32' 10½"	9:38	
	32' 11"	9:40	
	32' 11"	9:45	
	32' 11"	9:50	
		9:55	
		10:00	
		10:15	
		10:30	
		10:45	
		1100	
		11:15	
		11:30	
		11:45	
		12:00 PM	
		12:15	
		12:30	
		12:45	
		1:00	
		1:15	
		1:30	

Recovery Data

GPM	PUMPING LEVEL	TIME OF DAY	CONDITION OF WATER
475	32' 11"	1:30 PM	clear
	31' 7"	1:32	
	31' 6½"	1:34	

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STATE ENGINEER
SALEM, OREGON

MULT
001623

2N/1W-8N

File Original and First Copy with the STATE ENGINEER, SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON

State Well No. .....

State Permit No. .....

(1) OWNER:
Name Pacific Coast Nursery
Address Route 1, Box 114B
Portland 10, Oregon

(2) LOCATION OF WELL:
County Multnomah Owner's number, if any—
SW ¼ SW ¼ Section 8 T. 2N R. 1W W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED:
Threaded ☐ Welded ☒
8 " Diam. from 0 ft. to 106 ft. Gage Std.
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:
Perforated? ☒ Yes ☐ No
Type of perforator used Mills Knife
SIZE of perforations ¼ in. by 2 in.
80 perforations from 85 ft. to 100 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:
Well screen installed ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Dia. Slot size Set from ft. to ft.
Dia. Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.
Was a surface seal provided? ☐ Yes ☐ No To what depth? ft.
Material used in seal—
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 38 ft. below land surface Date 5/12/61
Artesian pressure lbs. per square inch Date

Log Accepted by: Pacific Coast Nursery
[Signed] X Martin Halvorsen (Owner) Date Aug 23, 1961

(11) WELL TESTS:
Drawdown is amount water level is lowered below static level. Ft. M. Wade
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Company

Yield:			Drawdown		Time	
Yield:	85	gal./min. with	0	ft. drawdown after	1	hrs.
"	300	"	0	"	2	"
"	460	"	2	"	3	"

Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 51 Was a chemical analysis made? ☐ Yes ☒ No

(12) WELL LOG:
Diameter of well 8 inches.
Depth drilled 106 ft. Depth of completed well 106 ft.
Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Fine brown sand	0	30
Fine grey sand	30	50
Brown packed sand	50	60
Grey sand (quicksand)	60	74
Loose sand & gravel (¼" minus)	74	106

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SALEM, OREGON

Work started 5/3/61 19 . Completed 5/15/61 19

(13) PUMP:
Manufacturer's Name
Type: H.P.

Well Driller's Statement:

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

NAME Stainman Bros. (Person, firm, or corporation) (Type or print)
Address 15112 S.E. McLoughlin, Milwaukie 22, Ore.
Driller's well number 22-61
[Signed] Jack M Stainman (Well Driller)
License No. I Date 5/19/61, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

(7)

Bill Kness

From: Gerry Clark [clarkge@wrd.state.or.us]
Sent: Tuesday, March 16, 2010 3:46 PM
To: Bill Kness; CLARK Gerald E
Cc: 'Shane Brockshus'; ericurstadt@stuntzner.com
Subject: RE: COBU for Permit G-15632

Bill,

Please ignore my previous message. The permit number was misidentified.

Your request for a waiver regarding the identification of tax lot lines on the COBU map for Permit G-15632, Application G-16039, is approved as requested below.

I will place a copy of this message in the file. Please attach a copy of the waiver approval to the Claim also.

Let me know if you have any additional questions.

Gerry

Gerry Clark
Water Rights and Adjudications Division
Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301
Phone: 503-986-0811
Fax: 503-986-0901

WRD Home Page: www.wrd.state.or.us

From: Bill Kness [mailto:billkness@stuntzner.com]
Sent: Tuesday, March 16, 2010 2:27 PM
To: CLARK Gerald E
Cc: 'Shane Brockshus'; ericurstadt@stuntzner.com
Subject: COBU for Permit G-15632

Gerry,

Stuntzner Engineering is preparing to submit the "Claim of Beneficial Use" forms and map for the above referenced permit held by Bailey Nurseries. As we discussed on the phone, we are requesting that the Water Resources Department grant a specific exemption for this submittal's COBU map. The exemption being requested is to not show the tax lot lines on the map for purposes of clarity. The tax lot numbers will still all be listed on the COBU map, and we will submit copies of the tax assessor's maps for the appropriate sections. Given the map's scale and the need to show all DLC, quarter section, government lot, and irrigation areas / main pipe lines on the COBU map, the addition of tax lot lines are likely to create unnecessary confusion.

Thank you for your consideration of this request. Please call or email with any questions.

Bill

Bill Kness, PE, CWRE
Stuntzner Engineering & Forestry, LLC
2137 19th Avenue, Forest Grove, OR 97116

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

March 29, 2010

Bailey Nurseries, INC
Sauvie Island Division
18616 NW Reeder Rd
Portland OR 97231

On March 26, 2010 the Water Resources Department received the Claim of Beneficial Use (COBU) for the following file(s):

Application G-16039

The COBU included a report and map. The Department hopes to review your submittal within approximately 2-4 years. At that time we will review these items and provide a final certificate, proposed certificate, or a request for additional information.

If you are interested in having your COBU reviewed sooner, you may pay to have your file processed immediately, using the Reimbursement Authority program, which is described at: http://www.wrd.state.or.us/OWRD/mgmt_reimbursement_authority.shtml

Customer Service phone: (503) 986-0801

If you sell the property, please contact the Department, or have the new owners contact the Department about the need to file an assignment.

Gerry Clark

From: Gerry Clark [clarkge@wrd.state.or.us]
Sent: Tuesday, March 16, 2010 3:46 PM
To: Bill Kness; CLARK Gerald E
Cc: 'Shane Brockshus'; ericurstadt@stuntzner.com
Subject: RE: COBU for Permit G-15632

Bill,

Please ignore my previous message. The permit number was misidentified.

Your request for a waiver regarding the identification of tax lot lines on the COBU map for Permit G-15632, Application G-16039, is approved as requested below.

I will place a copy of this message in the file. Please attach a copy of the waiver approval to the Claim also.

Let me know if you have any additional questions.

Gerry

Gerry Clark
Water Rights and Adjudications Division
Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301
Phone: 503-986-0811
Fax: 503-986-0901

WRD Home Page: www.wrd.state.or.us

From: Bill Kness [mailto:billkness@stuntzner.com]
Sent: Tuesday, March 16, 2010 2:27 PM
To: CLARK Gerald E
Cc: 'Shane Brockshus'; ericurstadt@stuntzner.com
Subject: COBU for Permit G-15632

Gerry,

Stuntzner Engineering is preparing to submit the "Claim of Beneficial Use" forms and map for the above referenced permit held by Bailey Nurseries. As we discussed on the phone, we are requesting that the Water Resources Department grant a specific exemption for this submittal's COBU map. The exemption being requested is to not show the tax lot lines on the map for purposes of clarity. The tax lot numbers will still all be listed on the COBU map, and we will submit copies of the tax assessor's maps for the appropriate sections. Given the map's scale and the need to show all DLC, quarter section, government lot, and irrigation areas / main pipe lines on the COBU map, the addition of tax lot lines are likely to create unnecessary confusion.

Thank you for your consideration of this request. Please call or email with any questions.

Bill

Bill Kness, PE, CWRE
Stuntzner Engineering & Forestry, LLC
2137 19th Avenue, Forest Grove, OR 97116
503-357-5717 (office)
503-804-3157 (cell)
503-357-5698 (fax)

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-16039

Final Order

Application History
On June 26, 2003, Mr Shirlen Wilson for Bailey Nurseries Inc.; Sauvie Island Division submitted an application to the Department for a water use permit. The Department issued a Proposed Final Order on March 16, 2004. The protest period closed April 30, 2004, and no protest was filed.

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

Order

Application G-16039 therefore is approved as proposed by the Proposed Final Order, and Permit G-15632 is issued as limited by the conditions proposed by the Proposed Final Order.

DATED May 20, 2004

Dwight Ford for
Paul R. Cleary, Director

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review of this order must be filed within the 60 day time period specified by ORS 183.484(2).

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.

This document was prepared by Jerry Gainey. If you have any questions about any of the statements contained in this document I am the most likely the best person to answer your questions. You can reach me at 503-986-0812.

If you have questions about how to file a protest or if you have previously filed a protest and want to know the status, please contact Renee Moulun at 503-986-0824.

If you have other questions about the Department or any of its programs please contact our Water Rights Information 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 97301-1271; Fax: 503-986-0901.

STATE OF OREGON

COUNTY OF MULTNOMAH

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

BAILEY NURSERIES INC.
SAUVIE ISLAND DIVISION
18616 NW REEDER RD
PORTLAND, OR 97231

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

APPLICATION FILE NUMBER: G-16039

SOURCE OF WATER: WELL 1 AND WELL 2 IN MUD SLOUGH BASIN

PURPOSE OR USE: NURSERY USE ON 855.4 ACRES

MAXIMUM RATE: 6.684 CUBIC FEET PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: JUNE 26, 2003

WELL LOCATION:

WELL 1: NW ¼ NW ¼, SECTION 15, T2N, R1W, W.M.; 500 FEET SOUTH & 900 FEET EAST FROM NW CORNER, SECTION 15

WELL 2: SE ¼ NE ¼, SECTION 15, T2N, R1W, W.M.; 1850 FEET SOUTH & 800 FEET WEST FROM NE CORNER, SECTION 15

The amount of water used for nursery use is limited to a maximum of 5.0 acre feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one fortieth of one cubic foot per second and 5.0 acre feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre per year. The use of water for nursery use may be made at any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SW ¼ NE ¼ (GOVT LOT: 1) 14.8 ACRES
SE ¼ NW ¼ (GOVT LOT: 2) 20.2 ACRES

NE ¼ SW ¼	(GOVT LOT: 5)	40.0 ACRES
NW ¼ SW ¼	(GOVT LOT: 4)	0.6 ACRE
SW ¼ SW ¼	(GOVT LOT: 7)	21.3 ACRES
SE ¼ SW ¼		40.0 ACRES
NW ¼ SE ¼	(GOVT LOT: 6)	31.2 ACRES
SW ¼ SE ¼		40.0 ACRES
SE ¼ SE ¼		40.0 ACRES

SECTION 10

SW ¼ SW ¼	32.0 ACRES

SECTION 11

NW ¼ NW ¼	39.4 ACRES
SW ¼ NW ¼	40.0 ACRES
NE ¼ SW ¼	2.4 ACRES
NW ¼ SW ¼	40.0 ACRES
SW ¼ SW ¼	36.4 ACRES
SE ¼ SW ¼	31.0 ACRES
SW ¼ SE ¼	18.6 ACRES

SECTION 14

NE ¼ NE ¼	40.0 ACRES
NW ¼ NE ¼	40.0 ACRES
SW ¼ NE ¼	40.0 ACRES
SE ¼ NE ¼	40.0 ACRES
NE ¼ NW ¼	39.9 ACRES
NW ¼ NW ¼	13.0 ACRES
SE ¼ NW ¼	22.3 ACRES
NE ¼ SW ¼	19.9 ACRES
SE ¼ SW ¼	0.8 ACRE
NE ¼ SE ¼	27.0 ACRES
NW ¼ SE ¼	17.0 ACRES
SE ¼ SE ¼	2.4 ACRES

SECTION 15

NW ¼ NE ¼	9.0 ACRES
NE ¼ NW ¼	39.4 ACRES
NW ¼ NW ¼	10.8 ACRES
SE ¼ NW ¼	6.0 ACRES

SECTION 23

TOWNSHIP 2 NORTH, RANGE 1 WEST, W.M.

Measurement, recording and reporting conditions:

A. Before water use may begin under this permit, a totalizing flow meter must be installed at each diversion point. The totalizing flow meter must be installed and maintained consistent with those standards identified in OAR 690-507-645(1) through (3). The permittee shall maintain the meter in good working order, shall keep a complete record of the amount

of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. 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.

STANDARD CONDITIONS

If the number, location, or construction of any well deviates from that proposed in the permit application or permit conditions, the conclusions of the Proposed Final Order and Final Order under which this permit was granted may be revised, conditions may be appropriately revised, or this permit may not be valid.

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 wells 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.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Complete application of the water to the use shall be made on or before October 1, 2008. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based upon the merit of the application.

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 May 20, 2004

Paul R. Cleary, Director
Water Resources Department

REAL ESTATE TRANSACTIONS: Pursuant to ORS 537.330, in any transaction for the conveyance of real estate that includes any portion of the lands described in this permit, the seller of the real estate shall, upon accepting an offer to purchase that real estate, also inform the purchaser in writing whether any permit, transfer approval order, or certificate evidencing the water right is available and that the seller will deliver any permit, transfer approval order or certificate to the purchaser at closing, if the permit, transfer approval order or certificate is available.

CULTURAL RESOURCES PROTECTION LAWS: Permittees involved in ground-disturbing activities should be aware of federal and state cultural resources protection laws. ORS 358.920 prohibits the excavation, injury, destruction or alteration of an archeological site or object, or removal of archeological objects from public and private lands without an archeological permit issued by the State Historic Preservation Office. 16 USC 470, Section 106, National Historic Preservation Act of 1966 requires a federal agency, prior to any undertaking to take into account the effect of the undertaking that is included on or eligible for inclusion in the National Register. For further information, contact the State Historic Preservation Office at 503-378-4168, extension 232.

Mailing List for FO Copies

Application #G-16039 Mailing List Print Date May 7, 2004

Original mailed to(when permit issued, include copy of permit map):
Applicant: BAILEY NURSERIES INC.; SAUVIE ISLAND DIVISION ATTN: MR SHIRLEN WILSON, 18616 NW REEDER RD, PORTLAND, OR 97231

Copies Mailed
By: _____ (SUPPORT STAFF)
on: 5-20-04 (DATE)

For FO w/Permit - Copies sent to:
1. WRD - File # G-16039
2. WRD - Ken Stahr

For FO w/ Permit - FO and Map Copies sent to (Remember to reduce copy margins):
3. WRD - Data Center
4. WRD - Watermaster District #: 20
5. WRD - Regional Manager: NWR

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

6. W. Richard Verboort, CWRE #135

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

CASEWORKER : Gaineyjw- WEEK 451

FO CHECKLIST

PFO TO FO CONVERSION

FILE # G-16039
PFO WEEK # 451
FO WEEK # 410

REVIEW DATE: 5/6/04
INITIALS: JWG
WM District 20
Region Mgr NWR
ODFW Bio ——.

Y/N Has applicant name and address changed, or has the file been reassigned?
If new: _____

In preparing to create the FO, you should check the following:

1. Y / N Were comments received? If so, **from whom** and **when**? _____
Respond to significant comments, issues, or disputes related to the proposed use of water (see notes, if any, listed above)

2. ✓ On the PFO CC list, verify names and mailing addresses of **ALL** commentors (regardless of comment date, **affected landowners**, and **those who paid the $10 fee**.

3. Y / N / NA Have affected land owners been notified? If not, refer to #8.

4. Y / N / NA Is there a fish screening condition? If yes, include fish screening form

5. ✓ Correct PFO errors (such as POD or POU location (verify from map.)

6. ✓ Include or exclude permit conditions

7. ✓ Verify Payment of recording fees (*circle the appropriate option*)

(1) Issue FO w/permit if fees are paid — Prepare refund request for excess fees, **including standing fees if no protest is filed and no modifications are being made to the PFO**.

(2) Issue FO w/o permit if fees are lacking.

		Exam Fee Paid	250
		Q fee	600
1st CFS/AF	150	**Subtotal**	850
Addnl.	450	Recording Fee	**175.00 ~~or 250.00~~**
TOTAL Q	600	**Total**	1025
		Amount Paid	1025
		Amount due/refund	0

7 CFS

All fees PD at app submission

8. Y / N Is further processing possible? If not state reason: _____

FO Type: (circle types) DENIAL FO w/o PERMIT (REASON: Lacks Fees Lacks Easement
Lacks Approved Dam Plans and Specifications

FO & PERMIT (Permit # G 15632)

Once FO document is completed:

9. ____ Save WordPerfect document in M:\GROUPS\WR\FO\WEEK 410.

10. ____ Print final draft of document and submit for peer review

11. Complete routing list

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

Peer Review: Anita

PFO CHECKLIST

APPLICATION # G-16039 **SAVE IN PFO WORK WEEK:** 451

✓ 1. **IR** Date 1/16/04 Public Notice Date 1/20/04 Comment Rec'd NO

✓ 2. Was additional information requested in the IR? Y / (N) If so, do we now have enough info to do the PFO? Y / N

✓ 3. Was the application filed after **10/23/99**? (Y) / N (if N A date should be included)

✓ 4. Changes from IR determinations: B 57

✓ 5. Copy to:

✓ 6. **Shortcomings** preventing PFO, FO, or permit? Y / (N) Should process continue **Y / N**

✓ 7. Is second groundwater review complete? Y / (N) necessary? Y / (N)

✓ 8. IR identifies as on DEQ **303d** List? Y / (N) / NA Comments received? Y / (N)

✓ 9. FEES: Base Fee: Water Amount PD-#1025

7CFS

Base Fee	Water Amount
*$100/$150 or **$250/$300	1st CFS/~~AF~~: 150
	6 Addl @ 75; + 450)
250 +	600 = 850

EXAM FEE REQUIRED:	850	RECORDING FEE REQUIRED: $175 or $250	
EXAM FEE PAID:	850	RECORDING FEE PAID:	175
STILL OWED:	Ø	STILL OWED:	Ø

*($10/$15 @ AF 1ST 10 AF, $1 THEREAFTER)
**$150/$200 1CFS - $10/$20 THEREAFTER)

Name: JERRY GAINEY Date: 2/2/04

c:\myfiles\forms\checkirnew 9/10/03

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IR CHECKLIST

Application #: g 16039

County mult Basin: 2 WAB: ______

Township 2n Range 1w Section 10,11,14,15 23 1/4 1/4 see map

10. Ground Water Availability:
A. ☐ over appropriated ☐ not over appropriated ☑ cannot be determined
B. ☐ will not be available ☑ will be available ...without injury to prior water rights
C. ☐ will not ☑ will likely be available within capacity of ground water resource
D. ☐ will if properly conditioned, avoid injury to existing ground water rights or to the ground water resource
E. Is the well located in a **GWLA** or **CGWA** or **T1N R3E**? (If applicable, include map with POD) Y / (N)

25. Use ~~IR~~ NV 464.3 ac / ~~IR~~ sup NV 391.1 Priority Date(s) 6/26/03 (If muni or quasi-muni use send to Doug Parrow)

30. Allowed under **Basin Program** (Y) / N Limitations? Y / (N) ______

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 per mike mccord rm #20

70. **Divis 33:** (Y) / N / NA Above Bonn Y / (N) Not allowed April 15 - September 30 **Y / N**
Below Bonn (Y) / N If Y add PISPC
Statewide Y / (N)

80. Rate 1/80 NV (3E)
Duty 2.5 **Rate:** Max ~~12.643 cfs~~ 128.31 Req 6.684 cfs

Season: Normal yr Req yr

90. B.O.R. or Doug Co. project Y / (N) **contract #** ______

100. Small (≤0.1cfs, ≤9.2AF), Medium (>0.1 or <1.5cfs, >9.2 or <100AF, Contract Stored Water) or (Large) (≥1.5 cfs, ≥100 AF)
condition 7I and municipal require the Large **conditions** ∅

110. **Land use** approval (OK'd) 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**)

125. **Conflict?** Yes (No) ______

130. per interactive mapping **DOA** Y / (N) (NO COPY TO PAUL MEASLES) **303D** Y / (N) / NA **CTUIR** Y / (N)
(Check DOA map to determine if Y / N)

140. within Oregon **Streamflow Restoration** Area? Y / (N) / NA

150. Letter format =(Good)==Limited==Bad==Bad w/ IRshort==Bad w/ HC Opportunity

155. Attach basin map indicating point of diversion?

160. CWRE, representative, etc. to notify? **Y** / (N) ______

Name: JERRY GAINEY Date: 1/12/04

c:\myfiles\forms\checkirnew 5/9/03

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Analysis for Application: G16039

Location: 2N-1W-10-SWNE

Uses: AG P|IR 14.8 P|NU 14.8 P

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY	ZIP	PHONE	EX
20	NW	1190163	1859	Mike McCord	1678 S. Beavercreek Rd	Oregon City	97045	503-657-6811	

Records Found: 1

WAB Records Found: 0

County

COUNTY	FIPS
Multnomah	41051

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-1W-10-SENW

Uses: AG P|IR 20.2 P|NU 20.2 P

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY	ZIP	PHONE	EX
20	NW	1190163	1859	Mike McCord	1678 S. Beavercreek Rd	Oregon City	97045	503-657-6811	

Records Found: 1

WAB Records Found: 0

County

COUNTY	FIPS
Multnomah	41051

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-1W-10-NWSE

Uses: AG P|IR 31.2 P|NU 31.2 P

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY	ZIP	PHONE	EX
20	NW	1190163	1859	Mike McCord	1678 S. Beavercreek Rd	Oregon City	97045	503-657-6811	

Records Found: 1

WAB Records Found: 0

County

COUNTY	FIPS
Multnomah	41051

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-1W-10-SESE

Uses: AG P|IR 40 P|NU 40 P

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY	ZIP	PHONE	EX
20	NW	1190163	1859	Mike McCord	1678 S. Beavercreek Rd	Oregon City	97045	503-657-6811	

Records Found: 1

WAB Records Found: 0

County

COUNTY	FIPS
Multnomah	41051

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-1W-10-SWSE

Uses: AG P|IR 40 P|NU 40 P

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY	ZIP	PHONE	EX
20	NW	1190163	1859	Mike McCord	1678 S. Beavercreek Rd	Oregon City	97045	503-657-6811	

Records Found: 1

WAB Records Found: 0

County

COUNTY	FIPS
Multnomah	41051

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-1W-10-NESW

Uses: AG P|IR 40 P|NU 40 P

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY	ZIP	PHONE	EX
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WAB Records Found: 0

County

COUNTY	FIPS
Multnomah	41051

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-1W-10-NWSW

Uses: AG P|IR 0.6 P|NU 0.6 P

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY	ZIP	PHONE	EX
20	NW	1190163	1859	Mike McCord	1678 S. Beavercreek Rd	Oregon City	97045	503-657-6811	

Records Found: 1

WAB Records Found: 0

County

COUNTY	FIPS
Multnomah	41051

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-1W-10-SESW

Uses: AG P|IR 40 P|NU 40 P

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY	ZIP	PHONE	EX
20	NW	1190163	1859	Mike McCord	1678 S. Beavercreek Rd	Oregon City	97045	503-657-6811	

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County

COUNTY	FIPS
Multnomah	41051

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-1W-10-SWSW

Uses: AG P|IR 21.3 P|NU 21.3 P

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY	ZIP	PHONE	EX
20	NW	1190163	1859	Mike McCord	1678 S. Beavercreek Rd	Oregon City	97045	503-657-6811	

Records Found: 1

WAB Records Found: 0

County

COUNTY	FIPS
Multnomah	41051

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-1W-11-SWSW

Uses: AG P|IR 32 P|NU 32 P

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY	ZIP	PHONE	EX
20	NW	1190163	1859	Mike McCord	1678 S. Beavercreek Rd	Oregon City	97045	503-657-6811	

Records Found: 1

WAB Records Found: 0

County

COUNTY	FIPS
Multnomah	41051

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-1W-14-NWNW

Uses: AG P|IR 39.4 P|NU 39.4 P

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY	ZIP	PHONE	EX
20	NW	1190163	1859	Mike McCord	1678 S. Beavercreek Rd	Oregon City	97045	503-657-6811	

Records Found: 1

WAB Records Found: 0

County

COUNTY	FIPS
Multnomah	41051

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-1W-14-SWNW

Uses: AG P|IR 40 P|NU 40 P

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY	ZIP	PHONE	EX
20	NW	1190163	1859	Mike McCord	1678 S. Beavercreek Rd	Oregon City	97045	503-657-6811	

Records Found: 1

WAB Records Found: 0

County

COUNTY	FIPS
Multnomah	41051

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-1W-14-SWSE

Uses: AG P|IR 18.6 P|NU 18.6 P

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY	ZIP	PHONE	EX
20	NW	1190163	1859	Mike McCord	1678 S. Beavercreek Rd	Oregon City	97045	503-657-6811	

Records Found: 1

WAB Records Found: 0

County

COUNTY	FIPS
Multnomah	41051

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-1W-14-NESW

Uses: AG P|IR 2.4 P|NU 2.4 P

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY	ZIP	PHONE	EX
20	NW	1190163	1859	Mike McCord	1678 S. Beavercreek Rd	Oregon City	97045	503-657-6811	

Records Found: 1

WAB Records Found: 0

County

COUNTY	FIPS
Multnomah	41051

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

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 t Server.ScriptTimeout or by changing the value in the IIS administration tools.

690-502-0150 - Columbia Subbasin

The Columbia Subbasin includes the Willamette River main stem below Willamette Falls near river mile 27 and its tributaries, and all other stream systems in the Willamette Basin except for the Tualatin River and Clackamas River Subbasins. It includes the Multnomah Channel and Columbia Slough but does not include the main stem Columbia River. Surface water classification:

(1) The following streams and tributaries are withdrawn from further appropriation except storage:

(a) Johnson Creek and tributaries, except Crystal Springs Creek and tributaries for flows in excess of ten cubic feet per second measured at the mouth, are withdrawn, by act of the Legislature, from further appropriation except for protection of fish life therein and power development not to exceed 25 theoretical horsepower. Appropriation and storage are allowed on Johnson Creek tributaries, but not the main stem, from December 1 through June 1 of each year, ORS 538.170;

(b) Scappoose Creek is withdrawn, by act of the Legislature, from further appropriation, except for protecting fish life therein, domestic, livestock, municipal, fish culture, esthetic, recreation and public park purposes, ORS 538.251(5) and 538.260;

(c) McNulty Creek, tributary to Scappoose Bay, is withdrawn, by act of the Legislature, from further appropriation except for storage during the period November 1 through March 31 each year, ORS 538.280;

(d) Milton Creek is withdrawn by act of the Legislature from further appropriation except for domestic use year round and storage during the period November 1 through April 30 each year, ORS 538.300;

(e) Little Creek and tributaries, being tributaries to Scappoose Creek, are withdrawn from further appropriation except for storage, by order of the State Engineer dated August 13, 1951;

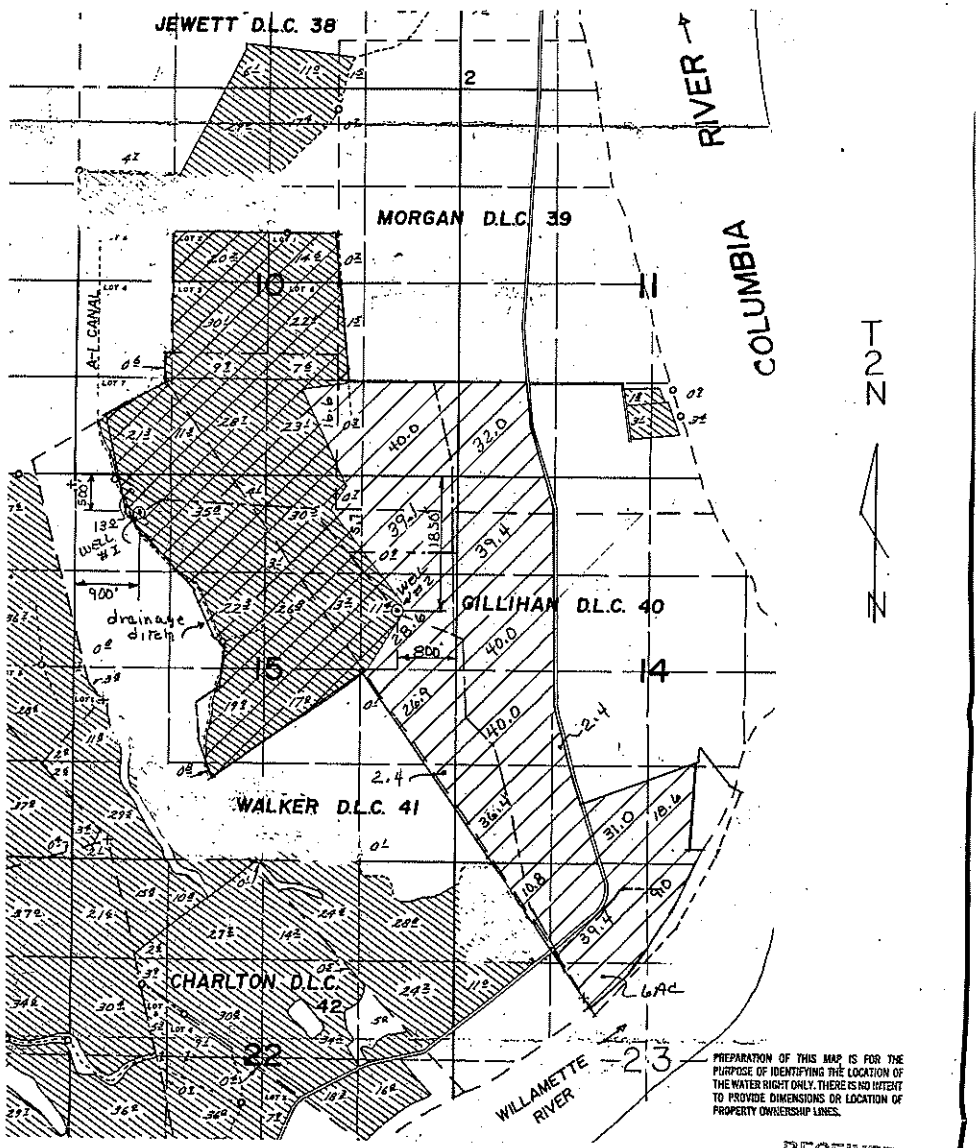
(f) An unnamed stream, a tributary to the Columbia River flowing through Section 25, Township 1 North, Range 2 East, Willamette Meridian and Sections 19 and 20, Township 1 North, Range 3 East, Willamette Meridian is withdrawn from further appropriation by order of the State Engineer dated September 22, 1950.

(2) The Willamette River main stem below Willamette Falls is classified for domestic, livestock, municipal, industrial, commercial, agricultural, mining, power, fish life, wildlife, recreation, pollution abatement, wetland enhancement and public instream uses.

(3) Multnomah Channel and drainage waters originating within drainage districts are classified for domestic, livestock, municipal, industrial, irrigation, commercial, agricultural, mining, power, fish life, wildlife, recreation, pollution abatement, wetland enhancement and public instream uses.

(4) Except as specified in subsections (1)(a), (b) and (c) of this rule, all stream systems in the Columbia Subbasin and Columbia Slough are classified year round only for domestic, commercial use for customarily domestic purposes not to exceed 0.01 cfs, livestock and public instream uses.

RIW



Scale: 1"= 1320'

MAP BASE: ODWR Cert Map for 49880

PREPARATION OF THIS MAP IS FOR THE PURPOSE OF IDENTIFYING THE LOCATION OF THE WATER RIGHT ONLY. THERE IS NO INTENT TO PROVIDE DIMENSIONS OR LOCATION OF PROPERTY OWNERSHIP LINES.

RECEIVED
JUN 2 6 2003
WATER RESOURCES DEPT.
SALEM, OREGON

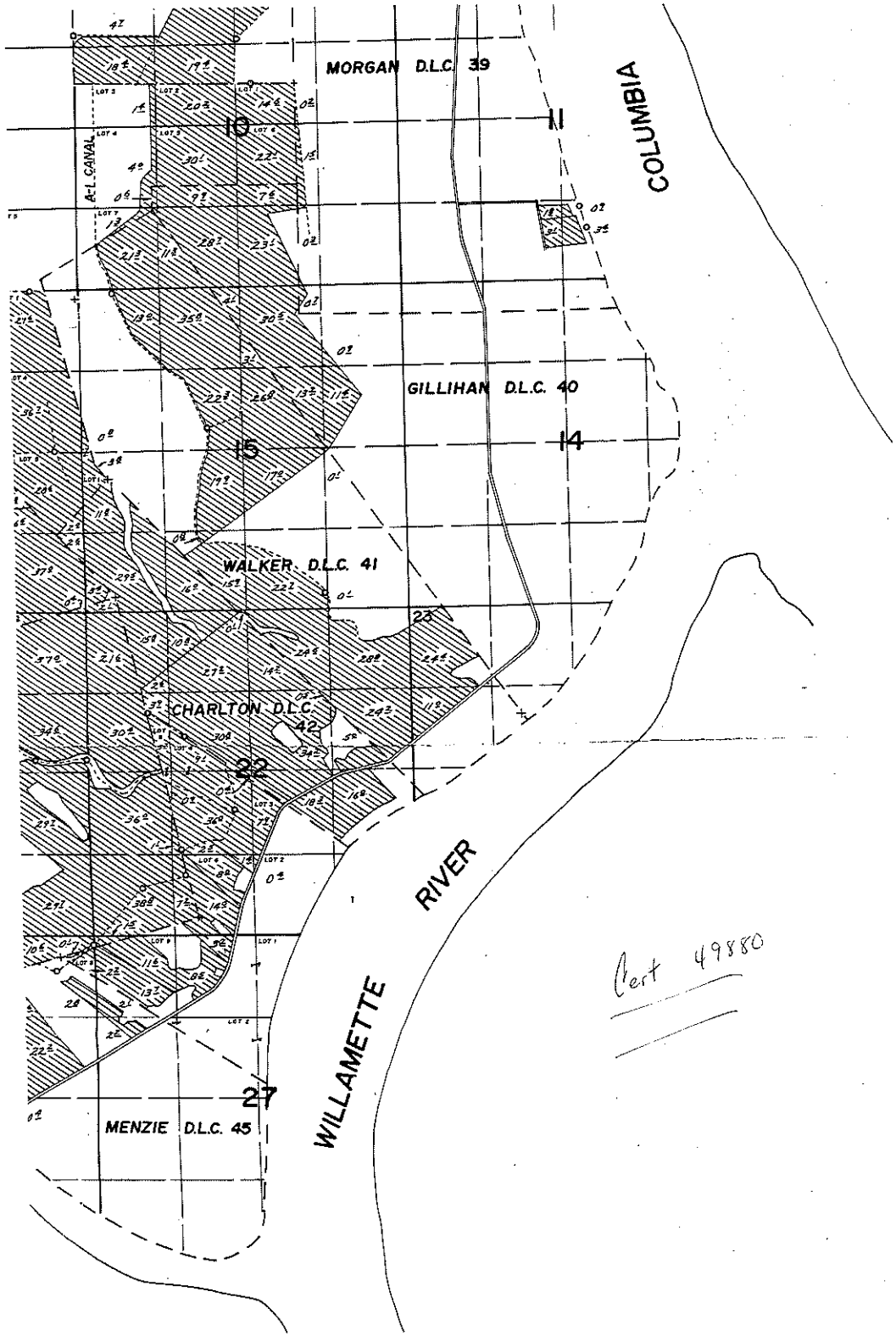
Certified Water Right Examiner #138
W. Richard Verboort
Now. 19, 1987
STATE OF OREGON

VERBOORT ENGINEERING
AGRICULTURE·CIVIL·WATER RESOURCES
HILLSBORO, OREGON

	by	date
designed	RV	4-18-03
drawn	RV	4-18-03
checked		
drawing no.	03-18-11	
sheet no.	1 / 1	

GROUNDWATER APPLICATION

BAILEY NURSERIES, INC.
SAUVIE ISLAND DIVISION
18616 N. W. REEDER ROAD
PORTLAND, OR 97231


MORGAN D.L.C. 39
GILLIHAN D.L.C. 40
WALKER D.L.C. 41
CHARLTON D.L.C. 42
MENZIE D.L.C. 45
A-L CANAL
COLUMBIA
RIVER
WILLAMETTE
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Cert 49880

WATER AVAILABILITY
FOR
COLUMBIA + SNAKE R.

AVERAGE MONTHLY DISCHARGES AND CHANGES IN STORAGE IN CFS

FOR THE 25-YEAR BASE PERIOD, WATER-YEARS 1961-85, INCLUSIVE

THE ATTACHED TABLE CONTAINS AVERAGE DISCHARGES AND CHANGES IN STORAGE FOR SELECTED GAGING STATIONS AND RESERVOIRS IN THE PACIFIC NORTHWEST FOR A 25-YEAR PERIOD, WATER YEARS 1961-85, INCLUSIVE. THE AVERAGES ARE BASED ON OBSERVED RECORDS EXCEPT FOR THOSE STATIONS MARKED (ADJ), WHICH ARE ADJUSTED FOR UPSTREAM STORAGE AND DIVERSIONS AS INDICATED BY FOOTNOTES (COLUMN F), AND EXPLAINED ON THE FINAL PAGE. AVERAGE CHANGES IN STORAGE FOR RESERVOIRS BUILT AFTER OCTOBER 1960 ARE BASED ON ACTUAL MONTHLY CHANGES THAT WERE DIVIDED BY THE YEARS OF RECORD. FOR DUNCAN AND ARROW LAKES, NATURAL STORAGE PRIOR TO DAM CONSTRUCTION WAS INCLUDED TO COMPLETE THE 25-YEAR AVERAGE. FOR RESERVOIRS WITH LESS THAN 25 YEARS OF RECORD, THE DATE STORAGE BEGAN IS SHOWN BY FOOTNOTES. THE STATIONS ARE IN DOWNSTREAM ORDER, IDENTIFIED BY USGS NUMBERS. THE EIGHT-DIGIT STATION NUMBERS WERE ASSIGNED FOR THIS PROJECT AND ARE NOT OFFICIAL IDENTIFIERS.

A 25-YEAR BASE PERIOD WAS CHOSEN BY THE COLUMBIA RIVER WATER MANAGEMENT GROUP FOR COMPARISON OF HISTORICAL AVERAGES WITH CURRENT HYDROMETEOROLOGICAL CONDITIONS. IT IS ANTICIPATED THAT THIS BASE PERIOD WILL BE UPDATED IN FIVE YEARS TO A 30-YEAR BASE FOR THE PERIOD 1961-90.

THE AVERAGES CONTAINED HEREIN ARE BASED ON RECORDS FROM REPORTS AND FILES OF THE U.S. GEOLOGICAL SURVEY, WATER SURVEY OF CANADA, U.S. BUREAU OF RECLAMATION, OR RECORDS FURNISHED BY ORGANIZATIONS AS INDICATED BY THE FOOTNOTES.

COLUMBIA RIVER WATER MANAGEMENT GROUP
DEPLETIONS TASK FORCE
JANUARY 1987

Include w/ WMB.

ADJ = ADJUSTED FOR STORAGE

F	STA NO	STATION NAME	AVERAGE DISCHARGE OR CHANGE IN STORAGE IN CFS											
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
	*13351000	PALOUSE R AT HOOPER, WASH	69	139	471	1110	1742	1648	1264	624	250	76	32	42
	94*13353000	SNAKE R BL ICE HARBOR DAM, WASH	27378	31971	38506	44426	50714	58560	76421	113070	120665	46660	23358	25778
	95*13353000	SNAKE R BL ICE HARBOR DAM (ADJ)	26992	30337	35650	40002	47911	56452	80177	123489	127139	46270	22767	23252
	*14010000	SF WALLA WALLA R NR MILTON, OREG	112	138	180	206	209	216	268	305	208	126	113	110
	*14018500	WALLA WALLA R NR TOUCHET, WASH	71	277	889	1257	1338	1228	1082	674	276	46	21	42
	96*14019201	MCNARY DAM OUTFLOW	107952	117370	133768	150471	164129	174557	197585	285400	356193	223501	140740	109400
	97*14019201	MCNARY DAM OUTFLOW (ADJ)	82525	84386	89359	91844	108742	127525	207070	421394	508568	266038	139770	95931
	*14020000	UMATILLA R AB MCHM C NR GIBBON, OR	58	122	258	317	352	380	504	439	187	65	50	50
	*14021000	UMATILLA R AT PENDLETON, OREG	71	213	619	804	900	1012	1222	862	314	74	44	50
	*14022500	MCKAY C NR PILOT ROCK, OREG	5	36	137	215	210	253	266	117	35	4	1	2
	*14032000	BUTTER C NR PINE CITY, OREG	4	10	31	56	61	77	78	51	17	4	2	2
	*14033500	UMATILLA R NR UMATILLA, OREG	79	228	636	918	1066	1109	1116	546	101	14	11	25
	*14037500	STRAWBRY C AB SL C NR PR CTY,OR	3	4	4	4	4	4	7	32	59	26	8	4
	*14042500	CAMAS C NR UKIAH, OREG	8	26	63	100	114	181	303	209	70	14	6	6
	*14044000	MF JOHN DAY R AT RITTER, OREG	47	81	144	212	274	471	710	767	423	95	37	37
	*14046000	NF JOHN DAY R AT MONUMENT, OREG	179	378	923	1315	1645	2408	3468	3846	1986	466	157	146
	*14046500	JOHN DAY R AT SERVICE CREEK, OREG	367	694	1495	2130	2687	3730	5040	5250	2810	681	214	227
	*14048000	JOHN DAY R AT MCDONALD FERRY, OREG	365	725	1698	2409	3136	4121	5355	5513	3068	772	226	224
	98*14048005	LK UMATILLA AT JOHN DAY DAM, OREG	-1900	-345	-443	140	529	-38	1383	-490	2297	738	277	185
	*14050000	DESCHUTES R BL SNW C NR LAPINE, OR	182	150	132	116	106	100	102	127	156	178	226	218
	99*14053000	CR PRAIRIE RES NR LAPINE, OR-INFL	253	231	212	169	148	133	141	230	290	262	293	284
	38*14053500	CRANE PRAIRIE RES NR LAPINE, OREG	41	126	104	49	39	30	-14	-66	-96	-107		
	38*14056000	WICKIUP RES NR LAPINE, OREG	354	496	414	346	304	289	13	-373	-528	-651		
	38*14059500	CRESCENT LK NR CRESCENT, OREG	35	64	72	51	39	28	27	43	-9	-127		
	*14060000	CRESCENT C NR CRESCENT, OREG	16	10	12	16	16	16	14	53	112	171		
	100*14060000	CRESCENT C NR CRESCENT (ADJ)	51	74	85	67	55	44	42	96	103	44		
	*14063000	L DESCHUTES R NR LAPINE, OREG	87	123	188	198	219	220	273	373	349	258		
	100*14063000	L DESCHUTES R NR LAPINE (ADJ)	122	187	260	249	258	247	301	416	340	131		
	*14064500	DESCHUTES R AT BNHM FLLS NR BND,OR	1069	741	844	904	931	935	1284	1908	2214	2345		
	101*14072500	COL SOUTHERN CA NR TUMALO,OREG	8	4	1	0	1	2	8	78	115	92		
	*14073001	TUMALO C+COL SUTHRN CA NR BEND, OR	67	75	81	75	79	71	80	158	233	142		
	*14075000	SQUAW C NR SISTERS, OREG	63	77	90	84	80	65	68	128	226	184		
	38*14080400	PRINEVILLE RES NR PRINEVILLE, OREG	-113	-1	45	45	158	416	318	-27	-134	-216	-226	-189
	*14080500	CROOKED R NR PRINEVILLE, OREG	162	150	288	391	514	591	839	610	265	239	229	200
	102*14080500	CROOKED R NR PRINEVILLE (ADJ)	53	150	333	436	673	1007	1158	584	131	23	3	11
	38*14085100	OCHOCO RES NR PRINEVILLE, OREG	-9	9	48	60	81	84	85	-5	-61	-125	-96	-45
	103*14085100	FIVE RES IN DESCHUTES BASIN, OREG	314	694	683	550	620	846	429	-428	-829	-1226	-948	-491
	104*14092100	LK BILLY CHINOOK NR METOLIUS, OR	24	-17	-82	-123	258	94	93	80	37	32	28	-6
	*14101500	WHITE R BL TYGH VALLEY, OREG	141	249	537	695	730	610	601	640	419	185	129	122
	*14103000	DESCHUTES R AT MOODY NR BIGGS, OR	4704	5481	6800	7437	7475	7192	6745	6010	5388	4673	4441	4484

F	STA NO	STATION NAME	AVERAGE DISCHARGE OR CHANGE IN STORAGE IN CFS											
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
	*14191000	WILLAMETTE R AT SALEM, OREG	13859	31114	52192	49059	37209	30175	23562	19088	13219	7479	7208	9819
119	*14191000	WILLAMETTE R AT SALEM (ADJ)	7181	27586	51486	50440	42664	36008	29233	22338	13737	6142	3854	4255
	*14209000	OAK GROVE FK AB PWRPLANT INTAKE,OR	397	496	589	615	593	572	558	613	471	335	312	343
	*14209500	CLACKAMAS R AB THREE LYNX C, OREG	1059	2298	3415	3268	2986	2562	2540	2698	1784	950	768	804
	*14210000	CLACKAMAS R AT ESTACADA, OREG	1373	3283	4986	4795	4235	3581	3515	3641	2354	1204	911	973
120	*14211720	WILLAMETTE RIVER AT PORTLAND, OREG	16660	42572	76055	74437	59071	47886	36488	27777	17972	9667	8414	11301
119	*14211720	WILLAMETTE RIVER AT PORTLAND (ADJ)	9982	39044	75349	75817	64527	53719	42158	31026	18491	8330	5060	5738
	*14217600	SWIFT RES NR COUGAR, WASH	-637	-446	-524	-281	-156	-393	887	1240	380	97	10	-199
	*14218500	YALE RES NR YALE, WASH	-265	130	55	-129	21	-6	268	180	197	-8	-4	-479
	*14220000	LK MERWIN AT ARIEL, WASH	6	-104	-29	-34	-20	138	39	140	53	40	-27	-126
	*14220000	SWIFT, YALE AND MERWIN RES, WASH	-896	-421	-498	-444	-155	-261	1195	1559	630	130	-21	-805
	*14220500	LEWIS R AT ARIEL, WASH	3183	7007	9451	8746	7721	6469	4719	4269	3533	1910	1304	2179
121	*14220500	LEWIS R AT ARIEL (ADJ)	2287	6586	8953	8302	7566	6209	5914	5828	4163	2040	1283	1374
95	*14234800	RIFFE LAKE NR MOSSYROCK, WASH	-1828	-1766	-1004	-658	-107	-307	1820	4284	2154	-585	-502	-782
122	*14237800	MAYFIELD RES NR SILVER CREEK, WASH	13	15	-19	12	-7	30	40	39	-4	21	-2	-48
	*14238000	COWLITZ R BL MAYFIELD DAM, WASH	3846	7626	10896	9978	8547	6840	5902	6188	7184	4599	2605	2564
123	*14238000	COWLITZ R BL MAYFIELD DAM(ADJ)	2615	6439	10196	9542	8468	6658	7251	9311	8731	4198	2241	1955
	*14243000	COWLITZ R AT CASTLE ROCK, WASH	5045	11276	16871	16010	13636	10972	9353	8915	9179	5730	3327	3334
123	*14243000	COWLITZ R AT CASTLE ROCK (ADJ)	3814	10089	16171	15573	13557	10790	10702	12037	10726	5328	2963	2725
105	*14280000	COLUMBIA R AT THE MOUTH	148764	210480	288152	300140	293318	283760	283128	347528	412680	263908	165084	138564
124	*14280000	COLUMBIA R AT THE MOUTH (ADJ)	113241	172126	241538	242107	243512	242092	301822	491100	569405	305367	160576	118250
	*14301000	NEHALEM R NR FOSS, OREG	772	3913	6638	6629	5276	4522	2612	1201	612	273	151	236
	*14301500	WILSON R NR TILLAMOOK, OREG	508	1895	2719	2589	2120	1772	1101	596	339	170	109	165
	*14305500	SILETZ R AT SILETZ, OREG	540	2430	3548	3327	2670	2276	1414	768	484	223	140	194
	*14306500	ALSEA R NR TIDEWATER, OREG	304	1874	3681	3575	3004	2600	1509	777	401	190	118	132
	*14313000	LEMOLO LK NR TOKETEE FALLS, OREG	-63	-23	-7	-19	-5	-8	36	89	11	5	2	-19
	*14313501	N UMPQUA NR T FLS & LEMOLO 1 PC,OR	445	432	452	455	429	440	408	484	559	419	370	381
125	*14313501	N UMPQUA NR T FLS & LEMOLO 1 (ADJ)	345	372	407	397	391	397	412	526	518	387	340	328
	*14321000	UMPQUA R NR ELKTON, OREG	1852	8625	16850	16709	13763	12749	9470	6293	3318	1611	1179	1214
	*14359000	ROGUE R AT RAYGOLD, OREG	1522	2763	4993	4985	4229	4282	4015	3731	2691	1867	1665	1523
126	*14359000	ROGUE R AT RAYGOLD, OREG (ADJ)	1463	2759	5113	5127	4624	4542	4144	3818	2661	1581	1331	1337

261,000

267,000

F	STA NO	STATION NAME	AVERAGE DISCHARGE OR CHANGE IN STORAGE IN CFS											
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
	105*14103000	DESCHUTES AT MOODY NR BIGGS (ADJ)	4724	5467	6731	7329	7703	7275	6826	6080	5420	4701	4466	4479
	*14105700	COLUMBIA R AT THE DALLES, OREG	113777	123017	142317	160253	174880	186542	208764	296371	364667	227567	143765	113016
☆	106*14105700	COLUMBIA R AT THE DALLES (ADJ)	87059	89799	97607	101721	119852	139483	219244	432012	518696	270634	142995	99679
	*14113000	KLICKITAT R NR PITT, WASH	780	982	1590	2148	2480	2361	2211	2463	2086	1222	871	786
	*14118500	MF HOOD R NR DEE, OREG	249	632	935	950	853	685	697	662	452	250	180	175
	107*14120000	HOOD R AT TCKR BRDG NR HOOD R, OR	481	1110	1683	1723	1650	1316	1287	1230	900	534	380	370
	*14123500	WHITE SALMON R NR UNDERWOOD, WASH	634	846	1276	1526	1691	1602	1484	1505	1287	892	700	637
	*14137000	SANDY R NR MARMOT, OREG	532	1534	2363	2358	1979	1616	1750	1772	1222	656	449	433
☆	108*14144700	COLUMBIA R AT VANCOUVER, WASH	118488	134848	162136	179692	194054	202728	221640	304892	374964	237660	149081	117744
☆	106*14144700	COL R AT VANCOUVER, WASH (ADJ)	91770	101630	117426	121160	139026	155670	232120	440533	528993	280728	148311	104408
	109*14145100	HILLS C LK NR OAKRIDGE, OREG	-767	-426	-77	221	721	828	633	433	144	-101	-478	-838
	*14147500	NF MF WILLAMETTE R NR OAKRIDGE, OR	253	849	1482	1386	1231	1087	1105	1030	647	294	187	174
	*14148000	MF WILLAMETTE R BL NF NR OKRDGE,OR	1808	3475	5210	4634	3505	2970	3100	3291	2504	1336	1320	1631
	110*14148000	MF BL NF NR OAKRIDGE,OR (ADJ)	1072	3067	5136	4846	4197	3764	3707	3707	2643	1235	842	794
	*14149000	LOOKOUT POINT LK NR LOWELL, OREG	-1489	-1034	-161	197	1002	1030	1321	892	208	-231	-564	-1108
	111*14150900	FALL C LK NR LOWELL, OREG	-528	-166	-16	192	532	504	399	198	0	-200	-331	-519
	*14152000	MF WILLAMETTE R AT JASPER, OREG	4080	6418	8290	6990	4301	3508	3021	3236	2846	1945	2296	3364
	*14153000	COTTAGE GROVE LK NR CTTGE GRVE,OR	-132	12	-5	25	104	138	117	63	-3	-30	-90	-192
	*14154500	ROW R AB PITCHER C NR DORENA, OREG	151	840	1325	1239	1017	973	828	555	250	75	42	55
	*14155000	DORENA LK NR COTTAGE GROVE, OREG	-303	81	-58	96	170	335	266	151	-18	-102	-261	-328
	*14157500	CF WILLAMETTE R NR GOSHEN, OREG	755	2044	3753	3357	2601	2206	1613	963	519	266	413	630
	*14159000	MCKENZIE R AT MCKENZIE BRIDGE, OR	1158	1659	2280	2209	2141	1953	1967	2109	1785	1434	1239	1146
	112*14159400	COUGAR LK NR RAINBOW, OREG	-649	-391	-0	166	465	525	624	407	64	-84	-398	-610
	*14159500	SF MCKENZIE R NP RAINBOW, OREG	867	1219	1453	1192	810	597	573	828	699	411	574	744
	113*14162100	BLUE R LK NR BLUE R, OREG	-132	-34	-84	99	377	347	333	143	-5	-307	-486	-199
	*14162500	MCKENZIE R NR VIDA, OREG	2769	4697	6684	6096	5159	4479	4294	4557	3650	2652	2601	2500
	*14168000	FERN RIDGE LK NR ELMIRA, OREG	-795	-295	57	178	366	571	236	40	-26	-92	-99	-122
	114*14168000	FIVE RES IN U WILLAMETTE BASIN,OR	-1721	-351	-75	520	1322	1684	1165	510	-50	-593	-1045	-1193
	*14170000	LONG TOM R AT MONROE, OREG	849	1009	1993	2034	1411	918	557	250	81	38	43	112
	*14174000	WILLAMETTE R AT ALBANY, OREG	9030	17821	30873	29118	22191	18090	14110	11351	8355	5324	5473	6827
	115*14174000	WILLAMETTE R AT ALBANY,OREG (ADJ)	4508	15677	30551	30186	25618	22066	17773	13532	8705	4329	3039	3155
	*14180500	DETROIT LK NR DETROIT, OREG	-1344	-940	-155	191	1130	1041	1274	549	136	-156	-511	-1149
	*14181500	N SANTIAM R AT NIAGARA, OREG	2421	3708	4245	3539	2299	1792	1637	2434	1894	1203	1259	1912
	116*14181500	N SANTIAM R AT NIAGARA, OREG (ADJ)	1077	2769	4090	3729	3429	2832	2911	2983	2030	1047	748	762
	*14183000	N SANTIAM R AT MEHAMA, OREG	2827	5304	6668	5729	4133	3350	3010	3576	2553	1423	1376	2071
	117*14186100	GREEN PETER LK NR FOSTER, OREG	-816	-474	-324	151	1093	1005	933	492	36	-248	-538	-971
	*14187500	S SANTIAM R AT WATERLOO, OREG	1894	4722	6757	5853	4263	3529	3139	2573	1570	717	695	1160
	*14189000	SANTIAM R AT JEFFERSON, OREG	4777	11500	17071	15255	11288	9215	7724	7027	4386	1901	1664	2972
	118*14189000	SANTIAM R AT JEFFERSON, OREG (ADJ)	2620	10117	16689	15567	13316	11071	9732	8095	4555	1558	744	1081
	*14190500	LUCKIAMUTE R NR SUVER, OREG	132	998	2281	2271	1809	1501	844	407	192	70	36	51

#20

WATERMASTER DIVISION 33 APPLICATION WORK SHEET

Recommendations for Water Right Applications that may affect the Habitat of Sensitive, Threatened or Endangered Fish Species, OAR 690-33-310 through 340.

Date: January 16, 2004 **30 day Deadline Date: February 19, 2004** **Application #G-16039**

Applicant's Name: **BAILEY NURSERIES INC.; SAUVIE ISLAND DIVISION, ATTN: MR SHIRLEN WILSON**

SOURCE OF WATER: * **GROUNDWATER** ☐ SURFACE WATER ☐ STORAGE IR = Col R.

DESCRIPTION OF THE SOURCE: **WELL 1, POTENTIAL FOR SUBSTANTIAL INTERFERENCE, MULTNOMAH CHANNEL**
(A spring, well, sump, exempt pond, unnamed stream, etc.)

1) If from surface water, does the water at the proposed diversion location flow into another water body?

N/A ☐ YES ☐ NO ☐ SOMETIMES RECD JAN 18 2004

If sometimes, describe the time period, Between: _____ and _____.

2) Does the source ever go dry in the area of the proposed diversion?

☐ YES ☑ NO

3) To your knowledge, has the requested source of water been regulated because of insufficient flow to satisfy existing water rights including instream water rights?

☐ YES ☑ NO

If YES, please explain: _____

4) Do you agree with the water availability recommended period of use?

☑ YES ☐ NO ☐ I DON'T KNOW

If NO, why do you disagree with the recommended period of use and what period do you recommend? _____

5) Did you meet with staff from another agency to discuss this application?

☐ YES ☑ NO

Who: _____ Agency: _____ Date: _____

6) Is mitigation an option?

☐ YES ☐ NO ☑ do not know

If YES, please explain: _____

Comments: Permit condition 6-57 should be required

Name: Mike McCord Date: 2-2-04 Title: Asst 20 W.R.M.

WRD Contact: Caseworker: **Jerry Gainey**, Water Rights Division
503-**986-0812**/ Fax: 503-986-0901 / e-mail: jerry.w.gainey@wrd.or.state.us

ODFW PUBLIC INTEREST REVIEW SHEET

Application #G-16039 Applicant's Name: BAILEY NURSERIES INC.; SAUVIE ISLAND DIVISION, ATTN: MR SHIRLEN WILSON

1) Will the proposed use occur in an area that may affect the habitat of fish or wildlife species?

NO (YES) Species: native fish and wildlife species

Other:

What stage or value is at risk (circle all that apply): Spawning, Incubation, Rearing, Passage, (Habitat Value)

2) Will the proposed use result in a loss of habitat? NO (YES)

3) Can conditions be applied to mitigate the impact to the loss of habitat? NO (YES)

Which conditions are recommended?
If there is the potential for substantial interference of surface water in Mud Slough then habitats for certain native fish and wildlife species could be affected.

(Try to select conditions from the Menu of Conditions)

4) If conditions cannot be identified to offset impacts to the habitat, would the proposed use harm the species?

NO (YES)

If YES, please explain: If substantial changes from this water use do occur in the Mud Slough basin and habitats for native fish and wildlife are changed then mitigation of habitat loss should be required.

5) If a permit is approved, what fish screen, bypass or other conditions should be included in the permit?
standard approved well pump type fish screening

ODFW Representative: Name: Dick Caldwell Date: 1/29/04

WRD Contact: WRD Contact: Caseworker: **Jerry Gainey**, Water Rights Division
503-986-0812/ Fax: 503-986-0901 / e-mail: jerry.w.gainey@wrd.or.state.us

This page to be completed by the local Watermaster.

SURFACE WATER AVAILABILITY REPORT

Name of Applicant Mr. Shirlen Wilson for Bailey Nurseries Inc. Application Number G-16039

1. To your knowledge, has the stream or basin that is the source for this application ever been regulated for prior rights?

   Yes _____ No ✓

   If yes, please explain.

2. Has the stream or basin that is the source for this application ever been regulated for instream water rights?

   Yes _____ No ✓

   If yes, please explain.

3. Do you observe this stream system during regular field work?

   Yes ✓ No _____

   If yes, what are your observations for the stream?

4. Based on your observations, would there be water available in the quantity and at times needed to supply the development proposed by this application?

   Yes ✓ No _____ Don't know _____

   What would you recommend for conditions on a permit that may be issued approving this application?

5. What other recommendations, if any, would you like to make?

   Condition 5. 57

Signature Michael McCord WM District # 20 Date 1.23.04

S:\groups\wr\Resource Center\forms\general\watermaster wra form.wpd

Mailing List for PFO Copies

Application #G-16039 PFO Date March 16, 2004

Original mailed to:

Applicant: BAILEY NURSERIES INC.; SAUVIE ISLAND DIVISION ATTN: MR SHIRLEN WILSON, 18616 NW REEDER RD, PORTLAND, OR 97231

Copies Mailed
By: NB
(SUPPORT STAFF)
on: 3/16/04
(DATE)

Copies sent to:
1. WRD - File # G-16039
2. Water Availability: Ken Stahr

PFO and Map Copies sent to:
3. WRD - Watermaster # 20
4. Regional Manager: NWR

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

5. W. Richard Verboort, CWRE #135

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

CASEWORKER : Gaineyjw- WEEK 451

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-16039

Proposed Final Order

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

Application History

On June 26, 2003, Bailey Nurseries Inc.; Sauvie Island Division submitted an application to the Department for the following water use permit:

- Amount of Water: 6.684 Cubic Feet per Second (CFS)
- Use of Water: Nursery Use on 855.4 Acres
- Source of Water: Well 1 and Well 2 in Mud Slough Basin
- Area of Proposed Use: Multnomah County within Section 10, Section 11, Section 14, Section 15, and Section 23, Township 2 North, Range 1 West, W.M.

On January 16, 2004, the Department mailed the applicant notice of its Initial Review, determining that "*The use of 6.684 cubic feet per second from Well 1 and Well 2 in Mud Slough Basin for nursery use on 855.4 acres is allowable year-round.*" The applicant did not notify the Department to stop processing the application within 14 days of that date.

On January 20, 2004, 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.

No written comments were received within 30 days.

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

- comments by or consultation with another state agency
- 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 groundwater 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

Uses included in nursery use are fully included in irrigation and agriculture uses, both of which are allowed by OAR 690-502, the Willamette Basin Program. Therefore, the use of water from Well 1 and Well 2 for nursery use **is classified.**

Senior water rights exist on Well 1 and Well 2 in Mud Slough Basin, or on downstream waters.

Well 1 and Well 2 in Mud Slough Basin are not within or above a State Scenic Waterway.

The Groundwater Section finds, per OAR 390.835(9), there is not a preponderance of evidence that the proposed use of groundwater 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.

Groundwater Findings Under OAR 690-09

The Department determined, consistent with OAR 690-09-0040(4), that the proposed ground water use will have the potential for substantial interference with the nearest surface water source, namely Columbia River.

In making this determination, the Department considered whether:

(a) There is a hydraulic connection from the proposed well(s) to any surface water sources.
(b) The point of appropriation is a horizontal distance less than one-fourth mile from the surface water source;
(c) 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) 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) 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.

For this application, the Department determined that there is the potential for substantial interference because of the following items described above: (a), (b)

In accordance with OAR 690-33-330, an interagency team reviewed this proposed use for potential adverse impacts on sensitive, threatened and endangered fish populations. This team consisted of representatives from the Oregon Departments of Water Resources (WRD), Environmental Quality, Fish and Wildlife (DFW), and Agriculture. WRD and DFW representatives included both technical and field staff. The interagency team recommended that additional limitations or conditions of use be imposed on this application as follows:

Before water use may begin under this permit, a totalizing flow meter must be installed at each diversion point. The totalizing flow meter must be installed and maintained consistent with those standards identified in OAR 690-507-645(1) through (3).

An assessment of groundwater availability has been completed by the Department's Groundwater/Hydrology section. A copy of this assessment is in the file. The proposed use of groundwater will likely be available in the amounts requested without injury to prior rights and/or within the capacity of the resource.

The Department finds that the amount of water requested, 6.684 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 Plan, 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 March 16, 2004

Dwight French
Water Rights Section Manager

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

Protest Rights and Standing

Under the provisions of 537.621(7), you have the right to protest this proposed final order. Your protest 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 $250 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.
- <u>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.</u>

Requests for Standing

Under the provisions of 537.621(6), persons other than the applicant who support a proposed final order may request standing for purposes of participating in any contested case proceeding on the proposed final

order or for judicial review of a final order. A request for standing shall be in writing, include a statement that the requester supports the proposed final order, and a statement of how the requester would be harmed if the proposed final order is modified. The fee required at the time of submitting this request is $50.00. If a hearing is scheduled, an additional fee of $200.00 must be submitted along with a request for intervention. Forms to request standing are available from the Department.

Your protest or request for standing must be received in the Water Resources Department no later than **April 30, 2004.**

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 if

- 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 Jerry Gainey. *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* 503-986-0812.

If you have questions about how to file a protest or if you have previously filed a protest and want to know the status, please contact Renee Moulun at 503-986-0824.

If you have other questions about the Department or any of its programs please contact our Water Rights Information 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 97301-1271, Fax: 503-986-0901.

Gaineyjw- WEEK 451

STATE OF OREGON

COUNTY OF Multnomah

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

BAILEY NURSERIES INC.
SAUVIE ISLAND DIVISION
18616 NW REEDER RD
PORTLAND, OR 97231

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

APPLICATION FILE NUMBER: G-16039

SOURCE OF WATER: WELL 1 AND WELL 2 IN MUD SLOUGH BASIN

PURPOSE OR USE: NURSERY USE ON 855.4 ACRES

MAXIMUM RATE: 6.684 CUBIC FEET PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: JUNE 26, 2003

WELL LOCATION:

WELL 1: NW ¼ NW ¼, SECTION 15, T2N, R1W, W.M.; 500 FEET SOUTH & 900 FEET EAST FROM NW CORNER, SECTION 15

WELL 2: SE ¼ NE ¼, SECTION 15, T2N, R1W, W.M.; 1850 FEET SOUTH & 800 FEET WEST FROM NE CORNER, SECTION 15

The amount of water used for nursery use is limited to a maximum of 5.0 acre feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one fortieth of one cubic foot per second and 5.0 acre feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre per year. The use of water for nursery use may be made at any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SW ¼ NE ¼	(GOVT LOT: 1)	14.8 ACRES
SE ¼ NW ¼	(GOVT LOT: 2)	20.2 ACRES
NE ¼ SW ¼	(GOVT LOT: 5)	40.0 ACRES
NW ¼ SW ¼	(GOVT LOT: 4)	0.6 ACRE
SW ¼ SW ¼	(GOVT LOT: 7)	21.3 ACRES
SE ¼ SW ¼		40.0 ACRES
NW ¼ SE ¼	(GOVT LOT: 6)	31.2 ACRES
SW ¼ SE ¼		40.0 ACRES
SE ¼ SE ¼		40.0 ACRES
	SECTION 10	
SW ¼ SW ¼		32.0 ACRES
	SECTION 11	
NW ¼ NW ¼		39.4 ACRES
SW ¼ NW ¼		40.0 ACRES
NE ¼ SW ¼		2.4 ACRES
NW ¼ SW ¼		40.0 ACRES
SW ¼ SW ¼		36.4 ACRES
SE ¼ SW ¼		31.0 ACRES
SW ¼ SE ¼		18.6 ACRES
	SECTION 14	
NE ¼ NE ¼		40.0 ACRES
NW ¼ NE ¼		40.0 ACRES
SW ¼ NE ¼		40.0 ACRES
SE ¼ NE ¼		40.0 ACRES
NE ¼ NW ¼		39.9 ACRES
NW ¼ NW ¼		13.0 ACRES
SE ¼ NW ¼		22.3 ACRES
NE ¼ SW ¼		19.9 ACRES
SE ¼ SW ¼		0.8 ACRE
NE ¼ SE ¼		27.0 ACRES
NW ¼ SE ¼		17.0 ACRES
SE ¼ SE ¼		2.4 ACRES
	SECTION 15	
NW ¼ NE ¼		9.0 ACRES
NE ¼ NW ¼		39.4 ACRES
NW ¼ NW ¼		10.8 ACRES
SE ¼ NW ¼		6.0 ACRES
	SECTION 23	

TOWNSHIP 2 NORTH, RANGE 1 WEST, W.M.

Measurement, recording and reporting conditions:

A. Before water use may begin under this permit, a totalizing flow meter must be installed at each diversion point. The totalizing flow meter must be installed and maintained consistent with those standards identified in OAR 690-507-645(1) through (3). The permittee shall maintain the meter in good working order, shall keep a complete record of the amount

of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. 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.

STANDARD CONDITIONS

If the number, location, or construction of any well deviates from that proposed in the permit application or permit conditions, the conclusions of the Proposed Final Order and Final Order under which this permit was granted may be revised, conditions may be appropriately revised, or this permit may not be valid.

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 wells 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.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Complete application of the water to the use shall be made on or before October 1, 2008. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based upon the merit of the application.

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 _____, 2004

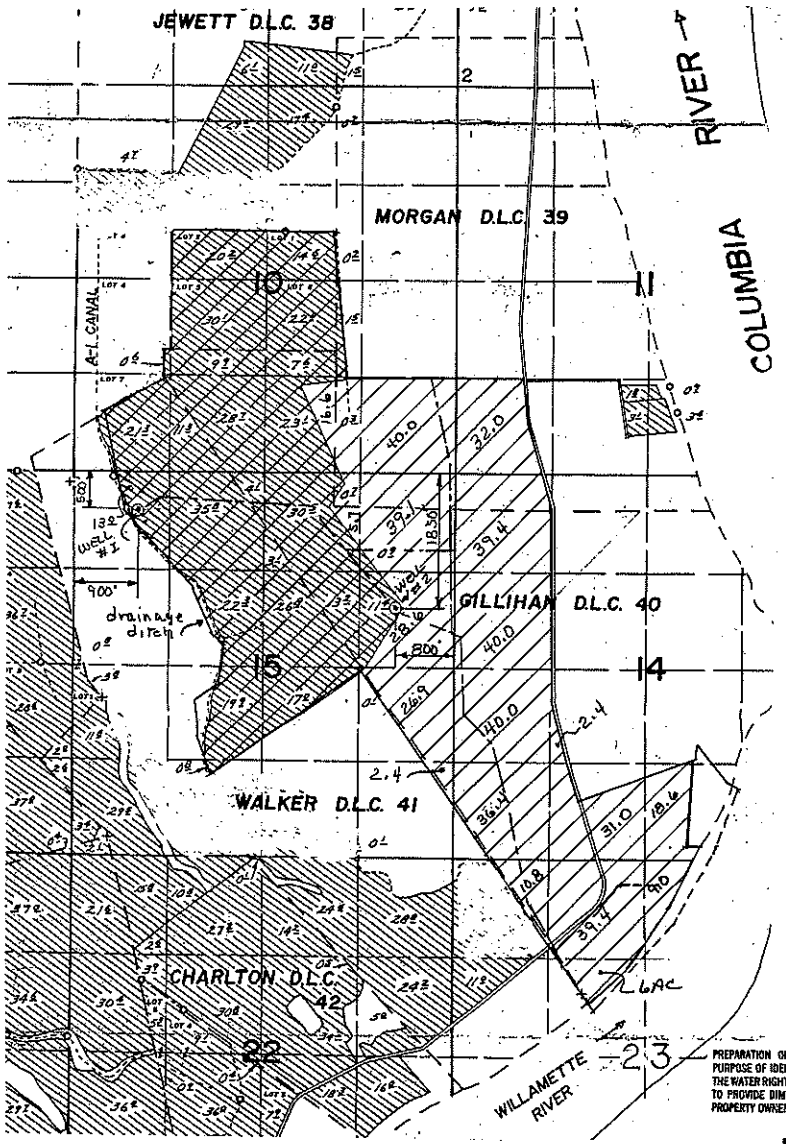
DRAFT - THIS IS NOT A PERMIT

_____
Paul R. Cleary, Director
Water Resources Department

REAL ESTATE TRANSACTIONS: Pursuant to ORS 537.330, in any transaction for the conveyance of real estate that includes any portion of the lands described in this permit, the seller of the real estate shall, upon accepting an offer to purchase that real estate, also inform the purchaser in writing whether any permit, transfer approval order, or certificate evidencing the water right is available and that the seller will deliver any permit, transfer approval order or certificate to the purchaser at closing, if the permit, transfer approval order or certificate is available.

CULTURAL RESOURCES PROTECTION LAWS: Permittees involved in ground-disturbing activities should be aware of federal and state cultural resources protection laws. ORS 358.920 prohibits the excavation, injury, destruction or alteration of an archeological site or object, or removal of archeological objects from public and private lands without an archeological permit issued by the State Historic Preservation Office. 16 USC 470, Section 106, National Historic Preservation Act of 1966 requires a federal agency, prior to any undertaking to take into account the effect of the undertaking that is included on or eligible for inclusion in the National Register. For further information, contact the State Historic Preservation Office at 503-378-4168, extension 232.

RIW



PREPARATION OF THIS MAP IS FOR THE PURPOSE OF IDENTIFYING THE LOCATION OF THE WATER RIGHT ONLY. THERE IS NO INTENT TO PROVIDE DIMENSIONS OR LOCATION OF PROPERTY OWNERSHIP LINES.

RECEIVED
JUN 2 6 2003
WATER RESOURCES DEPT.
SALEM, OREGON

THIS APPLICATION

CERTIFICATE 49880 (TYPICAL)

Scale: 1"= 1320'

MAP BASE: ODWR Cert Map for 49880

Certified Water Right Examiner #135
W. Richard Verboort
Nov. 19, 1987
STATE OF OREGON

VERBOORT ENGINEERING
AGRICULTURE • CIVIL • WATER RESOURCES
HILLSBORO, OREGON

	by	date
designed	RV	4-18-03
drawn	RV	4-18-03
checked		
drawing no.	03-R-11	
sheet no.	1 / 1	

GROUNDWATER APPLICATION

BAILEY NURSERIES, INC.
SAUVIE ISLAND DIVISION
18616 N. W. REEDER ROAD
PORTLAND, OR 97231

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

January 16, 2004

BAILEY NURSERIES INC.; SAUVIE ISLAND DIVISION
ATTN: MR SHIRLEN WILSON
18616 NW REEDER RD
PORTLAND, OR 97231

Reference: File G-16039

Dear Mr. Wilson:

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 where otherwise noted below.

2. Uses included in nursery use are fully included in irrigation and agriculture uses, both of which are allowed by OAR 690-502, the Willamette Basin Program. Therefore, the use of water from Well 1 and Well 2 for nursery use **is classified.**

3. The Department has determined, based upon OAR 690-09, that the proposed groundwater use will have the potential for substantial interference with the nearest surface water source, namely Columbia River. Therefore limitations to the surface water source must be applied to this application also.

4. OAR 690-502-150(3) allows nursery use and the Department finds water **is available** year-round.

5. The Department has also determined, based upon available data, that the use of groundwater will likely be available in the amounts requested without injury to prior rights and/or within the capacity of the resource.

Summary of Initial Determinations

The use of 6.684 cubic feet per second from Well 1 and Well 2 in Mud Slough Basin for nursery use on 855.4 acres is allowable year-round.

Because of these favorable determinations, the Department can now move your application to the next phase of the water rights application review process. This phase is where public interest factors will be evaluated.

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, January 30, 2004**. 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, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. 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.

2. The priority date for this application is June 26, 2003.

3. The amount of water used for nursery use is limited to a maximum of 5.0 acre feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one fortieth of one cubic foot per second and 5.0 acre feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre per year. The use of water for nursery use may be made at any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre during the irrigation season of each year.

The water source identified in your application may be affected by an Agricultural Water Quality Management Area Plan. These plans are developed by the Oregon Department of Agriculture (ODA) with the cooperation of local landowners and other interested stakeholders, and help to ensure that current and new appropriations of water are done in a way that does not adversely harm the environment. You are encouraged to explore ODA's Water Quality Program web site at http://www.oda.state.or.us/nrd/water_quality/index.html to learn more about the plans and how they 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 503-986-0801. Feel free to call me at 503-986-0812 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, 725 Summer St NE Ste A, Salem OR 97301-1271, Fax: 503-986-0901.

Sincerely,

for

Jerry W. Gainey
Water Right Application Caseworker

enclosures: Flow Chart of Water Right Process
Stop Processing Form

G-16039
wab 2-
pou 2-
gw B

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-16039

Applicant: BAILEY NURSERIES INC.; SAUVIE ISLAND DIVISION, ATTN: MR SHIRLEN WILSON

County: Multnomah

Watermaster: 20

Priority Date: June 26, 2003

Source: WELL 1 AND WELL 2 IN MUD SLOUGH BASIN

Use: NURSERY USE ON 855.4 ACRES

Quantity: 6.684 CUBIC FEET PER SECOND

Basin Name & Number: Willamette, #2

Stream Index Reference: Volume 26 MULTNOMAH CHANNEL & TRIBS

Well Locations: WELL 1: NWNW, SECTION 15, T2N, R1W, W.M.; 500 FEET SOUTH & 900 FEET EAST FROM NW CORNER, SECTION 15; WELL 2: SENE, SECTION 15, T2N, R1W, W.M.; 1850 FEET SOUTH & 800 FEET WEST FROM NE CORNER, SECTION 15

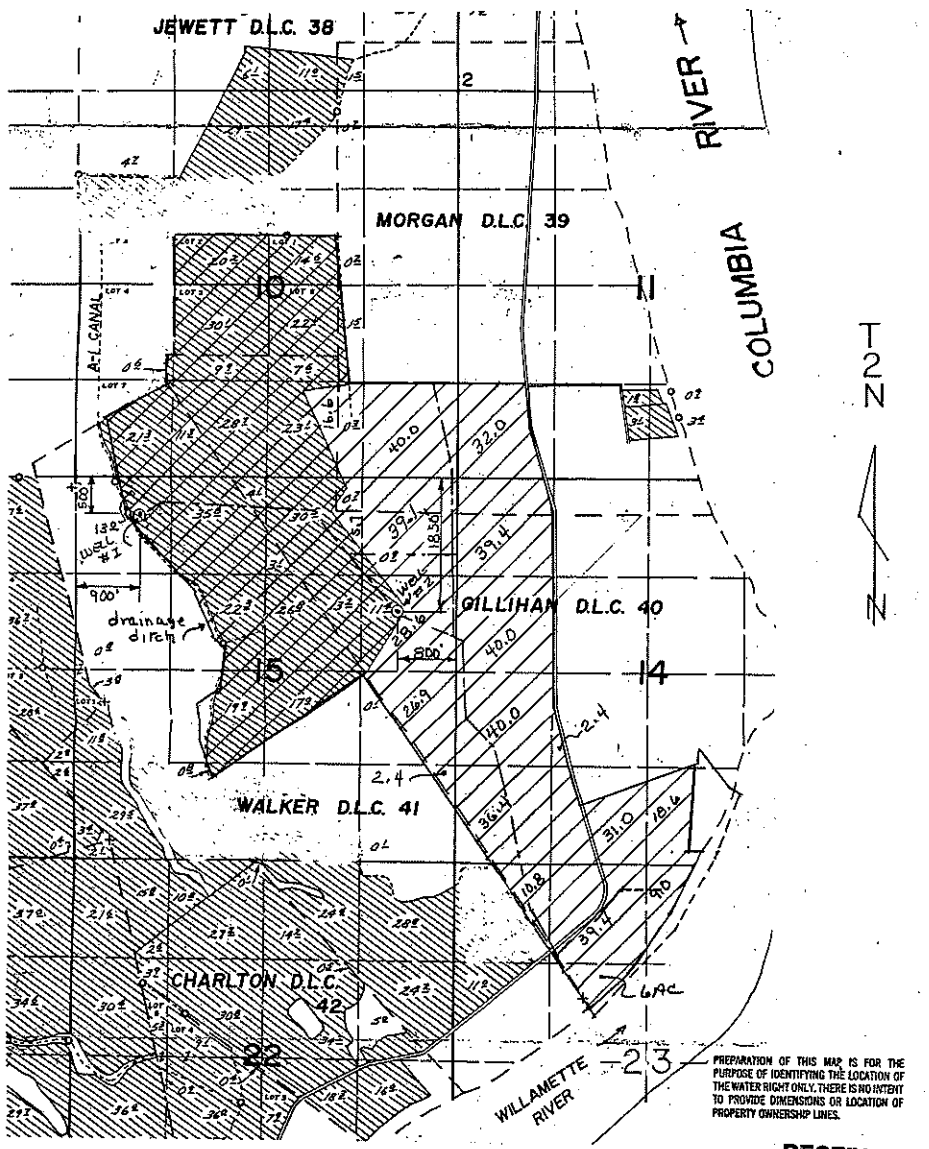
Place of Use: SWNE GOVT LOT: 1, 14.8 ACRES, SENW GOVT LOT: 2, 20.2 ACRES, NESW GOVT LOT: 5, 40.0 ACRES, NWSW GOVT LOT: 4, 0.6 ACRES, SWSW GOVT LOT: 7, 21.3 ACRES, SESW 40.0 ACRES, NWSE GOVT LOT: 6, 31.2 ACRES, SWSE 40.0 ACRES, SESE 40.0 ACRES, SECTION 10, SWSW 32.0 ACRES, SECTION 11, NWNW 39.4 ACRES, SWNW 40.0 ACRES, NESW 2.4 ACRES, NWSW 40.0 ACRES, SWSW 36.4 ACRES, SESW 31.0 ACRES, SWSE 18.6 ACRES, SECTION 14, NENE 40.0 ACRES, NWNE 40.0 ACRES,

SWNE 40.0 ACRES, SENE 40.0 ACRES, NENW 39.9 ACRES, NWNW 13.0 ACRES, SENW 22.3 ACRES, NESW 19.9 ACRES, SESW 0.8 ACRES, NESE 27.0 ACRES, NWSE 17.0 ACRES, SESE 2.4 ACRES, SECTION 15, NWNE 9.0 ACRES, NENW 39.4 ACRES, NWNW 10.8 ACRES, SENW 6.0 ACRES, SECTION 23, TOWNSHIP 2 NORTH, RANGE 1 WEST, W.M.

14 DAY STOP PROCESSING DEADLINE DATE: Friday, January 30, 2004

PUBLIC NOTICE DATE: Tuesday, January 20, 2004

30 DAY COMMENT DEADLINE DATE: Thursday, February 19, 2004



PREPARATION OF THIS MAP IS FOR THE PURPOSE OF IDENTIFYING THE LOCATION OF THE WATER RIGHT ONLY. THERE IS NO INTENT TO PROVIDE DIMENSIONS OR LOCATION OF PROPERTY OWNERSHIP LINES.

RECEIVED
JUN 26 2003
WATER RESOURCES DEPT.
SALEM, OREGON

THIS APPLICATION

CERTIFICATE 49880 (TYPICAL)

Scale: 1"= 1320'

MAP BASE: ODWR Cert Map for 49880

Certified Water Right Examiner #135
W. Richard Verboort
Nov. 19, 1987
STATE OF OREGON

VERBOORT ENGINEERING
AGRICULTURE · CIVIL · WATER RESOURCES
HILLSBORO, OREGON

	by	date
designed	RV	6-18-03
drawn	RV	6-18-03
checked		
drawing no.	03-B-11	
sheet no.	1 / 1	

GROUNDWATER APPLICATION

BAILEY NURSERIES, INC.
SAUVIE ISLAND DIVISION
18616 N. W. REEDER ROAD
PORTLAND, OR 97231

Mailing List for IR Copies

Application #G-16039 IR Date: January 16, 2004

Original mailed to:

Applicant: BAILEY NURSERIES INC.; SAUVIE ISLAND DIVISION, ATTN: MR SHIRLEN WILSON, 18616 NW REEDER RD, PORTLAND, OR 97231

Copies Mailed
By: JCB
(SUPPORT STAFF)
on: 1/16/04
(DATE)

Copies sent to:
1. WRD - File # G-16039
2. WRD - Water Availability: Ken Stahr

IR, Map, and Fact Sheet Copies sent to:
3. WRD - Regional Manager NWR

Note to Support: staple Division 33 Review Forms to front of copy packet for the following:
1) Watermaster 2) ODFW 3) DEQ (if indicated below)

4. WRD - Watermaster # 20 + **Watermaster Form**
5. ODFW District Biologist: Dick Caldwell + **ODFW Form 2 (L. Col./Statewide)**
6. DEQ - Andy Schadel + DEQ form

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

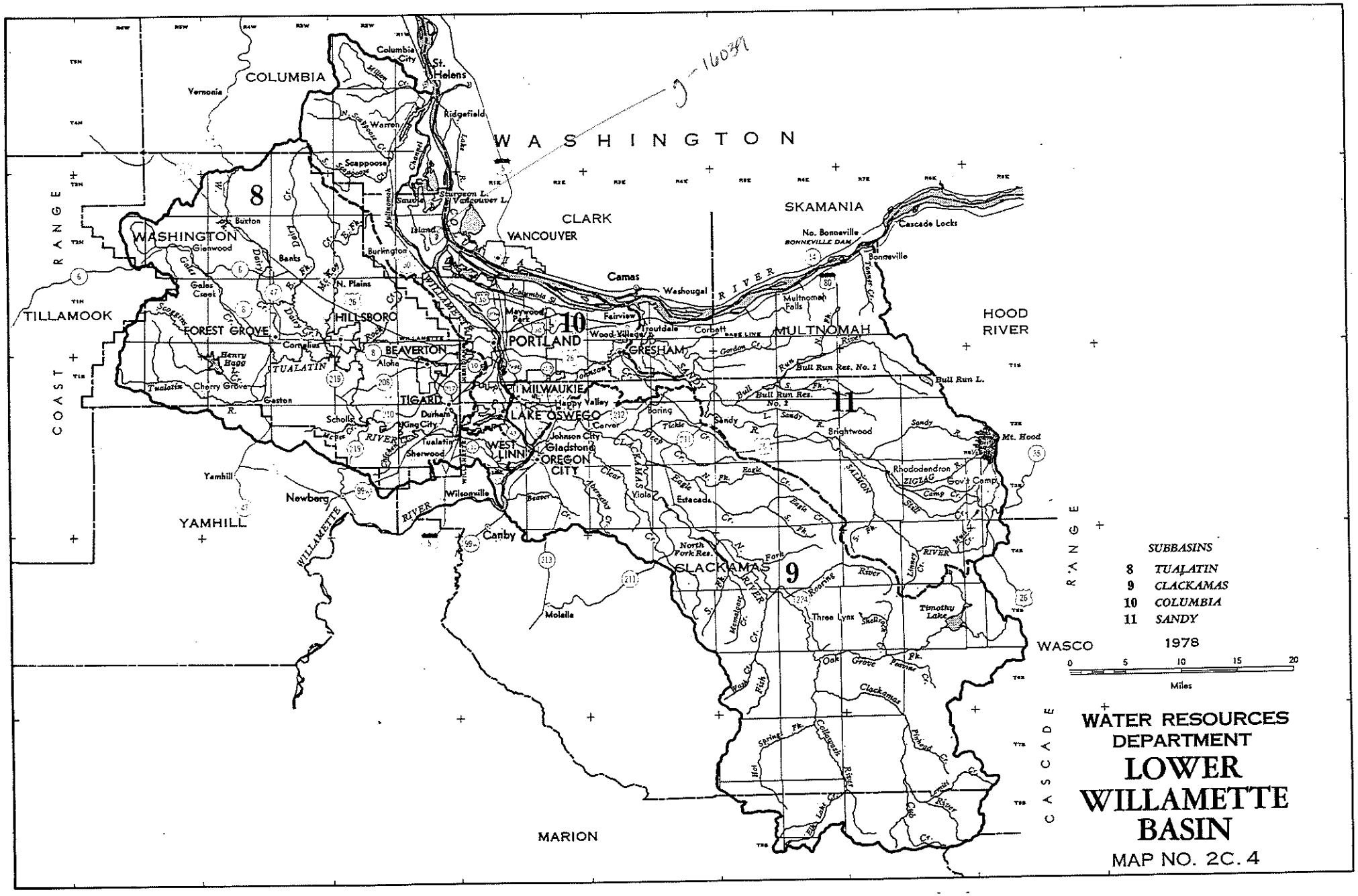
7. 6. Dick Verboort, CWRE #135

COPYSHT.IR

ID# JWG

REMINDER: *Copy **all** IR's for uses in the geographic Umatilla Basin to Confederated Tribes of the Umatilla Indian Reservation, PO Box 638, 73239 Confederated Way, Pendleton, OR 97801.*

REMINDER: *Copy **all** IR's for uses in the Klamath Basin to DEQ and ODFW contacts, regardless of whether they are subject to Division 33. (If they are not subject to Division 33, do not include Division 33 forms.)*



This map has been prepared by WRD to assist you in the review of this application. The dot in the center of the bullseye is a close approximation of the proposed diversion.

Water Resources Department

MEMO Oct 22, [redacted] 2003

TO Application G- 16039

FROM GW: [signature] (Reviewer's Name)

SUBJECT Scenic Waterway Interference Evaluation

☐ Yes
☒ No — The source of appropriation is within or above a Scenic Waterway.

☐ Yes
☒ No — Use the Scenic Waterway condition (Condition 7J).

PREPONDERANCE OF EVIDENCE FINDING: (Check box only if statement is true)

☒ 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.

FLOW REDUCTION: *(To be filled out only if Preponderance of Evidence box is not checked)*

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.

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

PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO: Water Rights Section Date 10/22/03

FROM: Ground Water/Hydrology Section Dan Mielke
Reviewer's Name

SUBJECT: Application G- 16039 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: Applicant's Name: Bailey Nurseries County: Mult.

A1. Applicant(s) seek(s) 6.68 cfs from 2 well(s) in the Columbia / Willamette Basin, subbasin Quad Map: Sauvie Island

A2. Proposed use: Ag / Irrig (Nursery) 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	to be built	1	alluvium	3.34	2N/1W-15 NW¼NW¼	500'S 900'E fr NW cor S15
2	↓	2	alluvium	3.34	2N/1W-15 SE¼ NE¼	1850'S, 800'W fr NE cor S15
3						
4						
5						

* Alluvium, CRB, Bedrock

Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	10	16	9-16	—	275	0-50	0-275	—	"50' "	—	—	—
2	15	16	9-16	—	275	0-50	0-275	—	"50' "	—	—	—

Use data from application for proposed wells.

A4. **Comments:** The well construction and aquifer info is proposed or estimated as the wells are not built. The proposed capacity is reasonable based on available info.

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: The apparent "drainage" ways are tributary to Multnomah Channel and within 1/4 mile. This aquifer is unconfined alluvium.

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

Application G-16039 continued Date 10/13/03

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) _____;
   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:** There isn't much water level data for this area over time but it's hard to imagine we declines in this aquifer. It's a low elevation island in alluvial material.

Application G- 16039 continued Date 10/13/03

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	Alluvium	☐	☒
2	↓	☐	☒
		☐	☐
		☐	☐
		☐	☐

Basis for aquifer confinement evaluation: Available logs, Portland Basin Reports

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

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected? YES	NO	ASSUMED	Potential for Subst. Interfer. Assumed? YES	NO
1	1	Marquam Dry Lake Canal	5	5	100	☒	☐	☐	☒	☐
1	2	Mud Slough	5	5	1000	☒	☐	☐	☒	☐
1	3	Gilbert River	5	5	0400	☒	☐	☐	☐	☐
1	4	Unnamed trib to NE (NDLC)	5	5	2700	☒	☐	☐	☐	☐
2	5	Unnamed trib to East (NDLC)	5	5	200	☒	☐	☐	☒	☐
2	1	Marquam Dry Lake Canal	5	5	2400	☒	☐	☐	☐	☒
2	2	Mud Slough	5	5	4000	☒	☐	☐	☐	☒
2	6	Unnamed Lake to NE	5	5	300 a	☒	☐	☐	☐	☐
2	7	Col. R.	5	5	4500	☒	☐	☐	☐	☒
2	8	Will. R.	5	5	(5500)	☒	☐	☐	☐	☒

Basis for aquifer hydraulic connection evaluation: Every area is low lying, alluvial + unconfined

Water Availability Basin the well(s) are located within: Includes Willamette R. @ mouth #181

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

Well	SW #	Well < ¼ mile?	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
1	1	☒	☐	—	—	☐	—	☐	6%	☒
2	1	☐	☐	—	—	☐	—	☐	2%	☐
1	2	☒	☐	—	—	☐	—	☐	4%	☐
2	2	☐	☐	—	—	☐	—	☐	1%	☐

Application G-16039 continued   Date 10/13/03

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?
	1 2		☒	"	"	☐	"	☐	~6% ~5%	☐
	3 4		☒	"	"	☐	"	☐	~2% ~2%	☐
	5 6		☒	"	"	☐	"	☐	6% 1%	☐
	7 ~~8~~	~~~~	☒	~~[illegible]~~	~~~~	☐	~~[illegible]~~	☐	21% ~~21%~~	☐

more than 1 mile

Comments:

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

Non-Distributed Wells

Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		0.16 %	0.90 %	1.88 %	2.84 %	3.80 %	4.73 %	5.61 %	6.46 %	7.26 %	8.03 %	8.76 %	9.46 %
Well Q as CFS		3.34											>
Interference CFS		0.005	0.030	0.062	0.095	0.127	0.158	0.188	0.216	0.242	0.268	0.292	0.316

Distributed Wells

Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													

(A) = Total Interf.												
(B) = 80 % Nat. Q	27500	30000	28500	25400	20700	11000	6280	4890	4930	5990	12700	24800
(C) = 1 % Nat. Q	275	300	285	254	207	110	62.8	48.9	49.3	59.9	127	248

Application G-16039 continued

Date 10/13/03

1	3	☐	☐	—	—	☐	—	☐	2%	☐
1	4	☐	☐	—	—	☐	—	☐	2%	☐
2	5	☐	☐	—	—	☐	—	☐	6%	☐
2	6	☐	☐	—	—	☐	—	☐	1%	☐
2	7	☐	☐	—	—	☐	—	☐	<1%	☐
2	8	☐	☐	181	1500	☐	4890	☐	<1%	☐

Application G- 16039 continued Date 10/13/03

(D) = (A) > (C)	NO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
(E) = (A / B) x 100	22.1 %	%	%	%	%	%	%	%	%	%	%	%

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

Basis for impact evaluation: Application of Hunt model using the parameters noted on the printout. Parameters seem reasonable based on available information.

C4b. **690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the Water Rights Section.**

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;

C6. **SW / GW Remarks and Conditions** The environment is that of highly transmissive, unconfined alluvium near multiple surface water sources. It appears that the nearby smaller river, canal, ditch and unnamed tribs are mostly artificial drainage features. This makes sense in efforts to use the land for farming. I assume that these features carry much water in winter and little or none in summer. I think that a ground truthing effort would show that the modeled interference does not occur since there is inadequate surface water.

References Used: USGS Portland Basin reports, report in application

Application G-16039 continued Date 10/22/03

D. WELL CONSTRUCTION, OAR 690-200 No Be Built

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

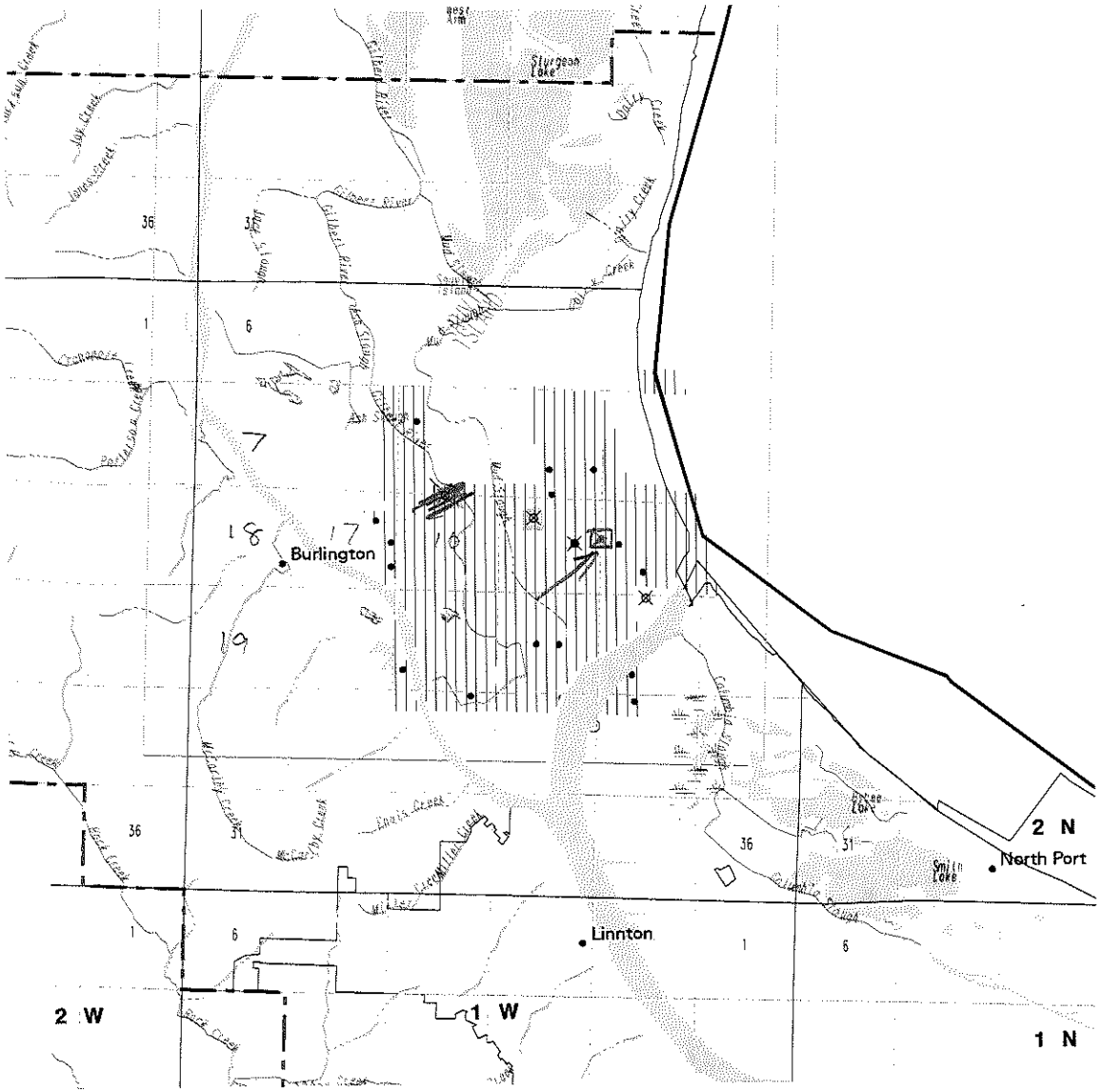
D7. ☐ Well construction deficiency has been corrected by the following actions: _____

_____ _____, 200____.
(Enforcement Section Signature)

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

Wells in the vicinity of application G 16039

- 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



WELL LOGS WITHIN 1 MILE OF APPLICATION G 16039

ABANDON:	30
RECONDITIONED:	10
REPAIRED:	10
CONVERSION:	0
DEEPENINGS:	6
NEW CONSTRUCT:	133
COMMUNITY USE:	2
DOMESTIC USE:	107
INDUSTRIAL USE:	4
INJECTION USE:	0
IRRIGATION USE:	16
THERMAL USE:	0
LIVESTOCK USE:	2

****

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 16039

$RECNO	APPLICATION	PERMIT	CLAIM		LOC-QQ	USE_CODE
1					2.00N 1.00W15NWNW	
2					2.00N 1.00W15SENE	
3	G 9742	G 9538		0	2.00N 1.00W14NESW	IR
4					2.00N 1.00W24NWNW	

****

CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 16039

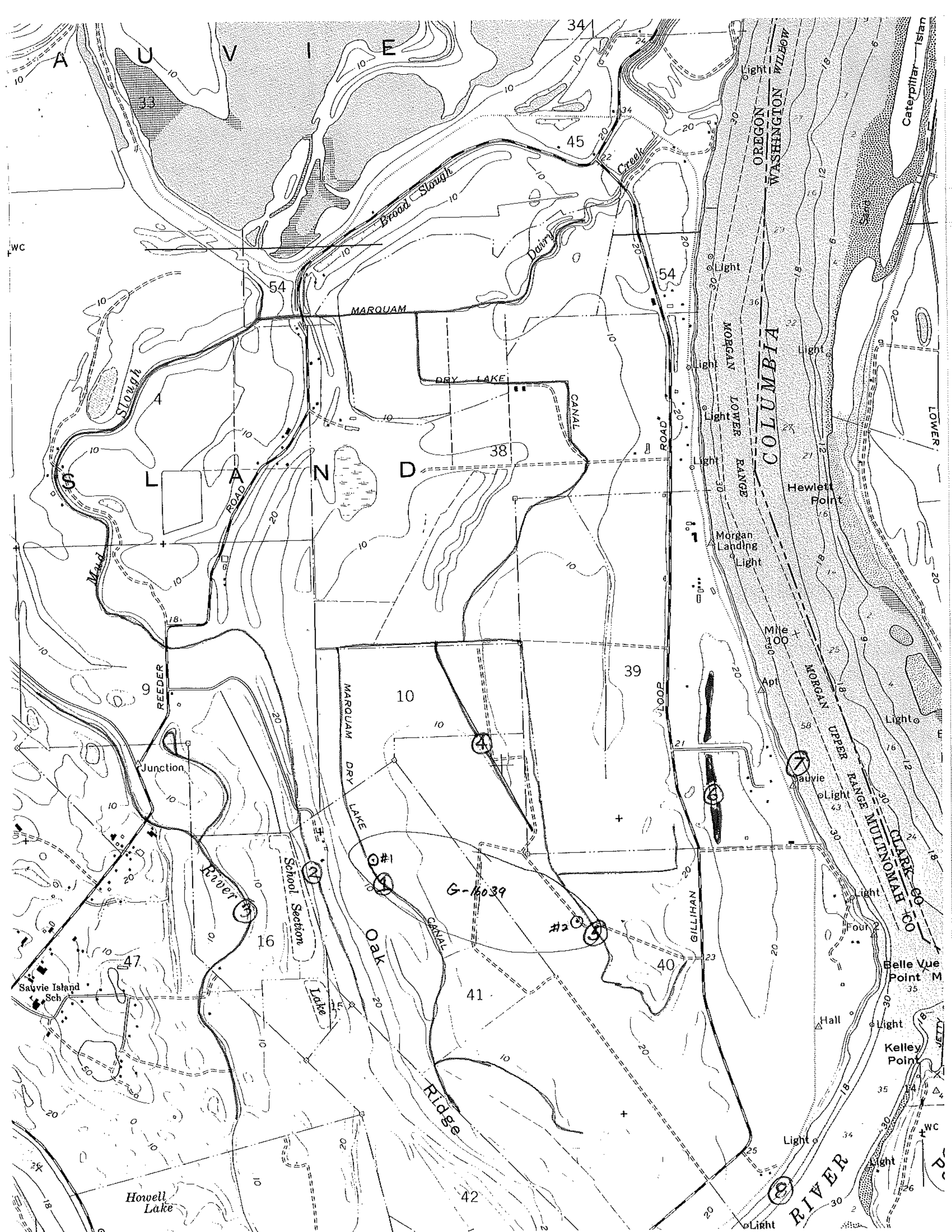
$RECNO	APPLICATION	PERMIT	LOC-QQ	CONDITION-CODE
1			2.00N 1.00W26SENW	
2	G 11845	G 11038	1.00N 2.00W11NWSE	4E
2	G 11845	G 11038	1.00N 2.00W11NWSE	4E
2	G 11845	G 11038	1.00N 2.00W11NWSE	4E
2	G 11845	G 11038	1.00N 2.00W11NWSE	4E

****

APPLICATION G 16039 FALLS WITHIN THESE QUAD(S)

SAUVIE ISLAND

****



SAUVIE ISLAND
Broad Slough
Creek
Dairy
MARQUAM
DRY LAKE
CANAL
ROAD
Mud Slough
REEDER ROAD
Junction
MARQUAM DRY LAKE CANAL
School Section
Lake
Oak Ridge
River
Sauvie Island Sch
Howell Lake
LOOP
GILLIHAN
COLUMBIA
RIVER
OREGON
WASHINGTON
WILLOW
MORGAN LOWER RANGE
MORGAN UPPER RANGE
MULTNOMAH CO
CLARK CO
Caterpillar Island
Sand
Hewlett Point
Morgan Landing
Mile 100
Apt
Sauvie
Four
Belle Vue Point
Hall
Kelley Point
JETTY
LOWER
Light
G-16039
#1
#2

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION

Water Availability as of 10/14/2003 for

WILLAMETTE R > COLUMBIA R - AT MOUTH

Watershed ID #: 181 Basin: WILLAMETTE Exceedance Level: 80

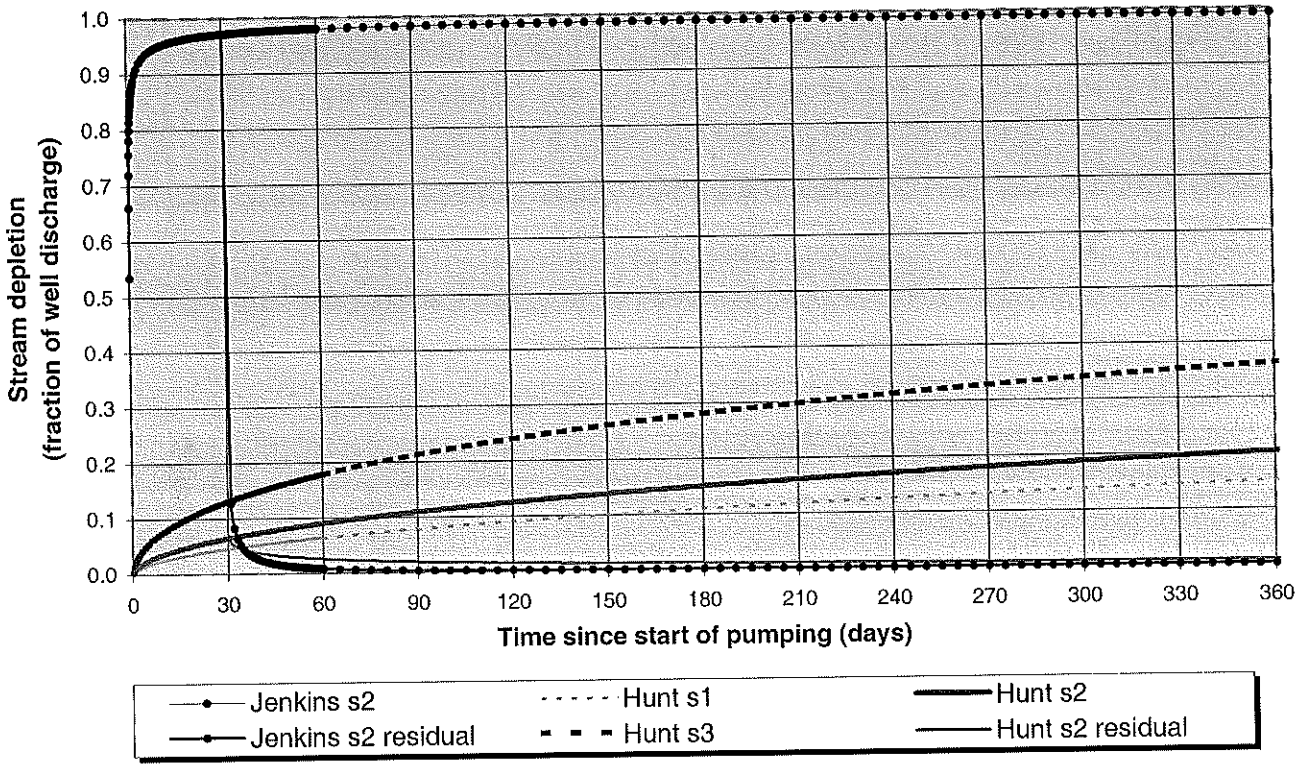
Time: 11:57 Date: 10/14/2003

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	340.00	25200.00	0.00	1500.00	23700.00
2	30000.00	7250.00	335.00	22400.00	0.00	1500.00	20900.00
3	28500.00	6880.00	326.00	21300.00	0.00	1500.00	19800.00
4	25400.00	6590.00	312.00	18500.00	0.00	1500.00	17000.00
5	20700.00	3940.00	271.00	16500.00	0.00	1500.00	15000.00
6	11000.00	1690.00	463.00	8850.00	0.00	1500.00	7350.00
7	6280.00	1660.00	453.00	4170.00	0.00	1500.00	2670.00
8	4890.00	1460.00	422.00	3010.00	0.00	1500.00	1510.00
9	4930.00	1090.00	412.00	3430.00	0.00	1500.00	1930.00
10	5990.00	355.00	227.00	5410.00	0.00	1500.00	3910.00
11	12700.00	502.00	275.00	11900.00	0.00	1500.00	10400.00
12	24800.00	640.00	337.00	23800.00	0.00	1500.00	22300.00
Stor	19700000	2030000	252000	17400000	0	1090000	16400000

Enter (1) to CONTINUE; (2) to WRITE the Table:

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

G-16039, well #1, sw #1



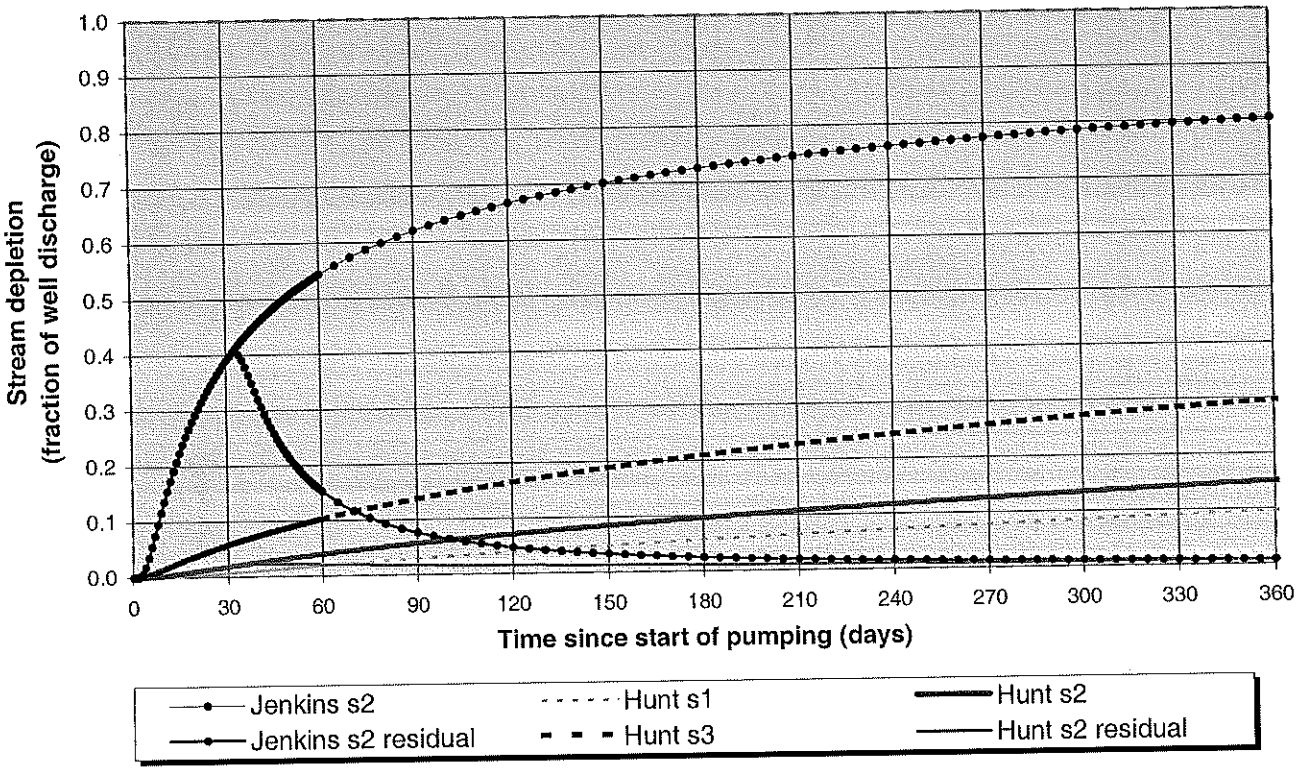
Output for Hunt Stream Depletion, Scenerio 2 (s2): **Time pump on = 30 days**

Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.0647	0.0260	0.0192	0.0157	0.0134	0.0119	0.0107	0.0097	0.0090	0.0084	0.0078	0.0074
Qw, cfs	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340
H SD s2, cfs	0.216	0.087	0.064	0.052	0.045	0.040	0.036	0.033	0.030	0.028	0.026	0.025

Parameters:		**Scenario 1**	**Scenario 2**	**Scenario 3**	**Units**
Net steady pumping rate	Qw	3.34	3.34	3.34	cfs
Distance to stream	a	100	100	100	ft
Aquifer hydraulic conductivity	K	50	100	200	ft/day
Aquifer thickness	b	260	260	260	ft
Aquifer transmissivity	T	13000	26000	52000	ft*ft/day
Aquifer storage coefficient	S	0.2	0.2	0.2	
Stream width	ws	5	5	5	ft
Streambed hydraulic conductivity	Ks	0.5	1	3	ft/day
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc	0.833333333	1.666666667	5	ft/day
Stream depletion factor (Jenkins)	sdf	0.153846154	0.076923077	0.038461538	days
Streambed factor (Hunt)	sbf	0.006410256	0.006410256	0.009615385	

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

G-16039, well #2, sw #1



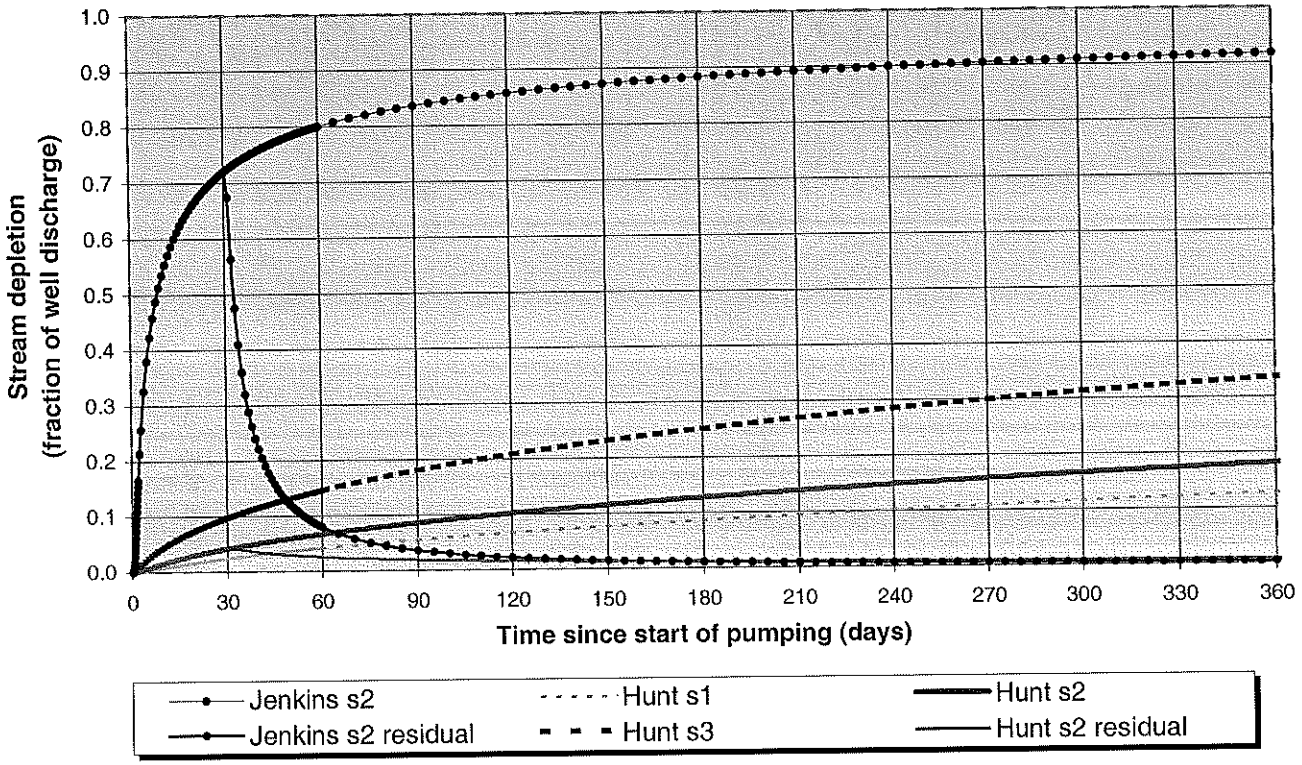
Output for Hunt Stream Depletion, Scenerio 2 (s2): **Time pump on = 30 days**

Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.0186	0.0210	0.0174	0.0149	0.0131	0.0118	0.0107	0.0099	0.0091	0.0085	0.0080	0.0076
Qw, cfs	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340
H SD s2, cfs	0.062	0.070	0.058	0.050	0.044	0.039	0.036	0.033	0.031	0.029	0.027	0.025

Parameters:		**Scenario 1**	**Scenario 2**	**Scenario 3**	**Units**
Net steady pumping rate	Qw	3.34	3.34	3.34	cfs
Distance to stream	a	2400	2400	2400	ft
Aquifer hydraulic conductivity	K	50	100	200	ft/day
Aquifer thickness	b	260	260	260	ft
Aquifer transmissivity	T	13000	26000	52000	ft*ft/day
Aquifer storage coefficient	S	0.2	0.2	0.2	
Stream width	ws	5	5	5	ft
Streambed hydraulic conductivity	Ks	0.5	1	3	ft/day
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc	0.833333333	1.666666667	5	ft/day
Stream depletion factor (Jenkins)	sdf	88.61538462	44.30769231	22.15384615	days
Streambed factor (Hunt)	sbf	0.153846154	0.153846154	0.230769231	

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

G-16039, well #1, sw #2



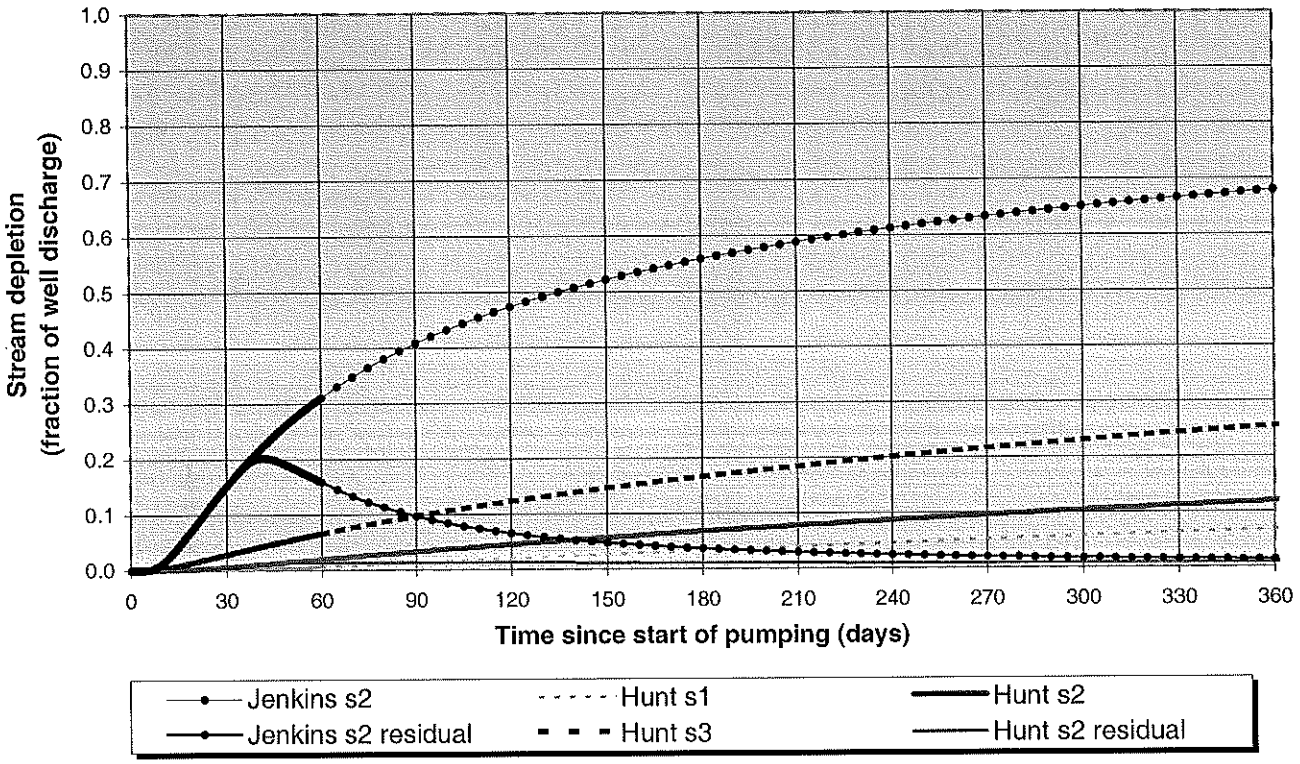
Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 30 days

Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.0418	0.0254	0.0191	0.0158	0.0136	0.0120	0.0109	0.0099	0.0092	0.0085	0.0080	0.0075
Qw, cfs	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340
H SD s2, cfs	0.140	0.085	0.064	0.053	0.045	0.040	0.036	0.033	0.031	0.028	0.027	0.025

Parameters:		**Scenario 1**	**Scenario 2**	**Scenario 3**	**Units**
Net steady pumping rate	Qw	3.34	3.34	3.34	cfs
Distance to stream	a	1000	1000	1000	ft
Aquifer hydraulic conductivity	K	50	100	200	ft/day
Aquifer thickness	b	260	260	260	ft
Aquifer transmissivity	T	13000	26000	52000	ft*ft/day
Aquifer storage coefficient	S	0.2	0.2	0.2	
Stream width	ws	5	5	5	ft
Streambed hydraulic conductivity	Ks	0.5	1	3	ft/day
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc	0.833333333	1.666666667	5	ft/day
Stream depletion factor (Jenkins)	sdf	15.38461538	7.692307692	3.846153846	days
Streambed factor (Hunt)	sbf	0.064102564	0.064102564	0.096153846	

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

G-16039, well #2, sw #2



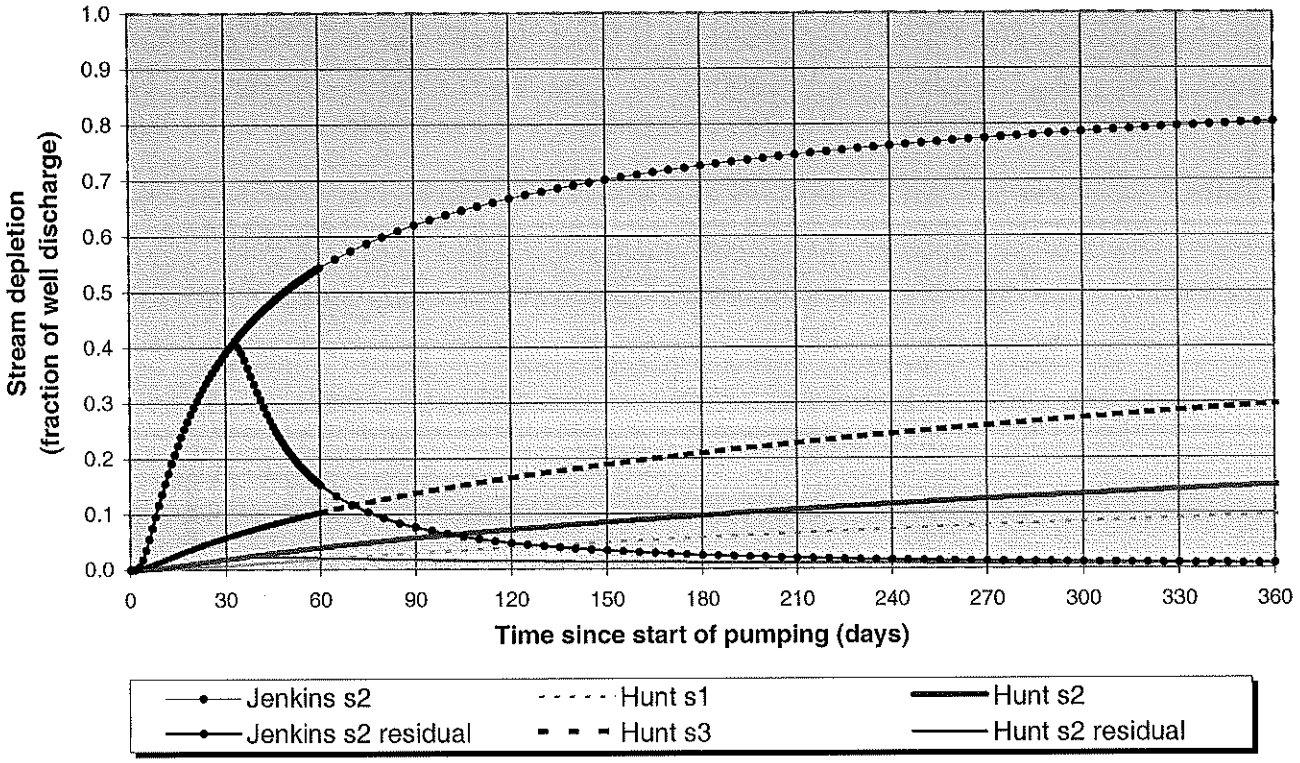
Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 30 days

Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.0059	0.0136	0.0136	0.0126	0.0116	0.0107	0.0100	0.0093	0.0087	0.0082	0.0078	0.0074
Qw, cfs	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340
H SD s2, cfs	0.020	0.045	0.045	0.042	0.039	0.036	0.033	0.031	0.029	0.027	0.026	0.025

Parameters:		**Scenario 1**	**Scenario 2**	**Scenario 3**	**Units**
Net steady pumping rate	Qw	3.34	3.34	3.34	cfs
Distance to stream	a	4000	4000	4000	ft
Aquifer hydraulic conductivity	K	50	100	200	ft/day
Aquifer thickness	b	260	260	260	ft
Aquifer transmissivity	T	13000	26000	52000	ft*ft/day
Aquifer storage coefficient	S	0.2	0.2	0.2	
Stream width	ws	5	5	5	ft
Streambed hydraulic conductivity	Ks	0.5	1	3	ft/day
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc	0.833333333	1.666666667	5	ft/day
Stream depletion factor (Jenkins)	sdf	246.1538462	123.0769231	61.53846154	days
Streambed factor (Hunt)	sbf	0.256410256	0.256410256	0.384615385	

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

G-16039, well #1, sw #3



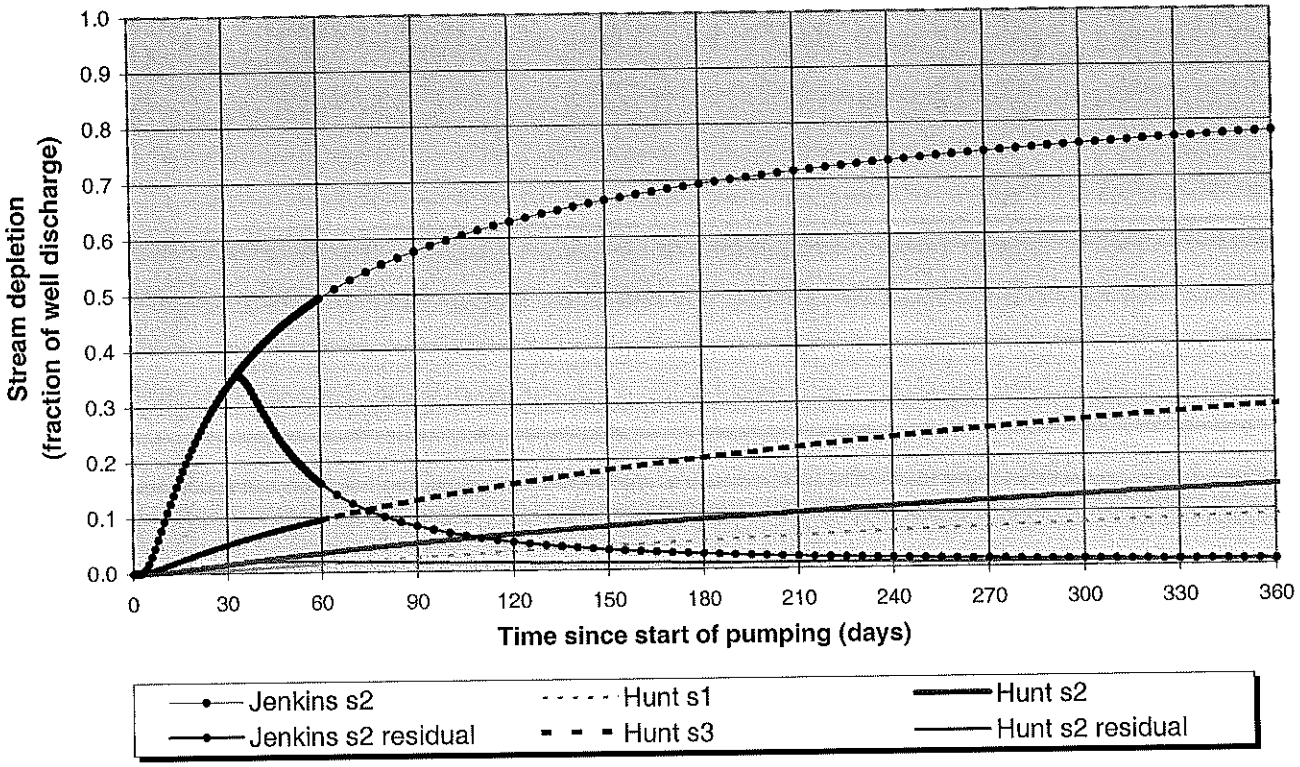
Output for Hunt Stream Depletion, Scenerio 2 (s2): **Time pump on = 30 days**

Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.0186	0.0210	0.0174	0.0149	0.0131	0.0118	0.0107	0.0099	0.0091	0.0085	0.0080	0.0076
Qw, cfs	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340
H SD s2, cfs	0.062	0.070	0.058	0.050	0.044	0.039	0.036	0.033	0.031	0.029	0.027	0.025

Parameters:		**Scenario 1**	**Scenario 2**	**Scenario 3**	**Units**
Net steady pumping rate	Qw	3.34	3.34	3.34	cfs
Distance to stream	a	2400	2400	2400	ft
Aquifer hydraulic conductivity	K	50	100	200	ft/day
Aquifer thickness	b	260	260	260	ft
Aquifer transmissivity	T	13000	26000	52000	ft*ft/day
Aquifer storage coefficient	S	0.2	0.2	0.2	
Stream width	ws	5	5	5	ft
Streambed hydraulic conductivity	Ks	0.5	1	3	ft/day
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc	0.833333333	1.666666667	5	ft/day
Stream depletion factor (Jenkins)	sdf	88.61538462	44.30769231	22.15384615	days
Streambed factor (Hunt)	sbf	0.153846154	0.153846154	0.230769231	

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

G-16039, well #1, sw #4



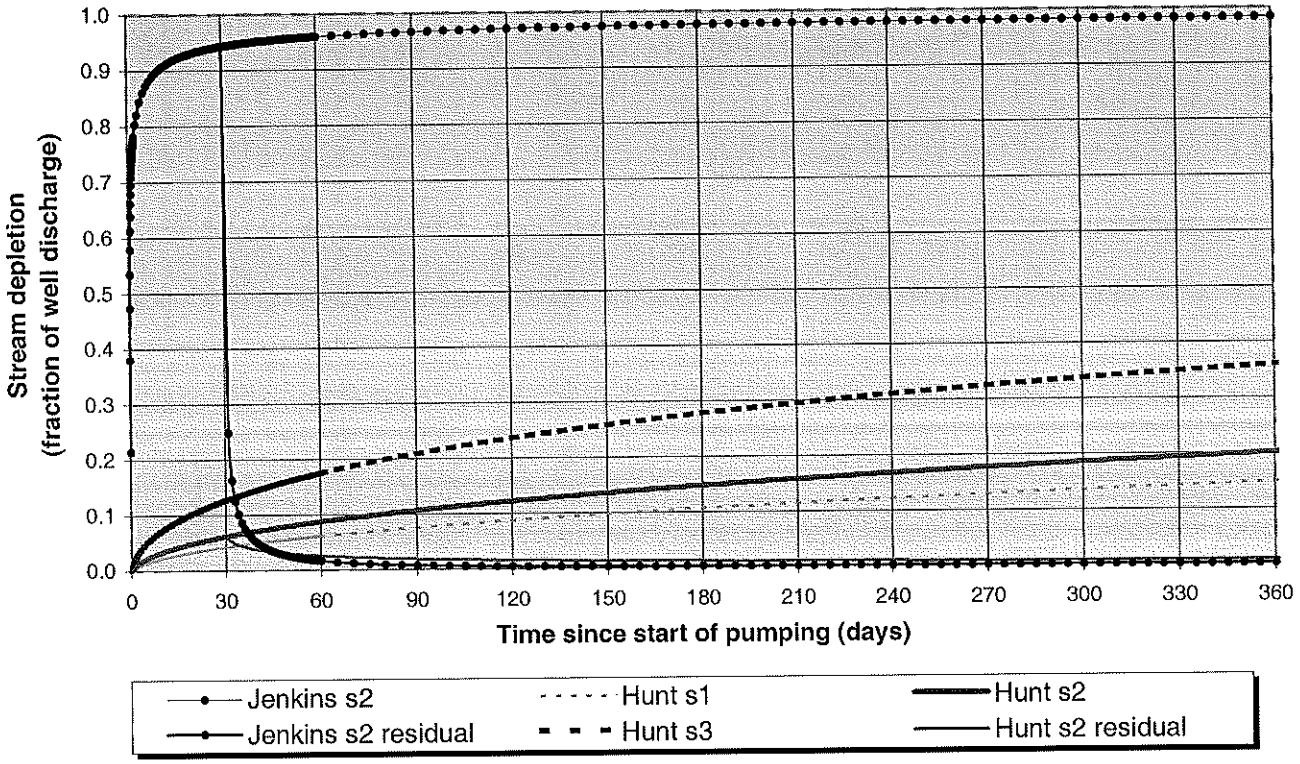
Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 30 days

Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.0153	0.0197	0.0168	0.0145	0.0129	0.0116	0.0106	0.0098	0.0091	0.0085	0.0080	0.0076
Qw, cfs	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340
H SD s2, cfs	0.051	0.066	0.056	0.049	0.043	0.039	0.035	0.033	0.030	0.028	0.027	0.025

Parameters:		**Scenario 1**	**Scenario 2**	**Scenario 3**	**Units**
Net steady pumping rate	Qw	3.34	3.34	3.34	cfs
Distance to stream	a	2700	2700	2700	ft
Aquifer hydraulic conductivity	K	50	100	200	ft/day
Aquifer thickness	b	260	260	260	ft
Aquifer transmissivity	T	13000	26000	52000	ft*ft/day
Aquifer storage coefficient	S	0.2	0.2	0.2	
Stream width	ws	5	5	5	ft
Streambed hydraulic conductivity	Ks	0.5	1	3	ft/day
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc	0.833333333	1.666666667	5	ft/day
Stream depletion factor (Jenkins)	sdf	112.1538462	56.07692308	28.03846154	days
Streambed factor (Hunt)	sbf	0.173076923	0.173076923	0.259615385	

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

G-16039, well #2, sw #5



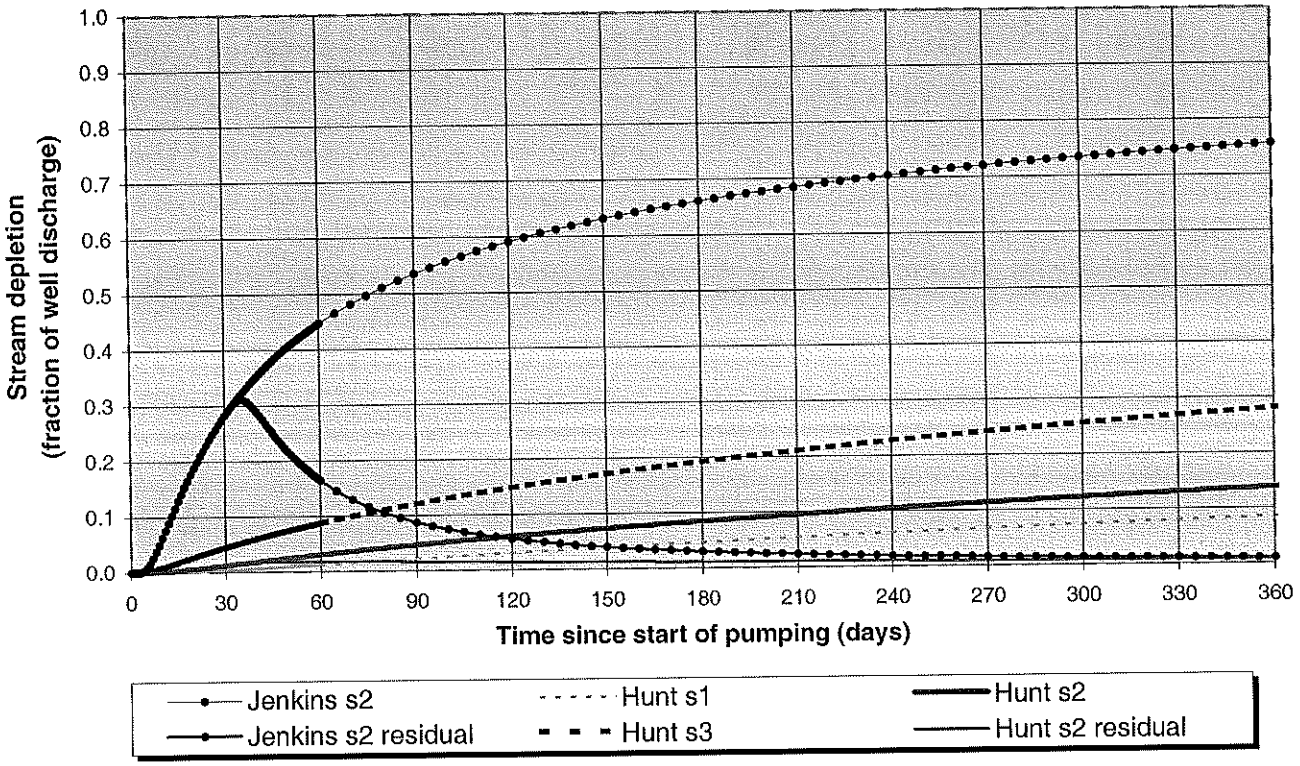
Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 30 days

Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.0618	0.0260	0.0192	0.0157	0.0135	0.0119	0.0107	0.0098	0.0090	0.0084	0.0078	0.0074
Qw, cfs	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340
H SD s2, cfs	0.206	0.087	0.064	0.052	0.045	0.040	0.036	0.033	0.030	0.028	0.026	0.025

Parameters:		**Scenario 1**	**Scenario 2**	**Scenario 3**	**Units**
Net steady pumping rate	Qw	3.34	3.34	3.34	cfs
Distance to stream	a	200	200	200	ft
Aquifer hydraulic conductivity	K	50	100	200	ft/day
Aquifer thickness	b	260	260	260	ft
Aquifer transmissivity	T	13000	26000	52000	ft*ft/day
Aquifer storage coefficient	S	0.2	0.2	0.2	
Stream width	ws	5	5	5	ft
Streambed hydraulic conductivity	Ks	0.5	1	3	ft/day
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc	0.833333333	1.666666667	5	ft/day
Stream depletion factor (Jenkins)	sdf	0.615384615	0.307692308	0.153846154	days
Streambed factor (Hunt)	sbf	0.012820513	0.012820513	0.019230769	

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

G-16039, well #2, sw #6



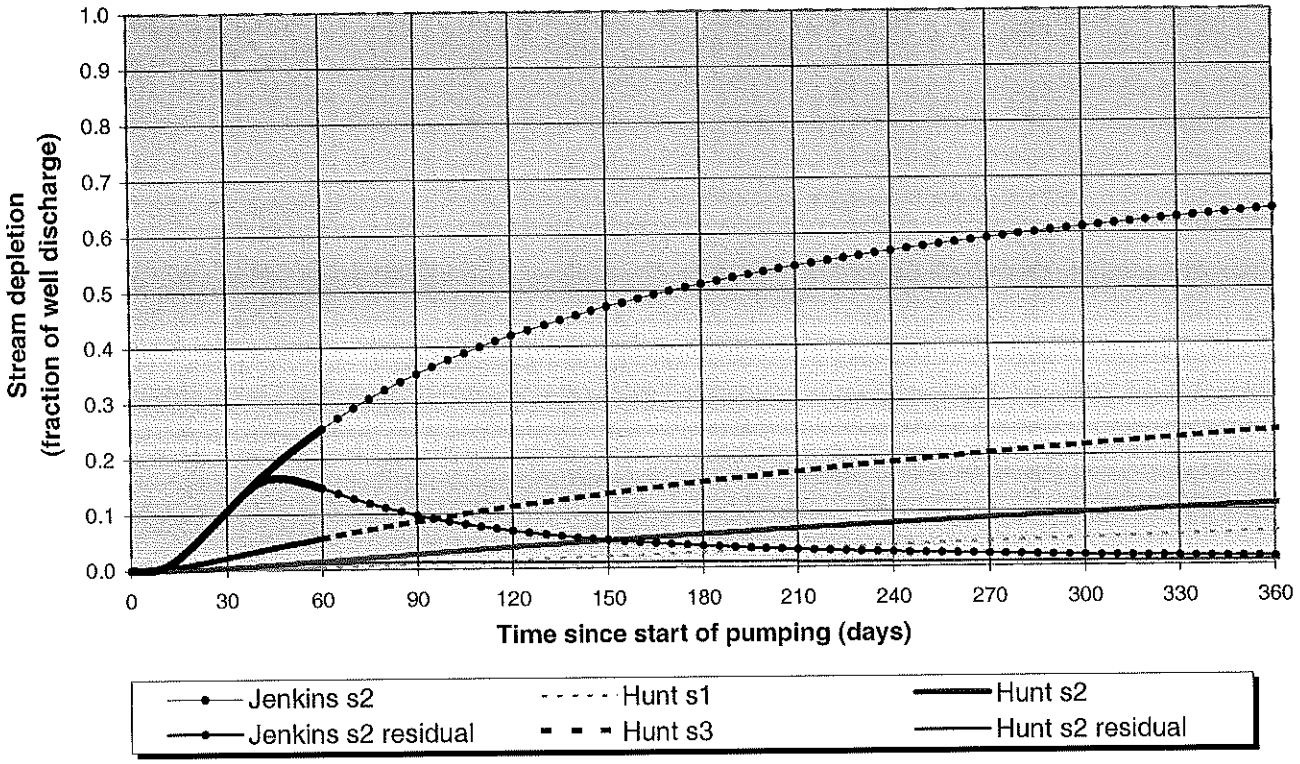
Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 30 days

Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.0124	0.0183	0.0161	0.0142	0.0126	0.0114	0.0105	0.0097	0.0090	0.0085	0.0080	0.0075
Qw, cfs	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340
H SD s2, cfs	0.042	0.061	0.054	0.047	0.042	0.038	0.035	0.032	0.030	0.028	0.027	0.025

Parameters:		**Scenario 1**	**Scenario 2**	**Scenario 3**	**Units**
Net steady pumping rate	Qw	3.34	3.34	3.34	cfs
Distance to stream	a	3000	3000	3000	ft
Aquifer hydraulic conductivity	K	50	100	200	ft/day
Aquifer thickness	b	260	260	260	ft
Aquifer transmissivity	T	13000	26000	52000	ft*ft/day
Aquifer storage coefficient	S	0.2	0.2	0.2	
Stream width	ws	5	5	5	ft
Streambed hydraulic conductivity	Ks	0.5	1	3	ft/day
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc	0.833333333	1.666666667	5	ft/day
Stream depletion factor (Jenkins)	sdf	138.4615385	69.23076923	34.61538462	days
Streambed factor (Hunt)	sbf	0.192307692	0.192307692	0.288461538	

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

G-16039, well #2, sw #7



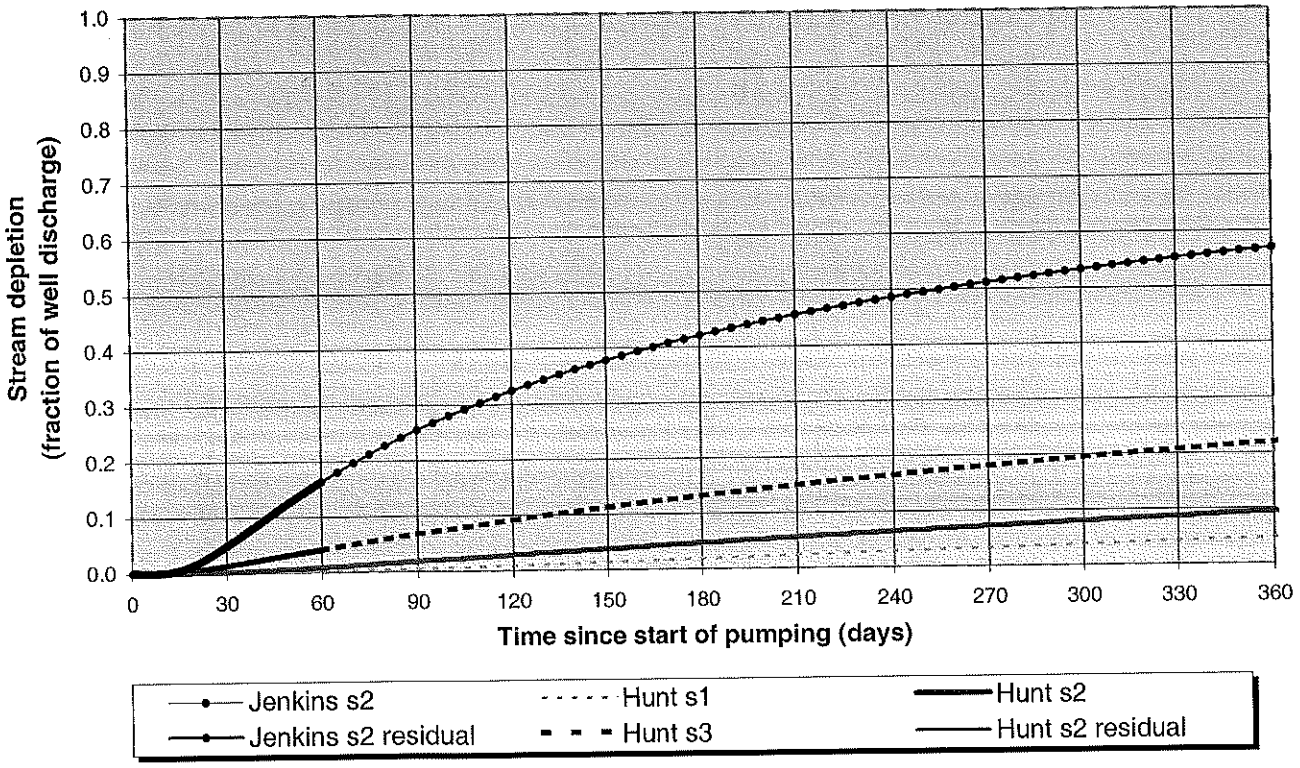
Output for Hunt Stream Depletion, Scenerio 2 (s2): **Time pump on = 30 days**

Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.0039	0.0113	0.0122	0.0117	0.0110	0.0103	0.0096	0.0090	0.0085	0.0081	0.0077	0.0073
Qw, cfs	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340
H SD s2, cfs	0.013	0.038	0.041	0.039	0.037	0.034	0.032	0.030	0.028	0.027	0.026	0.024

Parameters:		**Scenario 1**	**Scenario 2**	**Scenario 3**	**Units**
Net steady pumping rate	Qw	3.34	3.34	3.34	cfs
Distance to stream	a	4500	4500	4500	ft
Aquifer hydraulic conductivity	K	50	100	200	ft/day
Aquifer thickness	b	260	260	260	ft
Aquifer transmissivity	T	13000	26000	52000	ft*ft/day
Aquifer storage coefficient	S	0.2	0.2	0.2	
Stream width	ws	5	5	5	ft
Streambed hydraulic conductivity	Ks	0.5	1	3	ft/day
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc	0.833333333	1.666666667	5	ft/day
Stream depletion factor (Jenkins)	sdf	311.5384615	155.7692308	77.88461538	days
Streambed factor (Hunt)	sbf	0.288461538	0.288461538	0.432692308	

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

G-16039, well #2, sw #8



Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 360 days

Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.0016	0.0090	0.0185	0.0284	0.0380	0.0473	0.0561	0.0646	0.0726	0.0803	0.0876	0.0946
Qw, cfs	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340	3.340
H SD s2, cfs	0.005	0.030	0.062	0.095	0.127	0.158	0.188	0.216	0.242	0.268	0.292	0.316

Parameters:		**Scenario 1**	**Scenario 2**	**Scenario 3**	**Units**
Net steady pumping rate	Qw	3.34	3.34	3.34	cfs
Distance to stream	a	5500	5500	5500	ft
Aquifer hydraulic conductivity	K	50	100	200	ft/day
Aquifer thickness	b	260	260	260	ft
Aquifer transmissivity	T	13000	26000	52000	ft*ft/day
Aquifer storage coefficient	S	0.2	0.2	0.2	
Stream width	ws	5	5	5	ft
Streambed hydraulic conductivity	Ks	0.5	1	3	ft/day
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc	0.833333333	1.666666667	5	ft/day
Stream depletion factor (Jenkins)	sdf	465.3846154	232.6923077	116.3461538	days
Streambed factor (Hunt)	sbf	0.352564103	0.352564103	0.528846154	

State of Oregon
Water Resources Department
158 12th Street NE, Salem, OR 97310
(503)378-8455 • (800)624-3199
www.wrd.state.or.us

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

A. Individuals

Applicant: _____ (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: Bailey Nurseries, Inc.-Sauvie Island Division

Name and title of person applying: MR. Shirlen R. Wilson, Production Manager

Mailing address of organization: 18616 NW Reeder Road

Portland (City) OR (State) 97231 (Zip)

CELL (503) 936-2374

Phone: 503-621-9710 (Day) _____ (Evening)

*Fax: 503-621-3304 *E-Mail address: _____

**Optional information*

For Department Use		
App. No. G-16039	Permit No. _____	Date _____

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.

List the names and mailing addresses of all affected landowners.*

Note: Easement for pipeline under Gillihan Loop Road was obtained from the County Road Department.

**If more than 25 landowners are involved, a list is not required. See instructions.*

3. GROUND WATER DEVELOPMENT

A. Number of well(s): 2 **B.** Name of nearest surface water body: Drainage Ditch

C. Distance from well(s) to nearest stream or lake: 1) 20'

2) 100' 3) _____ 4) _____

D. If distance from surface water is less than one mile, indicate elevation difference between nearest surface water and well head. 1) 5'

2) 5' 3) _____ 4) _____

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: Driller not contracted yet.

Address: _____

Completion date: As soon as permit is issued.

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
1	14"	12" Steel	275	50'	50'	16	200	Port	275
2	14"	12" Steel	275	50'	50'	16	200	Port	275
			* *	ESTIMATED VALUES			* *		

F. Artesian Flows

If your water well is flowing artesian, describe your water control and conservation works:

Not Expected

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**

Irrigation and Agricultural Use For Nursery Crops, Agricultural Use for Nursery Plant Processing.

app no G-16039

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 aquifier, 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	Alluvial	Irrigation/Agricul.	1500		1500+
				1500 AF	
2	Alluvial	Irrigation/Agricul.	1500		1500+
2	Alluvial	Agricul/Processing	60	5AF	

C. Maximum Rate of Use Requested

What is the maximum, instantaneous rate of water that will be used? 3000 gpm (6.68 cfs)

(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: Irrigation - March 1 - October 31
Agricultural - All Year

(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: 823.4

(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) (2) 125 hp Electric Line Shaft Turbine

☐ 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)

Diameter 14" - 6" Length (mainline) 15,500'

☐ Other (describe) _____

C. Application/Distribution Method

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

Irrigation or land application method (check all that apply):

- ☐ Flood
- ☒ High-pressure sprinkler
- ☒ Low pressure sprinkler
- ☒ Drip
- ☐ Water cannons
- ☐ Center pivot system
- ☐ Hand lines
- ☐ Wheel lines
- ☐ Siphon tubes or gated pipe with furrows
- ☐ Other, describe_____

Distribution method

- ☒ Direct pipe from source
- ☒ In-line storage (tank or pond)
- ☐ Open canal

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.

Sprinkler irrigation needed for temperature and humidity control.

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 Wells will be drilled as soon as permitted. Part of pipeline system installed.

Proposed date construction will be completed 2009 for complete irrigation of all crops.

Proposed date beneficial water use will begin Permit date plus 30 days.

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.

Enclosures: 1. Legal Description
2. Geologists report for ground water study.
3. Pipeline/Road Easement

app no G-16039

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:

Shirlen R Wilson FOR

Signature of Applicant

6-25-03

Date

Shirlen R. Wilson, Production Manager

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.

Bailey Nurseries
Sauvie Island Div.
June 2003

Oregon Water Resources Department

FORM I

FOR IRRIGATION WATER USE

1. Please indicate whether you are requesting a primary or supplemental irrigation water right.

☐ Primary ☐ Supplemental

If supplemental, please indicate the number of acres that will be irrigated for each type of use.

Primary: 823.4 Acres

Secondary: _____ Acres

List the permit or certificate number of the primary water right: No. _____

2. Please list the anticipated crops you will grow and whether you will be irrigating them for a full or partial season:

1. Nursery Crops ☒ Full season ☐ Partial season (from:_____ to _____)
2. _____ ☐ Full season ☐ Partial season (from:_____ to _____)
3. _____ ☐ Full season ☐ Partial season (from:_____ to _____)
4. _____ ☐ Full season ☐ Partial season (from:_____ to _____)

3. Indicate the maximum total number of acre-feet you expect to use in an irrigation season:

1500 acre-feet

(1 acre-foot equals 12 inches of water spread over 1 acre, or 43,560 cubic feet, or 325,851 gallons.)

4. How will you schedule your applications of water? Will you be applying water in the evenings, twice a week, daily?

☐ Daily during daytime hours
☐ Daily during nighttime hours
☐ Two or three times weekly during daytime
☐ Two or three times weekly during nighttime
☒ Weekly, during daytime hours
☐ Weekly, during nighttime hours
☐ Other, explain: _____

Last revision: October 31, 1994

app no G-16039

Oregon Water Resources Department

State of Oregon
Water Resources Department
725 Summer Street NE, Suite A, Salem, OR. 97301-1271
Phone: 503-986-0900
http://www.wrd.state.or.us

FAX TRANSMITTAL

To: Mike McCord **Fax Number:** WR #20

Date: 4/9/04 **Pages:** 9, **including cover sheet**

From: Jerry Gadwey **Phone: 503-986-0**812

Comments:

Mike - Please complete the water availability report for this application. No WAB number.

thanks

Jerry

DIRECTOR'S OFFICE
- Water Resources Commission
- Legislation and Rules
- Public Information

FIELD SERVICES
- Regional Liaisons
- Transfers
- Hydrographics

NORTHWEST REGION
- District 16 Watermaster

ADMINISTRATIVE SERVICES
- Fiscal / Accounting
- Human Resources / Personnel
- Water Development Loan Fund
- Support Services

Fax: 503-986-0903 or 503-986-0904

TECHNICAL SERVICES
- Dam Safety
- Enforcement
- Ground Water
- Information Services
- GIS/Mapping
- Water Use Reporting

Fax: 503-986-0902

WATER RIGHTS
- Water Rights Information
- Adjudications
- Hydroelectric
- Certificates / Final Proofs
- Hearings / Contested Cases

Fax: 503-986-0901

This page to be completed by the local Watermaster.

SURFACE WATER AVAILABILITY REPORT

Name of Applicant Mr. Shirlen Wilson for Bailey Nurseries Inc. Application Number G-16039

1. To your knowledge, has the stream or basin that is the source for this application ever been regulated for prior rights?

   Yes _____ No _____

   If yes, please explain.

2. Has the stream or basin that is the source for this application ever been regulated for instream water rights?

   Yes _____ No _____

   If yes, please explain.

3. Do you observe this stream system during regular field work?

   Yes _____ No _____

   If yes, what are your observations for the stream?

4. Based on your observations, would there be water available in the quantity and at times needed to supply the development proposed by this application?

   Yes _____ No _____ Don't know _____

   What would you recommend for conditions on a permit that may be issued approving this application?

5. What other recommendations, if any, would you like to make?

Signature _____ WM District # _____ Date _____

VERBOORT ENGINEERING
Agriculture • Civil • Water Resources
HILLSBORO, OREGON
(503) 648-6180

JOB BAILEY NURSERIES / SAUVIES IS.
SHEET NO. 1 OF
CALCULATED BY R. VERBOORT DATE 6-18-03
CHECKED BY DATE
SCALE

40	OLD	NEW	TOTAL
	SECTION 10		
SE NW	20.2	–	20.2
SW NE	14.8	–	14.8
NW SW	0.6	–	0.6
NE SW	40.0	–	40.0
NW SE	31.2	–	31.2
SW SW	21.3	–	21.3
SE SW	40.0	–	40.0
SW SE	23.4	16.6	40.0
SE SE	–	40.0	40.0
	191.5	56.6	248.1 ✓
	SECTION 11		
SW SW	–	32.0	32.0
	SECTION 15		
NW NW	13.0	–	13.0
NE NW	39.9	–	39.9
NW NE	34.3	5.7	40.0
NE NE	0.9	39.1	40
SE NW	22.3	–	22.3
SW NE	40.0	–	40.0
SE NE	11.4	28.6	40.0
NE SW	19.9	–	19.9
NW SE	17.0	–	17.0
NE SE	0.1	26.9	27.0
SE SW	0.8		0.8
SE SE	–	2.4	2.4
	199.6	102.7	302.3 ✓

7-23-03 Section 15 acreage is not included in the applicants totals. sub-data

40	OLD	NEW	TOTAL
	SECTION 14		
NW NW	–	39.4	
SW NW	–	40.0	
NW SW	–	40.0	
NE SW	–	2.4	
SW SW	–	36.4	
SE SW	–	31.0	
SW SE	–	18.6	
			207.8 ✓
	SECTION 23		
NW NW	–	10.8	
NE NW	–	39.4	
NW NE	–	9.0	
SE NW	–	6.0	
			65.2 ✓
	191.5	56.6	248.1
	199.6	102.7	302.3
		207.8	207.8
		65.2	65.2
S	391.1	432.3	823.4 ✓

6.68
5%

ODWR – CHECK SHEET I USED – FYI

DICK

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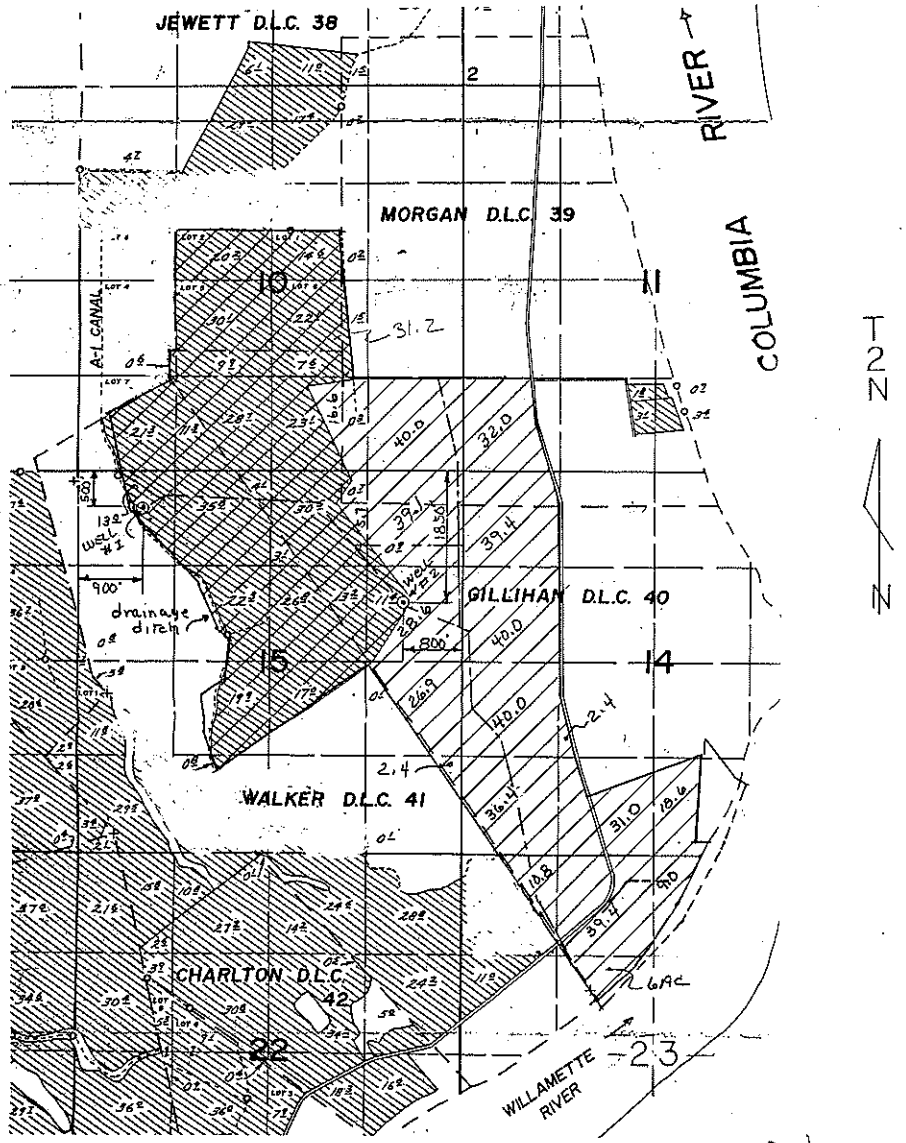
JUN 26 2003
WATER RESOURCES DEPT
SALEM, OREGON

app no G-16039

RIW



2nd check

THIS APPLICATION

CERTIFICATE 49880 (TYPICAL)

Scale: 1"= 1320'

MAP BASE: ODWR Cert Map for 49880

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SALEM, OREGON

VERBOORT ENGINEERING
AGRICULTURE • CIVIL • WATER RESOURCES
HILLSBORO, OREGON

	by	date
designed	RV	6-18-03
drawn	RV	6-18-03
checked		
drawing no.	03-8-11	
sheet no.	1 / 1	

GROUNDWATER APPLICATION

BAILEY NURSERIES, INC.
SAUVIE ISLAND DIVISION
18616 N. W. REEDER ROAD
PORTLAND, OR 97231

Oregon Water Resources Department
Land Use Information Form

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JUN 2 6 2003
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: Bailey Nurseries, Inc., Sauvie Island Division

Address: 18616 NW Reeder Road

City: Portland State: OR Zip: 97231 Day Phone: 503-621-9710

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)*		
Map Attached	EFU	☒ Diverted	☒ Conveyed	☒ Used
		☐ Diverted	☐ Conveyed	☐ Used
		☐ Diverted	☐ Conveyed	☐ Used

List counties and cities where water is proposed to be diverted, conveyed, or used. Multnomah

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): Irrigation and Agricultural Use

Briefly describe: Irrigation and Agricultural use related to growing and harvesting nursery crops.

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:

3000 ☐ CFS ☒ GPM ☐ Acre-Feet

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): 34, 2620(A) . 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:	
		☐ Obtained ☐ Denied	☐ Being pursued ☐ Not being pursued
		☐ Obtained ☐ Denied	☐ Being pursued ☐ Not being pursued
		☐ Obtained ☐ Denied	☐ Being pursued ☐ Not being pursued
		☐ Obtained ☐ Denied	☐ Being pursued ☐ 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: Lisa Estrin Date: 6/23/03

Title: Planner Phone: (503) 988-3043

Signature: Lisa Estrin Gleason

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.

MULTNOMAH COUNTY
Land Use Planning Division
1600 SE 190th Ave.
Portland, Oregon 97233

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JUN 26 2003
WATER RESOURCES DEPT.
SALEM, OREGON

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.)*

September 25, 2002

TO: VERBOORT ENGINEERING
666 SE 36th Street
Hillsboro, OR 97123

SUBJECT: Ground Water Analysis
Bailey Nurseries Inc
SAUVIE ISLAND, WHEELER FARM

In response to your request a ground water analysis is provided for the Sauvie Island WHEELER FARM property (shown on Drawing BNW-1) and local vicinity. This report was developed from existing local well records and my knowledge of the Island hydrogeology and general geology. Twelve well records from the property and vicinity are included as Enclosure BNW-1 and are tabulated on Table BNW-1. The approximate locations are shown on Drawing BNW-2 as is the property boundary and adjacent areas. It must be noted that the well locations shown are based on well driller records and are at best only accurate to the nearest 1/16 of a Section .

The well conditions fall into two general categories based on eastside of the property (Columbia River) and westside (Gilbert River) conditions. Wells on the Columbia River side generally have to go deeper to encounter the aquifer gravels (175-220 feet). The high production well in this area is Pacific Coast Nursery well # 1644 at 1,040 gpm determined by pump test. This well has 30 feet of Johnson well screen installed in the sand and gravel section. Most of the other wells along the east side were tested by bailer and were developed for domestic use so do not really test the aquifer. No well penetrates the bottom of the gravel section so we do not know the total aquifer potential.

Wells on the Gilbert River side are only three and are not on or immediately adjacent to the BN Wheeler Farm. These wells encounter the gravel section in the 100 foot depth range and only one, the Joe Caruso well # 1650, is a high production well at 600 gpm by pump test. The well penetrated 30 feet of aquifer gravels and also did not penetrate the bottom of the gravel section. No screen is indicated and the well is cased with 8 only inch casing. I suggest that the well production is very likely hardware limited.

From my work on the Island I have found that the gravel aquifer rises to the surface in the central part of the Island (Oak Island area, Drawing Figure 1 and 5). Wells in the west central area of the Island penetrate the gravel aquifer at 45 to 60 feet and also have not been penetrated. It is my judgment that the Oak Ridge immediately west of the BN Wheeler Farm may be similar these shallower gravel areas, this being reflected by the westside well logs. The interesting fact is that when gravels are encountered no wells have totally penetrated the gravel aquifer section. One well in the central Island has penetrated 120 feet of gravel without going out of the section.

appno G-16035

Most of the area wells have static water levels in the 9 to 16 foot range. This indicates that the gravel aquifer is connected to the Columbia River, Willamette River, Multnomah Channel river system and as such wells pumping from the gravels will be considered to be hydraulically connected to the adjacent river system.

Based on the above information it is my opinion that good ground water supplies are available on the BN Wheeler Farm. The Pacific Coast Nursery well # 1644 on the eastside is the most promising proven source immediately adjacent to the property. The westside wells are more removed however the aquifer gravels may be closer to the surface here and have more total thickness. This assumption is however untested. In either case the type and thickness of gravels indicate that a properly drilled and developed well penetrating 50 to 75 feet of gravel could be expected to produce in excess of 1500 gallons per minute.

SUBMITTED,

PETER V. PATTERSON
Registered Professional Geologist, CEG

1934 SW Terrace Drive
Portland, Oregon 97201
(503) 228-4053

Enclosure (1)
Table (1)
Drawings (3)

CERTIFIED OREGON PETER V. PATTERSON EO 27 ENGINEERING GEOLOGIST

VERBOORT ENGINEERING
666 SE 36TH AVENUE
HILLSBORO, OREGON 97123
(503) 648-6180

PREPARATION OF THIS MAP IS FOR THE PURPOSE OF IDENTIFYING THE LOCATION OF THE WATER RIGHT ONLY. THERE IS NO INTENT TO PROVIDE DIMENSIONS OR LOCATION OF PROPERTY OWNERSHIP LINES.

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SALEM, OREGON

Wheeler Property
11/15/2001
Chris Wright

N
W E
S

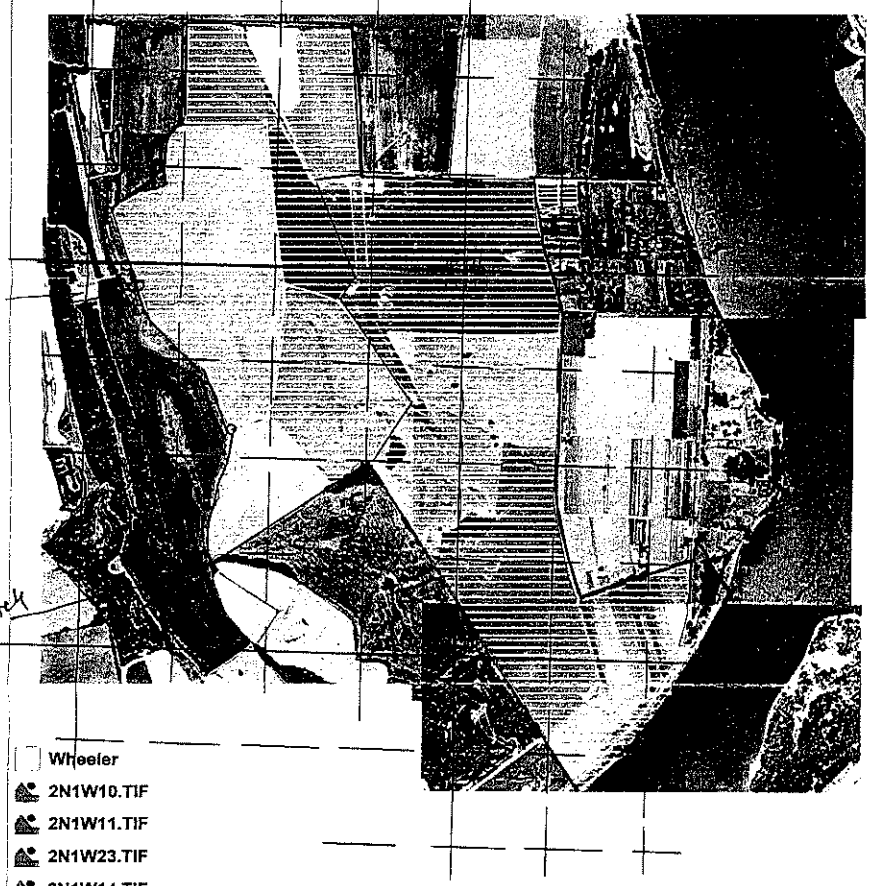
R1W

1" = 1320'

T 2 N

New POD

ditch

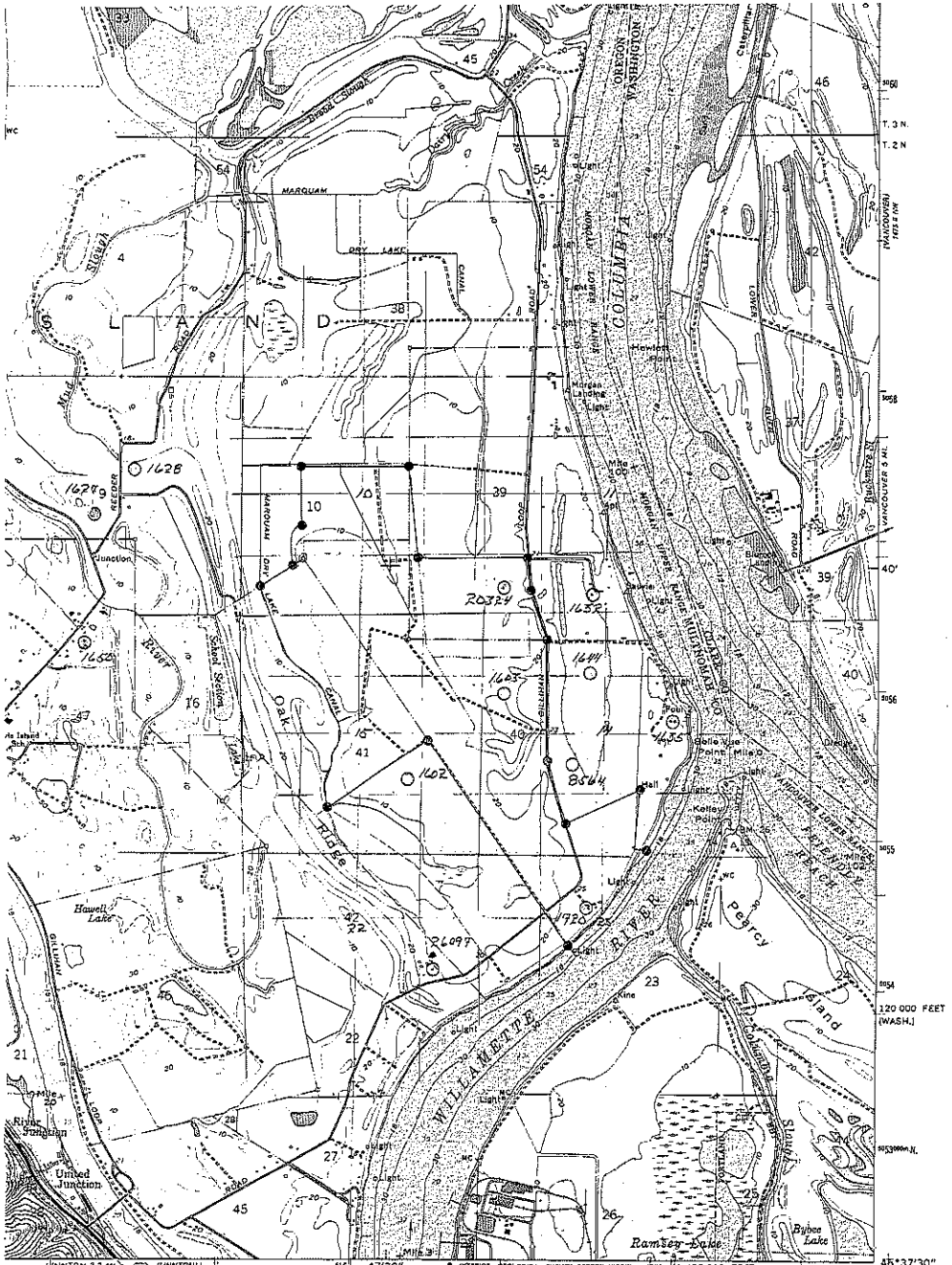


Wheeler
2N1W10.TIF
2N1W11.TIF
2N1W23.TIF
2N1W14.TIF
2N1W15.TIF

SPC, NAD 83, 3601

4000 0 4000 Feet

Drawing 2NW-1



SCALE 1:24000

1 MILE
0 1000 2000 3000 4000 5000 6000 7000 FEET
5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
CURVES AND SOUNDINGS IN FEET – COLUMBIA RIVER DATUM
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
THE MEAN RANGE OF TIDE IS APPROXIMATELY 2 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

OREGON
QUADRANGLE LOCATION

Map photoinspected 1975
No major culture or drainage changes observed

Revisions shown in purple compiled from aerial photographs taken 1970. This information not field checked

ROAD CLASSIFICATION

Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt - - - - -
U.S. Route

SAUVIE ISLAND, OREG.–WASH.

NE/4 HILLSBORO 15' QUADRANGLE
N4537.5 – W12245/7.5
PHOTOINSPECTED 1975
1961
PHOTOREVISED 1970
DMA 1475 III NE–SERIES V892

Drawing B/W-2

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

MULT 032

AUG 15 1990
WATER RESOURCES DEPT. SALEM, OREGON

2N/1W/11CC

(START CARD) # W-20324

(1) OWNER: Well Number: 19-90
Name Sauvie Island Nursery, Inc./Holmason
Address 19708 N. W. Gillihan Road
City Portland State OR Zip 97231-1500

(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 232 ft.
Explosives used Yes ☐ No ☒ Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
12"	0	20	Bentonite	0	20	950#
8"	20	232				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☒ Other Bentonite
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:	8"	+2	226	.25	☐	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	6"	221	227	.25	☒	☐	☒	☐
					☐	☐	☐	☐

Final location of shoe(s) 226 feet

(7) PERFORATIONS/SCREENS:
☐ Perforations Method ____
☒ Screens Type Tele Material [illegible]

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
227	232	50			6"	☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

Yield gal/min	Drawdown	Drill stem at	Time
[illegible]	[illegible]		1 hr.

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 by legal description:
County Multnomah Latitude ____ Longitude ____
Township 2-N N or S, Range 1-W E or W, WM.
Section 11 SW ¼ SW ¼
Tax Lot ____ Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) ____

(10) STATIC WATER LEVEL:
16 ft. below land surface. Date 7/12/90
Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:
Depth at which water was first found 201 feet

From	To	Estimated Flow Rate	SWL
201	226	120	16
226	233	120	16

(12) WELL LOG: Ground elevation ____

Material	From	To	SWL
Clay, silty, brown	0	17	
Silt, gray	17	38	
Sand, fine, gray	38	201	
[illegible]	201	226	16
Gravel, coarse	226	232	16

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JUN 26 2003
WATER RESOURCES DEPT
SALEM, OREGON

Date started [illegible] Completed [illegible]

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, 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.
Steinman Bros Drilling Co 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 well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1
Signed [signature] Date ____

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

Enclosure BNW-1

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

Mult 578

2N/1W/22bc

FEB - 3 1992

WATER RESOURCES DEPT

(START CARD) # W-26097

(1) OWNER:

Well Number:

Name Robert & Mary Schick

Address 16205 NW. Gillihan Rd.

City Portland State Oregon Zip 97231

(2) TYPE OF WORK:

XX New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☐ Rotary Air ☐ Rotary Mud ☒ Cable

☐ Other

(4) PROPOSED USE:

XX Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No XX Depth of Completed Well 205 ft.

Explosives used Yes ☐ No XX Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10	0	20	Cement	0	20	8 sks.
6	0	205				

How was seal placed: Method ☐ A ☐ B XX 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	+1'6"	200	250	XX	☐	☒	☐
	Packer	197	200		☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method

☒ Screens Type Johnson Material Stainless steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
200	205	16			6 tele	☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☐ Pump XX Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
20	51		1 hr.

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 by legal description:

County Multnomah Latitude Longitude

Township 2 N N or S. Range 1 W E or W. WM.

Section 22 SW ¼ NW ¼

Tax Lot Lot Block Subdivision

Street Address of Well (or nearest address)

16205 NW Gillihan Rd.

(10) STATIC WATER LEVEL:

9 ft. below land surface. Date 12-2-91

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 186

From	To	Estimated Flow Rate	SWL
186	205	20	9

(12) WELL LOG:

Ground elevation

Material	From	To	SWL
Dark Brown top soil	0	5	
Brown sandy clay	5	19	
Grey silt sand	19	90	
Grey clay silt	90	97	
Grey mucky sand silt	97	186	
Grey sand gravel (water)	186	205	9
Grey sand (water)	205		9
Hardness 6			
Iron .2			
PH. 7.3			

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JUN 26 2003

WATER RESOURCES DEPT

SALEM, OREGON

Date started 11-25-91 Completed 12-2-91

(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.

WWC Number 1321

Signed Terry Johnson Date 12-5-91

(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. Bonded 1293 WWC Number 841

Signed Jim Hansen Date 12-5-91

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

ORIGINAL
File Original, and Duplicate with the STATE ENGINEER, SALEM, OREGON

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DEC 12 1956
STATE ENGINEER
SALEM, OREGON

WATER WELL DRILLERS REPORT
STATE OF OREGON

Do Not Fill In — State Well No. 2N/1W-15
State Permit No. MULT 001602

(1) OWNER:
me F.A. Shields
ddress Rt. 1 Box 150
Portland, Oregon

(2) LOCATION OF WELL:
TL-#3
County Multnomah Owner's number, if any Tract #76
R. F. D. or Street No. Rt 1 - Box 150
Bearing and distance from section or subdivision corner
Section 15 - 2N 1W

(3) TYPE OF WORK (check):
New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:
Threaded ☐ Welded ☒

FROM	ft. to	ft. Diam.	Gage or Wall
0	155	6"	.280

Type and size of shoe or well ring Steel
Describe joint

If gravel packed

Diameter of Bore	from ft.	to ft.

Size of gravel:

(7) PERFORATIONS:
Type of perforator used
SIZE of perforations in., length, by in.
perf per foot
No. of rows

FROM	ft. to	ft.

SCREENS:
Give Manufacturer's Name, Model No. and Size

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☐ Yes ☒ No To what depth ft.
Were any strata sealed against pollution? ☒ Yes ☐ No
If yes, note depth of strata Surface water

FROM	ft. to	ft.

METHOD OF SEALING Driving casing

(9) WATER LEVELS:
Depth at which water was first found 115 ft.
Standing level before perforating 14 ft.
Standing level after perforating 14 ft.

Log Accepted by:
[Signed] ..... Dated ....., 19.....
Owner

(10) WELL TESTS:
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
" " " " "
" " " " "
Artesian flow ..... g.p.m.
Shut-in pressure ..... lbs. per square inch.
Bailer test 40 g.p.m. with 0 ft. drawdown
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:
Diameter of well, 6 inches.
Total depth 155 ft. Depth of completed well 155 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

0	ft. to	10	ft. Top soil and clay
10	"	20	" Sandy soil
20	"	115	" Silty sand
115	"	155	" Gravel, water-bearing

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WATER RESOURCES DEPT.
SALEM, OREGON

Ground elevation at well site ..... feet above mean sea level.
Work started 11-21-56 19 , Completed 12-4-56 19

Well Driller's Statement:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME A.M. Jannsen Drilling Co.
(Person, firm, or corporation) (Typed or printed)
Address 21075 S.W. Tualatin Valley Highway Aloha, Oregon
Driller's well number
[Signed] Edward M. Jannsen
(Well Driller)
License No. 79 Dated 12-4-56, 19.....

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NOV 7 1960
STATE ENGINEER

MULT
501603

2N/1W - 14

File Original and First Copy with the STATE ENGINEER, SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON

State Well No. .....

State Permit No. .....

(1) OWNER:
Name Merchants Exchange of Portland
Address 300 Lewis Bldg., Portland, Ore.

(2) LOCATION OF WELL:
County Multnomah Owner's number, if any—
N. E. ¼ ¼ Section 40 T. 2N R. 1W W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED:
Threaded ☐ Welded ☒
06 " Diam. from 0 ft. to 249 ft. Gage .....
..... " Diam. from ..... ft. to ..... ft. Gage .....
..... " Diam. from ..... ft. to ..... ft. Gage .....

(7) 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.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

(8) SCREENS:
Well screen installed ☐ Yes ☒ No
Manufacturer's Name .....
Type ..... Model No. .....
..... Slot size ..... Set from ..... ft. to ..... ft.
..... Slot size ..... Set from ..... ft. to ..... ft.

(9) CONSTRUCTION:
Was well gravel packed? ☐ Yes ☒ No Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.
Was a surface seal provided? ☐ Yes ☒ No To what depth? ..... ft.
Material used in seal—
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 19 ft. below land surface Date 10/18/60
Artesian pressure lbs. per square inch Date

Log Accepted by:

[Signed] ..... Date ....., 19.....
(Owner)

(11) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

(12) WELL LOG:
Diameter of well 6 inches.
Depth drilled 249 ft. Depth of completed well 247 ft.

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Hard dry sand & blue silt	0	40
Blue silt & sand	40	100
Gray sand - little gravel	100	135
Gray sand & gravel	135	147
Gray sand	147	204
Gray sand & gravel	204	242
Cobles	242	247

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WATER RESOURCES DEPT
SALEM, OREGON

Work started 10/4 19 60 Completed 10/18 19 60

(13) PUMP:
Manufacturer's Name .....
Type: ..... H.P. .....

Well Driller's Statement:

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

NAME A. M. JANNSEN DRILLING CO.
(Person, firm, or corporation) (Type or print)
Address 21075 S. W. Tualatin Hwy., Aloha, Ore.

Driller's well number .....

[Signed] .....
(Well Driller)

License No. 79 Date 11/2 19 60

(USE ADDITIONAL SHEETS IF NECESSARY)

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) JAN 24 1978

(Do not write above this line) WATER RESOURCES DEPT. SALEM, OREGON

RECEIVED

State Well No. 2N/1W-9ca

State Permit No MULT 001627

(1) OWNER:
Name CORBETT DEVELOPMENT CORP.
Address 12035 SW PACIFIC HWY
TIGARD OREGON

(2) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary [X] Driven [ ]
Cable [ ] Jetted [ ]
Dug [ ] Bored [ ]

(4) PROPOSED USE (check):
Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

CASING INSTALLED: Threaded [ ] Welded [X]
12" Diam. from 0 ft. to 112 ft. Gage .250"
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS: Perforated? [ ] Yes [X] 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 [X] 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 [X] No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " "
" " "
Bailer test 30 gal./min. with 5 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water 56° Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used BENTONITE-CEMENT
Well sealed from land surface to 26 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 2 sacks
Number of sacks of bentonite used in well seal 2 sacks
Brand name of bentonite NATIONAL
Number of pounds of bentonite per 100 gallons of water 200 lbs./100 gals.
Was a drive shoe used? [X] Yes [ ] No Plugs Size: location ft.
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County MULTNOMAH Driller's well number 505
NE ¼ SW ¼ Section 9 T. 2N R. 1W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 110 ft.
Static level 12 ft. below land surface. Date 1/21/78
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing
Depth drilled 112 ft. Depth of completed well 112 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
TOP SOIL	0	2	
BROWN CLAY	2	10	
SANDY BROWN CLAY	10	22	
SANDY BLUE CLAY	22	49	
BLUE SILT AND SAND	49	102	
CEMENTED GRAVEL	102	109	
COARSE SAND AND GRAVEL	109	112	12

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WATER RESOURCES DEPT.
SALEM, OREGON

Work started 1/14 1978 Completed 1/21 1978
Date well drilling machine moved off of well 1/21 1978

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] C.D. Keller (Drilling Machine Operator) Date 1/21, 1978
Drilling Machine Operator's License No. 362

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 KELLER WELL DRILLING CO. (Person, firm or corporation) (Type or print)
Address 6350 SE BROWNLEE, MILWAUKIE
[Signed] C.D. Keller (Water Well Contractor)
Contractor's License No. 462 Date 1/21, 1978

(USE ADDITIONAL SHEETS IF NECESSARY) DMO #329

SP*45656-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM 10, OREGON within 30 days from the date of well completion.

JUN 2 8 1964
STATE ENGINEER

MULT 001628

WATER WELL REPORT
STATE OF OREGON
(Please type or print)

State Well No. 2N/1W-9H
State Permit No.

(1) OWNER:
Name Thomas G. Churchill
Address Box 96 Route 1
Portland Oregon

(2) LOCATION OF WELL:
County Multnomah Driller's well number 150
SE ¼ NE ¼ Section 9 T. 2N R. 1W W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):
Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(5) TYPE OF WELL:
Rotary [ ] Driven [ ]
Cable [X] Jetted [ ]
Dug [ ] Bored [ ]

(6) CASING INSTALLED:
Threaded [ ] Welded [X]
6" Diam. from 0 ft. to 98 ft. Gage .250"
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:
Perforated? [ ] Yes [X] 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.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:
Well screen installed? [ ] Yes [X] No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Well seal—Material used in seal cement
Depth of seal 20 ft. Was a packer used? no
Diameter of well bore to bottom of seal 10 in.
Were any loose strata cemented off? [ ] Yes [X] No Depth
Was a drive shoe used? [X] Yes [ ] No
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 42 ft. below land surface Date 3/31/64
Artesian pressure lbs. per square inch Date

(11) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? [X] Yes [ ] No If yes, by whom? driller
Yield: 20 gal./min. with 5 ft. drawdown after 3 hrs.
" " " "
" " " "
Baller test 30 gal./min. with 10 ft. drawdown after 1 hrs.
Artesian flow g.p.m. Date
Temperature of water 58 Was a chemical analysis made? [ ] Yes [X] No

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 98 ft. Depth of completed well 98 ft.

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
brown sandy clay	0	58
black sand	58	94
fine gravel	94	98

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JUN 26 2003
WATER RESOURCES DEPT.
SALEM, OREGON

Work started 3/24 19 64 Completed 3/31 19 64
Date well drilling machine moved off of well 3/31 19 64

(13) PUMP:
Manufacturer's Name Fairway
Type: submersible H.P. 1½

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 American Well Drilling Co.
(Person, firm or corporation) (Type or print)
Address 143 S.E. 95th, Portland, Oregon
Drilling Machine Operator's License No. 329
[Signed] (Water Well Contractor)
Contractor's License No. 375 Date 6/25/64, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

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

MULT 001632

State Well No. 2N/1W-11
State Permit No.

(1) OWNER:
Name ANDREW KARAMANOS
Address P.O. Box 1220, PORTLAND, ORE, 97201

(2) TYPE OF WORK (check):
New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☑ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☑
6" Diam. from +1 ft. to 225 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?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Air Bailer test 75 gal./min. with 198 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement + 5% Bentonite
Well sealed from land surface to 18 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 15 sacks
How was cement grout placed? pumped
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 Multnomah Driller's well number
¼ ¼ Section 11 T. 2N R. 1W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 30 ft.
Static level 12 ft. below land surface. Date 12-29-79
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6
Depth drilled 230 ft. Depth of completed well 230 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
Top Soil	0	2	
BRN Sandy Clay	2	21	
BRN Sand	21	119	
Blue Sand Course	119	178	
Blue/Grey Clay	178	191	
Blue Sand, Course	191	218	
Sand + Gravel	218	230	

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JAN 8 1980
WATER RESOURCES DEPT
SALEM, OREGON

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JUN 2 6 2003
WATER RESOURCES DEPT.
SALEM, OREGON

Work started 12-26 1979 Completed 12-29 1979
Date well drilling machine moved off of well 12-29 1979

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] Don Feahen (Drilling Machine Operator) Date 1-7, 1980
Drilling Machine Operator's License No. 1217

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 TURNER DRILLING Co (Person, firm or corporation) (Type or print)
Address RT 1 Box 522, PORTLAND ORE
[Signed] Don Feahen (Water Well Contractor)
Contractor's License No. 715 Date 1-7, 1980

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

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.

RECEIVED
FEB 25 1974
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON

(Please type or print) (Do not write above this line)

State Well No. 2N/1W-13

State Permit No. MULT 001635

1) OWNER:

Name Frank Hatcher

Address Route 1, Box 470
Portland, Oregon 97231

(2) TYPE OF WORK (check):

New Well ☐ Deepening ☒ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

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

CASING INSTALLED:

Threaded ☐ Welded ☒

6 " Diam. from 222 ft. to 246½ ft. Gage .250

" Diam. from ft. to ft. Gage

" Diam. from ft. to ft. Gage

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?

Yield: gal./min. with ft. drawdown after hrs.

" " " "

" " " "

Bailer test 24 gal./min. with 3 ft. drawdown after 2 hrs.

Artesian flow g.p.m.

Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used X

Well sealed from land surface to X ft.

Diameter of well bore to bottom of seal X in.

Diameter of well bore below seal X in.

Number of sacks of cement used in well seal X sacks

Number of sacks of bentonite used in well seal X sacks

Brand name of bentonite X

Number of pounds of bentonite per 100 gallons of water X lbs./100 gals.

Was a drive shoe used? ☐ Yes ☐ No Plugs X Size: location ft.

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? depth of strata X

Method of sealing strata off X

Was well gravel packed? ☐ Yes ☐ No Size of gravel: X

Gravel placed from ft. to X ft.

(10) LOCATION OF WELL:

County Multnomah Driller's well number

¼ ¼ Section 13 T. 2N R. 1 W. W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 222 ft.

Static level 9 ft. below land surface. Date 2/15/74

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6"

Depth drilled 24 ft. Depth of completed well 247 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
Previously drilled	0	222	
Coarse sand & fine gravel	222	234	
Med. fine gray sand	234	240	
Coarse gray sand/fine gravel	240	247	

RECEIVED
JUN 26 2003
WATER RESOURCES DEPT
SALEM, OREGON

Work started 2/6/74 19 Completed 2/15/74 19

Date well drilling machine moved off of well 2/18/74 19

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] (Drilling Machine Operator) Date 2/21/74, 19

Drilling Machine Operator's License No. 751

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 A. M. Jannsen Drilling Co. (Person, firm or corporation) (Type or print)

Address 21075 S. W. Tualatin Valley Hwy, Aloha, Or.

[Signed] (Water Well Contractor)

Contractor's License No. 79 Date 2/21/74, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
MAR 13 1979
WATER RESOURCES DEPT.
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

MULT State Well No. 2N/1W-14

State Permit No. 0C1644

(1) OWNER:
Name Pacific Coast Nursery, Inc.
Address Rt. 1, Box 320, Portland, Oregon 97231

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) CASING INSTALLED:
Threaded ☐ Welded ☒
12" Diam. from +1 ft. to 190 ft. Gage .312
10" Diam. from 175 ft. to 220 ft. Gage .312
10" Diam. from 250 ft. to 258 ft. Gage .312

(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 Johnson Stainless Steel
Type .080 slot Model No. WM304
Diam. 10 Slot size .080 Set from 220 ft. to 250 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? Steinman
Yield: 1,040 gal./min. with 3.5 ft. drawdown after 6 hrs.
" 820 " 2.5 " 7 "
" 740 " 1.5 " 7 1/2 "
Baller test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 55 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement
Well sealed from land surface to 21 ft.
Diameter of well bore to bottom of seal 16 in.
Diameter of well bore below seal 12 in.
Number of sacks of cement used in well seal 35 sacks
How was cement grout placed? Pumped through a one in. pipe between 16" and 12" pipes.
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 Multnomah Driller's well number 4-79
¼ ¼ Section 14 T. 2N R. 1W W.M.
Bearing and distance from section or subdivision corner
See attached sheet

(11) WATER LEVEL: Completed well.
Depth at which water was first found 206 ft.
Static level 16 1/2 ft. below land surface. Date 3-6-79
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 0
Depth drilled 262 ft. Depth of completed well 257 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
Sand, dark brown	0	16	
Siltstone, grey & brown	16	41	
Silt, grey	41	97	
Sandstone, grey	97	149	
Sand, grey, slightly loose	149	174	
Silt, dark grey	174	189	
Boulder	189	200	
Conglomerate	200	206	
Gravel & sand, loose	206	227	19
Cobbles, gravel & sand-loose	227	241	19
Gravel & sand, loose	241	257	19

RECEIVED
JUN 26 2003
WATER RESOURCES DEPT
SALEM, OREGON

Work started 1-2- 1979 Completed 3-6- 1979
Date well drilling machine moved off of well March 7, 1979

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] (Drilling Machine Operator) Date 3-8, 1979
Glenn D. Rydman
Drilling Machine Operator's License No. 54

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 Steinman Bros. Drilling Co. (Person, firm or corporation) (Type or print)
Address 3023 S. E. Holly Avenue, Milw., Ore.
[Signed] (Water Well Contractor)
Ronald F. McConnell
Contractor's License No. 626 Date March 8, 1979

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

STATE ENGINEER
Salem, Oregon

MULT Well Record

06150

STATE WELL NO. 2N/1W-16C
COUNTY Multnomah
APPLICATION NO. GR-4259

OWNER: Joe V. Caruso

MAILING ADDRESS: 2341 SE Ladd Ave

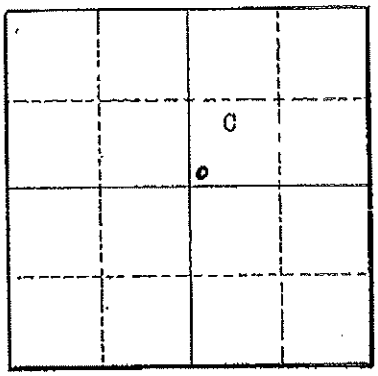
CITY AND STATE:

LOCATION OF WELL: Owner's No.

NE ¼ NW ¼ Sec. 16 T. 2 N. R. 1 W., W.M.

Bearing and distance from section or subdivision corner 850 feet South and 200 feet West from the most easterly corner of the Jacob Cline DLC No. 48

Altitude at well



Section 16

TYPE OF WELL: Drilled Date Constructed June, 1949

Depth drilled 96 feet Depth cased 96 feet

CASING RECORD:

8-inch steel casing set from 0 to 96 feet

FINISH:

5 per ft. ½" x 2" long from 83 feet to 94 feet

AQUIFERS:

sand and gravel

WATER LEVEL:

83 feet

PUMPING EQUIPMENT: Type General Electric H.P.
Capacity 600 G.P.M.

WELL TESTS:
Drawdown 1 ft. after hours 600 G.P.M.
Drawdown 0 ft. after hours 100 G.P.M.

USE OF WATER Irrigation Temp. °F., 19
SOURCE OF INFORMATION GR-4108
DRILLER or DIGGER Steinman Bros. McLaughlin Blvd.
ADDITIONAL DATA:
Log x Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

sand	some water	1	to 15 feet
fine grey sand		15	to 50 feet
pure grey sand		50	to 66 feet
sand & gravel	water bearing	66	to 78 feet
loose gravel	water bearing	78	to 85 feet
loose gravel	water bearing	85	to 94 feet
loose gravel	water bearing	94	to 96 feet

State Printing 89316

MULT
001720

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.

RECEIVED
FEB 25 1970
STATE ENGINEER
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

State Well No. 2N/1W-23

State Permit No. .....

(1) OWNER:
Name Millard Angell
Address 2210 N. E. 102nd Ave. Portland, Oregon

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:
Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 204 ft. Gage .250
5" Diam. from 199 ft. to 205 ft. Gage .120
..." Diam. from ..... ft. to ..... ft. Gage .....

(6) PERFORATIONS:
Perforated? ☒ Yes ☐ No.
Type of perforator used Torch
Size of perforations 1/8 in. by 12 in.
12 perforations from 202 ft. to 205 ft.
..... perforations from ..... ft. to ..... ft.
..... 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) WATER LEVEL: Completed well.
Static level 10 ft. below land surface Date 2/19/70
Artesian pressure ..... lbs. per square inch Date .....

(9) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " "
" " "
airlift
Bailer test 35 gal./min. with 35 ft. drawdown after 2 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? ☐ Yes ☒ No

(10) CONSTRUCTION:
Well seal—Material used Bentonite
Depth of seal 185 ft.
Diameter of well bore to bottom of seal 10 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth .....
Was a drive shoe used? ☐ Yes ☐ No
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.

(11) LOCATION OF WELL:
County Multnomah Driller's well number .....
¼ ¼ Section 23 T. 2 N R. 1 W. W.M.
Bearing and distance from section or subdivision corner .....

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 215 ft. Depth of completed well 205 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 as drilling proceeds. Note drilling rates,

MATERIAL	From	To	SWL
River sand	0	12	
Sand and wood	12	15	
River sand	15	88	
Sand and wood	88	90	
Sand	90	110	
Sand & sandy claystreaks	110	195	
Pea Gravel & sand	195	215	
(Test hole to 215 ft.)			

RECEIVED
JUN 26 2003
WATER RESOURCES DEPT
SALEM, OREGON

Work started 2/4/70 19 Completed 2/19/70 19
Date well drilling machine moved off of well 2/19/70 19

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] Melvin C. Jannsen Kamp Date 2/20/70 19
(Drilling Machine Operator)
Drilling Machine Operator's License No. 235

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 A. M. Jannsen Drilling Co.
(Person, firm or corporation) (Type or print)
Address 21075 S. W. Tualatin Valley Highway
Aloha, Oregon
[Signed] Edward M. Jannsen
(Water Well Contractor)
Contractor's License No. 79 Date 2/20/70, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

MULT 50969

02N '01W/14 cA

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

(START CARD) # 85641

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

(1) OWNER: Well Number 352
Name Trapold Farms Inc.
Address 21439 SE Ash.
City Grasham State OR. Zip 97030

(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 220 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10	0	20	bentonite	0	20	25
6	20	220				

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	+2	220	1/4	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) 220 under

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

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

Yield gal/min	Drawdown	Drill stem at	Time
200		220	1 hr.

Temperature of water 56 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 by legal description:
County Mult. Latitude Longitude
Township 2 ☒ N or S Range 1 E or W WM.
Section 14 NE 1/4 SW 1/4
Tax Lot 140 Lot Block Subdivision
Street Address of Well (or nearest address) 17820 NW Gillham Loop Savuies Island

(10) STATIC WATER LEVEL:
12 ft. below land surface. Date 4/16/96
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 200

From	To	Estimated Flow Rate	SWL
200	220	200	12

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
clay/sand brown	0	20	
sand gray	20	120	
sand brown	120	180	
sand/gravel gray	180	200	
gravel gray	200	220	12

RECEIVED
JUN 26 2001
WATER RESOURCES DEPT
SALEM, OREGON

Date started 4/11/96 Completed 4/16/96

(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 1622
Signed Date 4/19/96

(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 663
Signed Date 4/19/96

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

Well Data Table - Bailey Nursery, Wheeler Ranch, Sauvie Island - Township 2N, Range 1W WM

	Initials	Date
Prepared By	DVP	9/23/6?
Approved By		

Well #	Owner @ Drilling	Location	Depth	Yield	By Test	SWL	Aquifer-Material	Depth		Remarks
032	Sauvie Is Nursery - Holmason	11	232	100	Bailer	-16	Gravel & Sand	201-232		
578	Robert Schick	SW NW 22	205	20	Bailer	-9	Gravel & Sand	184-205		
1607	Francis Shields	15	155	40	Bailer	-14	Gravel	145-155		
1603	Merchant's Exchange of Portland	NE 14	247		None	-19	Gravel & Sand	204-247		
1627	Corbett Development Corp	NE SW 9	112	30	Bailer	-12	Gravel & Sand	109-112		West Side
1628	Thomas G. Churchill	SE NE 9	98	30	Bailer	-42 ?	Gravel	94-98		West Side
1632	Andrew Karamanos	11	230	75	Air	-12	Gravel	218-230		
1635	Frank Hatcher	13	247	24	Bailer	-9	Sand & Gravel	222-247		
1650	Joe V. Caruso	NE NW 16	96	600	Pump	—	Gravel	66-96		West Side
1720	Millard Angell	23	215	35	Air	-10	Gravel & Sand	195-215		
1644	Pacific Coast Nursery Inc	14	257	1,040	Pump	-16	Cobbles, Gravel & Sand	189-257		
50969	Dapold Farms Inc	NE SW 14	220	200	Air	-12	Gravel & Sand	180-220		

Table BNW - I

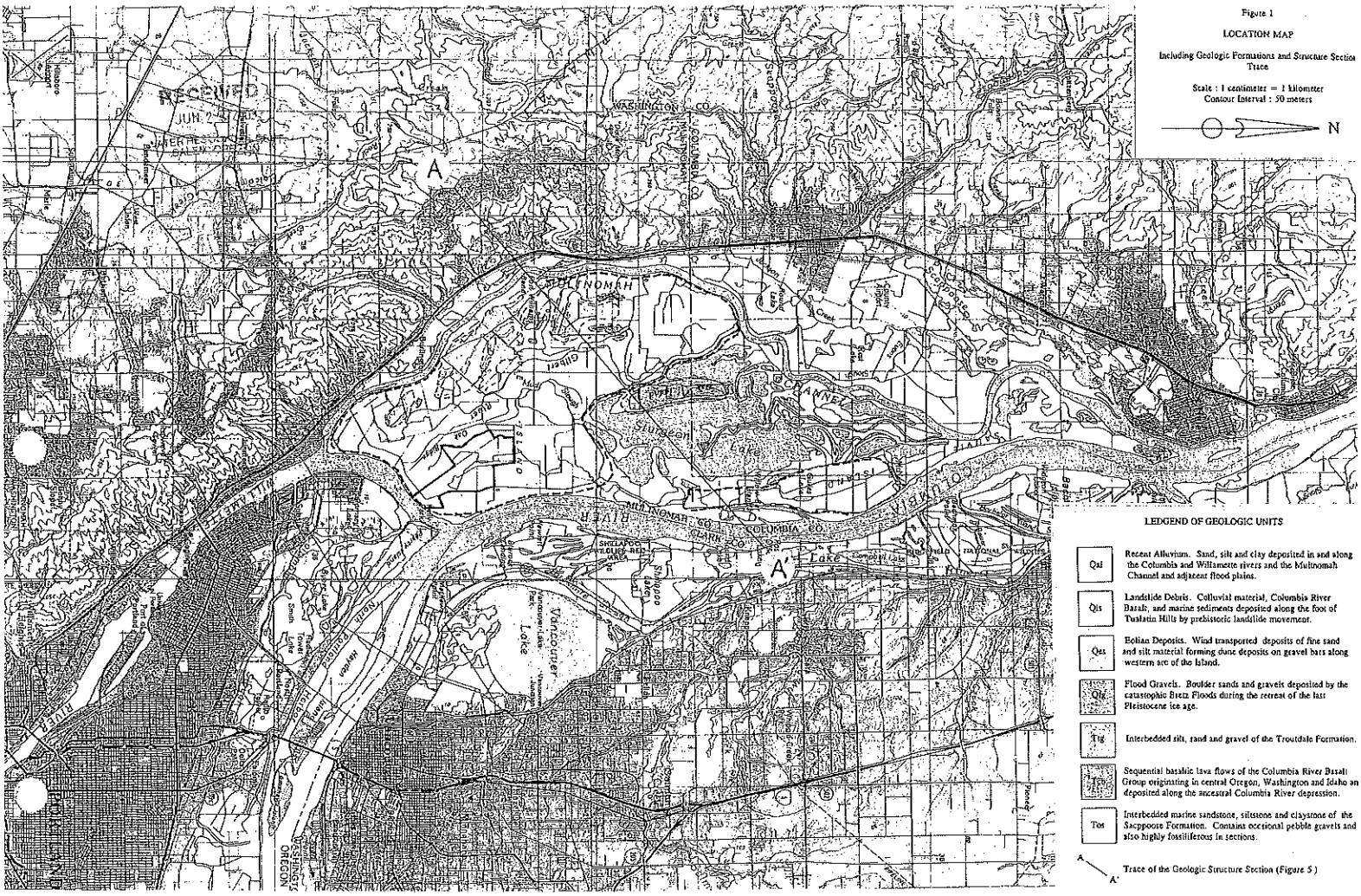
Figure 1

LOCATION MAP

Including Geologic Formations and Structure Section Trace

Scale : 1 centimeter = 1 kilometer
Contour Interval : 50 meters

N



LEDGEND OF GEOLOGIC UNITS

Qal	Recent Alluvium. Sand, silt and clay deposited in and along the Columbia and Willamette rivers and the Multnomah Channel and adjacent flood plains.
Qls	Landslide Debris. Colluvial material, Columbia River Basalt, and marine sediments deposited along the foot of Tualatin Hills by prehistoric landslide movement.
Qes	Eolian Deposits. Wind transported deposits of fine sand and silt material forming dune deposits on gravel bars along western arc of the Island.
Qfg	Flood Gravels. Boulder sands and gravels deposited by the catastophic Bretz Floods during the retreat of the last Pleistocene ice age.
Tng	Interbedded silt, sand and gravel of the Troutdale Formation.
Tcr	Sequential basaltic lava flows of the Columbia River Basalt Group originating in central Oregon, Washington and Idaho an deposited along the ancestral Columbia River depression.
Tos	Interbedded marine sandstone, siltstone and claystone of the Sacppoose Formation. Contains occeional pebble gravels and also highly fossiliferous in sections.

A — A' Trace of the Geologic Structure Section (Figure 5)

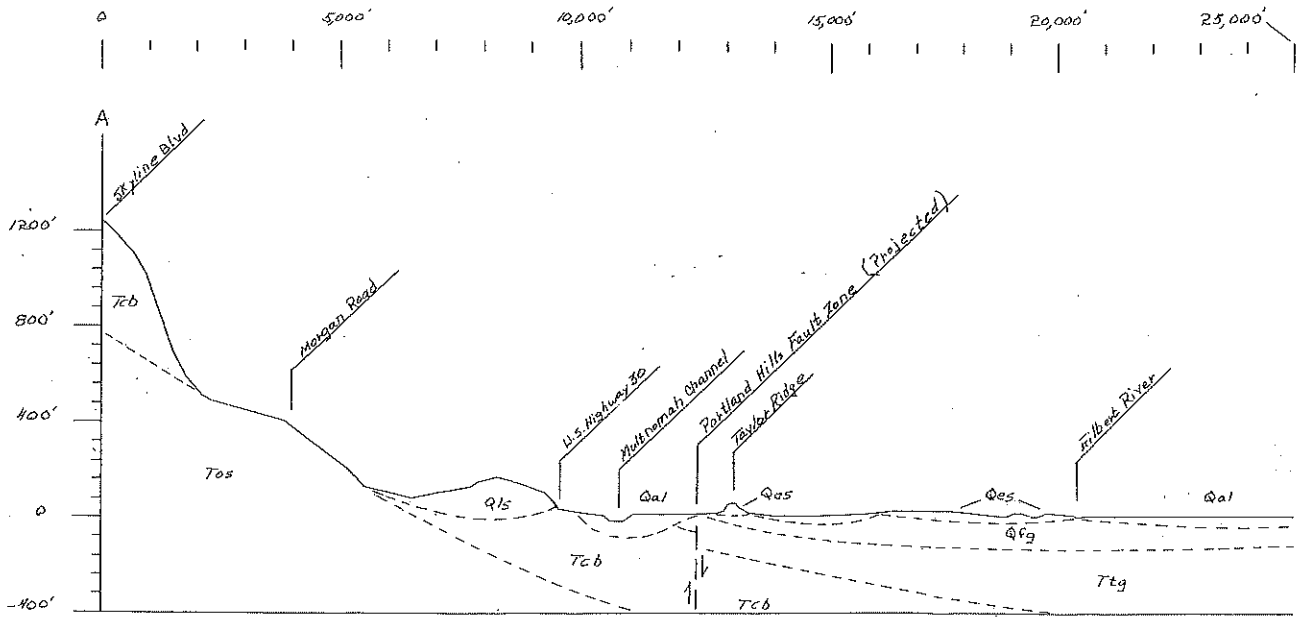


Figure 5

GEOLOGIC STRUCTURE SECTION A——A'

Horizontal Scale: 1 inch = 2000 feet
Vertical Scale: 1 inch = 400 feet

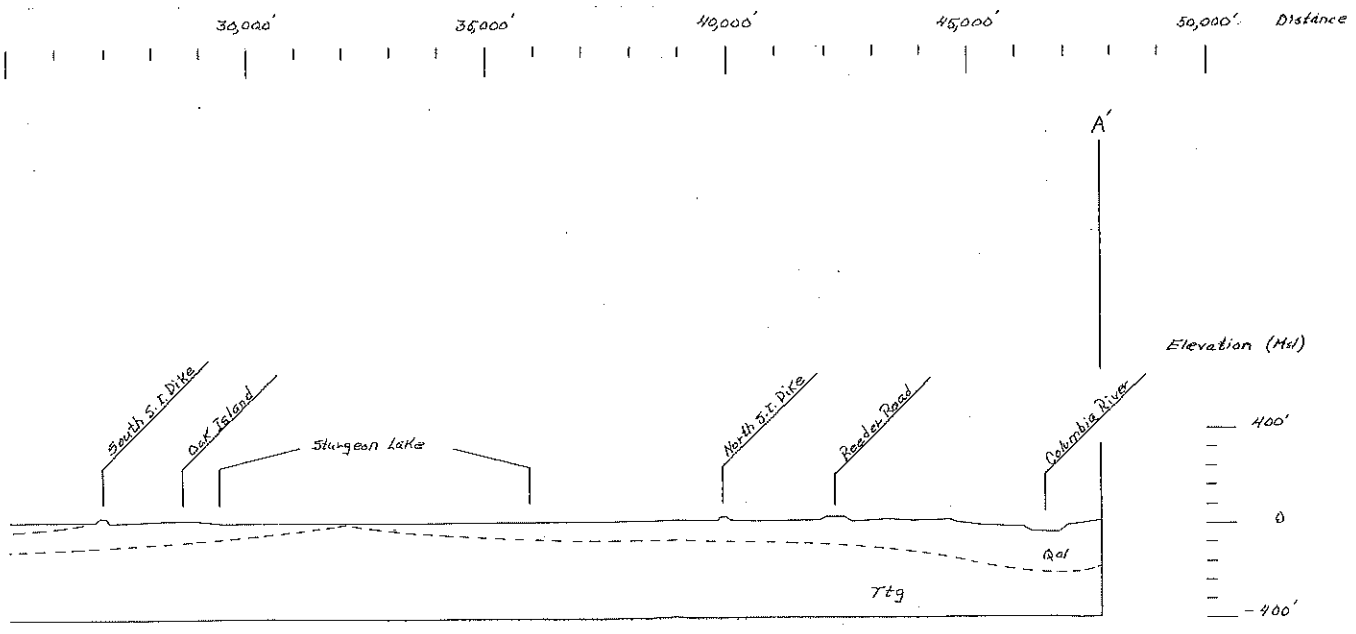


Figure 5

GEOLOGIC STRUCTURE SECTION A——A'

Horizontal Scale: 1 inch = 2000 feet
Vertical Scale: 1 inch = 400 feet

APPLICANT OR HIS CONTRACTOR SHALL NOTIFY THE PERMIT OFFICE, 503-988-3582, PRIOR TO COMMENCING WORK AND AFTER COMPLETION

MULTNOMAH COUNTY OREGON

DEPARTMENT OF BUSINESS
AND COMMUNITY SERVICES
TRANSPORTATION DIVISION
RIGHT-OF-WAY PERMIT SECTION
1600 SE 190TH AVENUE, ROOM 115/120
PORTLAND, OREGON 97233
(503) 988-3582 FAX (503) 988-3389

APPLICATION AND PERMIT TO OCCUPY OR PERFORM OPERATIONS UPON A COUNTY ROAD OR DEDICATED STREET

Permit No. 60077
District: 1
Fee: Cost of Recording $27.00 $36.00
Check No.

Name and Address of Applicant
BAILEY NURSERIES, INC.
18616 NW REEDER ROAD
PORTLAND, OREGON 97231
Phone No. 503 621-9710

Applicant hereby applies to the Board of County Commissioners through the Department of Business and Community Services for permission to perform certain operations upon the right-of-way of a County road or dedicated street as shown on the map or plan attached hereto and by this reference made a part hereof.

☐ Construct, operate and maintain a _____ pole line.
☐ Construct, operate and maintain a _____ buried cable.
☒ Construct, operate and maintain a DRAINAGE pipe line.
☐ Miscellaneous operations and/or facilities as described.
☐ Erect and maintain a non-commercial sign.

County Maintained _____
Ins. Req. _____ Bond Req. _____
Depth: ( ) inches minimum cover
Cut _____ Push or Bore BORE
Trenching or tunneling nearer than _____ ft. to surfaced portion of road not permitted.

POLE LINE, BURIED CABLE, OR PIPE LINE TO BE CONSTRUCTED ALONG OR ACROSS:

STREET	Between (Nearest Intersecting Road) and	Side of Road	Distance From Center Line	Distance From R/W Line	Buried Cable or Pipe Depth	Buried Cable or Pipe Size in Kind
X NW Gilliham	16700	ACROSS				

DESCRIPTION AND LOCATION OF NON-COMMERCIAL SIGN, MISCELLANEOUS OPERATIONS AND/OR FACILITIES

BORING 40' OF 12" Diameter Steel Casing for 6" Irrigation Line & 29" diameter steel casing per attached plan.

This permit is issued by the Department of Business and Community Services subject to the terms and provisions contained herein and/or attached hereto and is accepted and approved by applicant subject to said terms and provisions.

APPLICANT MUST NOTIFY PERMIT OFFICE AND UTILITIES BEFORE COMMENCING WORK!
PERMIT VALID FOR 90 DAYS FROM DATE ISSUED.

See the attached special provisions which are made part of this permit.

Applicant: BAILEY NURSERIES INC
X By: Donald Pond
(Print Name) (Title)
Date of Application: 10-31-02

MULTNOMAH COUNTY, OREGON
DEPARTMENT OF BUSINESS
AND COMMUNITY SERVICES

Approved By: Alan G Young
Right-of-Way Use Permit Supervisor
Effective Date: 10-31-02

Bond

BOND# RLI 0536891

Facilities permit bond for use in Multnomah County, Oregon, in accordance with rules adopted pursuant to ORS 374.310, and applicable to both single and multiple permits, as designated hereinafter, in the amounts prescribed.

KNOWN ALL MEN BY THESE PRESENTS: that we, BAILEY'S NURSERIES, Inc.

as principal, and OLD REPUBLIC SURETY COMPANY as surety, are jointly and severally held and bound unto the County of Multnomah in the sum of TEN THOUSAND AND no/100 ($10,000.00) every road facilities work permit issued by Multnomah County to the principle during the term of this bond, for the payment of which we jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns firmly by these presents.

THE CONDITION OF THIS BOND IS SUCH:

THAT, WHEREAS, the said principal herein has applied to Multnomah County for authorization to perform work in a county road, which requires a permit pursuant to ORS 374.305 to 374.325, and said principal seeks authorization for (single)(multiple) permit(s) to perform said work; and

WHEREAS, approval of principal's application has been granted by Multnomah County, subject to and upon certain conditions contained in each of said permits issued herein, all as are on record in the offices of the Multnomah County Department of Sustainable Community Development/Permit Section, and hereby made part of this bond as though incorporated herein.

NOW, THEREFORE, if the principal shall faithfully and truly observe the terms, provisions, conditions, stipulations, rules, regulations and requirements of any and all permits covered hereby, and shall indemnify and save harmless Multnomah County, its officers, employees and agents against any direct or indirect damage or injury which may be suffered or claimed by them or any of them for any injury to persons or property during the operation of the principal under any or all permits, and shall indemnify and make whole the County for any injury or damage to said road or any part thereof, resulting from the performance of said principal, then this obligation is to be void and a nullity, but otherwise shall remain in full force and effect.

THE TERM of this bond shall extend for two (2) years from the date work is started under the initial permit and, if applicable to multiple permits, the liability under this bond shall extend for two (2) years from the date work is started under each permit thereafter issued within the term of this bond.

Witness our hands and seals this 23rd day of September, 2002

Notary Public

OLD Republic Surety Company

(Surety)

Cheryl L Holmberg, Attorney-In-Fact

(Principal)

Countersigned:

Daniel J Schneeman, Licensed MN Resident Agent

OFFICIAL SEAL
ROSALBA SANDOVAL-PEREZ
NOTARY PUBLIC – OREGON
COMMISSION NO. 348425
MY COMMISSION EXPIRES AUGUST 2, 2005

Bond2001.doc

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JUN 2 6 2003

WATER RESOURCES DEPT
SALEM, OREGON

OLD REPUBLIC
Surety Company

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That OLD REPUBLIC SURETY COMPANY, a Wisconsin stock insurance corporation, does make, constitute and appoint:

WALLACE H. RUSSELL, CHERYL L. HOLMBERG, JAMES T. THORNE, MATTHEW A. SUNDEEN, MATTHEW J. CLYSDALE, OF ST. PAUL, MN

its true and lawful Attorney(s)-in-Fact, with full power and authority for and on behalf of the company as surety, to execute and deliver and affix the seal of the company thereto (if a seal is required), bonds, undertakings, recognizances or other written obligations in the nature thereof, (other than bail bonds, bank depository bonds, mortgage deficiency bonds, mortgage guaranty bonds, guarantees of installment paper and note guaranty bonds, self-insurance workers compensation bonds guaranteeing payment of benefits, asbestos abatement contract bonds, waste management bonds, hazardous waste remediation bonds or black lung bonds), as follows:

ALL WRITTEN INSTRUMENTS IN AN AMOUNT NOT TO EXCEED AN AGGREGATE OF TWO HUNDRED FIFTY THOUSAND DOLLARS ($250,000) ------------- FOR ANY SINGLE OBLIGATION, REGARDLESS OF THE NUMBER OF INSTRUMENTS ISSUED FOR THE OBLIGATION.

and to bind OLD REPUBLIC SURETY COMPANY thereby, and all of the acts of said Attorneys-in-Fact, pursuant to these presents, are ratified and confirmed. This document is not valid unless printed on colored background and is multi-colored. This appointment is made under and by authority of the board of directors at a special meeting held on February 18, 1982. This Power of Attorney is signed and sealed by facsimile under and by the authority of the following resolutions adopted by the board of directors of the OLD REPUBLIC SURETY COMPANY on February 18, 1982.

RESOLVED that the president, any vice president, or assistant vice president, in conjunction with the secretary or any assistant secretary, may appoint attorneys-in-fact or agents with authority as defined or limited in the instrument evidencing the appointment in each case, for and on behalf of the company to execute and deliver and affix the seal of the company to bonds, undertakings, recognizances, and suretyship obligations of all kinds; and said officers may remove any such attorney-in-fact or agent and revoke any Power of Attorney previously granted to such person.

RESOLVED FURTHER that any bond, undertaking, recognizance, or suretyship obligation shall be valid and binding upon the Company

(i) when signed by the president, any vice president or assistant vice president, and attested and sealed (if a seal be required) by any secretary or assistant secretary; or

(ii) when signed by the president, any vice president or assistant vice president, secretary or assistant secretary, and countersigned and sealed (if a seal be required) by a duly authorized attorney-in-fact or agent; or

(iii) when duly executed and sealed (if a seal be required) by one or more attorneys-in-fact or agents pursuant to and within the limits of the authority evidenced by the Power of Attorney issued by the company to such person or persons.

RESOLVED FURTHER that the signature of any authorized officer and the seal of the company may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the company; and such signature and seal when so used shall have the same force and effect as though manually affixed.

IN WITNESS WHEREOF, OLD REPUBLIC SURETY COMPANY has caused these presents to be signed by its proper officer, and its corporate seal to be affixed this 17TH day of AUGUST 2001

OLD REPUBLIC SURETY COMPANY

Assistant Secretary

(SEAL)

President

STATE OF WISCONSIN, COUNTY OF WAUKESHA - SS

On this 17TH day of AUGUST 2001 personally came before me, JAMES E. LEE and DAVID C. MENZEL to me known to be the individuals and officers of the OLD REPUBLIC SURETY COMPANY who executed the above instrument, and they each acknowledged the execution of the same, and being by me duly sworn, did severally depose and say; that they are the said officers of the corporation aforesaid, and that the seal affixed to the above instrument is the seal of the corporation, and that said corporate seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority of the board of directors of said corporation.

Notary Public

My commission expires: 02/13/2005

CERTIFICATE

I, the undersigned, assistant secretary of the OLD REPUBLIC SURETY COMPANY, a Wisconsin corporation, CERTIFY that the foregoing and attached Power of Attorney remains in full force and has not been revoked; and furthermore, that the Resolutions of the board of directors set forth in the Power of Attorney, are now in force.

40-4179

(SEAL)

Signed and sealed at the City of Brookfield, WI this [illegible] day of [illegible]

MAGUIRE AGENCY, INC.

Assistant Secretary

THIS DOCUMENT IS NOT VALID UNLESS PRINTED ON COLORED BACKGROUND AND IS MULTI-COLORED

ACKNOWLEDGEMENT FOR ATTORNEY-IN-FACT

STATE OF Minnesota)
)ss
COUNTY OF Hennepin)

On this 22nd day of October A.D., 2002, personally appeared before me Cheryl L Holmberg, to me personally known, who being by me duly sworn, did depose and say; that he is Attorney-In-Fact of the Old Republic Surety Company, the corporation described in and which executed the foregoing instrument, that the seal affixed to said instrument is the corporate seal of said corporation by authority of its Board of Directors and said Cheryl L Holmberg acknowledged : id instrument to be the free act of said corporation.

Stacie Sandra Campanaro
Notary Public
Minnesota
My Commission Expires Jan. 31, 2005

Stacie Campanaro
Notary Public, Hennepin County
My Commission Expires: 1-31-2005

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WATER RESOURCES DEPT.
SALEM, OREGON

Multnomah County, Oregon
Right of Way Section
Allan Young
1600 SE 190th Avenue
Portland OR 97233

Dept. of Business and Community Services
MULTNOMAH COUNTY OREGON
Land Use and Transportation Division
Right-of-Way Section
1600 SE 190th Avenue
Portland, Oregon 97233-5910
(503) 988-3582

REVOCABLE PERMIT TO USE DEDICATED RIGHT-OF-WAY

PERMIT # 600071

This Revocable Permit is made and entered into this 18 day of October, 2002 between **Multnomah County** (Grantor) and **Bailey Nurseries** (Grantee).

The undersigned, Bailey Nurseries, hereafter referred to as **Permittee**, and any subsequent successor in title are granted a revocable permit for use of a portion NW Gillihan Road right-of-way abutting their property, Tax Lot 100 Section 23, 2N, 1W (property ID Number R325184) shown on map 2N1W23B-00100). The Permittee will directional bore a 12-inch and 24-inch diameter pipe sleeve across NW Gillihan Road right-of-way. The 12-inch pipe will encase a 6-inch diameter irrigation system and allow a larger diameter irrigation system to be used in the future. The 24-inch pipe crossing will be used to encase a 20-inch diameter irrigation drainpipe. If a metal sleeve is not used then a thicker wall class 160 plastic pipe may be used with a tracer wire. The privately owned pipe crossings shall be constructed with a minimum of 42-inches of cover between the top of pipe and the asphalt road finish grade and not less than 2-feet of cover down from any existing road ditch. The pipe sleeves will be constructed one over the other and will cross NW Gillihan Road immediately north of an existing field road located on the north side of NW Gillihan Road that is 1620-feet northeasterly of the paved driveway at 16700 NW Gillihan Road. This permit shall not exempt the Permittee from obtaining any license or permit required by state statute or local ordinance for any act to be performed under this permit nor shall this permit waive the provisions of any state statute or local ordinance.

(CONDITIONS)

(1) This permit is for the use of a portion of NW Gillihan Road right-of-way under Multnomah County's jurisdiction.

(2) This permit may be revoked by Multnomah County at any time in the event the public need requires it, or the Permittee fails to comply with the conditions of this permit. No expenditure of money, lapse of time, or other act or thing shall operate as an estoppel against the County, or be held to give the Permittee any vested or other right. Upon revocation of this permit the Permittee shall within 30 days remove, relocate or abandon if granted by the County, said installation from the road right-of-way and restore the right-of-way as directed by and to the satisfaction of Multnomah County.

lease record and return to:
lan G Young, Permits Section

(3) The Permittee shall hold Multnomah County, its officers, agents, and employee free and harmless from any claims for damages to persons or property, including legal fees and costs of defending any actions or suits, including any appeals, which may result from the permitted private facility being constructed in the public road right-of-way.

(4) The Permittee shall be liable to any person who is injured or otherwise suffers damage by reason of the Permittee's failure to keep any structure located in the portion of the right-of-way area covered by this permit in a safe condition and good repair. Furthermore, Permittee shall be liable to Multnomah County, its officers, agents and employees, for any judgment or expense incurred or paid by the County, its officers, agents employees, by reason of the existence of the private water line facility covered by this permit.

(5) The Permittee must incorporate applicable erosion control measures during construction

(6) The Permittee shall reimburse the County for the cost of filing a copy of this permit with the Elections and Records Division of Multnomah County.

(7) The Permittee shall initiate construction authorized by this permit within 180 days of the permit issue date. If the permitted work has not begun within 180 days, the Permittee shall reapply for a permit before beginning any work within the public road right-of-way.

(8) Repair, maintenance and installation of existing or future public utility facilities in the right-of-way may require Permittee to reconstruct, move or remove the private facility authorized by this permit at the Permittee's cost. To protect underground facilities, the Permittee shall comply with the requirements of OAR 952-001-0010 through 952-001-0090. Utilities shall be notified and have an opportunity to locate their facilities prior to commencing work allowed under the permit.

(9) The permit for this installation shall not be in effective until the Permittee has become a member of the Oregon Utility Notification Center system per OAR 952-001-0010 through 952-001-0090, and agrees to remain a member in good standing. All future private owners, permittees, assignees or heirs to this permit shall be bound by this condition. Failure to remain a member in good standing with the Utility Notification system, or its successor, shall be cause for immediate revocation of this permit without further action by Multnomah County.

(10) If, during the construction allowed under this permit, it becomes necessary or expedient to modify the plan or location of any item authorized by this permit, the Permittee shall first obtain the approval of the County.

(11) The underground installation shall include a tracer wire, for future locate purposes if a non-metal sleeve is used.

(12) The Permittee shall notify Multnomah County Right-of-Way Section (503) 988-3582 of their proposed work schedule for installation of the private facility within the County right-of-way a minimum of two days prior to beginning work.

The private pipe crossing facilities authorized by this permit is for the benefit of and shall encumber TL100, shown on map 2N1W23B-00100 (Property ID Number R325184 and is to run with the land.

IN WITNESS WHEREOF, the party hereto has set their hand this 18th day of October, 2002.

Tim D Liba l (Print name) Tim D Liba l
Bailey Nurseries (Title) Shop Foreman

STATE OF Oregon COUNTY OF Multnomah

SIGNED BEFORE ME October 18, 2002, personally appeared the above-named Tim D Liba l, who Acknowledged is authorized to sign on behalf of Bailey Nurseries and that the forgoing instrument to be a voluntary act.

OFFICIAL SEAL
STUART FARMER
NOTARY PUBLIC-OREGON
COMMISSION NO. 338982
MY COMMISSION EXPIRES OCTOBER 17, 2004

Notary Public for said State
My Commission expires October 17, 2004.

APPROVED BY: Alan G. Young
Alan G. Young
Right-of-Way Permit Specialist
1600 SE 190th Avenue, Portland, OR 97233

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WATER RESOURCES DEPT
SALEM, OREGON

Sep 25 02 11:36a Mult. Co. Land Use Plan 503-988-3389 p.2

MAP WAS PREPARED FOR
SSMENT PURPOSE ONLY

NW1/4 SEC. 23 T.2N. R.1W. W.M.
MULTNOMAH COUNTY
1" = 200'

2N 1W 23B

NOTE:
DIV. OF STATE LANDS (D.S.L.)
APPROX. BNDY. LINE (FILLED AREA).
PROJECTED FROM D.S.L. "LOWER
WILLAMETTE RIVER MGMT. PLAN"
APRIL 1992.

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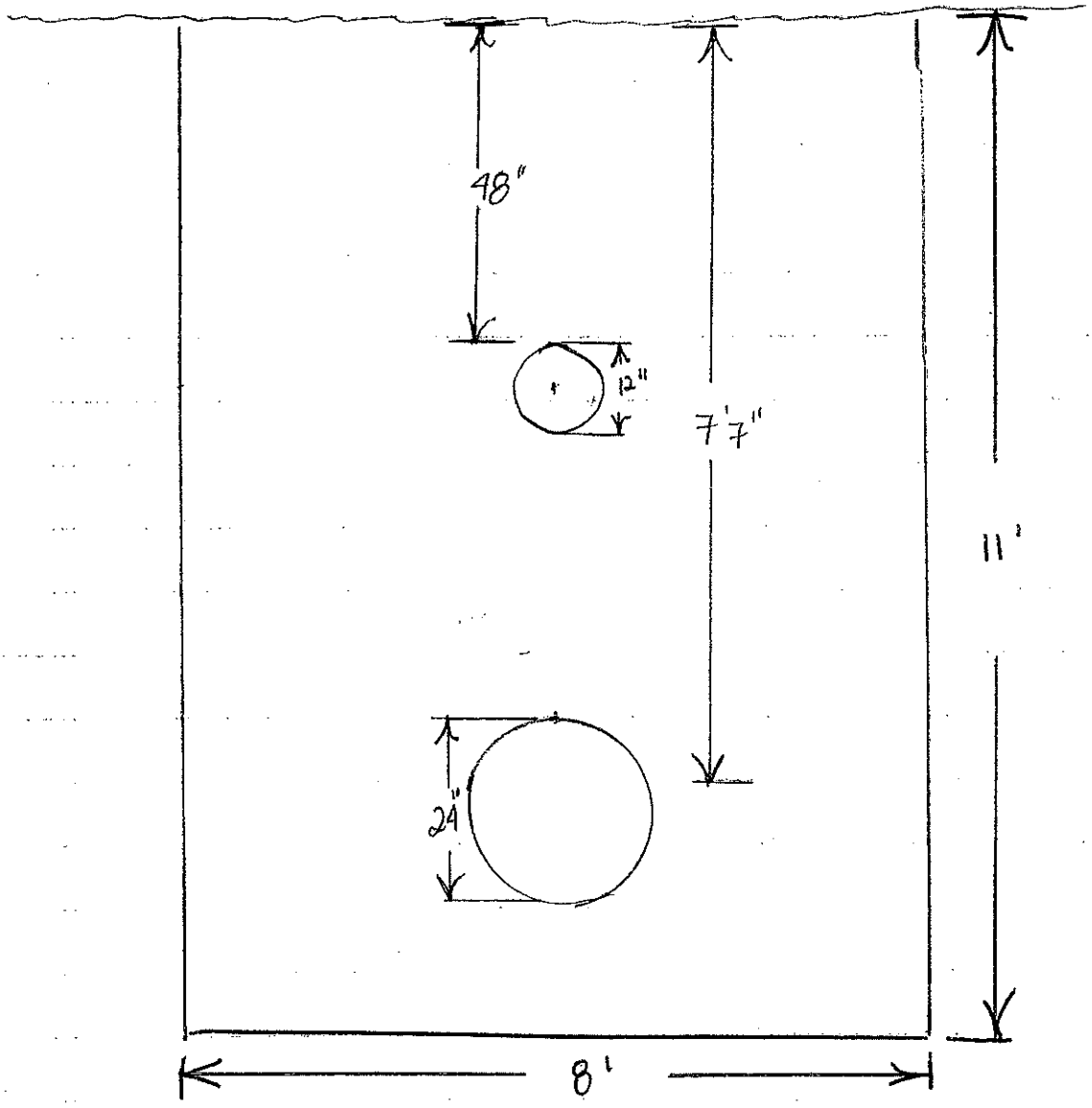
WATER RESOURCES DEPT.
SALEM, OREGON

BORE LOCATIONS



SOUTHER, SPAULDING, KINSEY, WILLIAMSON & SCHWABE
ATTORNEYS AT LAW
12TH FLOOR STANDARD PLAZA
PORTLAND, OREGON 97204
TELEPHONE 503-222-9981
CABLE ADDRESS "SORCAL"
ROBERT T. MAUTZ (1905-1969)

December 20, 1973

Konnie W. Wheeler
Route 1, Box 475
Portland, Oregon 97321

Dear Konnie:

You will find enclosed a copy of the legal land description which you requested.

Yours very truly,

JAMES R. MOORE

JRM:js

Enclosure

PARCEL I: All of Government Lots one (1), two (2), five (5) and six (6), in Section 10, Township 2 North, Range 1 West of the Willamette Meridian.

PARCEL II: Part of the Ellis Walker and Martin Gillihan Donation Land Claim in Sections 10 and 15, Township 2 North Range 1 West of the Willamette Meridian, described as follows:

Beginning at the intersection of the center line of County Road No. 1159 with the North line of the Martin Gillihan Claim; thence North 89°30' West, tracing the line between said Gillihan Claim and the Edward Morgan Donation Land Claim, 46.82 chains (3092.12 feet), to the Southwest corner of said Morgan Claim; thence North tracing the line between said Morgan and Gillihan Claims, 32.48 chains (2143.68 feet), to the most Northerly Northeast corner of said Gillihan Claim; thence West, tracing the North line of said Gillihan Claim, 35.29 chains (2329.14 feet), to the most Northerly Northwest corner of said Claim; thence South 5.93 chains (325.38 feet), to the most Northerly corner of the Ellis Walker Claim; thence tracing the line of said Walker Claim, South 59°30' West 13.80 chains (910.80 feet), to the center line of that certain slough in said Walker Claim; thence South 12°30' East 21 chains (1386 feet); thence South 42°30' East 2.70 chains (178.20 feet), to the North line of the tract conveyed to Archie M. Hall by deed recorded

- CONTINUED -

December 30, 1952 in ReDeed Book 1577 at page 44; thence South 89°30' East, along the North line of said Archie M. Hall tract, 87.68 chains (5786.88 feet), more or less, to a point in the center line of County Road No. 1159; thence, tracing the center line of said road, North 0°13' West 2.87 chains (189.42 feet) and North 17°02' West 0.064 chains (4.224 feet) to the point of beginning.

PARCEL III: A portion of the Edward Morgan Donation Land Claim in Sections 10, 11, 14 and 15, Township 2 North, Range 1 West of the Willamette Meridian, described as follows:

Beginning at the intersection of the center line of County Road No. 1159 (Gillihan Road) and the South line of said Edward Morgan Claim; thence North 89°32' West along the South line of said Claim, 3087.07 feet to the Southwest corner of said Claim; thence North 0°29'15" East, along the West line of said claim, 1778.63 feet; thence East 2646.6 feet to the center line of aforesaid County Road; thence Southeasterly along the center line of said road, 1861.6 feet to the point of beginning; subject however, to said County Road along the Easterly 20 feet thereof.

PARCEL IV: Part of the Edward Morgan Donation Land Claim in Section 10, Township 2 North, Range 1 West of the Willamette Meridian, described as follows;

Beginning at a point in the West line of said Edward Morgan Claim which is North 0°29'15" East 1778.63 feet from the Southwest corner of said Claim, (which Southwest claim corner is South 520.8 feet and West 1663.2 feet from the Southeast corner of Section 10, which point of beginning is marked by a brass plate embedded in concrete; thence along the West line of said Morgan claim, North 0°29'15" East 2012.90 feet to the center line of a drainage canal; thence following along said center line South 5°32'49" East 2021.74 feet to a point which is 206.7 feet due East from the point of beginning; thence West 206.7 feet to the point of beginning.

PARCEL V: A tract of land in Sections 14, 15, and 23, in Township 2 North, Range 1 West of the Willamette Meridian, including portions of the Martin Gillihan and Ellis Walker Donation Land Claims, more particularly described as follows:

Beginning at the intersection of the center line of County Road No. 1159 with the North line of the Martin Gillihan Donation Land Claim, in Section 14, Township 2 North, Range 1 West of the Willamette Meridian; thence South 17°02' East on the center line of said road, 0.064

- CONTINUED -

chains (4,224 feet); thence South 0°13' EAST On the center line of said road, 2.87 chains (189.42 feet); thence North 89°30' West, parallel to said North line of the Martin Gillihan Donation Land Claim, 87.68 chains (5786.88 feet), more or less, to a point in the Westerly line of a certain 170.08 acre tract conveyed by Ellis Walker to Martin Gillihan by deed dated August 18, 1871, recorded on page 338 in Book 29 of Deed Records for Multnomah County, Oregon; thence following the Westerly line of said 170.08 acre tract as follows: South 42°30' East 18.5 chains (1221 feet); thence South 22° East 9.20 chains (607.20 feet); thence South 45°30' East 4.60 chains (303.60 feet); thence South 6°West 8.10 chains (534.60 feet); thence South 54° West 6.50 chains (429 feet); thence South 5°30' East 7.00 chains (462 feet); thence South 18° East 8.90 chains (587.40 feet) to the Southwest corner of said 170.08 acre tract; thence North 55° East, along the Southerly line of said 170.08 acre tract, 38 chains (2508) feet to the Southeasterly corner thereof, being a point in the line between the ELLIS Walker and Martin Gillihan Donation Land Claims, which is South 35°East 73 chains 80 links (4370.80 feet) from the most Northerly corner of said Walker Claim; thence South 35° East, along the said line between the WALker and Gillihan Claims, 85.75 chains (5659.5 feet), more or less, to the low water line on the left bank of the Willamette River; thence Northeasterly along said low water line, 54.25 chains (3580.5 feet), more or less, to an intersection with the South line of tract of land conveyed to Sylvester B. Hall and wife, and Albert S. Hall and wife by deed recorded May 4, 1937, in PsDeed Book 305 page 550, records of Multnomah County, Oregon; thence continuing Northeasterly along said low water line, 0.52 chains (8.58 feet) to a point from which the iron pipe at the meander corner of Sections 14 and 23, Township 2 North, Range 1 West of the Willamette Meridian on the left bank of said Willamette River bears South 39°08' West 1103.5 feet distant; thence North 53° West 206 feet to a 1¼ inch by 36 inch iron pipe from which the iron pipe at said meander corner bears South 28°30' West 1115 feet and a concrete monument at a U.S. Triangulation Station bears South 43°19' West 1028.2 feet; thence North 38°22' West 668.6 feet to a 1 inch by 36 inch iron pipe; thence North 03° East 3169.914 feet (48.029 chains) to a point in the Easterly prolongation of the line between the Edward Morgan Donation Land Claim, No. 39 and the Martin Gillihan Donation Land Claim; thence North 89°32' West 239.58 feet, more or less, following said prolongation of said claim line, to the Northeast corner of said Gillihan Claim; thence North 89°30' West along the line between said Morgan Claim and said Gillihan Claim, 29.09 chains (1919.94 feet) to the point of beginning.

Standard Application "Completeness" Checklist

Application: G-16039
Priority Date: 6/26/03

Use(s): IRRIGATION
823.4 ACRES

Rate: 6.68 CFS

County: MULTNOMAH
Township: SEE MAP
Range: SEE MAP
Section: SEE MAP
POD ¼¼: SEE MAP

POU ¼¼: SEE MAP

Minimum Requirements (OAR 60-310-040)

OK Applicant/Organization Name, Mailing Address', and Telephone Numbers. If applicant is other than a private landowner, Organizations section must be completed.

OK Source *and* tributary listed

OK Property ownership indicated? If applicant does not own all the land, is the affected landowners name and mailing address listed? (Including: Lands, not owned by applicant, upon which the source is located ...or... any Lands, not owned by applicant, which are crossed by the diversion works.) NOTE: An easement or agreement DOES NOT need to be submitted at this time, but will be required before a permit will be issued.

OK If a groundwater application...is the groundwater development section completed?

OK Proposed Use of the water.... Is each proposed use identified?

OK Has the appropriate "Supplemental Form" for each proposed use been completed?

OK Form I (Irrigation) N/AForm M (Municipal or Quasi-Municipal)

N/A Form R (Mining) N/A Form Q (Commercial or Industrial)

N/ASpring Description Sheet (if source is a Spring)

OK Amount of water from each source listed in GPM, CFS or AF?

OK Acreage being proposed, if applicable.

OK Season being requested by applicant.

OK The water management section has been completed? If, the water system has not been designed, the applicant may estimate this information.

OK Resource protection system completed on Surface Water application?

OK Are the dates of construction indicated? If, the system already is completed, the applicant should indicate existing.

OK Is the application signed in ink by the applicant? If the application is in the name of an Organization, or corporation, the authorized agent must sign the application.

OK Is a copy of the deed, land sales contract or title insurance policy included? We cannot accept a copy of the tax bill.

OK A completed Land-Use Form or receipt signed by the appropriate planning department officials enclosed? *Does the use on land-use form match the proposed use on the application?*

OK Does the map meet map requirements of OAR 60-310-050?

OK Town, Range, Sec, ¼ ¼'s and Tax Lot #	OK Scale of the Map
OK Reference corner on map	OK North Directional Symbol
OK ¼¼'s clearly identified	OK POD clearly identified
OK POU clearly identified	OK Location Coordinates for each POD
OK Location of House, if Domestic	OK Number of acres per ¼¼, if Irrigation
OK Location of Bldg, if Com./Indus.	OK Location of Stock Tanks, if Livestock
OK Muni / Quasi-Muni Service Boundaries	OK Other
OK fees enclosed?	Base Fee $250.00
Total Paid $775.00	plus $150.00
	plus $450.00

Total Amount of
Water Requested: 6.68 CFS

Total Exam Fee $850.00

Total Exam Fee $850.00 OWES $75.00 ADDITIONAL EXAM FEES
Recording Fee $175.00 TO BE RECEIVED

Completeness Check by: HERB MOSGAR Date: 6/26/03