

FILE#: G 15189

COUNTY OF CLACKAMAS; ~~ZINZER, DAN~~
150 BEAVER CREEK RD VD
OREGON CITY OR 97045 97015

Application No. G15189
Permit No. 9-13947
Certificate No. 90926

Stream Index, Page No. _____

FEES PAID

Date	Amount	Receipt No.
7/21/00	650.00	39123
Ext. 4-21-04	\$250.00	66761
5-31-12	150.00	105873

Cert. Fee _____

FEES REFUNDED

Date	Amount	Check No.
------	--------	-----------

Date filed _____

Priority _____

Action suspended until C-92
"onextdh"

Return to applicant _____

Date of approval _____

CONSTRUCTION

Date for beginning 5/31/02

Date for completion _____

Extended to _____

Date for application of water 10/1/05

Extended to 10-1-2014

PROSECUTION OF WORK

Form "A" filed _____

Form "B" filed _____

Form "C" filed _____

FINAL PROOF

Blank mailed _____

Proof received COBU 5/31/2012

Date certificate issued DEC 11 2015

* See also R-70117 & S-70118

ASSIGNMENTS

Date	To Whom	Address	Volume	Page

REMARKS

T-92799 Δ POA V. 56 p. 2057
T-96822 V. 68 p. 788

PUMP TEST
3-28-2013
APPROVED

COBU MAP # 689

CC:

Dave Phipps

PO Box 2980

Oregon City, OR

97045

689

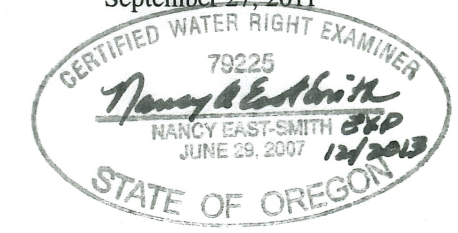
T3S, R2E, Section 21, WM
Claim of Beneficial Use Map
Clackamas County

Permit No. G-13947
Application No. G-15189

THIS MAP IS NOT INTENDED TO
PROVIDE LEGAL DIMENSIONS
OR LOCATIONS OF PROPERTY
OWNERSHIP LINES.

Map Date: November 29, 2011

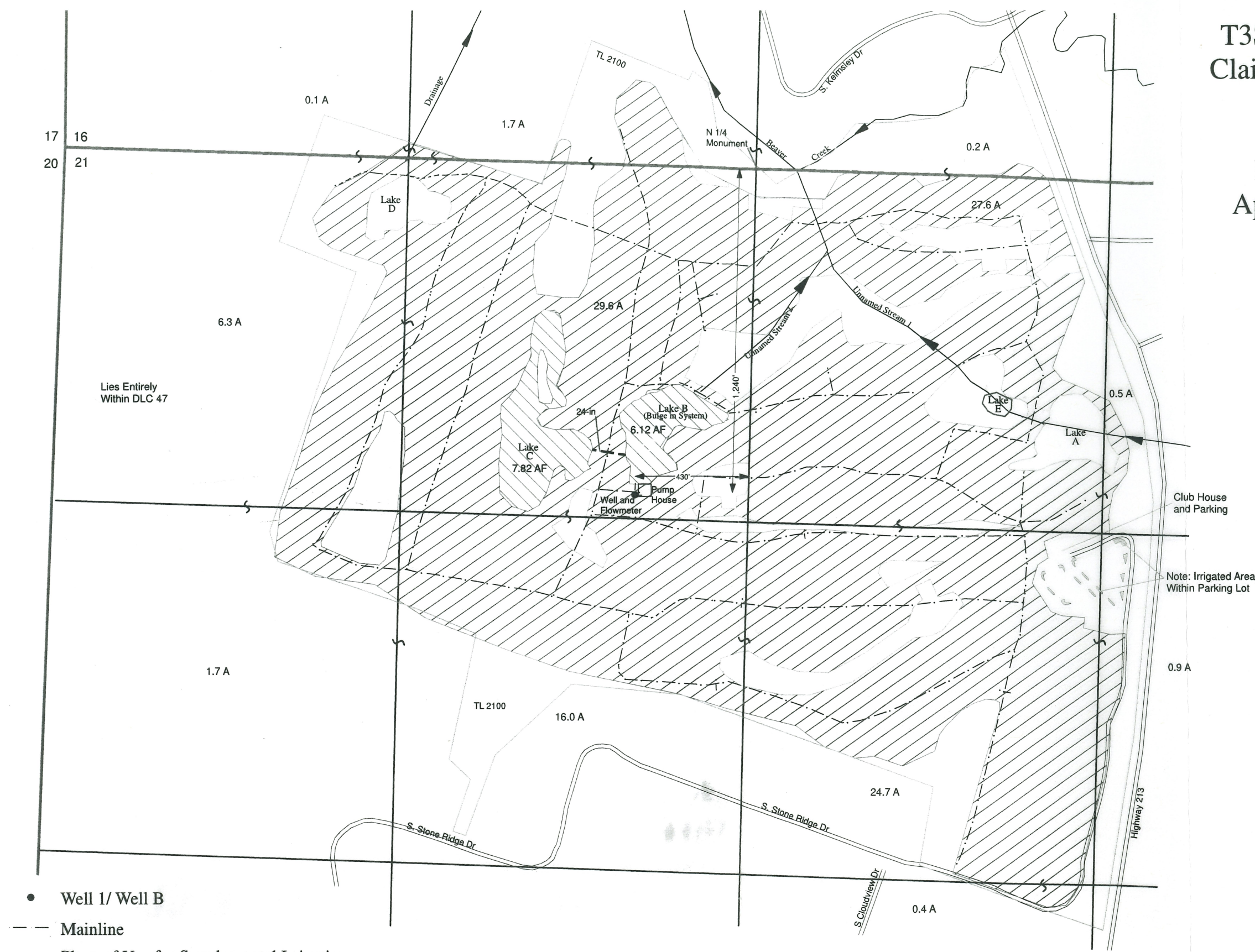
Site Inspection of Well and
Irrigated Areas Conducted
August 13, 2009
December 17, 2009, and
September 27, 2011



1 inch = 400 feet

FIGURE 1

STONE CREEK GOLF CLUB



- Well 1/ Well B
- Mainline
- Place of Use for Supplemental Irrigation (109.7 Acres)
- Place of Use for Reservoir and Maintenance (Recreation)

Well 1/ Well B (CLAC 56352) located South 21° West 1,305 feet (1,240 ft S and 430 ft W from N¼ corner of Section 21)

COBU MAP # 689

**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

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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

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1. File Information

APPLICATION # (G, R, S or T) G-15189	PERMIT # (IF APPLICABLE) G-13947	PERMIT AMENDMENT # (IF APPLICABLE) T-9279
--	--	---

2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME County of Clackamas/Gary Barth		PHONE No. 503 742 4299	ADDITIONAL CONTACT No. 503 742-4344
ADDRESS 150 Beaver Creek Road			
CITY Clackamas	STATE OR	ZIP 97015	E-MAIL garyBar@co.clackamas.or.us

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.

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

PERMIT OR TRANSFER HOLDER OF RECORD		
County of Clackamas		
ADDRESS		
150 Beaver Creek Road		
CITY	STATE	ZIP
Clackamas	OR	97045

Are there additional permit or transfer holders of record?

NO

4. Date of Site Inspection: August 19, 2009, December 17, 2009, September 27, 2011

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

NAME	DATE	ASSOCIATION WITH THE PROJECT
David Phipps	8/19 and 12/17, 2009 and 9/27/2011	Golf Course Superintendent

6. County: Clackamas

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		
NA		
ADDRESS		
CITY	STATE	ZIP

Are there additional Owners of Record?

NO

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SECTION 2
SYSTEM DESCRIPTION

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A. Points of Diversion/Appropriation

1. Point of diversion/appropriation name or number:

Well B/Well 1	CLAC 56352/Well ID 39490/Start Card 135506, repair CLAC 58312	

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:

Well B/Well 1	Well	

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

Well B/Well 1	Suppl. Irrigation	Turf, trees, shrubs	March 1 to Oct 31	1.37
Well B/Well 1	Suppl. Reservoir Maintenance		March 1 to Oct 31	0.140
Total Quantity of Water Used				1.510

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:

The site is Stone Creek Golf Club that is owned by Clackamas County. Water from Well 1/Well B is used for supplemental irrigation of the turf, trees, and shrubs and to maintain the two reservoirs identified as Lakes B and C.

Claims of Beneficial Use for the golf course reservoirs (Permit R-11390/Application R-70117) and the primary irrigation from surface water (Permit S-51274/Application S-70118) have already been submitted.

Supplemental Irrigation From Well 1/Well B.

Water is pumped from Well 1/Well B (Clac 56352) using a 125-hp submersible pump with a 6-inch-diameter discharge column. At the ground surface, the water is directed horizontally through approximately 10 feet of 6-inch-diameter steel piping that includes an electronic flowmeter sensor. The 6-inch-diameter piping, about 4-feet downstream of the sensor, reduces to 4-inch piping. The reduced piping goes underground and daylights in the bank of Lake B as a 10-inch diameter outfall pipe. The outfall is located near the redirection pump house. The pumping rate from the well can be controlled using a butterfly valve at the well head. The digital readout for the flowmeter is located on the western wall of the redirection pump house, which is located about 20 feet east of the well. Use of the well for supplemental

irrigation typically starts in June or July and the well pumps between 250 and 300 gpm 24 hours a day 7 days a week during peak irrigation.

The redirection pumping system located inside the pump house forwards water to the irrigation system from a stilling well located at the south side of Lake B. The redirection system consists of three 75-hp turbine pumps and a 5-hp pressure maintenance pump. The irrigation system is kept charged at a pressure of 110 psi during the irrigation season. The mainline connects to laterals, and the laterals connect to approximately 1,200 sprinklers of varying sizes that are divided into 17 satellites.

Irrigation occurs primarily between 9 pm and 3 am most nights. The irrigation system is computer driven using Toro Site Pro and T Weather Control software and equipment. The sprinkler system operations can vary each night. The redirection system can apply 2,300 gpm at 120 psi but is typically operated at 110 psi.

Reservoir Maintenance

Although the permit identifies four reservoirs, designated as Ponds A, B, C, and D, to receive water for reservoir maintenance only Ponds B and C receive water from Well 1/Well B. Pond B and C are connected by a pipe and jointly function as a bulge in the system. (In general the ponds are referred to as lakes in the COBU, on the map, and at the site.)

Well Labeling/Drilling Summary

The permit is for two wells, Well A and Well B. What the owner refers to as Well 1/Well B was drilled in 2000 to 1210 feet below ground surface (bgs). The log indicates the well was cased to 830 bgs and then open hole below that and the well produced 500 gpm. In June 2001, Well 1/Well B had performance issues and the yield decreased apparently due to caving. The well was redrilled (using same hole) and reamed from 812 to 1140 feet bgs and five screen intervals were placed as noted on the well log. Then apparently a screen at a depth of approximately 950 feet bgs was damaged and the total well depth could not be determined. Well repairs were completed in fall 2002 and amended well logs note yields from 200 to 60 gpm (CLAC 58312 and CLAC 56352 amended). In 2002, T-9729 was approved to change the location of Well B, the inferred reason for this is the reduced yield would require a complete new Well B be drilled. In 2003 a second well, identified as Well A, was drilled, but it had an even smaller yield (estimated at 30 gpm by the golf course superintendent) so it was not developed for a beneficial use under this permit. During these activities a time extension was requested in case a third well would have to be drilled; a third well was not drilled. In summary, with regard to well location, the T-9729 location was never developed and Well 1/Well B was developed in essentially the location depicted on the permit and transfer maps.

Subsequently, the groundwater right was converted to the supplemental right and the surface water right was utilized as the primary right. Convention and annual water level reports have identified Well B as Well 1 (CLAC 56352), which is currently in use and has an original drill depth of 1210 feet bgs and was drilled in 2000. Currently the pump intake is reported to be set at 765 feet bgs. If an initial static water level was reported prior to November 2002 it should be updated with a post 11/2002 static water level. Well A was drilled in 2003, has a total depth of 1230 feet and at the time of the 2011 site visit it was welded shut.

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SECTION 2

SYSTEM DESCRIPTION (B through H)

Are there multiple PODs or POAs?

NO

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):

The permit is for a Well A and Well B. Two wells were drilled but only the well identified as Well 1/Well B has been developed for beneficial use.

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B. Place of Use

1. Is the right for municipal use?

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
3 S	2E	WM	16	SW SW			Suppl IR		0.1
				SE SW			Suppl IR		1.7
				SW SE			Suppl IR		0.2
3 S	2E	WM	21	NE NE			Suppl IR		0.5
				NW NE			Suppl IR		27.6
				SW NE			Suppl IR		24.7
				SE NE			Suppl IR		0.9
				NE NW			Suppl IR		29.6
				NW NW			Suppl IR		6.3
				SW NW			Suppl IR		1.7
				SE NW			Suppl IR		16.0
				NW SE			Suppl IR		0.4
Total Acres Irrigated									109.7

There is also reservoir maintenance use for Lakes B and C in 3S, 2E, Sec 21 NE1/4 NW1/4

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.

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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
Goulds	7CHC12586C	193020-A	Submersible	6 or 8	6-inch

3. Motor Information

MANUFACTURER	HORSEPOWER
Franklin Electric	125 hp

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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)
125	0 open discharge	655 ft as measured by transducer	5 feet	1.33

5. Provide pump calculations:

Well 1/Well B Pump

$$Q_{\text{pump}} = \frac{(\text{Hp})(\text{conversion factor})}{(\text{pressure} + \text{lift})} = \frac{(125)(7.04)}{660} = \frac{880.0}{660} = 1.33 \text{ cfs (596.9 gpm)}$$

Where:

hp = 125

conversion factor = 7.04

lift = 655 feet from typical summer pumping water level + 5 feet elev lift above ground = 660 ft

pressure = 0 psi

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)
42262510	42264780	7 minutes	324 gpm with approx 180 feet of drawdown

Three Rediversion Pumps and Pressure Maintenance Pump

1. Rediversion Pump 1 information

Brand	Model	Serial Number	Type (centrifugal, turbine or submersible)	Intake size	Discharge size
Flowtronics PSI Pump (4 stage)	12 EMM	9892-1	Turbine	Unknown (in stilling well)	6 inch

2. Rediversion Motor 1 information

Brand	Model	Horsepower	Max RPM	Voltage
US Motor	S 321A	75	1770	230/460

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1. Rediversion Pump 2 information

Brand	Model	Serial Number	Type (centrifugal, turbine or submersible)	Intake size	Discharge size
Flowtronics PSI Pump (4 stage)	12 EMM	9892-2	Turbine	Unknown (in stilling well)	6 inch

2. Rediversion Motor 2 information

Brand	Model	Horsepower	Max RPM	Voltage
US Motor	S 321A	75	1770	230/460

1. Rediversion Pump 3 information

Brand	Model	Serial Number	Type (centrifugal, turbine or submersible)	Intake size	Discharge size
Flowtronics PSI Pump (4 stage)	12 EMM	9892-3	Turbine	Unknown (in stilling well)	6 inch

2. Rediversion Motor 3 information

Brand	Model	Horsepower	Max RPM	Voltage
US Motor	S 321A	75	1770	230/460

1. Rediversion Pressure Booster Pump information

Brand	Model	Serial Number	Type (centrifugal, turbine or submersible)	Intake size	Discharge size
Berkley	None found	None found	Turbine	Unknown (in stilling well)	2 inch

2. Pressure Booster Pump information

Brand	Model	Horsepower	Max RPM	Voltage
Franklin	23243275202	5	3450	230/460

6. Theoretical pump capacity (**EACH REDIVERSION PUMP**)

Horsepower	Operating psi	Lift from source to pump *If a well, the water level during pumping (see pump test results)	Lift from pump to place of use	Total pump output
75	115	5 feet (estimated)	15 feet (estimated)	1.69 cfs (EACH)

. Provide pump calculations in the box below:

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Rediversion Pumps (Each)

$$Q_{\text{pump}} = \frac{(\text{Hp})(\text{conversion factor})}{(\text{pressure} + \text{lift})} = \frac{(75)(7.04)}{279.4 + 75} = \frac{528}{354.4} = 1.49 \text{ cfs (approx. 669 gpm) each}$$

Where:

$$\text{hp} = 75$$

$$\text{conversion factor} = 7.04$$

$$\text{lift} = 5 \text{ feet from stilling well to pump} + \text{estimated 70 ft max lift for the golf course} = 75 \text{ ft}$$

$$\text{pressure} = 110 \text{ psi} = 279.4 \text{ ft using 2.54 feet/psi from Claim Form}$$

Pressure Maintenance Pump (does not operate concurrently with rediversion pumps)

$$Q_{\text{pump}} = \frac{(\text{Hp})(\text{conversion factor})}{(\text{pressure} + \text{lift})} = \frac{(5)(7.04)}{279.4 + 75} = \frac{35.2}{354.4} = 0.1 \text{ cfs (approx. 44.6 gpm)}$$

Where:

$$\text{hp} = 5$$

$$\text{conversion factor} = 7.04$$

$$\text{lift} = 5 \text{ feet from stilling well to pump} + \text{estimated 70 ft maximum lift for the golf course} = 75 \text{ ft}$$

$$\text{pressure} = 110 \text{ psi} = 279.4 \text{ ft using 2.54 feet/psi from Claim Form}$$

There are three 75-hp rediversion pumps so the maximum diversion rate from Lake B/C (bulge in the system) is $(3)(1.49) = 4.47 \text{ cfs (approx. 2,006 gpm based on maximum lift)}$. During typical irrigation only 2 of the rediversion pumps operate $(2)(1.49) = 2.98 \text{ cfs (approx 1,337 gpm)}$

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 inch	160	PVC	Buried
12 inch	1385	PVC	Buried
10 inch	130	PVC	Buried
8 inch	2,106	PVC	Buried
6 inch	7,100	PVC	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
4 inch	10,415	PVC	Buried
2 inch	350	PVC	Buried

10. Sprinkler Information

SIZE	OPERATING PSI	SPRINKLER OUTPUT (gpm)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
Varies	110	1 to 61 gpm	About 1,200	varies	Average 1,000 to 2000 gpm

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

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12. Additional notes or comments related to the system:

The pump in Well 1/Well B can divert a total of 1.33 cfs to Lake B, which is directly connected to Lake C. Both lakes act as a bulge in the system, having a total capacity of approx 13.94 AF of water. The redirection pumps (intake in Lake B) can supply up to 2,300 gpm to the sprinklers but typical supply is on the order of 1,500 gpm. A manufacturer's sticker on the redirection control panel states the system can deliver 2,300 at 120 psi. The specific application rate is determined by the irrigation system software and can vary nightly. **The pump in Well 1/Well B, at 1.33 cfs, is the limiting factor for the irrigation system.**

There is approximately 140 feet of relief on the golf course. The relief across the irrigated portion is closer to 100 feet. Rediversion pumps are located at about the elevation mid point. Calculations were made using the maximum elevation relief to evaluate the most limiting scenario and the rediversion pumps are not a limitation in the system.

Valves on the sprinkler system can allow for water to be diverted to Lakes A and D for maintenance. When the well is being used for supplemental reservoir maintenance water is only pumped to Lakes B and C. Lakes A, D, and E do not receive supplemental reservoir maintenance water.

The amount of water used for reservoir maintenance was based on a per acre-foot ratio from the amount allowed in the original permit. The original permit allowed for 0.339 cfs for maintenance based on 4 ponds storing a total of 33.7 AF. Only Lakes B and C (Reservoirs 3 and 6) receive water under this supplemental permit. Lake B and C, store a total of 13.94 AF of the total 33.7 allowed for these four ponds. Therefore $13.94/33.7 \text{ times } 0.339 \text{ cfs} = 0.140 \text{ cfs}$ of beneficial use for reservoir maintenance.

D. Groundwater Source Information (Well and Sump)

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

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

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

The well has a Mini-Troll pressure transducer system to measure the water level. The well also has an air-line tubing that is reported to extend to 705.8 feet, although there is no gauge. The transducer system, which is accessed through an approx. 1-inch-diameter hole on the wellhead.

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 CLAC 56352, CLAC 56352 Amended logs, and CLAC 58312, all attached.						

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.

The log for Well A (CLAC 59771) is attached. Well A does not provide beneficial use under this permit.

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

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NO

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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.***2. Storage Tank:**

MATERIAL (CONCRETE, FIBERGLASS, METAL, ETC.)	CAPACITY (IN GALLONS)	ABOVE GROUND OR BURIED

3. Bulge in System / Reservoir:

RESERVOIR NAME OR NUMBER (CORRESPOND TO MAP)	APPROXIMATE DAM HEIGHT	APPROXIMATE CAPACITY (IN ACRE FEET)
Lake B and C	8	B=6.12 AF, C=7.82 AF

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?

YES

*If "NO", items 2 through 4 relating to this section may be deleted.***2. Complete the table:**

PIPE SIZE	PIPE TYPE	"C" FACTOR	AMOUNT OF FALL	LENGTH OF PIPE	SLOPE	COMPUTED RATE OF WATER FLOW (IN CFS)
4-inch	PID	140	5 feet	approx 15	33%	1.86

3. Provide calculations:**Note the gravity flow portion of the system is only approx 15 feet from after the butterfly valve to the lake out fall.**

$$v = 1.31 (c) (r^{0.63}) (s^{0.54}) = 1.31(140)(0.083^{0.63})(0.33^{0.54}) = 21.3 \text{ feet per second}$$

$$\text{Area of wetted perimeter} = 0.08727 \text{ square feet}$$

$$\text{Cfs} = (v)(\text{area}) = (21.3)$$

Where:

v = velocity

c=coefficient of roughness = 140

r=hydraulic radius in feet = 0.083 feet

s=slope of energy gradient = 0.33

4. If an actual measurement was taken, provide the following:

DATE OF MEASUREMENT	WHO MADE THE MEASUREMENT	MEASUREMENT METHOD	MEASURED QUANTITY OF WATER (IN CFS)
Not taken			

Attach measurement notes.

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**

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.

2. Does the reservoir require the submittal of as-built plans and specifications? **NO**

If "YES", answer items 3; items 4 through 9 relating to this section may be deleted.

If "NO", skip items 3; answer items 4 through 9.

3. Complete the table:

HAVE THE DOCUMENTS BEEN SUBMITTED? YES OR NO	WHEN WERE THE DOCUMENTS SUBMITTED?	HAVE THEY BEEN APPROVED BY THE DEPARTMENT?	NUMBER OF ACRE FEET STORED
NA			

4. If the reservoir stores less than 9.2 acre-feet of water or if the dam is less than 10 feet in height, and as-built plans and specifications are not required, complete the table and items 5 through 9.

MAXIMUM DEPTH	AVERAGE DEPTH	SURFACE AREA (IN ACRES)	VOLUME (IN ACRE FEET)
Lake B	7 feet	1.8	6.12
Lake C	7 feet	3.1	7.82

5. Provide reservoir volume calculations:

Lake B

Surface area x maximum depth x volume factor = reservoir volume
 $1.8 \text{ acres} \times 8.5 \text{ feet} \times 0.4 = 6.12 \text{ AF}$

Lake C

Approximately 2.1 acres of the southern portion of the lake is up to 9-feet deep. Approximately 1.0 acre of the northern portion of the lake is up to 3-feet deep.

Surface area x maximum depth x volume factor = reservoir volume
 $2.1 \text{ acres} \times 9 \text{ feet} \times 0.35 = 6.62 \text{ AF}$
plus $1.0 \text{ acre} \times 3 \text{ feet} \times 0.4 = \underline{1.20 \text{ AF}}$
Total 7.82 AF

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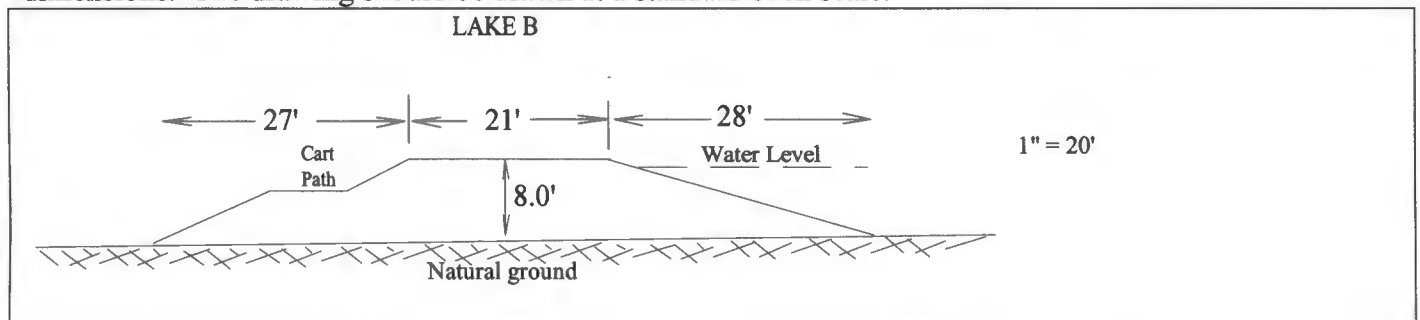
WATER RESOURCES DEPT
SALEM, OREGON WR

LAKE B

6. Provide the following information concerning the physical characteristics of the dam:

CREST WIDTH (W)	DAM HEIGHT AT CENTERLINE (H)	DISTANCE FROM DOWNSTREAM TOP OF DAM TO DOWNSTREAM TOE (L)	DISTANCE FROM UPSTREAM TOP OF DAM TO UPSTREAM TOE (U)	WATER LEVEL AT INSPECTION	DOWN-STREAM SLOPE	UP-STREAM SLOPE
21 feet	8.0 feet	27 feet	28 feet	1 ft below crest	3:1; 1:1 locally	3:1; locally 2:1

7. Provide a drawing showing the cross section of the dam at the maximum section indicating details and dimensions. The drawing should be drawn at a standard even scale.

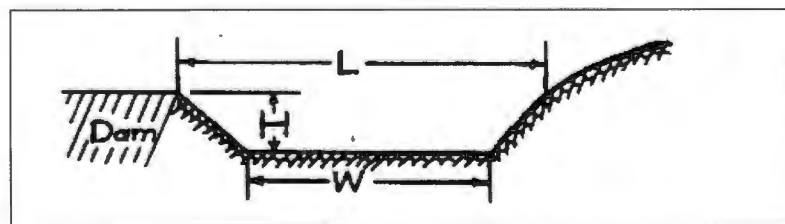


8. Describe the outlet works (size and type of the outlet conduit and location):

The lake appears to have a 24-inch-diameter concrete outlet pipe (brush and boulders obscure the outlet pipe and it is also partially filled with silt so a measurement was difficult). The inlet end of the pipe is inside a concrete vault protected with a trash rack. The outlet does not have any control valves or gates.

9. Describe the emergency spillway (dimensions and location):

BOTTOM WIDTH (W)	TOP WIDTH (L)	SPILLWAY DEPTH (H)
12 FEET	21 FEET	½ FEET



LAKE C

6. Provide the following information concerning the physical characteristics of the dam:

CREST WIDTH (W)	DAM HEIGHT AT CENTERLINE (H)	DISTANCE FROM DOWNSTREAM TOP OF DAM TO DOWNSTREAM TOE (L)	DISTANCE FROM UPSTREAM TOP OF DAM TO UPSTREAM TOE (U)	WATER LEVEL AT INSPECTION	DOWN-STREAM SLOPE	UP-STREAM SLOPE
No dam, lake is excavated.						

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7. Provide a drawing showing the cross section of the dam at the maximum section indicating details and dimensions. The drawing should be drawn at a standard even scale.

No dam, lake is excavated.

8. Describe the outlet works (size and type of the outlet conduit and location):

Lake C is reported to have a buried 24-inch-diameter outlet pipe connected to Lake B. This pipe, which does not have any control valves or gates, allows Lake C to be in dynamic equilibrium with Lake B. Lake B has a spillway.

9. Describe the emergency spillway (dimensions and location):

BOTTOM WIDTH (W)	TOP WIDTH (L)	SPILLWAY DEPTH (H)
SEE LAKE B		

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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	5/31/2001		
BEGIN CONSTRUCTION (A)	None	10/2000	Well Drilling
COMPLETE CONSTRUCTION (B)	None	2003	Construction initially completed in 2001 but well failures resulted in alteration/extension so final system completed in 2004
COMPLETE APPLICATION OF WATER (C)	10/2005	2004	Complete application of water for irrigation and maintenance or reservoirs.

* 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)? YES

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

3. If for a transfer extension order, provide the following information:

VOLUME	PAGE	DATE EXTENDED TO
Not Known, dated April 20, 2005		10/01/2014

4. Initial Water Level Measurements:

a. Was the water user required to submit an initial static water level measurement? YES

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

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

Not Specified

c. Was the measurement submitted to the Department? UNKNOWN

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Subsequent well failure and alteration would have required a new initial static measurement taken after 11/2002. There is a 04/01/2003 water level measurement but the status of the well at that time is unknown and it is not known if the well had been completely developed since repairs were completed in late 2002. In 2004 the golf course superintendent took water level measurements in January, February, March, April, and May as noted below.

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

DATE OF MEASUREMENT	MEASUREMENT MADE BY	METHOD	MEASUREMENT
Representative static measurement after well repairs.			
1,2,3,4,5/2004	Dave Phipps (Superintendent)	E-tape	295.8
3/08/2005	James E Luzier	E-tape	295.81
3/31/2005	James E Luzier	E-tape	297.40

5. Annual Static Water Level Measurements:

a. Was the water user required to submit annual static water level measurements? **YES**

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

b. Provide the month in which the static water level measurement was to be made:

March

c. Were the static water level measurements taken in the month required? **YES**

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

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

DATE OF MEASUREMENT	MEASUREMENT MADE BY	METHOD	MEASUREMENT

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? **NOT KNOWN**

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**

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c. Meter Information

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POD/POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
Well1/Well B	Data Industrial		Working	75,335,220 (9/27/2011)	Winter 2002

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

Not Applicable

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?

SOME

METHOD OF SUBMITTING REPORT (PAPER OR ELECTRONIC)	WATER USED REPORTING ID
Paper	1299

If the reports have not been submitted, attach a copy of the reports if available. **Water use information from 2005 to 2011 is attached. It appears some reporting has been submitted but it potentially has been assigned to the wrong POD.**

9. Fish Screening

a. Are any points of diversion required to be screened to prevent fish from entering the point of diversion?

NO

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."*)

The permit allowed for two points of diversion, only Well 1/B was developed. The actual location of Well B is in close proximity to the location on the permit map, not the permit amendment location (T-9729). In addition, the descriptive location of Well B in the permit and transfer does not appear to be consistent with the map locations. The actual location is consistent with the relative location as shown on the maps, the reason for the inconsistency is not known. Although Well A was drilled it was not developed for beneficial use.

T-9729 appears to have been submitted in 2002 to amend the location of Well B, in anticipation of redrilling, after it failed. Instead Well B was repaired and Well A (drilled in 2003) was drilled. As noted above Well A was not beneficially developed under this permit.

The permit allowed for development of 121.32 acres for irrigation and reservoir maintenance for Lakes A, B, C, and D. The actual beneficial use is for 109.7 acres of supplemental irrigation and reservoir maintenance for Lakes B and C.

It appears some records have POD location Well A and Well B confused. Owner -identified Well 1 is Well B. Although Well A was drilled it is not in use under this permit. Water use reporting records on file with WRD appear to require correction. The initial static water level reading for Well B should be post alteration.

The permit extension indicated a third well was to be drilled. This did not occur.

SECTION 5 ATTACHMENTS

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

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Attachment Name	Description
Attachment 1	Well Logs
Attachment 2	Pump Test
Attachment 3	Water Use Reports
Attachment 4	System Information (pump calcs, piping/sprinklers, irrigation map)
Attachment 5	Water Right Information (permit, transfer, and maps)
Attachment 6	Tax Lot and DLC Map

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SECTION 6

CLAIM SUMMARY

WATER RESOURCES DEPT
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SALEM, OREGON

POD / POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
Well 1/Well B	1.52	1.33	See attached water use reports	Irrigation	121.32	109.7
Well 1/Well B	0.339	0.140		Reservoir Maintenance		

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 base map was developed from a CAD drawing provided by Clackamas County and a Farm Service Agency National Agricultural Imagery Program 0.5 meter digital orthoquad photograph taken between June 29 and August 15, 2005. The map was tied to the T3S, R2E, Section 21 N¼ monument using a Magellan Map 330 GPS unit during an August 27, 2008 site inspection for a Claim of Beneficial Use for Permit S-51274 (Application S-70118).



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
- ☒ Disclaimer (“This map is not intended to provide legal dimensions or locations of property ownership lines”)
- ☒ Application and permit number or transfer number
- ☒ North arrow
- ☒ Legend
- ☒ CWRE stamp and signature

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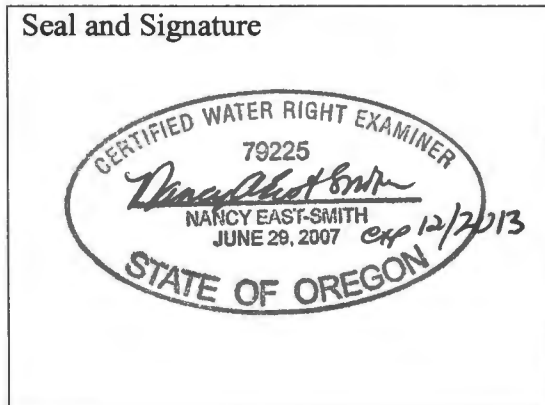
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SALEM, OREGON**

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.



CWRE NAME Nancy A East Smith		PHONE NO. 503 860 9658		ADDITIONAL CONTACT NO.	
ADDRESS PO Box 80762					
CITY Portland	STATE OF	ZIP 97280-1762	E-MAIL nanciesmith@h2ogeo.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
	GARY BARTH	4/15/12

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Permit No. G-13947
Application No. G-15189

Map Date: November 29, 2011

September 27, 2011
 CERTIFIED EXAMINER
 79225
Nancy East Smith
 NANCY EAST-SMITH
 JUNE 29, 2007
 12/2013
 STATE OF OREGON

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FIGURE 1

[illegible]

Well 1/ Well B (CLAC 56352) located South 21° West 1,305 feet (1,240 ft S and 430 ft W from N¼ corner of Section 21)

1 inch = 400 feet

ATTACHMENT 1
Well Logs
(Well B, Well B-Amended, Well B-Amended, Well B-Repair,
and Well A)

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WATER RESOURCES DEPT
SALEM, OREGON

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

AMENDED COPY

CLAC 56352

WELL ID # 39490

(START CARD) # 135506

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

(1) OWNER: Well Number: 690
Name Golf Solutions LLC
Address PO Box 2980
City Oregon City State OR Zip 97045

(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 1210 ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE				SEAL			
Diameter	From	To	Material	From	To	Amount	Amount
20	0	19	cement	0	19	15 sacks	
16	19	800	cement	40	800	300 sacks	
12	800	940					
8	940	1210					

How was seal placed Method ☐ A ☐ B ☒ C ☒ D ☐ E
☐ Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:
Casing Diameter From To Gauge Steel Plastic Welded Threaded
16 +1.5 21 .312 ☒ ☐ ☒ ☐
12 0 500 .250 ☒ ☐ ☒ ☐
12 500 800 .312 ☒ ☐ ☒ ☐
Liner _____
Final location of shoe(s) 800

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

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Baller ☒ Air ☐ Flowing Artesian
Yield gal/min Drawdown Drill stem at Time
0
0
200 940 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 Clackamas Latitude _____ Longitude _____
Township 3S N or S Range 2E E or W. of WM.
Section 21 SE 1/4 NW _____
Tax Lot 0790 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address):
21011 S. HWY 213

(10) STATIC WATER LEVEL:
310 ft. below land surface. Date 10/25/00
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 60

From	To	Estimated Flow Rate	SWL
60	80	25	35
200	240	500	90
320	340	200	90
900	930	200	310

(12) WELL LOG:
Ground elevation _____

Material	From	To	SWL
Clay, Brown	0	15	
Basalt, Gray	15	45	
Clay, Red	45	60	
Claystone, Brown	60	80	35
Claystone, Gray	80	200	
Sandstone, Gray	200	240	90
Claystone, Light Gray	240	300	
Claystone, Gray & Green	300	320	
Sandstone, Gray	320	340	90
Claystone, Gray & Green	340	480	
Claystone, Green & Gray; some wood	480	600	
Claystone, Gray & Green	600	770	
Claystone, Green; softer	770	810	
Claystone, Gray; hard	810	900	
Sandstone, Gray; hard	900	930	310
Claystone, Gray; hard	930	1210	

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WATER RESOURCES DEPT.
SALEM, OREGON

Date started 9/12/00 Completed 10/25/00

(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 my best knowledge and belief.

Signed _____ WWC Number _____
Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Signed Rodney C. Galt WWC Number 0623
Date 4/29/03

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WATER RESOURCES DEPT.
SALEM, OREGON

STATE OF OREGON
WATER SUPPLY WELL REPORT

(as required by ORS 637.765)

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

CLAC 56352

CLAC 56352

AMENDED COPY

WELL ID # 39490

(START CARD) # 135506

(1) OWNER:

Well Number: 690

Name **Golf Solutions LLC**

Address **Po Box 2980**

City **Oregon City** State **OR** Zip **97045**

(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 **1210** ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE			SEAL			Amount	
Diameter	From	To	Material	From	To	sacks or pounds	
20	0	19	cement	0	19	15 sacks	
16	19	800	cement	40	800	300 sacks	
12	800	940					
8	940	1210					

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:	16	+1.5	21	.312	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	0	500	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	500	800	.312	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) **800**

(7) PERFORATIONS/SCREENS:

☐ Perforations

☐ Screens

Method

Type

Material

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

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

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

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

200		940	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 **Clackamas** Latitude _____ Longitude _____
Township **3S** N or S. Range **2E** E or W. of WM.
Section **21** **SE** **1/4** NW **1/4**
Tax Lot **0790** Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address)
21011 S. HWY 213

(10) STATIC WATER LEVEL:

320 ft. below land surface. Date **10/25/00**
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found **60**

	From	To	Estimated Flow Rate	SWL
	60	80	25	35
	200	240	500	90
	320	540	200	90

(12) WELL LOG:

Ground elevation _____

Material	From	To	SWL
Clay, Brown	0	15	
Basalt, Gray	15	45	
Clay, Red	45	60	
Claystone, Brown	60	80	35
Claystone, Gray	80	200	
Sandstone, Gray	200	240	90
Claystone, Light Gray	240	300	
Claystone, Gray & Green	300	320	
Sandstone, Gray	320	340	90
Claystone, Gray & Green	340	480	
Claystone, Green & Gray; some wood	480	600	
Claystone, Gray & Green	600	770	
Claystone, Green; softer	770	810	
Claystone, Gray; hard	810	900	
Sandstone, Gray; hard	900	930	320
Claystone, Gray; hard	930	1210	

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WATER RESOURCES DEPT.
SALEM, OREGON

Date started **9/12/00** Completed **10/25/00**

(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 my best knowledge and belief.

Signed _____ WWC Number _____
Date _____

(bonded) Water Well Constructor Certification:

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

Signed **Paul C. Ed** WWC Number **663**
Date **10/5/01**

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SECOND COPY - CONSTRUCTOR

THIRD COPY - CUSTOMER

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STATE OF OREGON
WATER SUPPLY WELL REPORT
 (as required by ORS 537.765)
 WATER RESOURCES DEPT.
 SALEM, OREGON

(WELL I.D.#) **L 39490**
 (START CARD) # **W143362**

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

(1) OWNER: Well Number **Stonecreek A**
 Name **Clackamas County**
 Address **14603 S. Stoneridge Dr.**
 City **Oregon City** State **OR** Zip **97045**

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

(3) DRILL METHOD:
☐ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☒ Other **Reverse Circulation rotary**

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

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

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	
12	-812	1140	not changed			

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☐ Other _____
 Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from **-807** ft. to **1140** ft. Size of gravel **CS1 10x20**

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	12	+3.7	-812		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	*existing				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From		To		Type		Material		Casing	Liner
see	(12)	Slot size	Number	cont.	Diameter	PS	Size		
		.035			6			<input type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>

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

Yield gal/min	Drawdown	Drill stem at	Time
60	-85	755	1 hr.
60	-90	755	2 hr

Temperature of water **- 60F** 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 **Clackamas** Latitude _____ Longitude _____
 Township **3** S Range **2** E WM.
 Section **21** SE 1/4 NW 1/4
 Tax Lot **2190** Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) **21011 S. Hwy 213**
Oregon City, OR 97045

(10) STATIC WATER LEVEL:
280 ft. below land surface. Date **10/14/02**
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found **SWL**

From	To	Estimated Flow Rate	SWL
n/a - no additional	hole drilled		

(12) WELL LOG: Ground Elevation _____

Material	From	To	SWL
Reference CLAC 56352			
No additional hole drilled.			
Hole had caved in. We redrilled & reamed			
from -812' to 1140' with a 12" bit. Then			
installed screen assembly & filter pack.			
Top screen is damaged. Attempts to re-			
pair have been unsuccessful to date.			
Screen Assembly (all 6" pipe size):			
Screen	-807	918	
Blank .25 wall mild steel	918	938	
Screen	938	959	
Blank .25 wall mild steel	959	979	
Screen	979	1020	
Blank .25 wall mild steel	1020	1040	
Screen	1040	1061	
Blank .25 wall mild steel	1061	1086	
Screen	1086	1113	
Blank .25 wall mild steel	1113	1133	
Total well depth could not be determined			
because of damaged screen. is <950'.			

Date started **7/8/02** Completed **10/14/02**

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

Signed _____ WWC Number **1797**
 Date **11/12/02**

(bonded) Water Well Constructor Certification:
 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction data reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

Signed _____ WWC Number **649**
 Date **11/12/02**

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STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)WATER RESOURCES DEPT
SALEM, OREGON

(WELL I.D.)# L 158712

(START CARD) # 156527

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

(1) OWNER:

Well Number StoneCreek#2Name Clackamas CountyAddress 9101 SE Sunnybrook BlvdCity ClackamasState ORZip 97015

(2) TYPE OF WORK

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

(3) DRILL METHOD:

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

(4) PROPOSED USE:

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

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☒ Yes ☐ No Depth of Completed Well 1230 ft.Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE

SEAL

Diameter	From	To	Material	From	To	Sacks or pounds
19"	0	801'	Cement	0	360	315 sacks
12"	801	1230'	Cement	751	801	44 sacks
				950	965	8 sacks

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E☒ Other Inside out through bottom of casing (Middle Seal)Backfill placed from 965 ft. to 980 ft. Material Gravel/Sand

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

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 14"	+1	801'	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12"	+1.5	960'	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8"	944	1227	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 12"-960', 8"-1227.1'

(7) PERFORATIONS/SCREENS:

☒ Perforations Method Factory☐ Screens

Type _____

Material steel

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
974.4'	1053.7			8"		<input checked="" type="checkbox"/>	<input type="checkbox"/>
1065.7	1149.2			8"		<input checked="" type="checkbox"/>	<input type="checkbox"/>
1165.3	1227.1			8"		<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing
Yield gal/min _____ Drawdown _____ Drill stem at _____ Time _____

35 gpm	400'		2 hrs
--------	------	--	-------

Temperature of water 57 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 Clackamas Latitude _____ Longitude _____Township 3 S Range 2 E W.M.Section 21 SE 1/4 NW 1/4Tax Lot 2100 Lot _____ Block _____ Subdivision _____Street Address of Well (or nearest address) 14603 S. Stone Ridge Dr.,Oregon City, OR

(10) STATIC WATER LEVEL:

340 ft. below land surface. Date 9-12-03

Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 850' (mud rotary drilling in upper hole)

From	To	Estimated Flow Rate	SWL
850	856	Reverse Circ Drilling	
1003	1023	Hole flooded, estimate	
1130	1151	unavailable-see well	
1211	1220	test below.	

(12) WELL LOG:

Ground Elevation _____

Material	From	To	SWL
brown clay	0	19	
gray sandstone	19	51	
brown & red clay	51	64	
brown clay w/ claystone	64	121	
gray / red clay	121	138	
red claystone	138	163	
gray clay	163	197	
gray clay w/ coarse sand	197	215	
gray clay w/ fine sand	215	230	
gray clay	230	251	
green clay w/ claystone	251	290	
gray clay	290	380	
green clay w/ coarse sand	380	430	
gray/green clay w/ sand	430	506	
gray green clay w/ wood	506	573	
gray/green clay	573	670	
sand, coarse to medium w/ gray clay	670	710	
black coarse to med. sand, gray clay w/ wood	710	779	
gray clay	779	801	
SEE ATTACHMENT FOR REMAINDER			

Date started 6-5-03Completed 10/30/03

(unbonded) Water Well Constructor Certification:

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

Signed _____ WWC Number 1523
Date 11/30/03

(bonded) Water Well Constructor Certification:

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

Signed _____ WWC Number 1464
Date 11/30/03

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Well A

Stone Creek Well # 2
Continuation of Subsurface Materials

Material	From	To
Sandstone	805	810
pea gravels / grey clay	810	832
Grey clay stone	832	835
Grey sandy siltstone	835	838
Green/grey siltstone (Med.)	838	843
Grey/ brown fractured siltstone	843	850
Siltstone w/ sand – pea gravels	850	856
Packed sand (med.)	856	871
Sand/ pea gravel packed w/ clay lenses	871	889
Grey silt w/ wood	889	891
Siltstone w/ sticky clay grey	891	930
Grey/brown silty clay	930	960
Basalt grey	960	979
Basalt decomposed	979	995
Med/hard weathered basalt grey	995	1003
Fractured vesicular basalt grey	1003	1023
Soft Basalt / brown clay	1023	1061
Grey basalt – hard	1061	1069
Grey basalt – med/hard	1069	1094
Grey basalt w/ pin holes	1094	1130
Grey vesicular basalt – soft	1130	1151
Grey basalt w/ seems of brown clay	1151	1166
Grey basalt – med.	1166	1178
Broken grey basalt	1178	1185
Grey basalt – med/hard	1185	1205
Weathered basalt – med	1205	1211
Broken basalt	1211	1216
Cubed basalt – caving	1216	1230

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ATTACHMENT 2
Pump Test
(Submitted to WRD on December 1, 2010)

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LETTER OF TRANSMITTAL

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

DATE: 12/01/10	JOB NO.: 10152.002
ATTENTION: Ann Reece	
RE: Pump Test Submittal	
FROM: Nancy A. East Smith	

WE ARE SENDING YOU

- | | | |
|---|--|---|
| <input type="checkbox"/> Report | <input checked="" type="checkbox"/> Attached | <input type="checkbox"/> Under separate cover via _____ |
| <input type="checkbox"/> Draft Report | <input type="checkbox"/> Letter | <input type="checkbox"/> Cost Estimate |
| <input type="checkbox"/> Copy of Report | <input type="checkbox"/> Draft Letter | <input type="checkbox"/> Master Services Agreement |
| <input type="checkbox"/> Figure(s) | <input type="checkbox"/> Copy of Letter | <input type="checkbox"/> Work Order |
| <input type="checkbox"/> _____ | <input type="checkbox"/> Table(s) | <input type="checkbox"/> Change Order |

ORIGINALS	DATE	COPIES	DESCRIPTION
1	11/30/2010		Application G-15189, Permit G-13947 - Pump Test Form Cover Sheet and Pumping Test Data Sheet

THESE ARE TRANSMITTED as checked below:

- | | |
|--|--|
| <input checked="" type="checkbox"/> For approval | <input type="checkbox"/> For review and comment |
| <input type="checkbox"/> For your use | <input type="checkbox"/> For your signature and return |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Returning <i>EnviroLogic Resources</i> signed copy to you |

REMARKS

Ann,

Attached is the pump test information for Clackamas County/Stone Creek Golf Club. Please call me at (503) 768-5121 if you have any questions.

COPY TO: Dave Phipps-Stone Creek Golf Club; Gary Barth-Clackamas County

SIGNED: _____

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SALEM, OREGON

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WATER RESOURCES DEPT
SALEM, OREGON

Oregon Water Resources Department
PUMP TEST FORM COVER SHEET

Well Owner:

Name: Clackamas County
Address: 150 Beaver Creek Road
County: Clackamas
City: Oregon City State: OR Zip: 97045
Original owner (from well log): Golf Solutions LLC

Well Location:

Township: 3 S Range: 2 E
Section: 21 $\frac{1}{4}$ NW $\frac{1}{16}$ NE $\frac{1}{64}$ SE
Well depth: 1,210 Date drilled: 10.25.2000
Owners well no. (if any): Well 1
POD ID: Well 2

Water Right Information:

Application: G15189 Permit: G13947 Certificate: _____
Is this well listed on more than one water right? ☐ Yes If yes, list additional water rights below:
Application: _____ Permit: _____ Certificate: _____
Application: _____ Permit: _____ Certificate: _____

Pump Test:

Test Conducted by: Melania Boclanowski under supervision of Tom Calabrese, CWRE Well Owner? ☐ Yes
Company: EnviroLogic Resources, Inc.
Address: PO Box 80762 Date of Test: 02/26/2010
City: Portland State: OR Zip: 97280
Daytime phone: 503-768-5121

Method of discharge measurement (see our brochure for more information): Flow meter
Method of water-level measurement (pick one or enter other method used): Transducer
Length of air line (if used): _____

Pump type (pick one or enter other method used): Submersible
Was the pump test conducted during normal use of the well? ☐ Yes Note: No

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? ☐ Yes Note: No
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 $\frac{1}{4}$ mile of the tested well? ☒ Yes If yes, give approximate distance from the well and approximate elevation difference between the surface water and the well head. Approx. distance: 20 ft Approx. elevation difference: 10 ft

Well elevation is below surface water body. This is a constructed reservoir. Nearest natural water body is an unnamed stream approx 1,120 feet away and elev. difference of 10 feet lower.

Description of measuring point (e.g. top port of 1 inch port pipe, west side) 1 1/4" pipe on west side of casing (access port to dedicated transducer).

Measuring point distance below land surface 804.5 feet.

Static water level measurements: (A minimum of three measurements are required in the hour before pumping begins at no less than 20 minutes apart):

Time	Depth to water below meas. point	Depth to water below land surface
<u>8:01 am</u>	_____	<u>303.4</u>
<u>8:21 am</u>	_____	<u>303.4</u>
<u>8:41 am</u>	_____	<u>303.4</u>

Discharge measurements: (A discharge measurement is required at the start of pumping and at least once an hour during the test; additional measurements should be noted on the Pump Test Data Sheet):

Time	Discharge Rate	Discharge Units (e.g. gpm, cfs, etc)
<u>9:10 am</u>	<u>337</u>	<u>gpm (gallons per minute)</u>
<u>10:05 am</u>	<u>300</u>	<u>gpm (gallons per minute)</u>
<u>11:05 am</u>	<u>307</u>	<u>gpm (gallons per minute)</u>
<u>12:05 pm</u>	<u>292</u>	<u>gpm (gallons per minute)</u>
<u>1:05 pm</u>	<u>290</u>	<u>gpm (gallons per minute)</u>

Time pump turned on: _____ Date 02/26/2010 Time 9:05 am
Time pump turned off: _____ Date 02/26/2010 Time 1:05 pm
Total pumping time: 4 hours 0 minutes

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

Additional forms can be obtained from our web site at: <http://www.wrd.state.or.us>

OWRD 2/9/2000

Required Signature: _____

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PUMP TEST DATA SHEET

Application: G-15189 Permit: G-13947 Certificate: NA Pod_Id: Well 2

Recovery Data

[illegible]

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OWRD 2/9/2000

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SALEM OREGON

Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	8:02:00	0	0	217.194	303.4	42269170	Measured using a dedicated transducer below the surface Well had been shut off since January 1, 2010
2/26/2010	8:03:00	0	0	217.194	303.4		
2/26/2010	8:04:00	0	0	217.194	303.4		
2/26/2010	8:05:00	0	0	217.194	303.4		
2/26/2010	8:06:00	0	0	217.194	303.4		
2/26/2010	8:07:00	0	0	217.196	303.4		
2/26/2010	8:08:00	0	0	217.196	303.4		
2/26/2010	8:09:00	0	0	217.196	303.4		
2/26/2010	8:10:00	0	0	217.196	303.4		
2/26/2010	8:11:00	0	0	217.187	303.4		
2/26/2010	8:12:00	0	0	217.196	303.4		
2/26/2010	8:13:00	0	0	217.196	303.4		
2/26/2010	8:14:00	0	0	217.196	303.4		
2/26/2010	8:15:00	0	0	217.196	303.4		
2/26/2010	8:16:00	0	0	217.194	303.4		
2/26/2010	8:17:00	0	0	217.194	303.4		
2/26/2010	8:18:00	0	0	217.194	303.4		
2/26/2010	8:19:00	0	0	217.194	303.4		
2/26/2010	8:20:00	0	0	217.194	303.4		
2/26/2010	8:21:00	0	0	217.194	303.4		
2/26/2010	8:22:00	0	0	217.194	303.4		
2/26/2010	8:23:00	0	0	217.194	303.4		
2/26/2010	8:24:00	0	0	217.194	303.4		
2/26/2010	8:25:00	0	0	217.194	303.4		
2/26/2010	8:26:00	0	0	217.194	303.4		
2/26/2010	8:27:00	0	0	217.194	303.4		
2/26/2010	8:28:00	0	0	217.203	303.4		
2/26/2010	8:29:00	0	0	217.196	303.4		
2/26/2010	8:30:00	0	0	217.196	303.4		
2/26/2010	8:31:00	0	0	217.205	303.4		
2/26/2010	8:32:00	0	0	217.196	303.4		
2/26/2010	8:33:00	0	0	217.205	303.4		
2/26/2010	8:34:00	0	0	217.196	303.4		
2/26/2010	8:35:00	0	0	217.194	303.4		
2/26/2010	8:36:00	0	0	217.196	303.4		
2/26/2010	8:37:00	0	0	217.196	303.4		
2/26/2010	8:38:00	0	0	217.205	303.4		
2/26/2010	8:39:00	0	0	217.194	303.4		
2/26/2010	8:40:00	0	0	217.203	303.4		
2/26/2010	8:41:00	0	0	217.194	303.4		
2/26/2010	8:42:00	0	0	217.194	303.4		
2/26/2010	8:43:00	0	0	217.194	303.4		
2/26/2010	8:44:00	0	0	217.203	303.4		
2/26/2010	8:45:00	0	0	217.203	303.4		
2/26/2010	8:46:00	0	0	217.203	303.4		

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SALEM, OREGON

Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	8:47:00	0	0	217.196	303.4		
2/26/2010	8:48:00	0	0	217.203	303.4		
2/26/2010	8:49:00	0	0	217.194	303.4		
2/26/2010	8:50:00	0	0	217.205	303.4		
2/26/2010	8:51:00	0	0	217.203	303.4		
2/26/2010	8:52:00	0	0	217.196	303.4		
2/26/2010	8:53:00	0	0	217.196	303.4		
2/26/2010	8:54:00	0	0	217.196	303.4		
2/26/2010	8:55:00	0	0	217.196	303.4		
2/26/2010	8:56:00	0	0	217.205	303.4		
2/26/2010	8:57:00	0	0	217.196	303.4		
2/26/2010	8:58:00	0	0	217.196	303.4		
2/26/2010	8:59:00	0	0	217.205	303.4		
2/26/2010	9:00:00	0	0	217.196	303.4		
2/26/2010	9:01:00	0	0	217.205	303.4		
2/26/2010	9:02:00	0	0	217.205	303.4		
2/26/2010	9:03:00	0	0	217.196	303.4		
2/26/2010	9:04:00	0	0	217.205	303.4		
2/26/2010	9:05:00	0	0	217.205	303.4		Start Pumping at 9:05
2/26/2010	9:06:00	1	0	195.239	354.1		
2/26/2010	9:07:00	2	0	177.126	395.9		
2/26/2010	9:08:00	3	0	164.378	425.3	42270210	
2/26/2010	9:09:00	4	0	155.092	446.7	42270540	
2/26/2010	9:10:00	5	0	148.107	462.8		
2/26/2010	9:11:00	6	0	142.824	475.0		
2/26/2010	9:12:00	7	0	138.699	484.5		
2/26/2010	9:13:00	8	0	135.439	492.0		
2/26/2010	9:14:00	9	0	132.768	498.2		
2/26/2010	9:15:00	10	0	130.528	503.4	42270570	
2/26/2010	9:16:00	11	0	128.637	507.7		
2/26/2010	9:17:00	12	0	127.059	511.4		
2/26/2010	9:18:00	13	0	125.709	514.5		
2/26/2010	9:19:00	14	0	124.534	517.2		
2/26/2010	9:20:00	15	0	123.478	519.6		
2/26/2010	9:21:00	16	0	122.55	521.8		
2/26/2010	9:22:00	17	0	121.659	523.8		
2/26/2010	9:23:00	18	0	120.867	525.7		
2/26/2010	9:24:00	19	0	120.104	527.4		
2/26/2010	9:25:00	20	0	119.394	529.1		
2/26/2010	9:26:00	21	0	118.722	530.6		
2/26/2010	9:27:00	22	0	118.077	532.1		
2/26/2010	9:28:00	23	0	117.488	533.5		
2/26/2010	9:29:00	24	0	116.897	534.8		
2/26/2010	9:30:00	25	0	116.353	536.1		
2/26/2010	9:31:00	26	0	115.846	537.2	42277550	
2/26/2010	9:32:00	27	0	115.32	538.5		
2/26/2010	9:33:00	28	0	114.803	539.6		
2/26/2010	9:34:00	29	0	114.331	540.7		

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Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	9:35:00	30	0	113.869	541.8	42278760	
2/26/2010	9:36:00	31	0	113.398	542.9		
2/26/2010	9:37:00	32	0	112.964	543.9		
2/26/2010	9:38:00	33	0	112.538	544.9		
2/26/2010	9:39:00	34	0	112.131	545.8		
2/26/2010	9:40:00	35	0	111.733	546.7		
2/26/2010	9:41:00	36	0	111.335	547.7		
2/26/2010	9:42:00	37	0	110.938	548.6		
2/26/2010	9:43:00	38	0	110.576	549.4		
2/26/2010	9:44:00	39	0	110.216	550.2		
2/26/2010	9:45:00	40	0	109.854	551.1	42281890	
2/26/2010	9:46:00	41	0	109.502	551.9		
2/26/2010	9:47:00	42	0	109.15	552.7		
2/26/2010	9:48:00	43	0	108.799	553.5		
2/26/2010	9:49:00	44	0	108.485	554.2		
2/26/2010	9:50:00	45	0	108.169	555.0		
2/26/2010	9:51:00	46	0	107.836	555.7		
2/26/2010	9:52:00	47	0	107.531	556.4		
2/26/2010	9:53:00	48	0	107.225	557.1		
2/26/2010	9:54:00	49	0	106.919	557.8		
2/26/2010	9:55:00	50	0	106.642	558.5	42284980	
2/26/2010	9:56:00	51	0	106.354	559.1		
2/26/2010	9:57:00	52	0	106.049	559.8		
2/26/2010	9:58:00	53	0	105.761	560.5		
2/26/2010	9:59:00	54	0	105.492	561.1		
2/26/2010	10:00:00	55	0	105.223	561.8		
2/26/2010	10:01:00	56	0	104.982	562.3		
2/26/2010	10:02:00	57	0	104.741	562.9		
2/26/2010	10:03:00	58	0	104.436	563.6		
2/26/2010	10:04:00	59	0	104.195	564.1		
2/26/2010	10:05:00	60	0	103.955	564.7	42288060	
2/26/2010	10:06:00	61	0	103.705	565.3		
2/26/2010	10:07:00	62	0	103.463	565.8		
2/26/2010	10:08:00	63	0	103.231	566.3		
2/26/2010	10:09:00	64	0	102.982	566.9		
2/26/2010	10:10:00	65	0	102.75	567.5		
2/26/2010	10:11:00	66	0	102.509	568.0		
2/26/2010	10:12:00	67	0	102.303	568.5		
2/26/2010	10:13:00	68	0	102.07	569.0		
2/26/2010	10:14:00	69	0	101.847	569.5		
2/26/2010	10:15:00	70	0	101.634	570.0		
2/26/2010	10:16:00	71	0	101.411	570.5		
2/26/2010	10:17:00	72	0	101.189	571.1		
2/26/2010	10:18:00	73	0	100.976	571.5		
2/26/2010	10:19:00	74	0	100.754	572.1		
2/26/2010	10:20:00	75	0	100.56	572.5		
2/26/2010	10:21:00	76	0	100.347	573.0		
2/26/2010	10:22:00	77	0	100.162	573.4		

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Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	10:23:00	78	0	99.977	573.9		
2/26/2010	10:24:00	79	0	99.782	574.3		
2/26/2010	10:25:00	80	0	99.598	574.7		
2/26/2010	10:26:00	81	0	99.385	575.2		
2/26/2010	10:27:00	82	0	99.199	575.6		
2/26/2010	10:28:00	83	0	99.023	576.1		
2/26/2010	10:29:00	84	0	98.839	576.5		
2/26/2010	10:30:00	85	0	98.69	576.8		
2/26/2010	10:31:00	86	0	98.496	577.3		
2/26/2010	10:32:00	87	0	98.327	577.7		
2/26/2010	10:33:00	88	0	98.152	578.1		
2/26/2010	10:34:00	89	0	97.993	578.4		
2/26/2010	10:35:00	90	0	97.817	578.8	42297170	
2/26/2010	10:36:00	91	0	97.633	579.3		
2/26/2010	10:37:00	92	0	97.466	579.6		
2/26/2010	10:38:00	93	0	97.291	580.0		
2/26/2010	10:39:00	94	0	97.144	580.4		
2/26/2010	10:40:00	95	0	96.958	580.8		
2/26/2010	10:41:00	96	0	96.791	581.2		
2/26/2010	10:42:00	97	0	96.626	581.6		
2/26/2010	10:43:00	98	0	96.468	581.9		
2/26/2010	10:44:00	99	0	96.32	582.3		
2/26/2010	10:45:00	100	0	96.172	582.6		
2/26/2010	10:46:00	101	0	96.015	583.0		
2/26/2010	10:47:00	102	0	95.876	583.3		
2/26/2010	10:48:00	103	0	95.718	583.7		
2/26/2010	10:49:00	104	0	95.58	584.0		
2/26/2010	10:50:00	105	0	95.431	584.3		
2/26/2010	10:51:00	106	0	95.292	584.7		
2/26/2010	10:52:00	107	0	95.135	585.0		
2/26/2010	10:53:00	108	0	94.987	585.4		
2/26/2010	10:54:00	109	0	94.858	585.7		
2/26/2010	10:55:00	110	0	94.7	586.0		
2/26/2010	10:56:00	111	0	94.552	586.4		
2/26/2010	10:57:00	112	0	94.421	586.7		
2/26/2010	10:58:00	113	0	94.274	587.0		
2/26/2010	10:59:00	114	0	94.135	587.3		
2/26/2010	11:00:00	115	0	93.997	587.6		
2/26/2010	11:01:00	116	0	93.848	588.0		
2/26/2010	11:02:00	117	0	93.738	588.2		
2/26/2010	11:03:00	118	0	93.589	588.6		
2/26/2010	11:04:00	119	0	93.459	588.9		
2/26/2010	11:05:00	120	0	93.348	589.1	42306170	
2/26/2010	11:06:00	121	0	93.229	589.4		
2/26/2010	11:07:00	122	0	93.098	589.7		
2/26/2010	11:08:00	123	0	92.979	590.0		
2/26/2010	11:09:00	124	0	92.876	590.2		
2/26/2010	11:10:00	125	0	92.737	590.6		

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Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	11:11:00	126	0	92.616	590.8		
2/26/2010	11:12:00	127	0	92.515	591.1		
2/26/2010	11:13:00	128	0	92.367	591.4		
2/26/2010	11:14:00	129	0	92.274	591.6		
2/26/2010	11:15:00	130	0	92.135	591.9		
2/26/2010	11:16:00	131	0	92.024	592.2		
2/26/2010	11:17:00	132	0	91.903	592.5		
2/26/2010	11:18:00	133	0	91.774	592.8		
2/26/2010	11:19:00	134	0	91.664	593.0		
2/26/2010	11:20:00	135	0	91.544	593.3		
2/26/2010	11:21:00	136	0	91.432	593.6		
2/26/2010	11:22:00	137	0	91.322	593.8		
2/26/2010	11:23:00	138	0	91.211	594.1		
2/26/2010	11:24:00	139	0	91.128	594.3		
2/26/2010	11:25:00	140	0	90.999	594.6		
2/26/2010	11:26:00	141	0	90.888	594.8		
2/26/2010	11:27:00	142	0	90.785	595.1		
2/26/2010	11:28:00	143	0	90.675	595.3		
2/26/2010	11:29:00	144	0	90.555	595.6		
2/26/2010	11:30:00	145	0	90.463	595.8		
2/26/2010	11:31:00	146	0	90.37	596.0		
2/26/2010	11:32:00	147	0	90.25	596.3		
2/26/2010	11:33:00	148	0	90.147	596.5		
2/26/2010	11:34:00	149	0	90.055	596.7		
2/26/2010	11:35:00	150	0	89.963	597.0	42315070	
2/26/2010	11:36:00	151	0	89.842	597.2		
2/26/2010	11:37:00	152	0	89.758	597.4		
2/26/2010	11:38:00	153	0	89.648	597.7		
2/26/2010	11:39:00	154	0	89.545	597.9		
2/26/2010	11:40:00	155	0	89.462	598.1		
2/26/2010	11:41:00	156	0	89.370	598.3		
2/26/2010	11:42:00	157	0	89.260	598.6		
2/26/2010	11:43:00	158	0	89.176	598.8		
2/26/2010	11:44:00	159	0	89.082	599.0		
2/26/2010	11:45:00	160	0	88.981	599.2		
2/26/2010	11:46:00	161	0	88.880	599.5		
2/26/2010	11:47:00	162	0	88.786	599.7		
2/26/2010	11:48:00	163	0	88.694	599.9		
2/26/2010	11:49:00	164	0	88.621	600.1		
2/26/2010	11:50:00	165	0	88.527	600.3		
2/26/2010	11:51:00	166	0	88.444	600.5		
2/26/2010	11:52:00	167	0	88.352	600.7		
2/26/2010	11:53:00	168	0	88.269	600.9		
2/26/2010	11:54:00	169	0	88.187	601.1		
2/26/2010	11:55:00	170	0	88.067	601.3		
2/26/2010	11:56:00	171	0	87.964	601.6		
2/26/2010	11:57:00	172	0	87.891	601.7		
2/26/2010	11:58:00	173	0	87.807	601.9		

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Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	11:59:00	174	0	87.696	602.2		
2/26/2010	12:00:00	175	0	87.613	602.4		
2/26/2010	12:01:00	176	0	87.530	602.6		
2/26/2010	12:02:00	177	0	87.457	602.7		
2/26/2010	12:03:00	178	0	87.382	602.9		
2/26/2010	12:04:00	179	0	87.299	603.1		
2/26/2010	12:05:00	180	0	87.225	603.3	42323880	
2/26/2010	12:06:00	181	0	87.150	603.4		
2/26/2010	12:07:00	182	0	87.086	603.6		
2/26/2010	12:08:00	183	0	87.011	603.8		
2/26/2010	12:09:00	184	0	86.928	604.0		
2/26/2010	12:10:00	185	0	86.862	604.1		
2/26/2010	12:11:00	186	0	86.799	604.3		
2/26/2010	12:12:00	187	0	86.716	604.4		
2/26/2010	12:13:00	188	0	86.641	604.6		
2/26/2010	12:14:00	189	0	86.549	604.8		
2/26/2010	12:15:00	190	0	86.484	605.0		
2/26/2010	12:16:00	191	0	86.410	605.2		
2/26/2010	12:17:00	192	0	86.327	605.3		
2/26/2010	12:18:00	193	0	86.235	605.6		
2/26/2010	12:19:00	194	0	86.161	605.7		
2/26/2010	12:20:00	195	0	86.088	605.9		
2/26/2010	12:21:00	196	0	85.995	606.1		
2/26/2010	12:22:00	197	0	85.921	606.3		
2/26/2010	12:23:00	198	0	85.856	606.4		
2/26/2010	12:24:00	199	0	85.801	606.6		
2/26/2010	12:25:00	200	0	85.727	606.7		
2/26/2010	12:26:00	201	0	85.634	606.9		
2/26/2010	12:27:00	202	0	85.543	607.2		
2/26/2010	12:28:00	203	0	85.487	607.3		
2/26/2010	12:29:00	204	0	85.405	607.5		
2/26/2010	12:30:00	205	0	85.321	607.7		
2/26/2010	12:31:00	206	0	85.247	607.8		
2/26/2010	12:32:00	207	0	85.183	608.0		
2/26/2010	12:33:00	208	0	85.100	608.2		
2/26/2010	12:34:00	209	0	85.053	608.3		
2/26/2010	12:35:00	210	0	84.979	608.5	42332610	
2/26/2010	12:36:00	211	0	84.924	608.6		
2/26/2010	12:37:00	212	0	84.85	608.8		
2/26/2010	12:38:00	213	0	84.776	608.9		
2/26/2010	12:39:00	214	0	84.703	609.1		
2/26/2010	12:40:00	215	0	84.62	609.3		
2/26/2010	12:41:00	216	0	84.563	609.4		
2/26/2010	12:42:00	217	0	84.499	609.6		
2/26/2010	12:43:00	218	0	84.425	609.7		
2/26/2010	12:44:00	219	0	84.361	609.9		
2/26/2010	12:45:00	220	0	84.296	610.0		
2/26/2010	12:46:00	221	0	84.222	610.2		

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Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	12:47:00	222	0	84.175	610.3		
2/26/2010	12:48:00	223	0	84.102	610.5		
2/26/2010	12:49:00	224	0	84.019	610.7		
2/26/2010	12:50:00	225	0	83.973	610.8		
2/26/2010	12:51:00	226	0	83.899	610.9		
2/26/2010	12:52:00	227	0	83.816	611.1		
2/26/2010	12:53:00	228	0	83.769	611.2		
2/26/2010	12:54:00	229	0	83.704	611.4		
2/26/2010	12:55:00	230	0	83.631	611.6		
2/26/2010	12:56:00	231	0	83.547	611.8		
2/26/2010	12:57:00	232	0	83.509	611.8		
2/26/2010	12:58:00	233	0	83.444	612.0		
2/26/2010	12:59:00	234	0	83.407	612.1		
2/26/2010	13:00:00	235	0	83.352	612.2		
2/26/2010	13:01:00	236	0	83.297	612.3		
2/26/2010	13:02:00	237	0	83.231	612.5		
2/26/2010	13:03:00	238	0	83.185	612.6		
2/26/2010	13:04:00	239	0	83.111	612.8		
2/26/2010	13:05:00	240	0	83.057	612.9	42341300	Stop pumping at 13:05
				Start Recovery			
2/26/2010	13:06:00		0	92.450	591.2	4234130	Final Totalizer Reading
2/26/2010	13:07:00		1	110.073	550.6		
2/26/2010	13:08:00		2	122.721	521.4		
2/26/2010	13:09:00		3	132.054	499.9		
2/26/2010	13:10:00		4	138.679	484.6		
2/26/2010	13:11:00		5	143.741	472.9		
2/26/2010	13:12:00		6	147.706	463.7		
2/26/2010	13:13:00		7	150.928	456.3		
2/26/2010	13:14:00		8	153.596	450.2		
2/26/2010	13:15:00		9	155.832	445.0		
2/26/2010	13:16:00		10	157.737	440.6		
2/26/2010	13:17:00		11	159.402	436.8		
2/26/2010	13:18:00		12	160.865	433.4		
2/26/2010	13:19:00		13	162.181	430.3		
2/26/2010	13:20:00		14	163.360	427.6		
2/26/2010	13:21:00		15	164.436	425.1		
2/26/2010	13:22:00		16	165.430	422.9		
2/26/2010	13:23:00		17	166.350	420.7		
2/26/2010	13:24:00		18	167.207	418.8		
2/26/2010	13:25:00		19	168.007	416.9		
2/26/2010	13:26:00		20	168.762	415.2		
2/26/2010	13:27:00		21	169.470	413.5		
2/26/2010	13:28:00		22	170.171	411.9		
2/26/2010	13:29:00		23	170.805	410.5		
2/26/2010	13:30:00		24	171.413	409.1		
2/26/2010	13:31:00		25	172.001	407.7		
2/26/2010	13:32:00		26	172.564	406.4		
2/26/2010	13:33:00		27	173.098	405.2		

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WATER RESOURCES DEPT
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Application: G-15189

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Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	13:34:00		28	173.622	404.0		
2/26/2010	13:35:00		29	174.128	402.8		
2/26/2010	13:36:00		30	174.615	401.7		
2/26/2010	13:37:00		31	175.095	400.6		
2/26/2010	13:38:00		32	175.546	399.5		
2/26/2010	13:39:00		33	175.969	398.5		
2/26/2010	13:40:00		34	176.402	397.5		
2/26/2010	13:41:00		35	176.815	396.6		
2/26/2010	13:42:00		36	177.229	395.6		
2/26/2010	13:43:00		37	177.625	394.7		
2/26/2010	13:44:00		38	178.002	393.8		
2/26/2010	13:45:00		39	178.381	393.0		
2/26/2010	13:46:00		40	178.749	392.1		
2/26/2010	13:47:00		41	179.107	391.3		
2/26/2010	13:48:00		42	179.494	390.4		
2/26/2010	13:49:00		43	179.816	389.7		
2/26/2010	13:50:00		44	180.138	388.9		
2/26/2010	13:51:00		45	180.452	388.2		
2/26/2010	13:52:00		46	180.765	387.5		
2/26/2010	13:53:00		47	181.068	386.8		
2/26/2010	13:54:00		48	181.363	386.1		
2/26/2010	13:55:00		49	181.657	385.4		
2/26/2010	13:56:00		50	181.944	384.8		
2/26/2010	13:57:00		51	182.229	384.1		
2/26/2010	13:58:00		52	182.505	383.5		
2/26/2010	13:59:00		53	182.781	382.8		
2/26/2010	14:00:00		54	183.038	382.2		
2/26/2010	14:01:00		55	183.305	381.6		
2/26/2010	14:02:00		56	183.564	381.0		
2/26/2010	14:03:00		57	183.822	380.4		
2/26/2010	14:04:00		58	184.070	379.9		
2/26/2010	14:05:00		59	184.318	379.3		
2/26/2010	14:06:00		60	184.558	378.7		
2/26/2010	14:07:00		61	184.789	378.2		
2/26/2010	14:08:00		62	185.028	377.6		
2/26/2010	14:09:00		63	185.258	377.1		
2/26/2010	14:10:00		64	185.479	376.6		
2/26/2010	14:11:00		65	185.700	376.1		
2/26/2010	14:12:00		66	185.922	375.6		
2/26/2010	14:13:00		67	186.134	375.1		
2/26/2010	14:14:00		68	186.345	374.6		
2/26/2010	14:15:00		69	186.557	374.1		
2/26/2010	14:16:00		70	186.759	373.6		
2/26/2010	14:17:00		71	186.972	373.2		
2/26/2010	14:18:00		72	187.165	372.7		
2/26/2010	14:19:00		73	187.358	372.3		
2/26/2010	14:20:00		74	187.561	371.8		
2/26/2010	14:21:00		75	187.756	371.3		

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WATER RESOURCES DEPT
SALEM, OREGON

Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	14:22:00		76	187.939	370.9		
2/26/2010	14:23:00		77	188.123	370.5		
2/26/2010	14:24:00		78	188.307	370.1		
2/26/2010	14:25:00		79	188.501	369.6		
2/26/2010	14:26:00		80	188.677	369.2		
2/26/2010	14:27:00		81	188.842	368.8		
2/26/2010	14:28:00		82	189.017	368.4		
2/26/2010	14:29:00		83	189.192	368.0		
2/26/2010	14:30:00		84	189.358	367.7		
2/26/2010	14:31:00		85	189.525	367.3		
2/26/2010	14:32:00		86	189.690	366.9		
2/26/2010	14:33:00		87	189.856	366.5		
2/26/2010	14:34:00		88	190.012	366.1		
2/26/2010	14:35:00		89	190.178	365.8		
2/26/2010	14:36:00		90	190.336	365.4		
2/26/2010	14:37:00		91	190.483	365.1		
2/26/2010	14:38:00		92	190.639	364.7		
2/26/2010	14:39:00		93	190.796	364.3		
2/26/2010	14:40:00		94	190.943	364.0		
2/26/2010	14:41:00		95	191.090	363.7		
2/26/2010	14:42:00		96	191.229	363.3		
2/26/2010	14:43:00		97	191.377	363.0		
2/26/2010	14:44:00		98	191.515	362.7		
2/26/2010	14:45:00		99	191.662	362.3		
2/26/2010	14:46:00		100	191.800	362.0		
2/26/2010	14:47:00		101	191.938	361.7		
2/26/2010	14:48:00		102	192.066	361.4		
2/26/2010	14:49:00		103	192.206	361.1		
2/26/2010	14:50:00		104	192.335	360.8		
2/26/2010	14:51:00		105	192.463	360.5		
2/26/2010	14:52:00		106	192.601	360.2		
2/26/2010	14:53:00		107	192.730	359.9		
2/26/2010	14:54:00		108	192.861	359.6		
2/26/2010	14:55:00		109	192.980	359.3		
2/26/2010	14:56:00		110	193.109	359.0		
2/26/2010	14:57:00		111	193.228	358.7		
2/26/2010	14:58:00		112	193.348	358.4		
2/26/2010	14:59:00		113	193.468	358.2		
2/26/2010	15:00:00		114	193.587	357.9		
2/26/2010	15:01:00		115	193.707	357.6		
2/26/2010	15:02:00		116	193.817	357.4		
2/26/2010	15:03:00		117	193.938	357.1		
2/26/2010	15:04:00		118	194.049	356.8		
2/26/2010	15:05:00		119	194.159	356.6		
2/26/2010	15:06:00		120	194.279	356.3		
2/26/2010	15:07:00		121	194.389	356.0		
2/26/2010	15:08:00		122	194.499	355.8		
2/26/2010	15:09:00		123	194.600	355.6		

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Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	15:10:00		124	194.702	355.3		
2/26/2010	15:11:00		125	194.823	355.0		
2/26/2010	15:12:00		126	194.924	354.8		
2/26/2010	15:13:00		127	195.025	354.6		
2/26/2010	15:14:00		128	195.126	354.3		
2/26/2010	15:15:00		129	195.227	354.1		
2/26/2010	15:16:00		130	195.329	353.9		
2/26/2010	15:17:00		131	195.430	353.6		
2/26/2010	15:18:00		132	195.522	353.4		
2/26/2010	15:19:00		133	195.623	353.2		
2/26/2010	15:20:00		134	195.724	353.0		
2/26/2010	15:21:00		135	195.818	352.7		
2/26/2010	15:22:00		136	195.910	352.5		
2/26/2010	15:23:00		137	196.011	352.3		
2/26/2010	15:24:00		138	196.103	352.1		
2/26/2010	15:25:00		139	196.195	351.9		
2/26/2010	15:26:00		140	196.278	351.7		
2/26/2010	15:27:00		141	196.379	351.5		
2/26/2010	15:28:00		142	196.462	351.3		
2/26/2010	15:29:00		143	196.554	351.0		
2/26/2010	15:30:00		144	196.638	350.9		
2/26/2010	15:31:00		145	196.728	350.6		
2/26/2010	15:32:00		146	196.813	350.5		
2/26/2010	15:33:00		147	196.905	350.2		
2/26/2010	15:34:00		148	196.987	350.1		
2/26/2010	15:35:00		149	197.070	349.9		
2/26/2010	15:36:00		150	197.153	349.7		
2/26/2010	15:37:00		151	197.236	349.5		
2/26/2010	15:38:00		152	197.319	349.3		
2/26/2010	15:39:00		153	197.401	349.1		
2/26/2010	15:40:00		154	197.484	348.9		
2/26/2010	15:41:00		155	197.567	348.7		
2/26/2010	15:42:00		156	197.651	348.5		
2/26/2010	15:43:00		157	197.743	348.3		
2/26/2010	15:44:00		158	197.817	348.1		
2/26/2010	15:45:00		159	197.881	348.0		
2/26/2010	15:46:00		160	197.964	347.8		
2/26/2010	15:47:00		161	198.038	347.6		
2/26/2010	15:48:00		162	198.111	347.5		
2/26/2010	15:49:00		163	198.185	347.3		
2/26/2010	15:50:00		164	198.258	347.1		
2/26/2010	15:51:00		165	198.332	346.9		
2/26/2010	15:52:00		166	198.396	346.8		
2/26/2010	15:53:00		167	198.470	346.6		
2/26/2010	15:54:00		168	198.543	346.5		
2/26/2010	15:55:00		169	198.617	346.3		
2/26/2010	15:56:00		170	198.681	346.1		
2/26/2010	15:57:00		171	198.755	346.0		

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Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	15:58:00		172	198.830	345.8		
2/26/2010	15:59:00		173	198.894	345.7		
2/26/2010	16:00:00		174	198.959	345.5		
2/26/2010	16:01:00		175	199.032	345.3		
2/26/2010	16:02:00		176	199.097	345.2		
2/26/2010	16:03:00		177	199.161	345.0		
2/26/2010	16:04:00		178	199.235	344.9		
2/26/2010	16:05:00		179	199.290	344.7		
2/26/2010	16:06:00		180	199.364	344.6		
2/26/2010	16:07:00		181	199.428	344.4		
2/26/2010	16:08:00		182	199.483	344.3		
2/26/2010	16:09:00		183	199.548	344.1		
2/26/2010	16:10:00		184	199.612	344.0		
2/26/2010	16:11:00		185	199.676	343.8		
2/26/2010	16:12:00		186	199.733	343.7		
2/26/2010	16:13:00		187	199.807	343.5		
2/26/2010	16:14:00		188	199.862	343.4		
2/26/2010	16:15:00		189	199.917	343.3		
2/26/2010	16:16:00		190	199.981	343.1		
2/26/2010	16:17:00		191	200.046	343.0		
2/26/2010	16:18:00		192	200.101	342.9		
2/26/2010	16:19:00		193	200.165	342.7		
2/26/2010	16:20:00		194	200.221	342.6		
2/26/2010	16:21:00		195	200.276	342.5		
2/26/2010	16:22:00		196	200.331	342.3		
2/26/2010	16:23:00		197	200.395	342.2		
2/26/2010	16:24:00		198	200.450	342.1		
2/26/2010	16:25:00		199	200.507	341.9		
2/26/2010	16:26:00		200	200.561	341.8		
2/26/2010	16:27:00		201	200.618	341.7		
2/26/2010	16:28:00		202	200.671	341.6		
2/26/2010	16:29:00		203	200.728	341.4		
2/26/2010	16:30:00		204	200.783	341.3		
2/26/2010	16:31:00		205	200.829	341.2		
2/26/2010	16:32:00		206	200.884	341.1		
2/26/2010	16:33:00		207	200.939	340.9		
2/26/2010	16:34:00		208	200.995	340.8		
2/26/2010	16:35:00		209	201.041	340.7		
2/26/2010	16:36:00		210	201.096	340.6		
2/26/2010	16:37:00		211	201.151	340.4		
2/26/2010	16:38:00		212	201.197	340.3		
2/26/2010	16:39:00		213	201.252	340.2		
2/26/2010	16:40:00		214	201.300	340.1		
2/26/2010	16:41:00		215	201.353	340.0		
2/26/2010	16:42:00		216	201.401	339.9		
2/26/2010	16:43:00		217	201.447	339.8		
2/26/2010	16:44:00		218	201.493	339.7		
2/26/2010	16:45:00		219	201.548	339.5		

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Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	16:46:00		220	201.594	339.4		
2/26/2010	16:47:00		221	201.649	339.3		
2/26/2010	16:48:00		222	201.686	339.2		
2/26/2010	16:49:00		223	201.741	339.1		
2/26/2010	16:50:00		224	201.787	339.0		
2/26/2010	16:51:00		225	201.833	338.9		
2/26/2010	16:52:00		226	201.879	338.8		
2/26/2010	16:53:00		227	201.916	338.7		
2/26/2010	16:54:00		228	201.962	338.6		
2/26/2010	16:55:00		229	202.017	338.4		
2/26/2010	16:56:00		230	202.063	338.3		
2/26/2010	16:57:00		231	202.100	338.3		
2/26/2010	16:58:00		232	202.146	338.1		
2/26/2010	16:59:00		233	202.192	338.0		
2/26/2010	17:00:00		234	202.238	337.9		
2/26/2010	17:01:00		235	202.275	337.9		
2/26/2010	17:02:00		236	202.321	337.7		
2/26/2010	17:03:00		237	202.357	337.7		
2/26/2010	17:04:00		238	202.403	337.6		
2/26/2010	17:05:00		239	202.451	337.4		End of Test
2/26/2010	17:06:00		240	202.488	337.4		
2/26/2010	17:07:00			202.534	337.3		
2/26/2010	17:08:00			202.571	337.2		

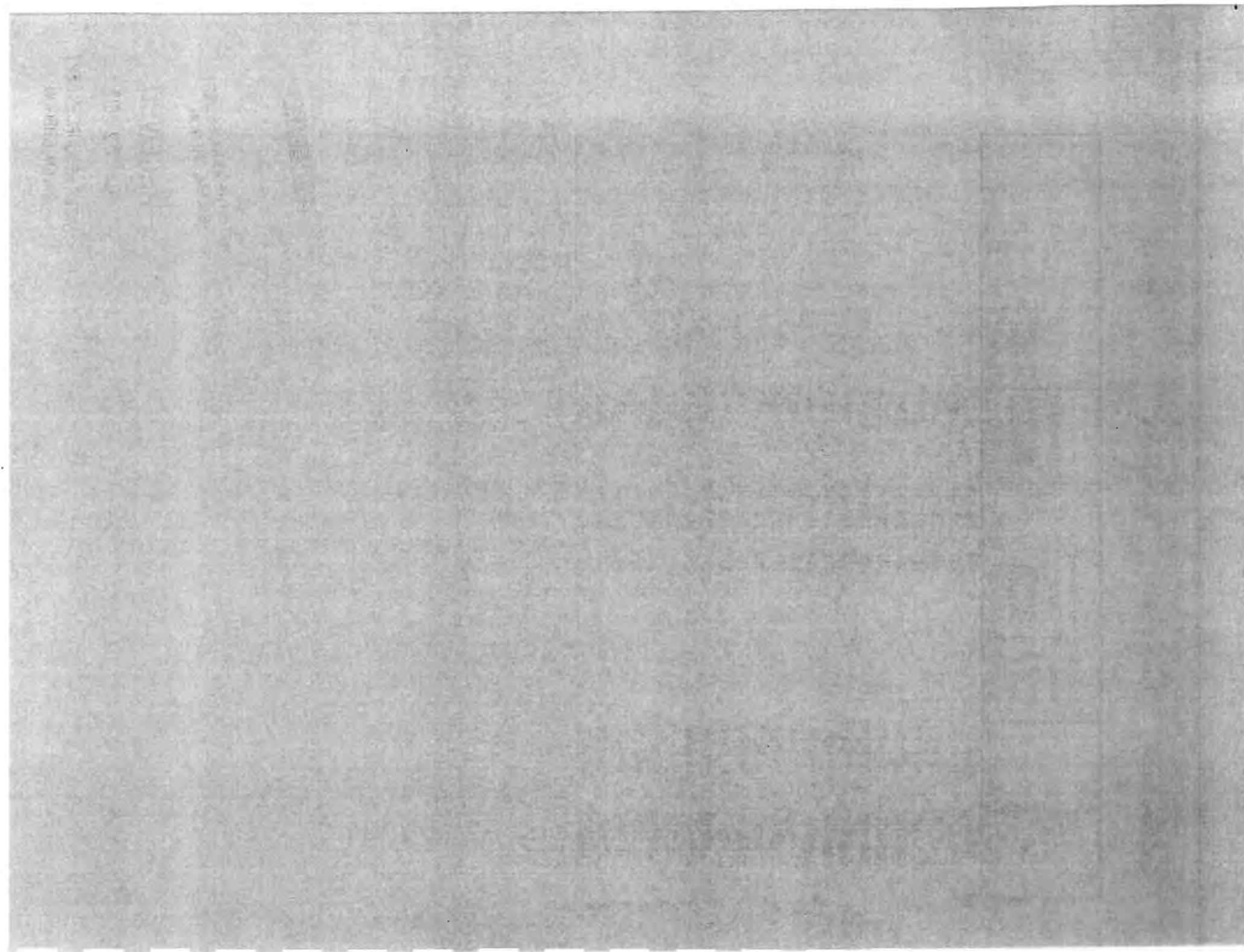
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SALEM, OREGON



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

AMENDED COPY

CLAC 56352

WELL ID # 39490
(START CARD) # 135506

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

OWNER: Well Number: 690
Name: Golf Solutions LLC
Address: PO Box 2980
City: Oregon City State OR Zip 97045

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

DRILL METHOD:
☐ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger
☐ Other

PROPOSED USE:
☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 1210 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE			SEAL			Amount	
Diameter	From	To	Material	From	To	sacks or pounds	
20	0	19	cement	0	19	15 sacks	
16	19	800	cement	40	800	300 sacks	
12	800	940					
8	940	1210					

How was seal placed Method ☐ A ☐ B ☒ C ☒ D ☐ E
☐ Other
Leakfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

Casing	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
16	16	+1.5	21	312	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	12	0	500	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	12	500	800	312	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Inner

Final location of shoe(s) 800

(7) PERFORATIONS/SCREENS:

Perforations		Method		Material	
From	To	Slot size	Number	Teletype size	Casing Liner

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Baller ☒ Air ☐ Flowing Artesian
Field gal/min Drawdown Drill stem at Time
0 0 940 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 Clackamas Latitude Longitude
Township 3S N or S Range 2E E or W. of WM.
Section 21 SE 1/4 NW 1/4
Tax Lot 0790 Lot Block Subdivision
Street Address of Well (or nearest address)
21011 S. HWY 213

(10) STATIC WATER LEVEL:
310 ft. below land surface. Date 10/25/00
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 60

From	To	Estimated Flow Rate	SWL
60	80	25	35
200	240	500	90
320	340	200	90
900	930	200	310

(12) WELL LOG:

Ground elevation

Material	From	To	SWL
Clay, Brown	0	15	
Basalt, Gray	15	45	
Clay, Red	45	60	
Claystone, Brown	60	80	35
Claystone, Gray	80	200	
Sandstone, Gray	200	240	90
Claystone, Light Gray	240	300	
Claystone, Gray & Green	300	320	
Sandstone, Gray	320	340	90
Claystone, Gray & Green	340	480	
Claystone, Green & Gray; some wood	480	600	
Claystone, Gray & Green	600	770	
Claystone, Green; softer	770	810	
Claystone, Gray; hard	810	900	
Sandstone, Gray; hard	900	930	310
Claystone, Gray; hard	930	1210	

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WATER RESOURCES DEPT.
SALEM, OREGON

Date started 9/12/00 Completed 10/25/00

(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 my best knowledge and belief.

Signed _____ WWC Number _____
Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Signed Rocky C. Galt WWC Number 663
Date 4/29/03

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

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SALEM, OREGON

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

CLAC 56352

CLAC 56352

AMENDED COPY

WELL ID # 39490

(START CARD) # 135506

(1) OWNER:

Well Number: 690

Name Golf Solutions LLC

Address Po Box 2980

City Oregon City State OR Zip 97045

(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 1210 ft.

Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE			SEAL			Amount	
Diameter	From	To	Material	From	To	sacks or pounds	
20	0	19	cement	0	19	15 sacks	
16	19	800	cement	40	800	300 sacks	
12	800	940					
8	940	1210					

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

☐ Other

Bedfill 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:	16	+1.5	21	.312	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	0	500	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	500	800	.312	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 800

(7) PERFORATIONS/SCREENS:

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

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

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
200		940	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 Clackamas Latitude _____ Longitude _____
Township 3S N or S. Range 2E E or W. of WM.
Section 21 SE % NW %
Tax Lot 0780 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) _____
21011 S. HWY 213

(10) STATIC WATER LEVEL:

320 ft. below land surface. Date 10/25/00
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

From	To	Estimated Flow Rate	SWL
60	80	25	35
200	240	500	90
320	540	200	90

(12) WELL LOG:

Ground elevation _____

Material	From	To	SWL
Clay, Brown	0	15	
Basalt, Gray	15	45	
Clay, Red	45	60	
Claystone, Brown	60	80	35
Claystone, Gray	80	200	
Sandstone, Gray	200	240	90
Claystone, Light Gray	240	300	
Claystone, Gray & Green	300	320	
Sandstone, Gray	320	340	90
Claystone, Gray & Green	340	480	
Claystone, Green & Gray; some wood	480	600	
Claystone, Gray & Green	600	770	
Claystone, Green; softer	770	810	
Claystone, Gray; hard	810	900	
Sandstone, Gray; hard	900	930	320
Claystone, Gray; hard	930	1210	

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Date started 9/12/00 Completed 10/25/00

(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 my best 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 663
Signed Paul C. Ehl Date 10/5/01

AMERICAN WELL DRILLING

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50352STATE OF OREGON
WATER SUPPLY WELL PERMIT RESOURCES DEPT
(as required by ORS 537.765) SALEM, OREGON

WELL I.D. # L 39490

START CARD # 135508

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

(1) OWNER: Well Number 690
Name Golf Solution LLC
Address PO Box 2980
City Oregon City State OR Zip 97045(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 1210
Explosives used ☐ Yes ☒ No Type _____ Amount _____HOLE SEAL
Diameter From To Material From To Sacks or pounds
20 0 19 cement 0 19 15
16 19 30 cement 40 830 300
12 830 940
8 940 1210How 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 16 14 21 31 ☒ ☐ ☒ ☐
12 0 500 250 ☒ ☐ ☒ ☐
12 500 830 312 ☒ ☐ ☒ ☐
Liner: ☐ ☐ ☐ ☐Final location of shoe(s) 830(7) PERFORATIONS/SCREENS:
☐ Perforations Method _____
☐ Screens Type _____ Material _____
From To Slot size Number Diameter Tubing size Casing Liner
☐ ☐ ☐ ☐ ☐ ☐

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

☒ Pump ☐ Boiler ☐ Air ☐ Flowing
Yield gal/min Drawdown Drill stem at Time
500 475 8 hrsTemperature of water 62 Depth Artesian Flow Found _____
Was a water analysis done? ☐ Yes By whom _____
Did any strata contain water not suitable for intended use? ☐ Yes ☐ No
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____
Depth of strata _____(9) LOCATION OF WELL by legal description:
County Clack Latitude _____ Longitude _____
Township 3 N or S Range 2 E or W. WM
Section 21 SE 1/4 NW 1/4
Tax Lot 0790 Block _____ Subdivision _____
Street Address of Well (or nearest address) 21011 S. Hwy. 313(10) STATIC WATER LEVEL:
310 ft. below land surface Date 11/22/00
Artesian pressure _____ lb. per square inch. Date _____(11) WATER BEARING ZONES:
Depth at which water was first found 60

From	To	Estimated Flow Rate	SWI
60	80	25	35
200	240	500	90
320	540	200	90
900	930	500	310

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWI
clay brown	0	15	
basalt gray	15	45	
clay red	45	60	
claystone brown	60	80	35
claystone gray	80	200	
sandstone gray	200	240	90
claystone lite gray	240	300	
claystone gray/green	300	320	
sandstone gray	320	340	90
claystone gray/green	340	480	
claystone green/gray			
some wood	480	600	
claystone green/gray	600	770	
claystone green soft	770	810	
claystone gray hard	810	900	
sandstone gray hard	900	930	310
claystone gray hard	930	1210	

Date started 9/12/00 Completed 11/22/00(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

Signed _____ WWC Number _____ Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.Signed Robert C. Galt WWC Number 663 Date 11/25/00

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ATTACHMENT 3

Water Use

2004-2005

2005-2006

2006-2007

2007-2008

2008-2009

2009-2010

2010-2011

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WELL ONE TOTALIZER READINGS				Static Level
2003/2004	Meter Start	Meter End	Total Gallons	
October				
November				
December				
January	0	0	0	295.8
February	0	0	0	295.8
March	0	0	0	295.8
April	0	0	0	295.8
May	0	23,794	23,794	295.8
June	23,794	2,084,131	2,060,337	695.97(Draw Down)
July	2,084,131	11,240,820	9,156,689	710.45(Draw Down)
August	11,240,820	17,279,810	6,038,990	337.84 (Pump off)
September	17,279,810	18,707,510	1,427,700	319.91 (Pump off)
		Total	18,707,510	
		Acre Feet	57.39	

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WELL ONE TOTALIZER READINGS				Static
2004/2005	Meter Start	Meter End	Total Gallons	Level
October	18,707,510	18,707,510	0	
November	18,707,510	18,707,510	0	
December	18,707,510	18,707,510	0	
January	18,707,510	18,707,510	0	
February	18,707,510	18,707,510	0	297.4
March	18,707,510	19,778,280	1,070,770	298.9
April	19,778,280	19,933,910	155,630	297.575
May	19,933,910	19,933,910	0	293.83
June	19,933,910	19,933,910	0	292.65
July	19,933,910	20,866,423	932,513	
August	20,866,423	30,551,000	9,684,577	
September	30,551,000	39,017,950	8,466,950	
		Total	20,310,440	
		Acre Feet	62.30	

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WELL ONE TOTALIZER READINGS				Static Level
2005/2006	Meter Start	Meter End	Total Gallons	
October	39,017,950	39,017,950	0	
November	39,017,950	39,017,950	0	
December	39,017,950	39,017,950	0	
January	39,017,950	39,017,950	0	
February	39,017,950	39,017,950	0	
March	39,017,950	39,017,950	0	
April	39,017,950	39,847,700	829,750	
May	39,847,700	39,847,700	0	
June	39,847,700	40,385,600	537,900	296.115
July	40,385,600	47,972,500	7,586,900	719.58 (Aug 1st)
August	47,972,500	58,349,050	10,376,550	724.5 (Aug 14th)
September	58,349,050	65,502,310	7,153,260	727.78 (Sept 1)
		Total	26,484,360	697.08 (Sept 28)
		Acre Feet	81.24	

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WELL ONE TOTALIZER READINGS				Static Level
2006/2007	Meter Start	Meter End	Total Gallons	
October	65,502,310	69,215,890	3,713,580	
November	69,215,890	69,215,890	0	
December	69,215,890	69,215,890	0	
January	69,215,890	69,215,890	0	
February	69,215,890	69,215,890	0	
March	69,215,890	69,215,890	0	
April	69,215,890	69,215,890	0	
May	69,215,890	69,216,130	240	298.356
June	69,216,130	69,216,130	0	297.774
July	69,216,130	69,216,130	0	
August	69,216,130	90,575,900	21,359,770	
September	90,575,900	93,666,830	3,090,930	
		Total	28,164,520	
		Acre Feet	86.39	

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WELL ONE TOTALIZER READINGS				Static Level
2007/2008	Meter Start	Meter End	Total Gallons	
October	93,666,830	93,666,830	0	
November	93,666,830	93,666,830	0	
December	93,666,830	93,666,830	0	
January	93,666,830	93,666,830	0	
February	93,666,830	93,666,830	0	
March	93,666,830	93,666,830	0	
April	93,666,830	93,666,830	0	
May	93,666,830	93,666,830	0	
June	93,666,830	93,666,830	0	295.65 July 1st
July	93,666,830	2,140,555	8,473,725	75.035 Aug 11th
August	2,140,555	10,825,600	8,685,045	699.87 draw down
September	10,825,600	16,981,580	6,155,980	
		Total	23,314,750	
		Acre Feet	71.52	

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WELL ONE TOTALIZER READINGS				Static Level
2008/2009	Meter Start	Meter End	Total Gallons	
October	16,981,580	16,981,580	0	
November	16,981,580	16,981,580	0	
December	16,981,580	16,981,580	0	
January	16,981,580	16,981,580	0	
February	16,981,580	16,981,580	0	
March	16,981,580	16,981,580	0	
April	16,981,580	16,981,580	0	
May	16,981,580	16,981,580	0	
June	16,981,580	16,981,580	0	
July	16,981,580	29,209,570	12,227,990	
August	29,209,570	35,250,550	6,040,980	Aug 15 699.55 ft
September	35,250,550	41,809,470	6,558,920	turned well off 9/28/09
		Total	24,827,890	
		Acre Feet	76.16	
		Acre Feet Over 90 Acres	0.85	

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WELL ONE TOTALIZER READINGS				Static Level
2009/2010	Meter Start	Meter End	Total Gallons	
October	41,809,470	42,261,590	452,120	
November	42,261,590	42,261,590	0	
December	42,261,590	42,261,590	0	
January	42,261,590	42,261,590	0	
February	42,261,590	42,261,590	0	
March	42,261,590	42,261,590	0	
April	42,261,590	42,261,590	0	
May	42,261,590	42,370,720	109,130	Well test
June	42,370,720	42,370,720	0	
July	42,370,720	43,465,740	1,095,020	
August	43,465,740	54,014,160	10,548,420	
September	54,014,160	56,742,320	2,728,160	
		Total	14,932,850	
		Acre Feet	45.81	

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WELL ONE TOTALIZER READINGS			
2010/11	Meter Start	Meter End	Total Gallons
October	56,742,320	56,742,320	0
November	56,742,320	56,742,320	0
December	56,742,320	56,742,320	0
January	56,742,320	56,742,320	0
February	56,742,320	56,742,320	0
March	56,742,320	56,742,320	0
April	56,742,320	56,742,320	0
May	56,742,320	56,742,320	0
June	56,742,320	56,742,320	0
July	56,742,320	59,651,050	2,908,730
August	59,651,050	70,292,820	10,641,770
September	70,292,820	75,335,220	5,042,400
		Total	18,592,900
		Acre Feet	57.03

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ATTACHMENT 4
System Information
(Pump Calculations, Pipe Calculations, Sprinklers, and
Irrigation Map)

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Pump Capacity Calculation Sheet - Well 1/Well B Pump
using Department designed formula:

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

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 125
Efficiency = 7.04
Lift = 660
PSI = 0

Results Calculated

$(hp)(\text{efficiency}) =$ 880
Head based on psi = 0.0
Total dynamic head = 660.0
(head + lift)

Pump Capacity = **1.33 feet per second**

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Pump Capacity Calculation Sheet - One Rediversion pump

using Department designed formula:

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

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 75
Efficiency = 7.04
Lift = 75
PSI = 110

Results Calculated

(hp)(efficiency) = 528
Head based on psi = 279.4
Total dynamic head = 354.4
(head + lift)

Pump Capacity = 1.49 feet per second



Pipe Capacity Calculator

for pipes flowing full, using the Hazen-Williams Formula

Data Entry (fill in underlined blanks)

Interior Diameter = 4 inches, or 0.333333 feet
Roughness Coefficient (C) = 140
Fall = 5 feet per 15 feet of distance
Grade = 0.33333333 , or 33.3%

Results calculated

Area of cross-section = 0.08727 square feet
Wetted Perimeter = 1.0472 feet
Hydraulic Radius = 0.08333
Velocity = 21.3066 feet per second

Pipe Capacity = 1.859 cubic feet per second

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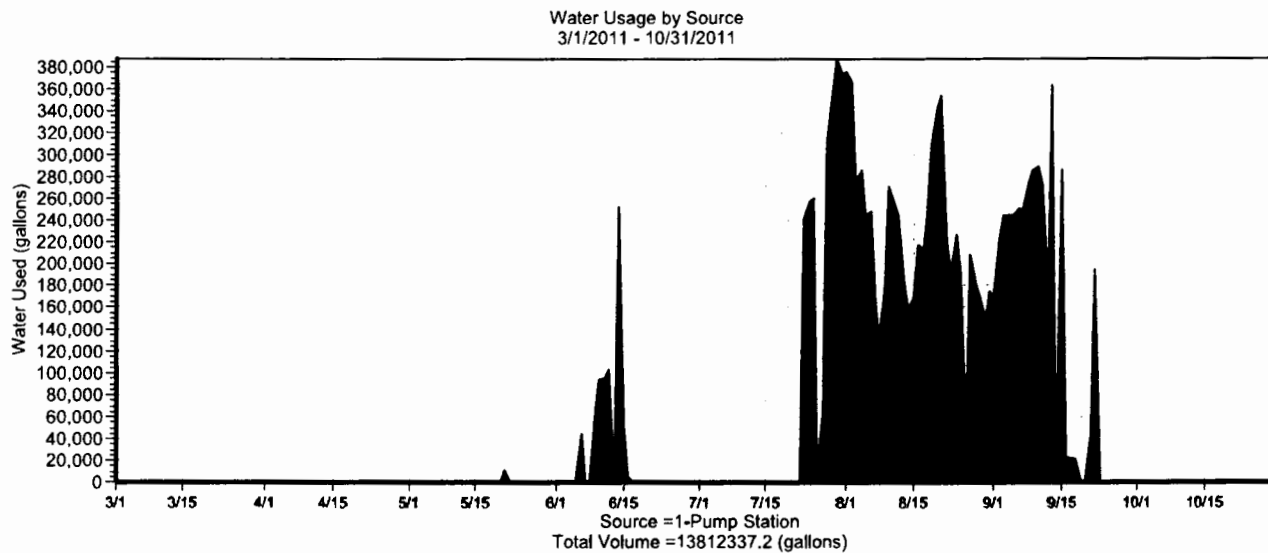
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Main Line

Pipe Size	Segments	Length Ft.	
18"	157	157	
12"	341		
	99		
	6		
	127		
	128		
	68		
	86		
	528	1383	
10"	54		
	77	131	
8"	82		
	740	822	
8"	19		
	455	474	
8"	809	809	2105
6"	202		
	662		
	136		
	391		
	127		
	640		
	137	2295	
6"	10		
	193		
	124		
	281	608	
6"	289		
	209		
	14		
	197	709	
6"	223		
	931		
	313	1467	
6"	774		
	36		
	59	869	
6"	495		
	82		
	76		
	47	700	
6"	17		
	94		
	26		
	203		
	110	450	7098
4"	343		

Pipe Size	Length in Feet
18" Pipe	157
12" pipe	1383
10" Pipe	131
8" Pipe	2105
6" Pipe	7098
4" Pipe	10412
2" Pipe	348

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	36		
	179		
	29	587	
4"	26		
	38		
	559		
	925		
	33		
	340	1921	
4"	1456	1456	
4"	452	452	
4"	1196		
	23		
	44	1263	
4"	672	672	
4"	1067		
	37	1104	
4"	13		
	263	276	
4"	615		
	377		
	285		
	265		
	648		
	80	2270	
4"	107		
	304	411	10412
2"	261		
	13		
	74	348	348

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Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
1	1	PGRN	855S-25_59	60.6 gpm	90 ft.
1	2	PGRN	855S-25_59	60.6 gpm	90 ft.
1	3	PGRN	855S-25_59	60.6 gpm	90 ft.
1	4	PGRN	855S-25_59	60.6 gpm	90 ft.
1	5	PGRN	855S-25_59	60.6 gpm	90 ft.
1	6	PSUR	760_63	16.4 gpm	65 ft.
1	7	PSUR	760_63	16.4 gpm	65 ft.
1	8	1TEE	760_63	16.4 gpm	65 ft.
1	9	10TEE	760_63	16.4 gpm	65 ft.
1	10	PRGH	730_34	24 gpm	65 ft.
1	11	PRGH	730_34	24 gpm	65 ft.
1	12	1TEE	730_34	24 gpm	65 ft.
1	13	1TEE	730_34	24 gpm	65 ft.
1	14	1TEE	730_34	24 gpm	65 ft.
1	15	1TEE	2001_15	16.1 gpm	30 ft.
1	16	1TEE	2001_15	16.1 gpm	30 ft.
1	17	1TEE	2001_15	16.1 gpm	30 ft.
1	18	1TSUR	2001_15	16.1 gpm	30 ft.
1	19	1RGH	730_34	24 gpm	65 ft.
1	20	1FWY	730_34	24 gpm	65 ft.
1	21	1FWY	730_34	24 gpm	65 ft.
1	22	1FWY	730_34	24 gpm	65 ft.
1	23	1FWY	730_34	24 gpm	65 ft.
1	24	1RGH	730_34	24 gpm	65 ft.
1	25	1FWY	730_34	24 gpm	65 ft.
1	26	1FWY	730_34	24 gpm	65 ft.
1	27	1FWY	730_34	24 gpm	65 ft.
1	28	1RGH	730_34	24 gpm	65 ft.
1	29	1FWY	730_34	24 gpm	65 ft.
1	30	1FWY	730_34	24 gpm	65 ft.
1	31	1FWY	730_34	24 gpm	65 ft.
1	32	1RGH	730_34	24 gpm	65 ft.
1	33	1RGH	730_34	24 gpm	65 ft.
1	34	1RGH	730_34	24 gpm	65 ft.
1	35	1FWY	730_34	24 gpm	65 ft.
1	36	1FWY	730_34	24 gpm	65 ft.
1	37	1FWY	730_34	24 gpm	65 ft.
1	38	1RGH	730_34	24 gpm	65 ft.
1	39	1RGH	730_34	24 gpm	65 ft.
1	40	1RGH	730_34	24 gpm	65 ft.
1	41	1FWY	730_34	24 gpm	65 ft.
1	42	1FWY	730_34	24 gpm	65 ft.
1	43	1FWY	730_34	24 gpm	65 ft.
1	44	1FWY	730_34	24 gpm	65 ft.
1	45	1FWY	730_34	24 gpm	65 ft.
1	46	1FWY	730_34	24 gpm	65 ft.

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Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
1	47	1FWY	730_34	24 gpm	65 ft.
1	48	1FWY	730_34	24 gpm	65 ft.
1	49	1FWY	730_34	24 gpm	65 ft.
1	50	1FWY	730_34	24 gpm	65 ft.
1	51	*	*	0 gpm	60 ft.
1	52	*	*	0 gpm	60 ft.
1	53	*	*	0 gpm	60 ft.
1	54	LNDSCP	730_34	24 gpm	65 ft.
1	55	1SUR	730_34	27.5 gpm	65 ft.
1	56	LNDSCP	570_12-H,1/2	1.3 gpm	12 ft.
1	57	LNDSCP	570_12-H,1/2	1.3 gpm	12 ft.
1	58	*	*	0 gpm	60 ft.
1	59	LNDSCP	570_12-H,1/2	1.3 gpm	12 ft.
1	60	*	*	0 gpm	60 ft.
1	61	LNDSCP	570_12-H,1/2	1.3 gpm	12 ft.
1	62	LNDSCP	570_12-H,1/2	1.3 gpm	12 ft.
1	63	CHIPSUR	760_63	16.4 gpm	65 ft.
1	64	*	*	0 gpm	60 ft.
2	1	1GRN	760_65	25.6 gpm	65 ft.
2	2	1GRN	760_65	25.6 gpm	65 ft.
2	3	1GRN	760_65	25.6 gpm	65 ft.
2	4	1GRN	760_65	25.6 gpm	65 ft.
2	5	1GRN	730_34	24 gpm	65 ft.
2	6	1GRN	730_34	24 gpm	65 ft.
2	7	1GRN	730_34	24 gpm	65 ft.
2	8	1GRN	730_34	24 gpm	65 ft.
2	9	1SUR	730_34	24 gpm	65 ft.
2	10	1SUR	730_34	24 gpm	65 ft.
2	11	1SUR	730_34	24 gpm	65 ft.
2	12	1SUR	730_34	24 gpm	65 ft.
2	13	1SUR	730_34	24 gpm	65 ft.
2	14	1SUR	730_34	24 gpm	65 ft.
2	15	1SUR	730_34	24 gpm	65 ft.
2	16	8GRN	760_63	16.4 gpm	65 ft.
2	17	8GRN	760_63	16.4 gpm	65 ft.
2	18	8GRN	760_63	16.4 gpm	65 ft.
2	19	8GRN	760_63	16.4 gpm	65 ft.
2	20	8GRN	760_63	16.4 gpm	65 ft.
2	21	8GRN	730_34	24 gpm	65 ft.
2	22	8GRN	730_34	24 gpm	65 ft.
2	23	8GRN	730_34	24 gpm	65 ft.
2	24	8GRN	730_34	24 gpm	65 ft.
2	25	8GRN	730_34	24 gpm	65 ft.
2	26	8SUR	760_63	16.4 gpm	65 ft.
2	27	8SUR	730_34	24 gpm	65 ft.
2	28	8SUR	730_34	24 gpm	65 ft.

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SALEM, OREGON

Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
2	29	8SUR	730_34	24 gpm	65 ft.
2	30	8SUR	730_34	24 gpm	65 ft.
2	31	8APP	730_34	24 gpm	65 ft.
2	32	8APP	730_34	24 gpm	65 ft.
2	33	8APP	730_34	24 gpm	65 ft.
2	34	8FWY	760_63	16.4 gpm	65 ft.
2	35	8FWY	730_34	24 gpm	65 ft.
2	36	8FWY	730_34	24 gpm	65 ft.
2	37	8FWY	730_34	24 gpm	65 ft.
2	38	8FWY	730_34	24 gpm	65 ft.
2	39	8RGH	730_34	24 gpm	65 ft.
2	40	8RGH	730_34	24 gpm	65 ft.
2	41	8FWY	730_34	24 gpm	65 ft.
2	42	8FWY	730_34	24 gpm	65 ft.
2	43	8FWY	730_34	24 gpm	65 ft.
2	44	8FWY	730_34	24 gpm	65 ft.
2	45	8FWY	730_34	24 gpm	65 ft.
2	46	8FWY	730_34	24 gpm	65 ft.
2	47	8FWY	730_34	24 gpm	65 ft.
2	48	8FWY	730_34	24 gpm	65 ft.
2	49	8FWY	730_34	24 gpm	65 ft.
2	50	8FWY	730_34	24 gpm	65 ft.
2	51	8RGH	730_34	24 gpm	65 ft.
2	52	8FWY	730_34	24 gpm	65 ft.
2	53	8FWY	730_34	24 gpm	65 ft.
2	54	8FWY	730_34	24 gpm	65 ft.
2	55	8FWY	730_34	24 gpm	65 ft.
2	56	8FWY	730_34	24 gpm	65 ft.
2	57	8FWY	730_34	24 gpm	65 ft.
2	58	8FWY	730_34	24 gpm	65 ft.
3	1	2GRN	760_63	16.4 gpm	65 ft.
3	2	2GRN	760_63	16.4 gpm	65 ft.
3	3	2GRN	760_63	16.4 gpm	65 ft.
3	4	2GRN	760_63	16.4 gpm	65 ft.
3	5	2GRN	760_63	16.4 gpm	65 ft.
3	6	2GRN	730_34	24 gpm	65 ft.
3	7	2GRN	730_34	24 gpm	65 ft.
3	8	2GRN	730_34	24 gpm	65 ft.
3	9	2GRN	730_34	24 gpm	65 ft.
3	10	2GRN	730_34	24 gpm	65 ft.
3	11	2SUR	730_34	24 gpm	65 ft.
3	12	2APP	730_34	24 gpm	65 ft.
3	13	2SUR	730_34	24 gpm	65 ft.
3	14	2SUR	730_34	24 gpm	65 ft.
3	15	2SUR	730_34	24 gpm	65 ft.
3	16	2TEE	2001_15	16.1 gpm	30 ft.

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WATER RESOURCES DEPT
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WATER RESOURCES DEPT
SALEM OREGON

Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
3	17	2TEE	2001_15	16.1 gpm	30 ft.
3	18	2TEE	2001_15	16.1 gpm	30 ft.
3	19	2TEE	2001_15	16.1 gpm	30 ft.
3	20	2TSUR	2001_15	16.1 gpm	30 ft.
3	21	2TSUR	2001_15	16.1 gpm	30 ft.
3	22	2RGH	730_34	24 gpm	65 ft.
3	23	2RGH	730_34	24 gpm	65 ft.
3	24	2RGH	730_34	24 gpm	65 ft.
3	25	2RGH	730_34	24 gpm	65 ft.
3	26	3TEE	2001_15	16.1 gpm	30 ft.
3	27	3TEE	2001_15	16.1 gpm	30 ft.
3	28	3TEE	2001_15	16.1 gpm	30 ft.
3	29	3TEE	2001_15	16.1 gpm	30 ft.
3	30	2TSUR	2001_15	16.1 gpm	30 ft.
3	31	3FWY	730_34	24 gpm	65 ft.
3	32	3FWY	730_34	24 gpm	65 ft.
3	33	3FWY	730_34	24 gpm	65 ft.
3	34	3FWY	730_34	24 gpm	65 ft.
3	35	3FWY	730_34	24 gpm	65 ft.
3	36	3FWY	730_34	24 gpm	65 ft.
3	37	3FWY	730_34	24 gpm	65 ft.
3	38	3FWY	730_34	24 gpm	65 ft.
3	39	3FWY	730_34	24 gpm	65 ft.
3	40	3FWY	730_34	24 gpm	65 ft.
3	41	3FWY	730_34	24 gpm	65 ft.
3	42	3FWY	730_34	24 gpm	65 ft.
3	43	3FWY	730_34	24 gpm	65 ft.
3	44	3FWY	730_34	24 gpm	65 ft.
3	45	3FWY	730_34	24 gpm	65 ft.
3	46	3FWY	730_34	24 gpm	65 ft.
3	47	3FWY	730_34	24 gpm	65 ft.
3	48	11TEE	2001_15	16.1 gpm	30 ft.
3	49	11TEE	2001_15	16.1 gpm	30 ft.
3	50	11TEE	2001_15	16.1 gpm	30 ft.
3	51	11TEE	2001_15	16.1 gpm	30 ft.
3	52	11TEE	2001_15	16.1 gpm	30 ft.
4	1	3GRN	760_63	16.4 gpm	65 ft.
4	2	3GRN	760_63	16.4 gpm	65 ft.
4	3	3GRN	760_63	16.4 gpm	65 ft.
4	4	3GRN	760_63	16.4 gpm	65 ft.
4	5	3GRN	760_63	16.4 gpm	65 ft.
4	6	3GRN	730_34	24 gpm	65 ft.
4	7	3GRN	730_34	24 gpm	65 ft.
4	8	3GRN	730_34	24 gpm	65 ft.
4	9	3GRN	730_34	24 gpm	65 ft.
4	10	3GRN	730_34	24 gpm	65 ft.

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WATER RESOURCES DEPT

Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
4	11	3SUR	730_34	24 gpm	65 ft.
4	12	3SUR	730_34	24 gpm	65 ft.
4	13	3SUR	730_34	24 gpm	65 ft.
4	14	3SUR	730_34	24 gpm	65 ft.
4	15	3SUR	730_34	24 gpm	65 ft.
4	16	3FWY	730_34	24 gpm	65 ft.
4	17	3FWY	730_34	24 gpm	65 ft.
4	18	3FWY	730_34	24 gpm	65 ft.
4	19	3FWY	730_34	24 gpm	65 ft.
4	20	3APP	730_34	24 gpm	65 ft.
4	21	3APP	730_34	24 gpm	65 ft.
4	22	3FWY	730_34	24 gpm	65 ft.
4	23	3RGH	730_34	24 gpm	65 ft.
4	24	4TEE	2001_15	16.1 gpm	30 ft.
4	25	4TEE	2001_15	16.1 gpm	30 ft.
4	26	4TEE	2001_15	16.1 gpm	30 ft.
4	27	4TEE	2001_15	16.1 gpm	30 ft.
4	28	4RGH	730_34	24 gpm	65 ft.
4	29	4RGH	730_34	24 gpm	65 ft.
4	30	4RGH	730_34	24 gpm	65 ft.
4	31	4RGH	730_34	24 gpm	65 ft.
4	32	4FWY	730_34	24 gpm	65 ft.
4	33	4FWY	730_34	24 gpm	65 ft.
4	34	4FWY	730_34	24 gpm	65 ft.
4	35	4FWY	730_34	24 gpm	65 ft.
4	36	4FWY	730_34	24 gpm	65 ft.
4	37	4FWY	730_34	24 gpm	65 ft.
4	38	4FWY	730_34	24 gpm	65 ft.
4	39	4FWY	730_34	24 gpm	65 ft.
4	40	4FWY	730_34	24 gpm	65 ft.
4	41	4FWY	730_34	24 gpm	65 ft.
4	42	4RGH	730_34	24 gpm	65 ft.
5	1	4GRN	760_63	16.4 gpm	65 ft.
5	2	4GRN	760_63	16.4 gpm	65 ft.
5	3	4GRN	760_63	16.4 gpm	65 ft.
5	4	4GRN	760_63	16.4 gpm	65 ft.
5	5	4GRN	760_63	16.4 gpm	65 ft.
5	6	4GRN	730_34	24 gpm	65 ft.
5	7	4GRN	730_34	24 gpm	65 ft.
5	8	4GRN	730_34	24 gpm	65 ft.
5	9	4GRN	730_34	24 gpm	65 ft.
5	10	4GRN	730_34	24 gpm	65 ft.
5	11	4GRN	730_34	24 gpm	65 ft.
5	12	4SUR	730_34	24 gpm	65 ft.
5	13	4SUR	730_34	24 gpm	65 ft.
5	14	4SUR	730_34	24 gpm	65 ft.

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WATER RESOURCES DEPT
SALEM, OREGON

Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
5	15	4SUR	730_34	24 gpm	65 ft.
5	16	4FWY	730_34	24 gpm	65 ft.
5	17	4FWY	730_34	24 gpm	65 ft.
5	18	4FWY	730_34	24 gpm	65 ft.
5	19	4FWY	730_34	24 gpm	65 ft.
5	20	4FWY	730_34	24 gpm	65 ft.
5	21	4FWY	730_34	24 gpm	65 ft.
5	22	4FWY	730_34	24 gpm	65 ft.
5	23	4FWY	730_34	24 gpm	65 ft.
5	24	4FWY	730_34	24 gpm	65 ft.
5	25	4APP	730_34	24 gpm	65 ft.
5	26	4APP	730_34	24 gpm	65 ft.
5	27	4APP	730_34	24 gpm	65 ft.
5	28	4RGH	730_34	24 gpm	65 ft.
5	29	4FWY	730_34	24 gpm	65 ft.
5	30	5TEE	2001_15	16.1 gpm	30 ft.
5	31	5TEE	2001_15	16.1 gpm	30 ft.
5	32	5TEE	2001_15	16.1 gpm	30 ft.
5	33	5TEE	2001_15	16.1 gpm	30 ft.
5	34	5TSUR	2001_15	16.1 gpm	30 ft.
5	35	5TSUR	2001_15	16.1 gpm	30 ft.
5	36	8TEE	2001_15	16.1 gpm	30 ft.
5	37	8TEE	2001_15	16.1 gpm	30 ft.
5	38	8TEE	2001_15	16.1 gpm	30 ft.
5	39	8TEE	2001_15	16.1 gpm	30 ft.
5	40	8TSUR	2001_15	16.1 gpm	30 ft.
5	41	8TSUR	2001_15	16.1 gpm	30 ft.
5	42	8TSUR	2001_15	16.1 gpm	30 ft.
5	43	8FWY	730_34	24 gpm	65 ft.
5	44	8FWY	730_34	24 gpm	65 ft.
5	45	8FWY	730_34	24 gpm	65 ft.
5	46	8FWY	730_34	24 gpm	65 ft.
5	47	8FWY	730_34	24 gpm	65 ft.
5	48	8FWY	730_34	24 gpm	65 ft.
5	49	8FWY	760_63	16.4 gpm	65 ft.
5	50	8FWY	760_63	16.4 gpm	65 ft.
5	51	8FWY	730_34	24 gpm	65 ft.
5	52	8FWY	730_34	24 gpm	65 ft.
5	53	8FWY	730_34	24 gpm	65 ft.
5	54	8FWY	760_63	16.4 gpm	65 ft.
5	55	8FWY	730_34	24 gpm	65 ft.
5	56	8FWY	730_34	24 gpm	65 ft.
5	57	8FWY	730_34	24 gpm	65 ft.
5	58	8RGH	730_34	24 gpm	65 ft.
6	1	5GRN	760_63	16.4 gpm	65 ft.
6	2	5GRN	760_63	16.4 gpm	65 ft.

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WATER RESOURCES DEPT.
SALEM, OREGON

Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
6	3	5GRN	760_63	16.4 gpm	65 ft.
6	4	5GRN	760_63	16.4 gpm	65 ft.
6	5	5GRN	760_63	16.4 gpm	65 ft.
6	6	5GRN	730_34	24 gpm	65 ft.
6	7	5GRN	730_34	24 gpm	65 ft.
6	8	5GRN	730_34	24 gpm	65 ft.
6	9	5GRN	730_34	24 gpm	65 ft.
6	10	5GRN	730_34	24 gpm	65 ft.
6	11	5APP	730_34	24 gpm	65 ft.
6	12	5SUR	730_34	24 gpm	65 ft.
6	13	5SUR	730_34	24 gpm	65 ft.
6	14	5SUR	730_34	24 gpm	65 ft.
6	15	5FWY	730_34	24 gpm	65 ft.
6	16	5FWY	730_34	24 gpm	65 ft.
6	17	5FWY	730_34	24 gpm	65 ft.
6	18	5FWY	730_34	24 gpm	65 ft.
6	19	5FWY	730_34	24 gpm	65 ft.
6	20	5FWY	730_34	24 gpm	65 ft.
6	21	5FWY	730_34	24 gpm	65 ft.
6	22	5FWY	730_34	24 gpm	65 ft.
6	23	5APP	730_34	24 gpm	65 ft.
6	24	5APP	730_34	24 gpm	65 ft.
6	25	6GRN	760_63	16.4 gpm	65 ft.
6	26	6GRN	760_63	16.4 gpm	65 ft.
6	27	6GRN	760_63	16.4 gpm	65 ft.
6	28	6GRN	760_63	16.4 gpm	65 ft.
6	29	6GRN	730_34	24 gpm	65 ft.
6	30	6GRN	730_34	24 gpm	65 ft.
6	31	6GRN	730_34	24 gpm	65 ft.
6	32	6GRN	730_34	24 gpm	65 ft.
6	33	6SUR	730_34	24 gpm	65 ft.
6	34	6SUR	730_34	24 gpm	65 ft.
6	35	6SUR	730_34	24 gpm	65 ft.
6	36	6SUR	730_34	24 gpm	65 ft.
6	37	6SUR	760_63	16.4 gpm	65 ft.
6	38	6SUR	760_63	16.4 gpm	65 ft.
6	39	6SUR	760_63	16.4 gpm	65 ft.
6	40	6RGH	730_34	24 gpm	65 ft.
6	41	6RGH	730_34	24 gpm	65 ft.
6	42	6RGH	730_34	24 gpm	65 ft.
6	43	6APP	730_34	24 gpm	65 ft.
6	44	6TEE	2001_15	16.1 gpm	30 ft.
6	45	6TEE	2001_15	16.1 gpm	30 ft.
6	46	6TEE	2001_15	16.1 gpm	30 ft.
6	47	6TSUR	2001_15	16.1 gpm	30 ft.
6	48	6TSUR	2001_15	16.1 gpm	30 ft.

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WATER RESOURCES DEPT
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WATER RESOURCES DEPT
SALEM, OREGON

Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
6	49	7TEE	2001_15	16.1 gpm	30 ft.
6	50	7TEE	2001_15	16.1 gpm	30 ft.
6	51	7TEE	2001_15	16.1 gpm	30 ft.
6	52	7TSUR	2001_15	16.1 gpm	30 ft.
6	53	7TSUR	2001_15	16.1 gpm	30 ft.
6	54	7TSUR	2001_15	16.1 gpm	30 ft.
6	55	*	*	0 gpm	60 ft.
7	1	7GRN	760_63	16.4 gpm	65 ft.
7	2	7GRN	760_63	16.4 gpm	65 ft.
7	3	7GRN	760_63	16.4 gpm	65 ft.
7	4	7GRN	760_63	16.4 gpm	65 ft.
7	5	7GRN	760_63	16.4 gpm	65 ft.
7	6	7GRN	730_34	24 gpm	65 ft.
7	7	7GRN	730_34	24 gpm	65 ft.
7	8	7GRN	730_34	24 gpm	65 ft.
7	9	7GRN	730_34	24 gpm	65 ft.
7	10	7GRN	730_34	24 gpm	65 ft.
7	11	7SUR	730_34	24 gpm	65 ft.
7	12	7SUR	730_34	24 gpm	65 ft.
7	13	7SUR	730_34	24 gpm	65 ft.
7	14	7FWY	730_34	24 gpm	65 ft.
7	15	7FWY	730_34	24 gpm	65 ft.
7	16	7RGH	730_34	24 gpm	65 ft.
7	17	7FWY	730_34	24 gpm	65 ft.
7	18	7FWY	730_34	24 gpm	65 ft.
7	19	7FWY	730_34	24 gpm	65 ft.
7	20	7FWY	730_34	24 gpm	65 ft.
7	21	7FWY	730_34	24 gpm	65 ft.
7	22	7FWY	730_34	24 gpm	65 ft.
7	23	7FWY	730_34	24 gpm	65 ft.
7	24	7FWY	730_34	24 gpm	65 ft.
7	25	7FWY	730_34	24 gpm	65 ft.
7	26	7FWY	730_34	24 gpm	65 ft.
7	27	7FWY	730_34	24 gpm	65 ft.
7	28	7FWY	730_34	24 gpm	65 ft.
7	29	7FWY	730_34	24 gpm	65 ft.
7	30	7FWY	730_34	24 gpm	65 ft.
7	31	7FWY	730_34	24 gpm	65 ft.
7	32	7APP	730_34	24 gpm	65 ft.
7	33	7FWY	730_34	27.5 gpm	65 ft.
7	34	7APP	730_34	24 gpm	65 ft.
7	35	7SUR	730_34	24 gpm	65 ft.
7	36	5TSUR	730_34	24 gpm	65 ft.
7	37	5FWY	730_34	24 gpm	65 ft.
7	38	5FWY	730_34	24 gpm	65 ft.
7	39	5FWY	730_34	24 gpm	65 ft.

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MAY 31 2012

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WATER RESOURCES DEPT

WATER RESOURCES DEPT
SALEM, OREGON

Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
7	40	5FWY	730_34	24 gpm	65 ft.
7	41	5RGH	730_34	24 gpm	65 ft.
7	42	5FWY	730_34	24 gpm	65 ft.
7	43	5FWY	730_34	24 gpm	65 ft.
7	44	5FWY	730_34	24 gpm	65 ft.
7	45	5FWY	730_34	24 gpm	65 ft.
7	46	5FWY	730_34	24 gpm	65 ft.
7	47	5FWY	730_34	24 gpm	65 ft.
7	48	5FWY	730_34	24 gpm	65 ft.
7	49	5FWY	730_34	24 gpm	65 ft.
7	50	5FWY	730_34	24 gpm	65 ft.
7	51	5FWY	730_34	24 gpm	65 ft.
7	52	5FWY	730_34	24 gpm	65 ft.
8	1	9GRN	760_63	16.4 gpm	65 ft.
8	2	9GRN	760_63	16.4 gpm	65 ft.
8	3	9GRN	760_63	16.4 gpm	65 ft.
8	4	9GRN	760_63	16.4 gpm	65 ft.
8	5	9GRN	760_63	16.4 gpm	65 ft.
8	6	9GRN	730_34	24 gpm	65 ft.
8	7	9GRN	730_34	24 gpm	65 ft.
8	8	9GRN	730_34	24 gpm	65 ft.
8	9	9GRN	730_34	24 gpm	65 ft.
8	10	9GRN	730_34	24 gpm	65 ft.
8	11	9APP	730_34	24 gpm	65 ft.
8	12	9SUR	730_34	24 gpm	65 ft.
8	13	9SUR	730_34	24 gpm	65 ft.
8	14	9SUR	730_34	24 gpm	65 ft.
8	15	9SUR	730_34	24 gpm	65 ft.
8	16	9SUR	730_34	24 gpm	65 ft.
8	17	9TEE	2001_15	16.1 gpm	30 ft.
8	18	9TEE	2001_15	16.1 gpm	30 ft.
8	19	9TEE	2001_15	16.1 gpm	30 ft.
8	20	9TEE	2001_15	16.1 gpm	30 ft.
8	21	9TSUR	2001_15	16.1 gpm	30 ft.
8	22	9TSUR	2001_15	16.1 gpm	30 ft.
8	23	9RGH	730_34	24 gpm	65 ft.
8	24	9RGH	730_34	24 gpm	65 ft.
8	25	9FWY	730_34	24 gpm	65 ft.
8	26	9FWY	730_34	24 gpm	65 ft.
8	27	9FWY	730_34	24 gpm	65 ft.
8	28	9RGH	730_34	24 gpm	65 ft.
8	29	9FWY	730_34	24 gpm	65 ft.
8	30	9FWY	730_34	24 gpm	65 ft.
8	31	9FWY	730_34	24 gpm	65 ft.
8	32	9FWY	730_34	24 gpm	65 ft.
8	33	9RGH	730_34	24 gpm	65 ft.

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WATER RESOURCES DEPT
SALEM, OREGON

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WATER RESOURCES DEPT
SALEM, OREGON

Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
8	34	9RGH	730_34	24 gpm	65 ft.
8	35	9FWY	730_34	24 gpm	65 ft.
8	36	9FWY	730_34	24 gpm	65 ft.
8	37	9FWY	730_34	24 gpm	65 ft.
8	38	9FWY	730_34	24 gpm	65 ft.
8	39	9FWY	730_34	24 gpm	65 ft.
8	40	9RGH	730_34	24 gpm	65 ft.
8	41	9RGH	730_34	24 gpm	65 ft.
8	42	9FWY	730_34	24 gpm	65 ft.
8	43	9FWY	730_34	24 gpm	65 ft.
8	44	9FWY	730_34	24 gpm	65 ft.
8	45	9FWY	730_34	24 gpm	65 ft.
8	46	9FWY	730_34	24 gpm	65 ft.
8	47	9RGH	730_34	24 gpm	65 ft.
8	48	9RGH	730_34	24 gpm	65 ft.
8	49	9FWY	730_34	24 gpm	65 ft.
8	50	9FWY	730_34	24 gpm	65 ft.
8	51	9FWY	730_34	24 gpm	65 ft.
8	52	9RGH	730_34	24 gpm	65 ft.
8	53	9FWY	730_34	24 gpm	65 ft.
8	54	9APP	730_34	24 gpm	65 ft.
8	55	9APP	730_34	24 gpm	65 ft.
8	56	9FWY	730_34	24 gpm	65 ft.
9	1	10GRN	760_63	16.4 gpm	65 ft.
9	2	10GRN	760_63	16.4 gpm	65 ft.
9	3	10GRN	760_63	16.4 gpm	65 ft.
9	4	10GRN	760_63	16.4 gpm	65 ft.
9	5	10GRN	760_63	16.4 gpm	65 ft.
9	6	10GRN	730_34	24 gpm	65 ft.
9	7	10GRN	730_34	24 gpm	65 ft.
9	8	10GRN	730_34	24 gpm	65 ft.
9	9	10GRN	730_34	24 gpm	65 ft.
9	10	10GRN	730_34	24 gpm	65 ft.
9	11	10SUR	730_34	24 gpm	65 ft.
9	12	10SUR	730_34	24 gpm	65 ft.
9	13	10SUR	730_34	24 gpm	65 ft.
9	14	10SUR	730_34	24 gpm	65 ft.
9	15	10TEE	730_34	24 gpm	65 ft.
9	16	10TEE	730_34	24 gpm	65 ft.
9	17	10TEE	2001_15	16.1 gpm	30 ft.
9	18	10TEE	2001_15	16.1 gpm	30 ft.
9	19	10TEE	2001_15	16.1 gpm	30 ft.
9	20	10TSUR	2001_15	16.1 gpm	30 ft.
9	21	10TSUR	730_34	24 gpm	65 ft.
9	22	10TSUR	730_34	24 gpm	65 ft.
9	23	10FWY	730_34	24 gpm	65 ft.

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Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
9	24	10FWY	730_34	24 gpm	65 ft.
9	25	10FWY	730_34	24 gpm	65 ft.
9	26	10FWY	730_34	24 gpm	65 ft.
9	27	10FWY	730_34	24 gpm	65 ft.
9	28	10FWY	730_34	24 gpm	65 ft.
9	29	10FWY	730_34	24 gpm	65 ft.
9	30	10FWY	730_34	24 gpm	65 ft.
9	31	10FWY	730_34	24 gpm	65 ft.
9	32	10FWY	730_34	24 gpm	65 ft.
9	33	10FWY	730_34	24 gpm	65 ft.
9	34	10FWY	730_34	24 gpm	65 ft.
9	35	10FWY	730_34	24 gpm	65 ft.
9	36	10FWY	730_34	24 gpm	65 ft.
9	37	10FWY	730_34	24 gpm	65 ft.
9	38	10FWY	730_34	24 gpm	65 ft.
9	39	10FWY	730_34	24 gpm	65 ft.
9	40	10FWY	730_34	24 gpm	65 ft.
9	41	10FWY	730_34	24 gpm	65 ft.
9	42	10FWY	730_34	24 gpm	65 ft.
9	43	10APP	730_34	24 gpm	65 ft.
9	44	10APP	730_34	24 gpm	65 ft.
9	45	10APP	730_34	24 gpm	65 ft.
10	1	11GRN	760_63	16.4 gpm	65 ft.
10	2	11GRN	760_63	16.4 gpm	65 ft.
10	3	11GRN	760_63	16.4 gpm	65 ft.
10	4	11GRN	760_63	16.4 gpm	65 ft.
10	5	11GRN	760_63	16.4 gpm	65 ft.
10	6	11GRN	730_34	24 gpm	65 ft.
10	7	11GRN	730_34	24 gpm	65 ft.
10	8	11GRN	730_34	24 gpm	65 ft.
10	9	11GRN	730_34	24 gpm	65 ft.
10	10	11GRN	730_34	24 gpm	65 ft.
10	11	11SUR	730_34	24 gpm	65 ft.
10	12	11SUR	730_34	24 gpm	65 ft.
10	13	11SUR	730_34	24 gpm	65 ft.
10	14	11SUR	730_34	24 gpm	65 ft.
10	15	11FWY	730_34	24 gpm	65 ft.
10	16	11FWY	730_34	24 gpm	65 ft.
10	17	11FWY	730_34	24 gpm	65 ft.
10	18	11FWY	730_34	27.5 gpm	65 ft.
10	19	11FWY	730_34	24 gpm	65 ft.
10	20	11FWY	730_34	24 gpm	65 ft.
10	21	11FWY	730_34	24 gpm	65 ft.
10	22	11FWY	730_34	27.5 gpm	65 ft.
10	23	11FWY	730_34	24 gpm	65 ft.
10	24	11FWY	730_34	24 gpm	65 ft.

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Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
10	25	11FWY	730_34	24 gpm	65 ft.
10	26	11FWY	730_34	24 gpm	65 ft.
10	27	11FWY	730_34	24 gpm	65 ft.
10	28	11FWY	730_34	24 gpm	65 ft.
10	29	11FWY	730_34	27.5 gpm	65 ft.
10	30	11FWY	730_34	24 gpm	65 ft.
10	31	11FWY	730_34	24 gpm	65 ft.
10	32	11FWY	730_34	24 gpm	65 ft.
10	33	11FWY	730_34	27.5 gpm	65 ft.
10	34	11FWY	730_34	24 gpm	65 ft.
10	35	11FWY	730_34	24 gpm	65 ft.
10	36	11FWY	730_34	24 gpm	65 ft.
10	37	11FWY	730_34	27.5 gpm	65 ft.
10	38	11FWY	730_34	24 gpm	65 ft.
10	39	11FWY	730_34	24 gpm	65 ft.
10	40	11FWY	730_34	24 gpm	65 ft.
10	41	11FWY	730_34	24 gpm	65 ft.
10	42	11FWY	730_34	24 gpm	65 ft.
10	43	11APP	730_34	24 gpm	65 ft.
10	44	11APP	730_34	24 gpm	65 ft.
10	45	11APP	730_34	24 gpm	65 ft.
10	46	11FWY	730_34	24 gpm	65 ft.
10	47	11APP	730_34	24 gpm	65 ft.
10	48	11APP	730_34	24 gpm	65 ft.
10	49	12TEE	2001_15	16.1 gpm	30 ft.
10	50	12TEE	2001_15	16.1 gpm	30 ft.
10	51	12TEE	2001_15	16.1 gpm	30 ft.
10	52	12TEE	2001_15	16.1 gpm	30 ft.
10	53	12TSUR	2001_15	16.1 gpm	30 ft.
10	54	12TSUR	2001_15	16.1 gpm	30 ft.
11	1	12GRN	760_63	16.4 gpm	65 ft.
11	2	12GRN	760_63	16.4 gpm	65 ft.
11	3	12GRN	760_63	16.4 gpm	65 ft.
11	4	12GRN	760_63	16.4 gpm	65 ft.
11	5	12GRN	760_63	16.4 gpm	65 ft.
11	6	12GRN	730_34	24 gpm	65 ft.
11	7	12GRN	730_34	24 gpm	65 ft.
11	8	12GRN	730_34	24 gpm	65 ft.
11	9	12GRN	730_34	24 gpm	65 ft.
11	10	12GRN	730_34	24 gpm	65 ft.
11	11	12SUR	730_34	24 gpm	65 ft.
11	12	12SUR	730_34	24 gpm	65 ft.
11	13	12SUR	730_34	24 gpm	65 ft.
11	14	12SUR	760_63	16.4 gpm	65 ft.
11	15	12SUR	2001_15	16.1 gpm	65 ft.
11	16	12SUR	760_63	16.4 gpm	65 ft.

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Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
11	17	12SUR	760_63	16.4 gpm	65 ft.
11	18	12FWY	730_34	24 gpm	65 ft.
11	19	12FWY	730_34	24 gpm	65 ft.
11	20	12APP	730_34	24 gpm	65 ft.
11	21	12FWY	760_63	16.4 gpm	65 ft.
11	22	12FWY	730_34	24 gpm	65 ft.
11	23	12APP	730_34	24 gpm	65 ft.
11	24	12APP	730_34	24 gpm	65 ft.
11	25	12FWY	760_63	16.4 gpm	65 ft.
11	26	12FWY	730_34	24 gpm	65 ft.
11	27	12FWY	730_34	24 gpm	65 ft.
11	28	12FWY	730_34	24 gpm	65 ft.
11	29	12FWY	760_63	16.4 gpm	65 ft.
11	30	12FWY	730_34	24 gpm	65 ft.
11	31	12FWY	730_34	24 gpm	65 ft.
11	32	12FWY	730_34	24 gpm	65 ft.
11	33	12FWY	730_34	24 gpm	65 ft.
11	34	12FWY	730_34	24 gpm	65 ft.
11	35	12FWY	730_34	24 gpm	65 ft.
11	36	12FWY	760_63	16.4 gpm	65 ft.
11	37	12FWY	760_63	16.4 gpm	65 ft.
11	38	12FWY	730_34	24 gpm	65 ft.
11	39	12FWY	730_34	24 gpm	65 ft.
11	40	12FWY	730_34	24 gpm	65 ft.
11	41	12FWY	760_63	16.4 gpm	65 ft.
11	42	12FWY	730_34	24 gpm	65 ft.
11	43	12FWY	730_34	24 gpm	65 ft.
11	44	12FWY	730_34	24 gpm	65 ft.
11	45	12FWY	730_34	24 gpm	65 ft.
11	46	12FWY	730_34	24 gpm	65 ft.
11	47	12FWY	730_34	24 gpm	65 ft.
11	48	12FWY	730_34	24 gpm	65 ft.
11	49	12FWY	730_34	24 gpm	65 ft.
11	50	12FWY	760_63	16.4 gpm	65 ft.
11	51	12FWY	760_63	16.4 gpm	65 ft.
11	52	12FWY	730_34	24 gpm	65 ft.
11	53	12FWY	760_63	16.4 gpm	65 ft.
11	54	12FWY	730_34	24 gpm	65 ft.
11	55	12FWY	760_63	16.4 gpm	65 ft.
12	1	13GRN	760_63	16.4 gpm	65 ft.
12	2	13GRN	760_63	16.4 gpm	65 ft.
12	3	13GRN	760_63	16.4 gpm	65 ft.
12	4	13GRN	760_63	16.4 gpm	65 ft.
12	5	13GRN	760_63	16.4 gpm	65 ft.
12	6	13GRN	730_34	24 gpm	65 ft.
12	7	13GRN	730_34	24 gpm	65 ft.

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Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
12	8	13GRN	730_34	24 gpm	65 ft.
12	9	13GRN	730_34	24 gpm	65 ft.
12	10	13GRN	730_34	24 gpm	65 ft.
12	11	13SUR	730_34	24 gpm	65 ft.
12	12	13SUR	730_34	24 gpm	65 ft.
12	13	13SUR	730_34	24 gpm	65 ft.
12	14	13SUR	730_34	24 gpm	65 ft.
12	15	13SUR	730_34	24 gpm	65 ft.
12	16	13SUR	730_34	24 gpm	65 ft.
12	17	13SUR	730_34	24 gpm	65 ft.
12	18	13FWY	760_63	16.4 gpm	65 ft.
12	19	13APP	730_34	24 gpm	65 ft.
12	20	13FWY	730_34	24 gpm	65 ft.
12	21	13APP	730_34	24 gpm	65 ft.
12	22	13APP	730_34	24 gpm	65 ft.
12	23	13FWY	730_34	24 gpm	65 ft.
12	24	13FWY	730_34	24 gpm	65 ft.
12	25	13FWY	730_34	24 gpm	65 ft.
12	26	13FWY	730_34	24 gpm	65 ft.
12	27	13FWY	730_34	24 gpm	65 ft.
12	28	13FWY	730_34	24 gpm	65 ft.
12	29	13FWY	730_34	24 gpm	65 ft.
12	30	13RGH	730_34	24 gpm	65 ft.
12	31	14TEE	2001_15	16.1 gpm	30 ft.
12	32	14TEE	2001_15	16.1 gpm	30 ft.
12	33	14TEE	2001_15	16.1 gpm	30 ft.
12	34	14TEE	2001_15	16.1 gpm	30 ft.
12	35	14TEE	2001_15	16.1 gpm	30 ft.
12	36	14TSUR	2001_15	16.1 gpm	30 ft.
12	37	14TSUR	2001_15	16.1 gpm	30 ft.
12	38	13TEE	2001_15	16.1 gpm	30 ft.
12	39	13TEE	2001_15	16.1 gpm	30 ft.
12	40	13TEE	2001_15	16.1 gpm	30 ft.
12	41	13TEE	2001_15	16.1 gpm	30 ft.
12	42	13TSUR	730_34	27.5 gpm	65 ft.
12	43	13FWY	730_34	24 gpm	65 ft.
12	44	13FWY	730_34	24 gpm	65 ft.
12	45	13FWY	730_34	24 gpm	65 ft.
12	46	13RGH	730_34	24 gpm	65 ft.
12	47	13FWY	730_34	24 gpm	65 ft.
12	48	13FWY	730_34	24 gpm	65 ft.
12	49	13FWY	730_34	27.5 gpm	65 ft.
12	50	13FWY	730_34	24 gpm	65 ft.
12	51	13FWY	730_34	24 gpm	65 ft.
12	52	13FWY	730_34	24 gpm	65 ft.
12	53	13FWY	730_34	24 gpm	65 ft.

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WATER RESOURCES DEPT
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Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
12	54	13RGH	730_34	24 gpm	65 ft.
12	55	13FWY	730_34	24 gpm	65 ft.
12	56	13FWY	730_34	24 gpm	65 ft.
12	57	13FWY	730_34	24 gpm	65 ft.
12	58	13RGH	730_34	24 gpm	65 ft.
12	59	13FWY	730_34	24 gpm	65 ft.
12	60	13FWY	730_34	24 gpm	65 ft.
12	61	13FWY	730_34	24 gpm	65 ft.
12	62	13RGH	730_34	24 gpm	65 ft.
12	63	13RGH	730_34	24 gpm	65 ft.
12	64	13RGH	730_34	24 gpm	65 ft.
13	1	14GRN	760_63	16.4 gpm	65 ft.
13	2	14GRN	760_63	16.4 gpm	65 ft.
13	3	14GRN	760_63	16.4 gpm	65 ft.
13	4	14GRN	760_63	16.4 gpm	65 ft.
13	5	14GRN	730_34	24 gpm	65 ft.
13	6	14GRN	730_34	24 gpm	65 ft.
13	7	14GRN	730_34	24 gpm	65 ft.
13	8	14SUR	570_12-H.1/2	1.55 gpm	12 ft.
13	9	14SUR	760_63	16.4 gpm	65 ft.
13	10	14SUR	760_63	16.4 gpm	65 ft.
13	11	14SUR	760_63	16.4 gpm	65 ft.
13	12	14SUR	730_34	24 gpm	65 ft.
13	13	14SUR	730_34	24 gpm	65 ft.
13	14	14SUR	730_34	24 gpm	65 ft.
13	15	14SUR	730_34	24 gpm	65 ft.
13	16	14SUR	760_63	16.4 gpm	65 ft.
13	17	14SUR	2001_15	16.1 gpm	40 ft.
13	18	15FWY	730_34	24 gpm	65 ft.
13	19	15FWY	730_34	24 gpm	65 ft.
13	20	15RGH	730_34	24 gpm	65 ft.
13	21	15FWY	730_34	24 gpm	65 ft.
13	22	15FWY	730_34	24 gpm	65 ft.
13	23	15FWY	730_34	24 gpm	65 ft.
13	24	15FWY	730_34	24 gpm	65 ft.
13	25	15FWY	730_34	24 gpm	65 ft.
13	26	15FWY	730_34	24 gpm	65 ft.
13	27	15RGH	730_34	24 gpm	65 ft.
13	28	15FWY	730_34	24 gpm	65 ft.
13	29			24 gpm	65 ft.
13	30	15FWY	730_34	24 gpm	65 ft.
13	31	15FWY	730_34	24 gpm	65 ft.
13	32	15RGH	730_34	24 gpm	65 ft.
13	33	15FWY	730_34	24 gpm	65 ft.
13	34	15FWY	730_34	24 gpm	65 ft.
13	35	15FWY	730_34	24 gpm	65 ft.

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WATER RESOURCES DEPT
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Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
13	36	15RGH	730_34	24 gpm	65 ft.
13	37	15FWY	730_34	24 gpm	65 ft.
13	38	15RGH	760_63	16.4 gpm	65 ft.
13	39	15FWY	730_34	24 gpm	65 ft.
13	40	15FWY	730_34	24 gpm	65 ft.
13	41	15FWY	730_34	24 gpm	65 ft.
13	42	15RGH	730_34	24 gpm	65 ft.
13	43	15FWY	730_34	24 gpm	65 ft.
13	44	15FWY	730_34	24 gpm	65 ft.
13	45	17FWY	730_34	24 gpm	65 ft.
13	46	15RGH	730_34	24 gpm	65 ft.
13	47	15TSUR	760_63	16.4 gpm	65 ft.
13	48	17FWY	730_34	24 gpm	65 ft.
13	49	15TSUR	760_63	16.4 gpm	65 ft.
13	50	17FWY	730_34	24 gpm	65 ft.
13	51	17FWY	730_34	24 gpm	65 ft.
13	52	15TEE	2001_15	16.1 gpm	30 ft.
13	53	15TEE	2001_15	16.1 gpm	30 ft.
13	54	15TEE	2001_15	16.1 gpm	30 ft.
13	55	15TEE	2001_15	16.1 gpm	30 ft.
13	56	15FWY	730_34	24 gpm	65 ft.
14	1	16GRN	760_63	16.4 gpm	65 ft.
14	2	16GRN	760_63	16.4 gpm	65 ft.
14	3	16GRN	760_63	16.4 gpm	65 ft.
14	4	16GRN	760_63	16.4 gpm	65 ft.
14	5	16GRN	730_34	24 gpm	65 ft.
14	6	16GRN	730_34	24 gpm	65 ft.
14	7	16GRN	730_34	24 gpm	65 ft.
14	8	16GRN	730_34	24 gpm	65 ft.
14	9	16SUR	730_34	24 gpm	65 ft.
14	10	16SUR	730_34	24 gpm	65 ft.
14	11	16SUR	2001_15	16.1 gpm	30 ft.
14	12	16TEE	2001_15	16.1 gpm	30 ft.
14	13	16TEE	2001_15	16.1 gpm	30 ft.
14	14	16TSUR	2001_15	16.1 gpm	30 ft.
14	15	16TSUR	2001_15	16.1 gpm	30 ft.
14	16	16RGH	760_63	16.4 gpm	65 ft.
14	17	16RGH	730_34	24 gpm	65 ft.
14	18	16FWY	730_34	24 gpm	65 ft.
14	19	16FWY	730_34	24 gpm	65 ft.
14	20	16FWY	730_34	24 gpm	65 ft.
14	21	16FWY	730_34	24 gpm	65 ft.
14	22	16APP	730_34	24 gpm	65 ft.
14	23	16APP	730_34	24 gpm	65 ft.
14	24	16RGH	730_34	24 gpm	65 ft.
14	25	16RGH	760_63	16.4 gpm	65 ft.

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Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
14	26	15GRN	760_63	16.4 gpm	65 ft.
14	27	15GRN	760_63	16.4 gpm	65 ft.
14	28	15GRN	760_63	16.4 gpm	65 ft.
14	29	15GRN	760_63	16.4 gpm	65 ft.
14	30	15GRN	760_63	16.4 gpm	65 ft.
14	31	15GRN	730_34	24 gpm	65 ft.
14	32	15GRN	730_34	24 gpm	65 ft.
14	33	15GRN	730_34	24 gpm	65 ft.
14	34	15GRN	730_34	24 gpm	65 ft.
14	35	15GRN	730_34	24 gpm	65 ft.
14	36	15SUR	730_34	24 gpm	65 ft.
14	37	15SUR	730_34	24 gpm	65 ft.
14	38	15SUR	730_34	24 gpm	65 ft.
14	39	15APP	730_34	24 gpm	65 ft.
14	40	15APP	730_34	24 gpm	65 ft.
14	41	15FWY	730_34	24 gpm	65 ft.
14	42	15FWY	730_34	24 gpm	65 ft.
14	43	15FWY	730_34	24 gpm	65 ft.
14	44	15FWY	730_34	24 gpm	65 ft.
14	45	15FWY	730_34	24 gpm	65 ft.
14	46	15FWY	730_34	24 gpm	65 ft.
14	47	15FWY	730_34	24 gpm	65 ft.
14	48	15FWY	730_34	24 gpm	65 ft.
14	49	15FWY	730_34	24 gpm	65 ft.
14	50	15FWY	730_34	24 gpm	65 ft.
14	51	15FWY	730_34	24 gpm	65 ft.
15	1	17GRN	760_63	16.4 gpm	65 ft.
15	2	17GRN	760_63	16.4 gpm	65 ft.
15	3	17GRN	760_63	16.4 gpm	65 ft.
15	4	17GRN	760_63	16.4 gpm	65 ft.
15	5	17GRN	730_34	24 gpm	65 ft.
15	6	17GRN	730_34	24 gpm	65 ft.
15	7	17SUR	760_63	16.4 gpm	65 ft.
15	8	17SUR	2001_15	16.1 gpm	30 ft.
15	9	17APP	730_34	24 gpm	65 ft.
15	10	17APP	730_34	24 gpm	65 ft.
15	11	17SUR	730_34	24 gpm	65 ft.
15	12	17TEE	2001_15	16.1 gpm	30 ft.
15	13	17TEE	2001_15	16.1 gpm	30 ft.
15	14	17TEE	2001_15	16.1 gpm	30 ft.
15	15	17TEE	2001_15	16.1 gpm	30 ft.
15	16	17TSUR	2001_15	16.1 gpm	30 ft.
15	17	17TSUR	2001_15	16.1 gpm	30 ft.
15	18	17RGH	730_34	24 gpm	65 ft.
15	19	17RGH	730_34	24 gpm	65 ft.
15	20	17RGH	730_34	24 gpm	65 ft.

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Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
15	21	17FWY	730_34	24 gpm	65 ft.
15	22	17FWY	730_34	24 gpm	65 ft.
15	23	17FWY	730_34	24 gpm	65 ft.
15	24	17RGH	730_34	24 gpm	65 ft.
15	25	17FWY	730_34	24 gpm	65 ft.
15	26	17FWY	730_34	24 gpm	65 ft.
15	27	17FWY	730_34	24 gpm	65 ft.
15	28	17FWY	730_34	24 gpm	65 ft.
15	29	17FWY	730_34	24 gpm	65 ft.
15	30	17FWY	730_34	24 gpm	65 ft.
15	31	17FWY	730_34	24 gpm	65 ft.
15	32	17FWY	730_34	24 gpm	65 ft.
15	33	17FWY	730_34	24 gpm	65 ft.
15	34	17FWY	730_34	24 gpm	65 ft.
15	35	17FWY	730_34	24 gpm	65 ft.
15	36	17FWY	730_34	24 gpm	65 ft.
15	37	17APP	730_34	24 gpm	65 ft.
15	38	17APP	730_34	24 gpm	65 ft.
15	39	17APP	730_34	24 gpm	65 ft.
15	40	18TEE	2001_15	16.1 gpm	30 ft.
15	41	18TEE	2001_15	16.1 gpm	30 ft.
15	42	18TEE	2001_15	16.1 gpm	30 ft.
15	43	18TEE	2001_15	16.1 gpm	30 ft.
15	44	18TSUR	2001_15	16.1 gpm	30 ft.
15	45	18TSUR	2001_15	16.1 gpm	30 ft.
15	46	18RGH	730_34	24 gpm	65 ft.
15	47	18FWY	730_34	24 gpm	65 ft.
15	48	18FWY	730_34	24 gpm	65 ft.
15	49	18FWY	730_34	24 gpm	65 ft.
15	50	18FWY	730_34	24 gpm	65 ft.
15	51	18FWY	730_34	24 gpm	65 ft.
15	52	18FWY	730_34	24 gpm	65 ft.
15	53	18FWY	730_34	24 gpm	65 ft.
15	54	18FWY	730_34	24 gpm	65 ft.
15	55	18FWY	730_34	24 gpm	65 ft.
15	56	18FWY	730_34	24 gpm	65 ft.
15	57	18FWY	730_34	24 gpm	65 ft.
15	58	18FWY	730_34	24 gpm	65 ft.
15	59	18FWY	730_34	24 gpm	65 ft.
16	1	18GRN	760_63	16.4 gpm	65 ft.
16	2	18GRN	760_63	16.4 gpm	65 ft.
16	3	18GRN	760_63	16.4 gpm	65 ft.
16	4	18GRN	760_63	16.4 gpm	65 ft.
16	5	18GRN	760_63	16.4 gpm	65 ft.
16	6	18GRN	730_34	24 gpm	65 ft.
16	7	18GRN	730_34	24 gpm	65 ft.

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Station DataBase

Group = All, Satellite = All

Sats	Sta	Name	Noz Type	Noz Flow	Head Spacing
16	8	18GRN	730_34	24 gpm	65 ft.
16	9	18GRN	730_34	24 gpm	65 ft.
16	10	18GRN	730_34	24 gpm	65 ft.
16	11	18SUR	730_34	24 gpm	65 ft.
16	12	18SUR	730_34	24 gpm	65 ft.
16	13	18SUR	730_34	24 gpm	65 ft.
16	14	18SUR	730_34	24 gpm	65 ft.
16	15	18SUR	730_34	24 gpm	65 ft.
16	16	18SUR	730_34	24 gpm	65 ft.
16	17	18APP	730_34	24 gpm	65 ft.
16	18	18FWY	730_34	24 gpm	65 ft.
16	19	18FWY	730_34	24 gpm	65 ft.
16	20	18FWY	730_34	24 gpm	65 ft.
16	21	18APP	730_34	24 gpm	65 ft.
16	22	18FWY	730_34	24 gpm	65 ft.
16	23	18FWY	730_34	24 gpm	65 ft.
16	24	18FWY	730_34	24 gpm	65 ft.
16	25	18FWY	730_34	24 gpm	65 ft.
16	26	18FWY	730_34	24 gpm	65 ft.
16	27	18FWY	730_34	24 gpm	65 ft.
16	28	18FWY	730_34	24 gpm	65 ft.
16	29	18FWY	730_34	24 gpm	65 ft.
16	30	18FWY	730_34	24 gpm	65 ft.
16	31	18FWY	730_34	24 gpm	65 ft.
16	32	18FWY	730_34	24 gpm	65 ft.
16	33	18FWY	730_34	24 gpm	65 ft.
16	34	18FWY	730_34	24 gpm	65 ft.
16	35	18FWY	730_34	24 gpm	65 ft.
16	36	18FWY	730_34	24 gpm	65 ft.
16	37	18FWY	730_34	24 gpm	65 ft.
16	38	18FWY	730_34	24 gpm	65 ft.
16	39	18FWY	730_34	24 gpm	65 ft.
16	40	18FWY	730_34	24 gpm	65 ft.
16	41	18FWY	2001_15	16.1 gpm	40 ft.
16	42	18FWY	2001_15	16.1 gpm	40 ft.
16	43	LNDSCP	570_12-H,1/2	1.3 gpm	12 ft.
16	44	LNDSCP	2001_15	16.1 gpm	40 ft.
16	45	18SUR	730_34	24 gpm	65 ft.
17	1	CHIPGRN	2001_15	16.1 gpm	30 ft.
17	2	CHIPFWY	760_63	16.4 gpm	65 ft.
17	3	CHIPFWY	760_63	16.4 gpm	65 ft.
17	4	LNDSCP	570_12-H,1/2	1.3 gpm	12 ft.
17	5	LNDSCP	570_12-H,1/2	1.3 gpm	12 ft.
17	6	DRT	750_58	53 gpm	80 ft.
17	7	DRT	750_58	53 gpm	80 ft.
17	8	DRT	750_58	53 gpm	80 ft.

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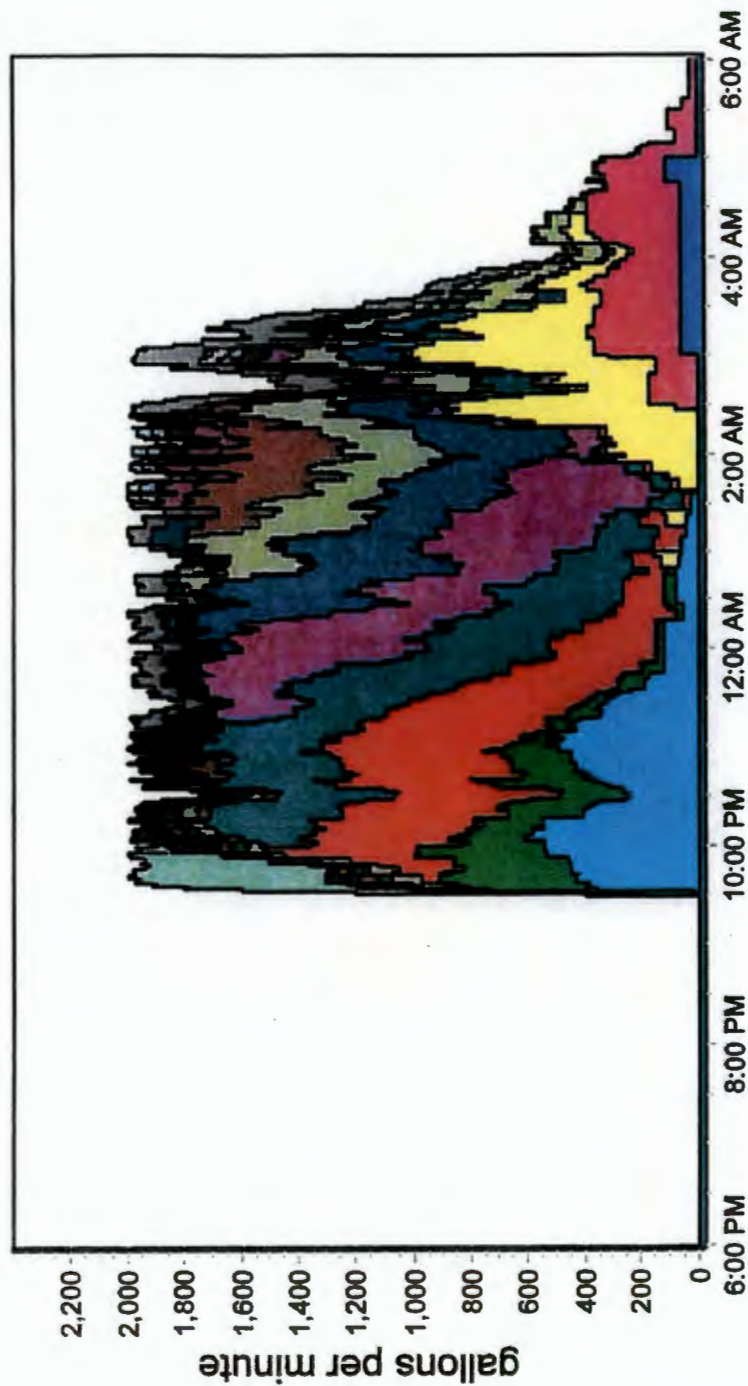
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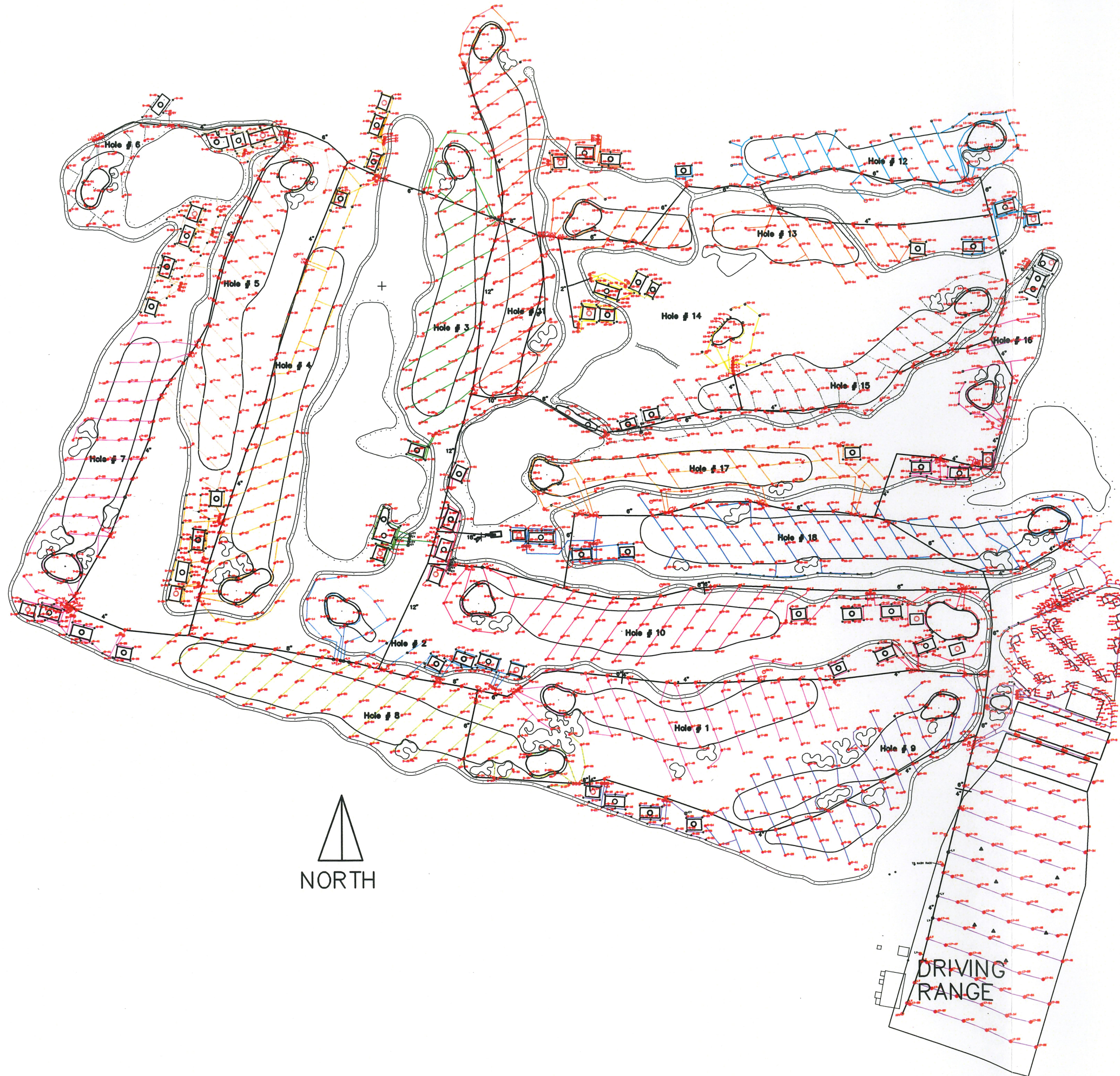
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ATTACHMENT 5
Water Right Information
Permit G-13947
T-9279

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STATE OF OREGON

COUNTY OF CLACKAMAS

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

COUNTY OF CLACKAMAS; DAN ZINZER
9101 SE SUNNYBROOK BLVD
CLACKAMAS, OREGON 97015

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503-353-4661

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

APPLICATION FILE NUMBER: G-15189

SOURCE OF WATER: TWO WELLS IN BEAVER CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 121.32 ACRES AND MAINTENANCE OF FOUR
RESERVOIRS CONSTRUCTED UNDER PERMIT R-11390

MAXIMUM RATE: 1.859 CFS, being 1.52 CFS for irrigation and 0.339 CFS for
reservoir maintenance

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31 for irrigation, and YEAR ROUND
for reservoir maintenance

DATE OF PRIORITY: July 21, 2000

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, SECTION 21, T3S, R2E, W.M.;
WELL A: SOUTH 13° WEST 1110.572 FEET; WELL B: SOUTH 15° WEST 1109.304
FEET, BOTH FROM THE NORTH 1/4 CORNER OF SECTION 21, T3S, R2E, W.M.

The amount of water used for irrigation under this right, together with
the amount secured under any other right existing for the same lands, is
limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or
its equivalent) and 2.5 acre-feet for each acre irrigated during the
irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION

SW 1/4 SW 1/4 0.23 ACRES
SE 1/4 SW 1/4 2.82 ACRES
SW 1/4 SE 1/4 0.53 ACRES
SECTION 16

NE 1/4 NE 1/4 0.5 ACRES

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Application G-15189 Water Resources Department

PERMIT G-13947

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Page 2

NW 1/4 NE 1/4 33.27 ACRES
SW 1/4 NE 1/4 25.06 ACRES
SE 1/4 NE 1/4 0.81 ACRES
NE 1/4 NW 1/4 31.17 ACRES
NW 1/4 NW 1/4 9.34 ACRES
SW 1/4 NW 1/4 2.48 ACRES
SE 1/4 NW 1/4 15.11 ACRES

SECTION 21

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

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RESERVOIR MAINTENANCE

NE 1/4 NE 1/4 (POND A)
NW 1/4 NE 1/4 (POND A)
NE 1/4 NW 1/4 (PONDS B, C, & D)
NW 1/4 NW 1/4 (POND D)

SECTION 21

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

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.

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

- (1) Use of water from the well, as allowed herein, shall be controlled

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SALEM, OREGON

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or shut off if the well displays:

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

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SALEM, OREGON

Page 4

measurements, and shall be submitted to the Department within 90 days from the date of measurement. The Department shall determine when any of the declines cited in section (1) are evidenced by the well measurement required in section (3).

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.

STANDARD CONDITIONS

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.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

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.

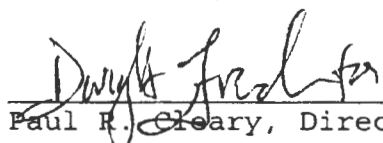
The use of water shall be limited when it interferes with any prior surface or ground water rights.

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, 2005. 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 31, 2001


Paul R. Cleary, Director
Water Resources Department

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Application G-15189
Basin 02
SB

Water Resources Department
Volume 16 PARROTT CR
MGMT.CODE 7F, 7I, 7B

PERMIT G-13947
District 16

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LAKE A - STORM WATER RETENTION/WETLANDS
LAKE B - 341,225 CF DEPTH - 7 FEET
LAKE C - 524,130 CF DEPTH - 7 FEET
LAKE D - 304,810 CF DEPTH - 8 FEET

* Are these lands included
of 0.43 acres for the

Application No. G 15174

Permit No.

This map was prepared for
assessment purpose only.

SECTION 21 T.3S. R.2E. W.M.
CLACKAMAS COUNTY

D. L. C. ENGINEER
WM. ARMPRIEST NO. 47

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SEE MAP

SEE

3 25 21AB

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TOTAL
121.22

IRRIGATION
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SEE MAP

STATE OF OREGON

COUNTY OF CLACKAMAS

ORDER APPROVING A CHANGE IN POINT OF APPROPRIATION

Pursuant to ORS 537.211, after notice was given and finding that no injury to existing water rights would result, this order approves, as conditioned or limited herein, PERMIT AMENDMENT T-9279 submitted by

CLACKAMAS COUNTY; DAN ZINZER
9101 SE SUNNYBROOK BOULEVARD
CLACKAMAS, OREGON 97015.

The permit to be modified is Permit G-13947 with a date of priority of JULY 21, 2000. The permit allows the use of TWO WELLS, in the BEAVER CREEK BASIN, for IRRIGATION OF 121.32 ACRES AND MAINTENANCE OF FOUR RESERVOIRS CONSTRUCTED UNDER PERMIT R-11390. The amount of water to which this permit is entitled is limited to an amount actually beneficially used and shall not exceed 1.859 CUBIC FEET PER SECOND (CFS), BEING 1.52 CFS FOR IRRIGATION AND 0.339 CFS FOR RESERVOIR MAINTENANCE, if available at the original wells; NE~~X~~ NW~~X~~, SECTION 21, T 3 S, R 2 E, W.M.; WELL A - SOUTH 13° WEST 1110.572 FEET; WELL B - SOUTH 15° WEST 1109.304 FEET; BOTH FROM THE NORTH $\frac{1}{4}$ CORNER OF SECTION 21, or its equivalent in case of rotation, measured at the well.

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

Pursuant to ORS 536.075 and OAR 137-004-080 and OAR 690-01-005 you may either petition for judicial review or petition the Director for reconsideration of this order.

T-9279.PKS

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The amount of water used for irrigation, together with the amount secured under any other right existing on the same lands, is limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 2½ acre-feet per acre for each acre irrigated during the irrigation season of each year.

The use shall conform to any reasonable rotation system ordered by the proper state officer.

The authorized place of use is as follows:

IRRIGATION

SW¼ SW¼ 0.23 ACRE
SE¼ SW¼ 2.82 ACRES
SW¼ SE¼ 0.53 ACRE
SECTION 16

NE¼ NE¼ 0.50 ACRE
NW¼ NE¼ 33.27 ACRES
SW¼ NE¼ 25.06 ACRES
SE¼ NE¼ 0.81 ACRE
NE¼ NW¼ 31.17 ACRES
NW¼ NW¼ 9.34 ACRES
SW¼ NW¼ 2.48 ACRES
SE¼ NW¼ 15.11 ACRES
SECTION 21

RESERVOIR MAINTENANCE

NE¼ NE¼ (POND A)
NW¼ NE¼ (POND A)
NE¼ NW¼ (PONDS B, C, D)
NW¼ NW¼ (POND D)
SECTION 21

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

The applicant proposes to change the point of appropriation of WELL B to:

NE¼ NW¼, SECTION 21, T 3 S, R 2 E, W.M.; SOUTH 57° WEST 640.4 FEET FROM THE NORTH ¼ CORNER OF SECTION 21.

T-9279.PKS

Page 2 of 3

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SALEM, OREGON

THIS CHANGE TO AN EXISTING WATER PERMIT MAY BE MADE PROVIDED THE FOLLOWING CONDITIONS ARE MET BY THE WATER USER:

1. The quantity of water diverted at the new point of appropriation (well), together with that diverted at WELL A, shall not exceed the maximum rate and duty allowed under the water right permit.
2. The water user shall install and maintain a headgate, an in-line flow meter, weir, or other suitable device for measuring and recording the quantity of water diverted. The type and plans of the headgate and measuring device must be approved by the Department prior to beginning construction and shall be installed under the general supervision of the Department.
3. Water shall be acquired from the same aquifer as the original point of appropriation.
4. All other terms and conditions of the permit remain the same.

Permit G-13947, in the name of COUNTY OF CLACKAMAS; DAN ZINZER is amended as described herein.

WITNESS the signature of the Water Resources

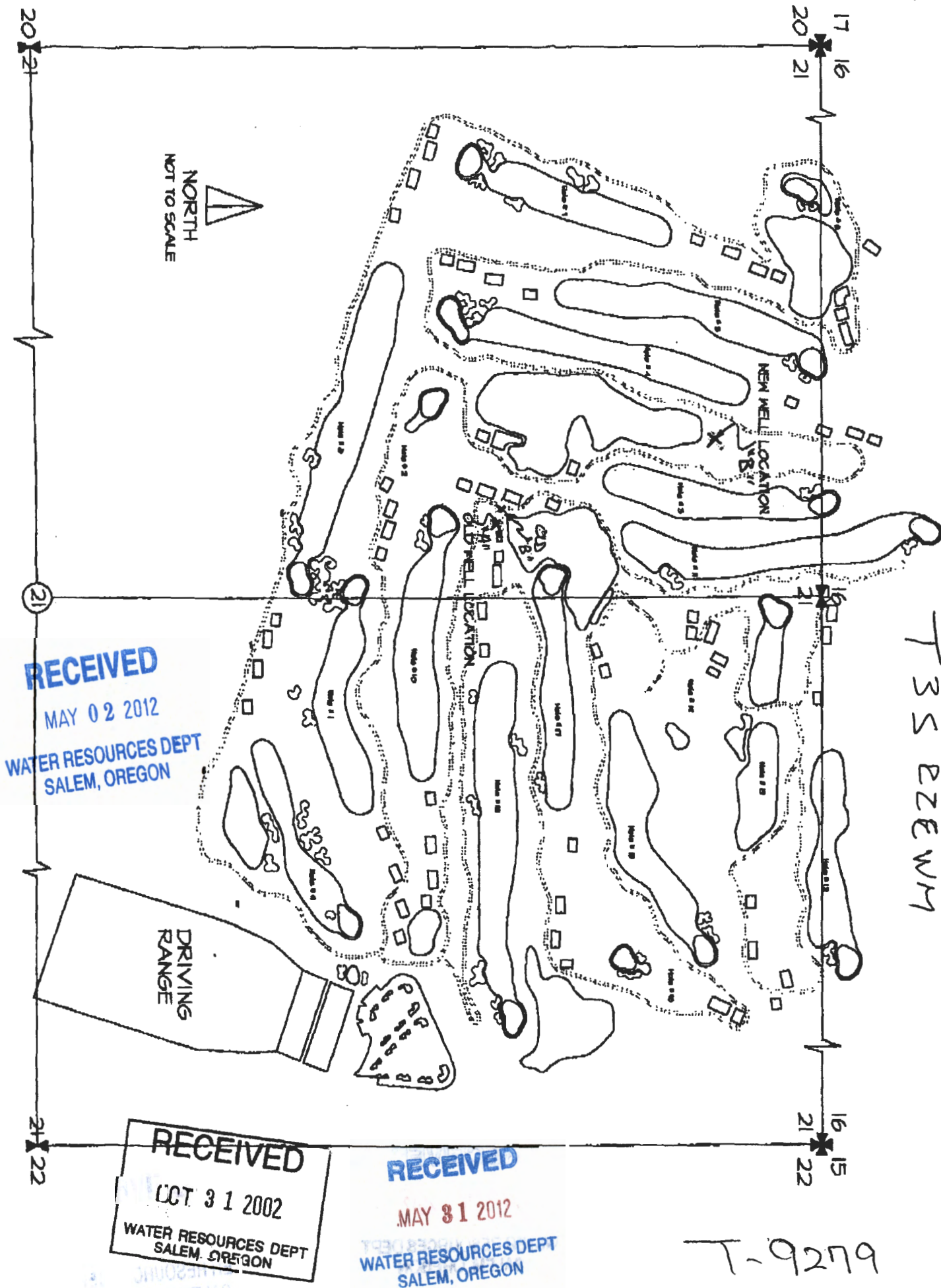
Director, affixed NOV 18 2002.


for Paul R. Cleary, Director

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WATER RESOURCES DEPT
SALEM, OREGON



T35 E2E W4

T-9279

ATTACHMENT 6
DLC & Tax Lot Map

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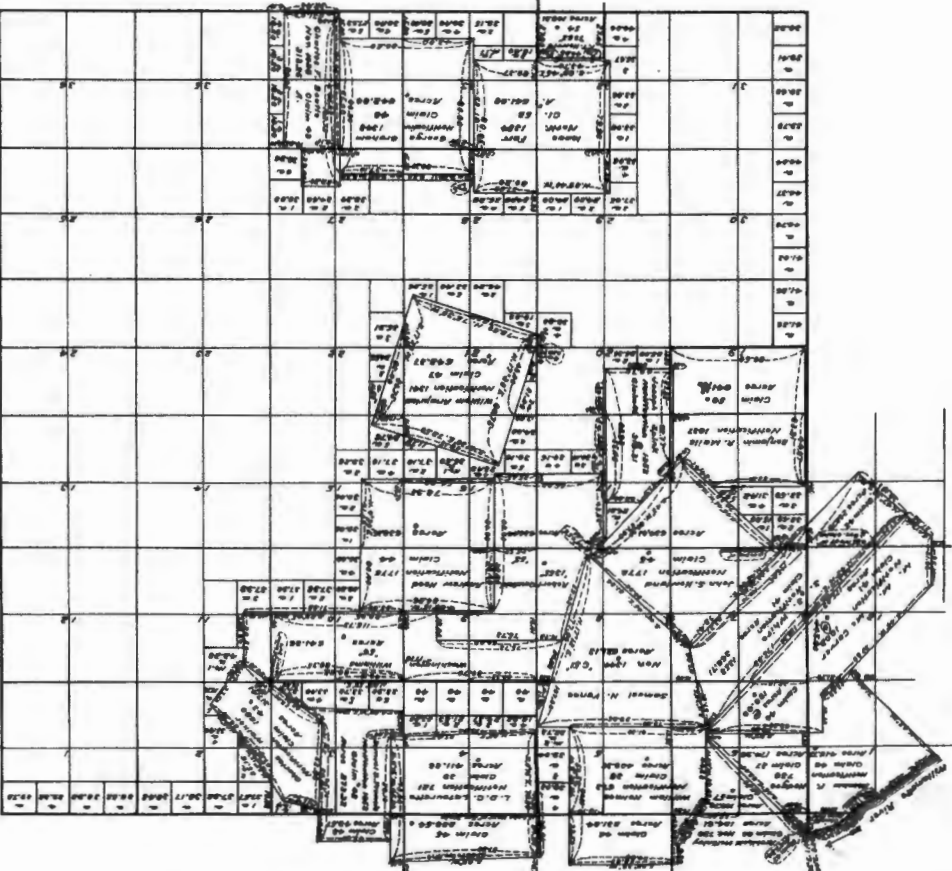
MAY 8 2012

**WATER RESOURCES DEPT
SALEM, OREGON**

(S 929-5)

261

Township No. 3 South Range No. 2 East of the Willamette Meridian, Oregon.



I certify this to be a correct copy of the original plot on file in this office.
U.S. Surveyor General's Office
Portland, Oregon November 25, 1923

M. J. F. Collins
Surveyor General of Oregon

Aggregate Area of Public Lands Held by Private Surveyors

Mamm. Neogotico-Deutsches

The above map of Township No. 3 South Range No. 6 East of the Williams River
 Meridian Oregon is hereby submitted for the field notes of the survey thereof and this
 is the written, which have been examined and approved
 (Signed) *M. W. Chapman*
 Eugene City August 23rd 1888
 Surveyor General Oregon
 M. W. Chapman
 Surveyor Gen. of Oregon

[illegible]

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SALEM, OREGON

MAY 21 1965
WATER RESOURCES DEPT
SALEM, OREGON

F.F-10

SEE MAP
3 2E 21CA
R.R.F.F. - 5

3 2E 21B
BOOK 30

689

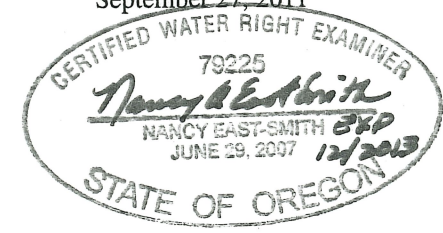
T3S, R2E, Section 21, WM
Claim of Beneficial Use Map
Clackamas County

Permit No. G-13947
Application No. G-15189

THIS MAP IS NOT INTENDED TO
PROVIDE LEGAL DIMENSIONS
OR LOCATIONS OF PROPERTY
OWNERSHIP LINES.

Map Date: November 29, 2011

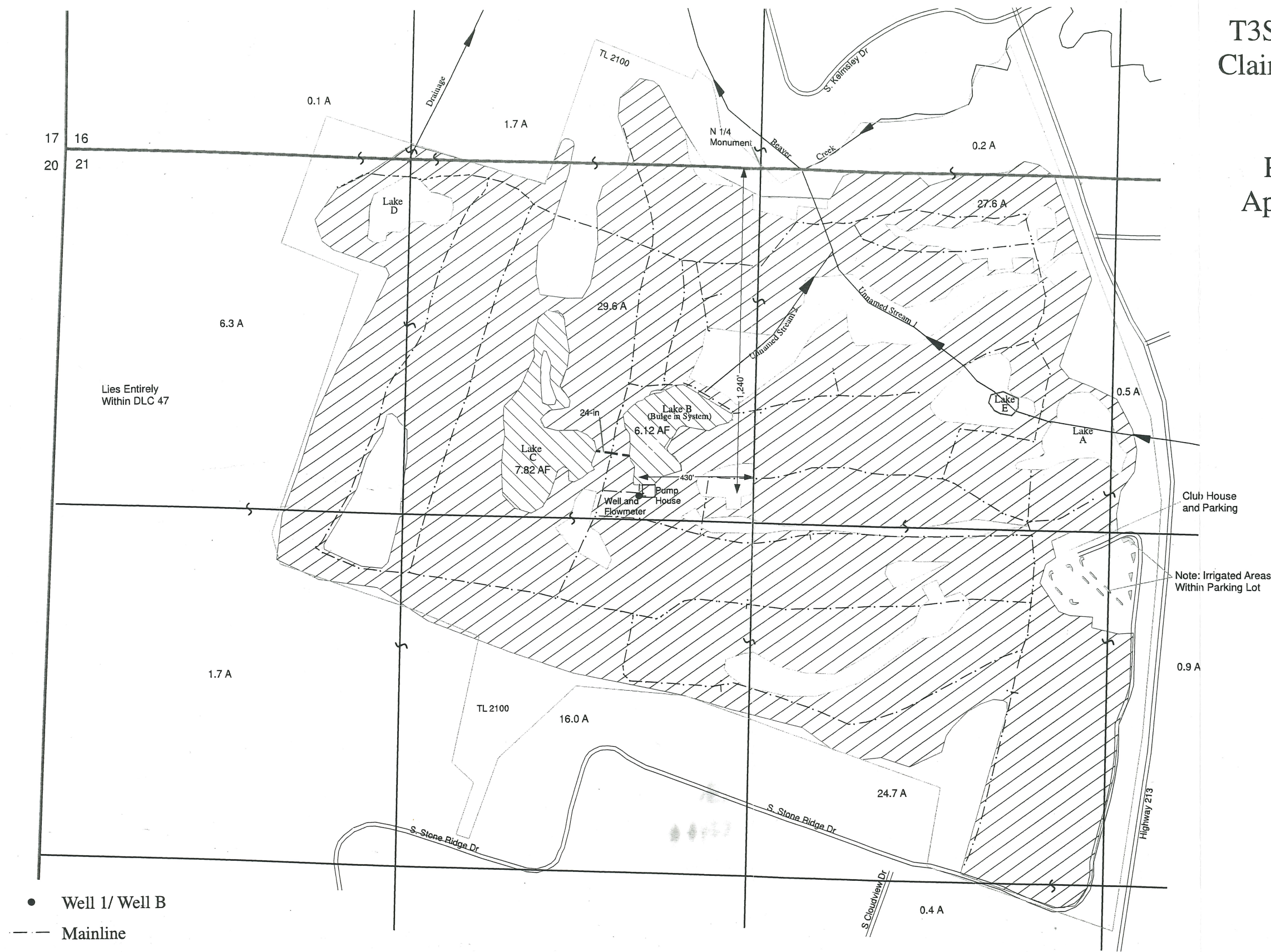
Site Inspection of Well and
Irrigated Areas Conducted
August 13, 2009
December 17, 2009, and
September 27, 2011



1 inch = 400 feet

FIGURE 1

STONE CREEK GOLF CLUB



- Well 1/ Well B
- Mainline
- Place of Use for Supplemental Irrigation (109.7 Acres)
- Place of Use for Reservoir and Maintenance (Recreation)

Well 1/ Well B (CLAC 56352) located South 21° West 1,305 feet (1,240 ft S and 430 ft W from N¼ corner of Section 21)

COBU MAP # 689

MEMO – 2014-2015 Certificate Project Proof to Satisfaction (Aug 7, 2014)

Application # <u>G-15189</u>	Permit # <u>G-13947</u>	Transfer #
WRD Reviewer <u>Brian Creutzburg</u>	Date <u>6-18-2017</u>	
WRD Peer Reviewer <u>Mary Bjork</u>	Date <u>7-29-15</u>	

Research

- ☒ Organize file in chronological order
- ☒ Pull CBU Report & Map(s), Application Map, relevant Permit, Certificate, or Transfer Order, most recent Assignments, Extension Orders, SWL Measurements, Fish Screen Certification Documents, Water Use Reports & Pump Tests
- ☒ Search for Water Right Location using Interactive Mapper. Identify Tax Lots & check for Area of Interest (AOI)
- ☒ Water Organization identified using AOI? ☒ No ☐ Yes
If "Yes" cc: _____ & Add to Mailing List
- ☒ Print Tax Lot Map from ormap.net for the original Place of Use, and confirm Current Ownership & Address with County Assessor
If there is a new owner, Add to Mailing List, including the owner(s) name & tax lot number
- ☒ Print Platcard & check for Place of Use Conflict? ☒ No ☐ Yes
If "Yes", provide copy of certificate & relevant map
- ☒ Print BLM Cadastral Survey
- ☒ Does Claim Map identify correct DLC, Gov't Lots, QQ's? ☒ No ☐ Yes
If "No", either ☒ WRD amend map OR _____ prepare Order of Certification

Reviewing Claim

Have conditions on relevant permit, certificate, or transfer order been complied with? Yes, No, OR N/A

- NA Fish Conditions Developed $109.7 \text{ ac} / 80 = 1.37 \text{ cfs}$
- Yes Meter/measuring device
- Yes Water Use Reporting Began 2002, Note well is mislabeled in WRD database
- Yes Pump Test (post December 19, 1988) Approved 2013
- Other Conditions _____
- Yes SWL 284.6 feet on 4-16-2002
- Yes C-Date 10-1-2005

☐ Run Capacity Calculator and Print Findings (for pump, sprinklers, pipes, ditches, as appropriate)

NOTES:

- limiting factor for supply is the pump in Well 1/B. Theoretical capacity is 1.33 cfs measured is .72 cfs.
- System has numerous redirection pumps and high sprinkler capacity to deliver any water pumped from Well 1/B. (It's a golf course!).
- Water user reports 1.07 cubic feet second in August of 2007, go with that rate for cert, as it is highest measured rate. GC agrees 6-23-15

See CWRE letter
10/20/15

Determination

☐ I've determined that the permit/transfer was fully developed as authorized and that a **FINAL** Certificate should be issued.

☒ I've determined that the permit/transfer was not fully developed as authorized and that a **PROPOSED** Certificate should be issued. A proposed Certificate should be issued for the following reason(s):

*Developed fewer acres, lower rate than permitted.
Conflicting info on what right is primary/supplemental.*

☐ I've determined that beneficial use was NOT made within the terms and conditions and that a **Proposed Order of Certification** (denial) should be issued. A proposed Order of Certification should be issued for the following reason(s):

Processing

☐ Stamp PROPOSED or Assign CERT# 90926 or ORDER OF CERTIFICATION (circle one)

☐ Draft Certificates or Proposed Order of Certifications are available in the Application directory.

☐ Prepare Mailing List. Include Applicant(s); Receiving Landowner(s); Current Owner(s); Water Organizations; CWRE. Indicate records to be marked.

<input type="checkbox"/> Record marking:	App _____	Permit _____	Cert _____
	App _____	Permit _____	Cert _____
	App _____	Permit _____	Cert _____
	App _____	Permit _____	Cert _____

NOTES: *Water user requested that GW right would be primary on 3-28-01 BUT CBU makes it clear that SW right should be primary & GW right is supplemental.*

- Permit is for 4 ponds (reservoir Maintenance), BUT only 2 ponds (B&C) receive water from Well 1/Well B.

- CWRE provided add'l info. about water usage.

1.33cfs is the theoretical capacity and shall be rate limiting. I assigned Cert# 90926. See letter dated 10/20/15

Jessica Joye 10-28-15

Note. Well names should be switched A150% Only 1 well developed under this permit!

Water Use Report Based on Water Right



Permit: G 13947 *
ZINZER, DAN COUNTY OF CLACKAMAS 150 BEAVERCREEK RD OREGON CITY, OR 97045

Records per page: 99

Acre-feet (AF) of Water Used

<u>Water Year*</u>	<u>Report ID</u>	<u>Facility</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Total Water Used</u>	<u>Irrigated Acres</u>
2014	60872	WELL 1 / B (CLAC 56352/L-39490)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2013	60871	WELL 2 / A (CLAC 59771/L-58712)	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.87	27.38	13.43	60.39	
2013	60872	WELL 1 / B (CLAC 56352/L-39490)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2012	60871	WELL 2 / A (CLAC 59771/L-58712)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.85	26.13	51.98	
2011	60871	WELL 2 / A (CLAC 59771/L-58712)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.93	32.66	15.47	57.06	
2011	60872	WELL 1 / B (CLAC 56352/L-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

.53 cfs

lowest water usage month.

		39490)													
		WELL 2 / A													
2006	<u>60871</u>	(CLAC 59771/L-58712)	0.00	0.00	0.00	0.00	0.00	0.00	2.55	0.00	1.65	23.28	31.84	21.95	81.28
		WELL 1 / B													
2006	<u>60872</u>	(CLAC 56352/L-39490)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		WELL 2 / A													
2005	<u>60871</u>	(CLAC 59771/L-58712)	0.00	0.00	0.00	0.00	0.00	3.29	0.48	0.00	0.00	2.86	29.72	25.98	62.33
		WELL 1 / B													
2005	<u>60872</u>	(CLAC 56352/L-39490)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		WELL 2 / A													
2004	<u>60871</u>	(CLAC 59771/L-58712)	5.63	0.00	0.00	0.00	0.00	0.00	0.00	0.07	6.32	28.10	18.53	4.38	63.04
		WELL 1 / B													
2004	<u>60872</u>	(CLAC 56352/L-39490)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		WELL 2 / A													
2002	<u>60871</u>	(CLAC 59771/L-58712)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.16	12.58	25.47	63.22

*The water year is named for the calendar year in which it ends. Example: the 2014 water year begins Oct. 1, 2013 and ends Sep. 30, 2014.

- Water use is reported by point of diversion (POD), rather than by water right.
- If a POD is shared with multiple water rights, it is not feasible to separate out the amount used under the water right being queried from water used by other rights using this same POD.
- Monthly amounts indicate:
 - For diverted rights, the total amount diverted during the month;

WELL ONE TOTALIZER READINGS				Static Level
2006/2007	Meter Start	Meter End	Total Gallons	
October	65,502,310	69,215,890	3,713,580	
November	69,215,890	69,215,890	0	
December	69,215,890	69,215,890	0	
January	69,215,890	69,215,890	0	
February	69,215,890	69,215,890	0	
March	69,215,890	69,215,890	0	
April	69,215,890	69,215,890	0	
May	69,215,890	69,216,130	240	298.356
June	69,216,130	69,216,130	0	297.774
July	69,216,130	69,216,130	0	
August	69,216,130	90,575,900	21,359,770	
September	90,575,900	93,666,830	3,090,930	
		Total	28,164,520	
		Acre Feet	86.39	

Highest water usage measured
~~- From Attachment 3: water use reports in COBU~~ ✓ Referred to in claim summary

$$21,359,770 \frac{\text{gallons}}{\text{month}} = 1.07 \frac{\text{Cubic Feet}}{\text{Second}}$$

* Assuming pump is running 24/7? → Not pumped 24/7

- claim states on pg. 4 during irrigation season well pumps between 250-300gpm 24 hours a day 7 days a week

- See letter from CWRE dated 10/20/15. User is ready, willing, and able to pump the theoretical rate of 1.33 CFS. ~~page~~ 10.27.15

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SALEM, OREGON

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WATER RESOURCES DEPT
SALEM, OREGON

~~*~~ Pump Capacity Calculation Sheet

using Department designed formula:

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

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 125
Efficiency = 7.04
Lift = 660
PSI = 0

Results Calculated

(hp)(efficiency) = 880
Head based on psi = 0.0
Total dynamic head = 660.0
(head + lift)

Pump Capacity = 1.333 feet per second

~~Measured pump capacity = 324 gpm = .72 cfs~~
~~*Water from this pump is the limiting~~
~~factor for limiting rate under~~
~~this right~~
Sec. CURE letter 10/20/15
Hoye

Oregon Water Resources Department
PERMIT CONDITION WATER-LEVEL REPORTING FORM

original TEL

Well Owner:

Name: County of Clackamas (attn: Dan Zinzer)
 Address: 9101 SE Sunnybrook Blvd
 City, State, Zip: Clackamas, Oregon 97015
 Phone: 503-353-4661
 Fax: _____

RE: Required Water-Level Report for Well(s) on Permit: G-13947 Certificate: G-15189

Our records indicate that you are the holder of a ground water permit that requires that you periodically measure and report static water levels in your well(s). If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. **Consult your permit to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements.** We recommend that you keep a copy of all measurements reports for your records. All measurements should be made to the nearest tenth of a foot or to the nearest inch (e.g. 10.2 feet or 10 feet 3 inches).

MEASUREMENT REPORT
 (Complete one form for each well)

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MAY 09 2002

Well Identification (provide as much of the following information as possible):

Original Owner of Well (owner name on well log): Golf Solutions LLC WATER RESOURCES DEPT
 Owner's Well Name or Number (if any): Well 1 SALEM, OREGON
 Well ID (number on tag attached to well casing, if present): 39490
 Well Log Startcard Number (if listed on well log): 135506
 Well Depth: 1,210 feet * Casing Diameter: 12-inches to 794' (MP1)
 Date Drilled: Nov. 22, 2000 Driller: Rod Frier, American Well Drilling

When did water use begin under this permit from this well? Date: Month/YR. June 2001

Show all water rights listing this well:

Application Number(s): G-15189
 Permit Number(s): G-13947
 Certificate Number(s): _____

Date of measurement: April 16, 2002 (3:15 pm)

Description of measuring point (e.g. ¾ inch access port in sanitary seal): Top of open 12" casing MP1

Static water level below (circle one) measuring point: 286.1 feet, or airline pressure _____ psi
 Measuring point distance above (circle one) land surface: 1.5 feet, or airline length _____ feet
 Static Water Level below (circle one) land surface: 284.6' feet
 Shut-in pressure (if a flowing artesian well): _____ psi

Method of measurement: E-tape X Airline _____ Other (specify) _____
 Water-level status when measured: Static _____ Pumping _____ Recovering _____
 Length of time well was idle before measurement: about 6 months

Calculations / Comments (show all work): 290' - 2.92' = 286.1' (-1.5') = 284.6'

* Note: This well filled in w. sand summer 2001; well depth = ± 860' 4/16/02

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of the measurement representative of the static water level in the aquifer.

Person making measurement (print): James E. Luzier, P.G.

Signature of measurer: James E. Luzier

Company: Luzier Hydrosciences

License number (CWRE, RG Well Constructor): Oregon #909

Daytime phone number: 503-636-1012 Email address: lzhdro@hevanet.com

If you have questions about this notice, please call the Ground Water / Hydrology Section of the Department at 503-378-8455 ext. 289, or toll free (within Oregon only) at 1-800-624-3199. Return Form to 158 12th St. NE Salem, OR. 97310-4172.

STATE OF OREGON
COUNTY OF CLACKAMAS
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

COUNTY OF CLACKAMAS
150 BEAVERCREEK RD
OREGON CITY OR 97045

confirms the right to use the waters of A WELL in BEAVER CREEK BASIN for SUPPLEMENTAL IRRIGATION of 109.7 ACRES AND MAINTENANCE OF TWO RESERVOIRS CONSTRUCTED UNDER PERMIT R-11390.

This right was perfected under Permit G-13947. The date of priority is JULY 21, 2000. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 1.33 CUBIC FEET PER SECOND (CFS), being 1.33 CFS for supplemental irrigation and 0.14 CFS for reservoir maintenance, measured at the well.

The period of use is MARCH 1 THROUGH OCTOBER 31 for irrigation and YEAR ROUND for reservoir maintenance.

The well is located as follows:

Twp	Rng	Mer	Sec	Q-Q	DLC	Measured Distances
3 S	2 E	WM	21	NE NW	47	WELL 1/WELL B – 1240 FEET SOUTH AND 430 FEET WEST FROM N1/4 CORNER, SECTION 21

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent), and 2.5 acre-feet for each acre irrigated during the irrigation season of each year.

A description of the place of use is as follows:

SUPPLEMENTAL IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	DLC	Acres
3 S	2 E	WM	16	SW SW	47	0.1
3 S	2 E	WM	16	SE SW	47	1.7
3 S	2 E	WM	16	SW SE	47	0.2
3 S	2 E	WM	21	NE NE	47	0.5
3 S	2 E	WM	21	NW NE	47	27.6
3 S	2 E	WM	21	SW NE	47	24.7
3 S	2 E	WM	21	SE NE	47	0.9
3 S	2 E	WM	21	NE NW	47	29.6
3 S	2 E	WM	21	NW NW	47	6.3
3 S	2 E	WM	21	SW NW	47	1.7
3 S	2 E	WM	21	SE NW	47	16.0
3 S	2 E	WM	21	NW SE	47	0.4

NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

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

RESERVOIR MAINTENANCE						
Twp	Rng	Mer	Sec	Q-Q	DLC	Reservoir
3 S	2 E	WM	21	NE NW	47	Lakes B & C

Measurement, recording and reporting conditions:

- A. The water user shall maintain a meter or other suitable measuring device approved by the Director 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 water user to report general water-use information, including the place and nature of use of water under the right.
 - B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
- (1) Use of water from the well, as allowed herein, shall be controlled or shut off if the well displays:
 - (a) An average water level decline of three or more feet per year for five consecutive years; or
 - (b) A total water level decline of fifteen or more feet; or
 - (c) A hydraulic interference decline of fifteen or more feet in any neighboring well providing water for senior exempt uses or wells covered by prior rights.
 - (2) The water user shall install a meter or other measuring device suitable to the Director, and shall submit an annual report of water used to the Department by December 1 of each year.
 - (3) The water user shall be responsible for complying with each of the following requirements for measuring water levels in the well.
 - (a) Use of water from a new well shall not begin until an initial static water level in the well has been measured and submitted to the Department.
 - (b) In addition to the measurement required in subsection (a) of this section, a water level measurement shall be made each year during the period March 1 through March 31.
 - (c) All water level measurements shall be made by a qualified individual. Qualified individuals are certified water rights examiners, registered geologists, registered professional engineers, licensed land surveyors, licensed water well constructor, licensed pump installer, or the water user.
 - (d) Any qualified individual measuring a well shall use standard methods of procedure and equipment designed for the purpose of well measurement. The equipment used shall be well suited to the conditions of construction at the well. A list of standard methods of procedure and suitable equipment shall be available from the Department.
 - (e) The water user shall submit a record of the measurement to the Department on a form available from the Department. The record of measurement shall include both measurements and calculations, shall include a certification as to their accuracy signed by the individual making the measurements, and shall be submitted to the Department within 90 days from the date of measurement. The Department shall determine when any of the declines cited in section (1) are evidenced by the well measurement required in section (3).

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

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

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

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

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

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

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

The right to the use of the water for the above purpose is restricted to beneficial use on the place of use described.

Issued DEC 11 2015



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

689

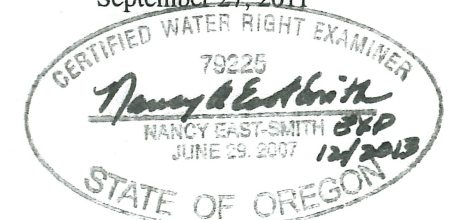
T3S, R2E, Section 21, WM
Claim of Beneficial Use Map
Clackamas County

Permit No. G-13947
Application No. G-15189

THIS MAP IS NOT INTENDED TO
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OR LOCATIONS OF PROPERTY
OWNERSHIP LINES.

Map Date: November 29, 2011

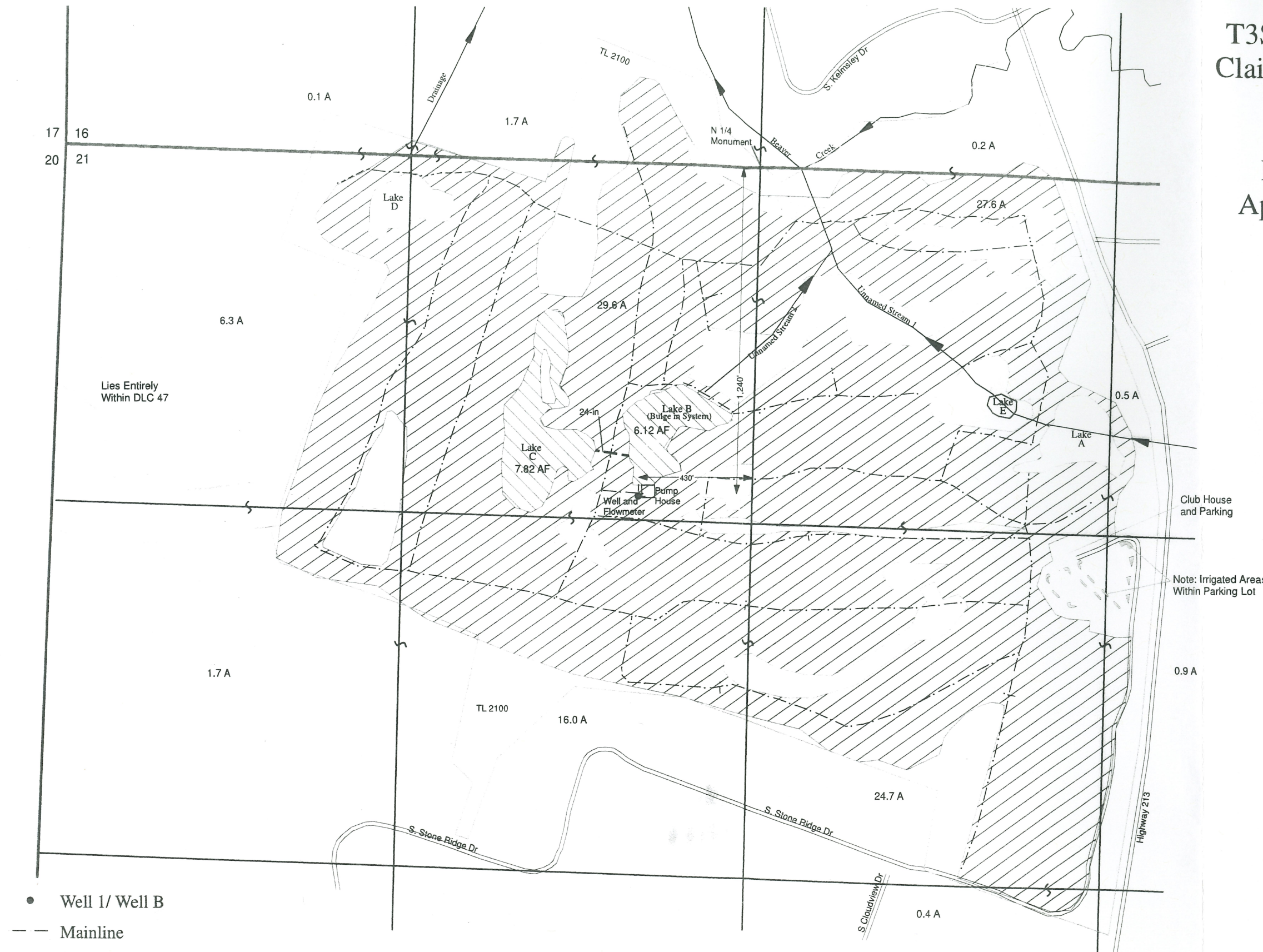
Site Inspection of Well and
Irrigated Areas Conducted
August 13, 2009
December 17, 2009, and
September 27, 2011



1 inch = 400 feet

FIGURE 1

STONE CREEK GOLF CLUB



Well 1/ Well B (CLAC 56352) located South 21° West 1,305 feet (1,240 ft S and 430 ft W from N¼ corner of Section 21)

COBU MAP # 689



Oregon

Kate Brown, Governor

Water Resources Department

725 Summer St NE, Suite A

Salem, OR 97301

(503) 986-0900

Fax (503) 986-0904

DATE MAILED: December 11, 2015

NOTICE OF CERTIFICATE ISSUANCE

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

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

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

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

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

Mailing List for Certificate

Scheduled Mailing Date:

Application: G-15189

Permit: G-13947

Certificate: 90926

Permit/Certificate Holder:

COUNTY OF CLACKAMAS
150 BEAVERCREEK RD
OREGON CITY OR 97045

Copies Mailed	
by:	<u>Connie Vance</u> (STAFF)
on:	<u>DEC 11 2015</u> (DATE)

Copies of Final Certificate to be sent to:

1. Watermaster District 20
- ~~2. Data Center (include copy of map)~~
3. Water Availability
4. Vault
5. File

Other persons to receive copies: (include map):

1. ENVIROLOGIC RESOURCES, INC
NANCY EAST-SMITH, CWRE
2. Stone Creek Golf Club (added by GC 8/25/2015)
Attn: Mike Turley
14603 South Stoneridge Drive
Oregon City, Oregon 97045

STATE OF OREGON
COUNTY OF CLACKAMAS
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

COUNTY OF CLACKAMAS
150 BEAVERCREEK RD
OREGON CITY OR 97045

confirms the right to use the waters of A WELL in BEAVER CREEK BASIN for SUPPLEMENTAL IRRIGATION of 109.7 ACRES AND MAINTENANCE OF TWO RESERVOIRS CONSTRUCTED UNDER PERMIT R-11390.

This right was perfected under Permit G-13947. The date of priority is JULY 21, 2000. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 1.33 CUBIC FEET PER SECOND (CFS), being 1.33 CFS for supplemental irrigation and 0.14 CFS for reservoir maintenance, measured at the well.

The period of use is MARCH 1 THROUGH OCTOBER 31 for irrigation and YEAR ROUND for reservoir maintenance.

The well is located as follows:

Twp	Rng	Mer	Sec	Q-Q	DLC	Measured Distances
3 S	2 E	WM	21	NE NW	47	WELL 1/WELL B – 1240 FEET SOUTH AND 430 FEET WEST FROM N1/4 CORNER, SECTION 21

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent), and 2.5 acre-feet for each acre irrigated during the irrigation season of each year.

A description of the place of use is as follows:

SUPPLEMENTAL IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	DLC	Acres
3 S	2 E	WM	16	SW SW	47	0.1
3 S	2 E	WM	16	SE SW	47	1.7
3 S	2 E	WM	16	SW SE	47	0.2
3 S	2 E	WM	21	NE NE	47	0.5
3 S	2 E	WM	21	NW NE	47	27.6
3 S	2 E	WM	21	SW NE	47	24.7
3 S	2 E	WM	21	SE NE	47	0.9
3 S	2 E	WM	21	NE NW	47	29.6
3 S	2 E	WM	21	NW NW	47	6.3
3 S	2 E	WM	21	SW NW	47	1.7
3 S	2 E	WM	21	SE NW	47	16.0
3 S	2 E	WM	21	NW SE	47	0.4

NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

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

RESERVOIR MAINTENANCE						
Twp	Rng	Mer	Sec	Q-Q	DLC	Reservoir
3 S	2 E	WM	21	NE NW	47	Lakes B & C

Measurement, recording and reporting conditions:

- A. The water user shall maintain a meter or other suitable measuring device approved by the Director 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 water user to report general water-use information, including the place and nature of use of water under the right.
 - B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
- (1) Use of water from the well, as allowed herein, shall be controlled or shut off if the well displays:
 - (a) An average water level decline of three or more feet per year for five consecutive years; or
 - (b) A total water level decline of fifteen or more feet; or
 - (c) A hydraulic interference decline of fifteen or more feet in any neighboring well providing water for senior exempt uses or wells covered by prior rights.
 - (2) The water user shall install a meter or other measuring device suitable to the Director, and shall submit an annual report of water used to the Department by December 1 of each year.
 - (3) The water user shall be responsible for complying with each of the following requirements for measuring water levels in the well.
 - (a) Use of water from a new well shall not begin until an initial static water level in the well has been measured and submitted to the Department.
 - (b) In addition to the measurement required in subsection (a) of this section, a water level measurement shall be made each year during the period March 1 through March 31.
 - (c) All water level measurements shall be made by a qualified individual. Qualified individuals are certified water rights examiners, registered geologists, registered professional engineers, licensed land surveyors, licensed water well constructor, licensed pump installer, or the water user.
 - (d) Any qualified individual measuring a well shall use standard methods of procedure and equipment designed for the purpose of well measurement. The equipment used shall be well suited to the conditions of construction at the well. A list of standard methods of procedure and suitable equipment shall be available from the Department.
 - (e) The water user shall submit a record of the measurement to the Department on a form available from the Department. The record of measurement shall include both measurements and calculations, shall include a certification as to their accuracy signed by the individual making the measurements, and shall be submitted to the Department within 90 days from the date of measurement. The Department shall determine when any of the declines cited in section (1) are evidenced by the well measurement required in section (3).

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

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

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

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

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

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

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

The right to the use of the water for the above purpose is restricted to beneficial use on the place of use described.

Issued _____.

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



October 20, 2015
10152.002

RECEIVED

SEP 21 2015

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

WATER RESOURCES DEPT
SALEM, OREGON

VIA Hand Delivery

Attention: Gerry Clark

**Subject: Proposed Certificate Review
Application G-15189 Permit G-13947
County of Clackamas – Stone Creek Golf Club**

Dear Mr. Clark:

Thank you for speaking with *EnviroLogic Resources, Inc.*, last week about the proposed water right certificate for Application G-15189 and Permit G-13947. We spoke about the methodology the Department went through to calculate an appropriation rate for the well used for supplemental irrigation at Stone Creek Golf Club. While I understand the calculation the Department made to propose an appropriation rate of 1.07 cubic feet per second (CFS), an assumption implicit in the calculation is incorrect.

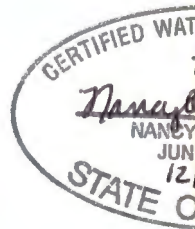
In the Claim of Beneficial Use (the Claim) we provided a statement that the well is pumped "24 hours a day 7 days a week during peak irrigation." I spoke with Mike Turley, Golf Course Superintendent at Stone Creek Golf Club regarding the irrigation practices. In essence, "peak irrigation" corresponds to days where the temperature is in excess of 90° F, which generally occurs for two to three weeks per year. The well is not generally pumped for 30 days straight as was assumed by the Department in making its calculation based on water use reports, resulting in a lower appropriation rate than requested in the Claim.

In addition, because the water right is a supplemental water right, the standard for the Claim is "ready, willing, and able." Clackamas County and Stone Creek Golf Club are ready, willing, and able to pump the calculated theoretical rate of 1.33 CFS stated in the Claim.

Please let me know if you have any questions or comments. Th

Sincerely,
EnviroLogic Resources, Inc.

Nancy East-Smith, RG, CEG, CWRE
Senior Geologist



Hold for 30 days

CWRE to provide additional info about metered capacity.

Info. received 10/21/15

Tom 503-768-5121

Mailing List for Certificate

Scheduled Mailing Date:

Application: G-15189

Permit: G-13947

Certificate: ***** 90920

Permit/Certificate Holder:

COUNTY OF CLACKAMAS
150 BEAVERCREEK RD
OREGON CITY OR 97045

Copies Mailed	
by:	<u>JH</u> (STAFF)
on:	<u>8/14/15</u> (DATE)

Copies of Final Certificate to be sent to:

- ~~1. Watermaster District 20~~
- ~~2. Data Center (include copy of map)~~
- ~~3. Water Availability~~
- ~~4. Vault~~
- ~~5. File~~

PROPOSED

Other persons to receive copies: (include map):

- ~~1. ENVIROLOGIC RESOURCES, INC
NANCY EAST-SMITH, CWRE~~

Per County mail ~~also~~ to Stone Creek Golf Club. SC
done 8/26/15

2. Stone Creek Golf Club
14603 South Stoneridge DR
Oregon City, OR 97045

STATE OF OREGON
COUNTY OF CLACKAMAS
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

COUNTY OF CLACKAMAS
150 BEAVERCREEK RD
OREGON CITY OR 97045

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3 S	2 E	WM	21	NW NW	47	6.3
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The Director may require water level or pump test results every ten years.

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

The right to the use of the water for the above purpose is restricted to beneficial use on the place of use described.

Issued _____

PROPOSED

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

689

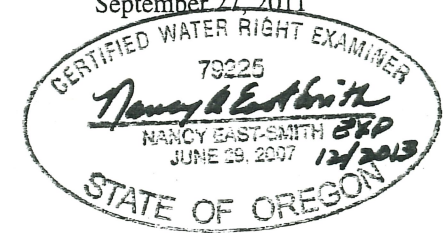
T3S, R2E, Section 21, WM Claim of Beneficial Use Map Clackamas County

Permit No. G-13947
Application No. G-15189

THIS MAP IS NOT INTENDED TO
PROVIDE LEGAL DIMENSIONS
OR LOCATIONS OF PROPERTY
OWNERSHIP LINES.

Map Date: November 29, 2011

Site Inspection of Well and
Irrigated Areas Conducted
August 13, 2009
December 17, 2009, and
September 27, 2011

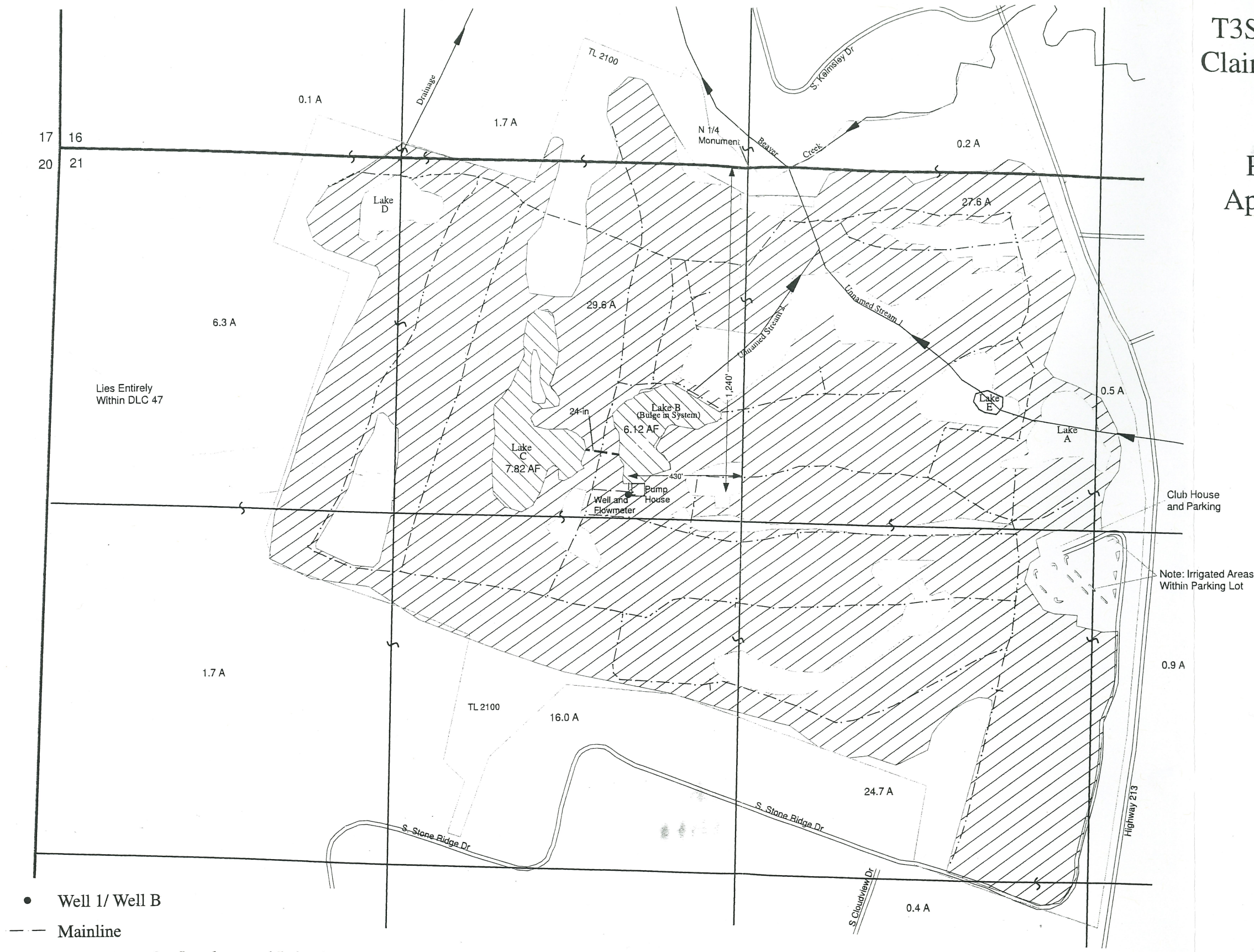


1 inch = 400 feet



FIGURE 1

STONE CREEK GOLF CLUB



- Well 1/ Well B
- Mainline
- Place of Use for Supplemental Irrigation (109.7 Acres)
- Place of Use for Reservoir and Maintenance (Recreation)

Well 1/ Well B (CLAC 56352) located South 21° West 1,305 feet (1,240 ft S and 430 ft W from N¼ corner of Section 21)

COBII MAP # 689



Oregon
Kate Brown, Governor

Water Resources Department

725 Summer St NE, Suite A

Salem, OR 97301

(503) 986-0900

Fax (503) 986-0904

DATE MAILED:

NOTICE

AUG 14 2015

Reference: Application G-15189 Permit G-13947

Enclosed is a proposed certificate of water right and map. The map and proposed certificate represent the extent water was used within the terms of the permit based upon Claims of Beneficial Use, prepared by a Certified Water Right Examiner, that either you or a previous permit holder submitted.

The certificate is the final step in the water right process. The Department encourages you to review these proposals. If you do not agree with the proposed certificate, Oregon Administrative Rule 690-330-010 (2) allows the permittee or landowner 60 days from the mailing date of this notice to request the Department to reconsider the contents of the proposed certificate.

If you agree with the proposed certificate, no response to this notice is required. Sometime after comment period, the recorded certificate of water right will be mailed to the permit holder of record.

If your name is not listed on the proposed certificate, and you are the current landowner, and would like to have the final certificate issued in your name, you may apply through the Department to have the permit assigned to you. If you have any questions about the assignment process, please contact Jerry Sauter at 503-986-0817.

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

Sincerely,

Dwight French
Water Right Services Administrator

CREUTZBURG Brian R

From: Wyman, Jeanette <jeanettewym@co.clackamas.or.us>
Sent: Monday, June 22, 2015 10:28 AM
To: 'CREUTZBURG Brian R'
Subject: RE: Name and address verification, Permit S-70118

CLACKAMAS COUNTY
PARKS-STONEGATE
150 BEAVERCREEK RD
OREGON CITY, OR 97045

From: CREUTZBURG Brian R [<mailto:brian.r.creutzburg@state.or.us>]
Sent: Monday, June 22, 2015 9:41 AM
To: Property Tax Information
Subject: Name and address verification, Permit S-70118

I am working on a water right for a resident of Clackamas Co, and would like to verify the current landowner name and address for taxlot:

32E21B 02100

It looks like the parcel number is:

01692920

Any help you can provide would be greatly appreciated!

Brian

Brian R Creutzburg | Water Rights Certificates
Water Resources Department | 725 Summer St. NE, Suite A | Salem, Oregon 97301
Ph: 503 986-0809 | Fax: 503 986-0901
Email: Brian.R.Creutzburg@wrdd.state.or.us | Web: <http://www.wrdd.state.or.us>



NOTE: This message was trained as non-spam. If this is wrong, please correct the training as soon as possible.

N.W. 1/4 SECTION 21 T.3S. R.2E. W.M.
CLACKAMAS COUNTY
1" = 200'

D. L. C.
WM. ARMPRIEST NO. 47

CANCELLED T.L.S.
100 2190
200 300
300 400
400 500
500 600
600 700
700 800
800 900
900 1000
1000 1100
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9300 9400
9400 9500
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9600 9700
9700 9800
9800 9900
9900 10000

SEE MAP 3 2E 16

2100
(16.436 AC.)
(4685 S. STONERIDGE DR.
2100 S. JUNE 21)

86-24

ESTATES

STONECREEK GOLF COURSE

E.F.10

3240

STONE GATE ESTATES NO. 2

SEE MAP 3 2E 21CA

SEE MAP 3 2E 21CA
R.R.F.E. - 5

3 2E 21B
BOOK 30

Meridian: Willamette **Township:** 3 South **Range:** 2 East **Section:** 16 **Records per Page:** 999 [Search](#) [Platcards](#) [Maps!](#) [Learn about *](#) [View Map](#)

6/17/2015 10:41 AM

[illegible]

Select	Cert:20457 OR CN	2/1/1949	SUPPLEMENTAL CN IRRIGATION (Suppl'mtl)	53					8											
<u>Additional Info:</u> A GUNTHER App: S23607 Permit: S18804 Cert: 20457																				
Select	Cert:20458 OR *	6/2/1947	IRRIGATION	53					16.6											
<u>Additional Info:</u> A GUNTHER App: S22595 Permit: S17917 Cert: 20458																				
Select	Cert:24118 OR *	4/5/1950	IRRIGATION	3															0.3	
<u>Additional Info:</u> HAROLD E BERNIER App: S24575 Permit: S20193 Cert: 24118																				
Select	Cert:24118 OR *	4/5/1950	IRRIGATION	47													0.2	7.2	18.4	
<u>Additional Info:</u> HAROLD E BERNIER App: S24575 Permit: S20193 Cert: 24118																				
Select	Cert:75455 RR *	2/1/1949	IRRIGATION	53				0.7	8.6											
<u>Additional Info:</u> A GUNTHER App: S23607 Permit: S18804 Cert: 75455																				
Select	Cert:75455 RR *	2/1/1949	SUPPLEMENTAL IRRIGATION (Suppl'mtl)	53					8											
<u>Additional Info:</u> A GUNTHER App: S23607 Permit: S18804 Cert: 75455																				

Acreage Legend: 12.25 Regular
acres

~~12.25~~ Acreage is on a
canceled right

(12.25) Acreage is part of a transfer and
has not been proven up on yet
(inchoate)

[12.25] Acreage has been
suspended

* Acreage is not
specified

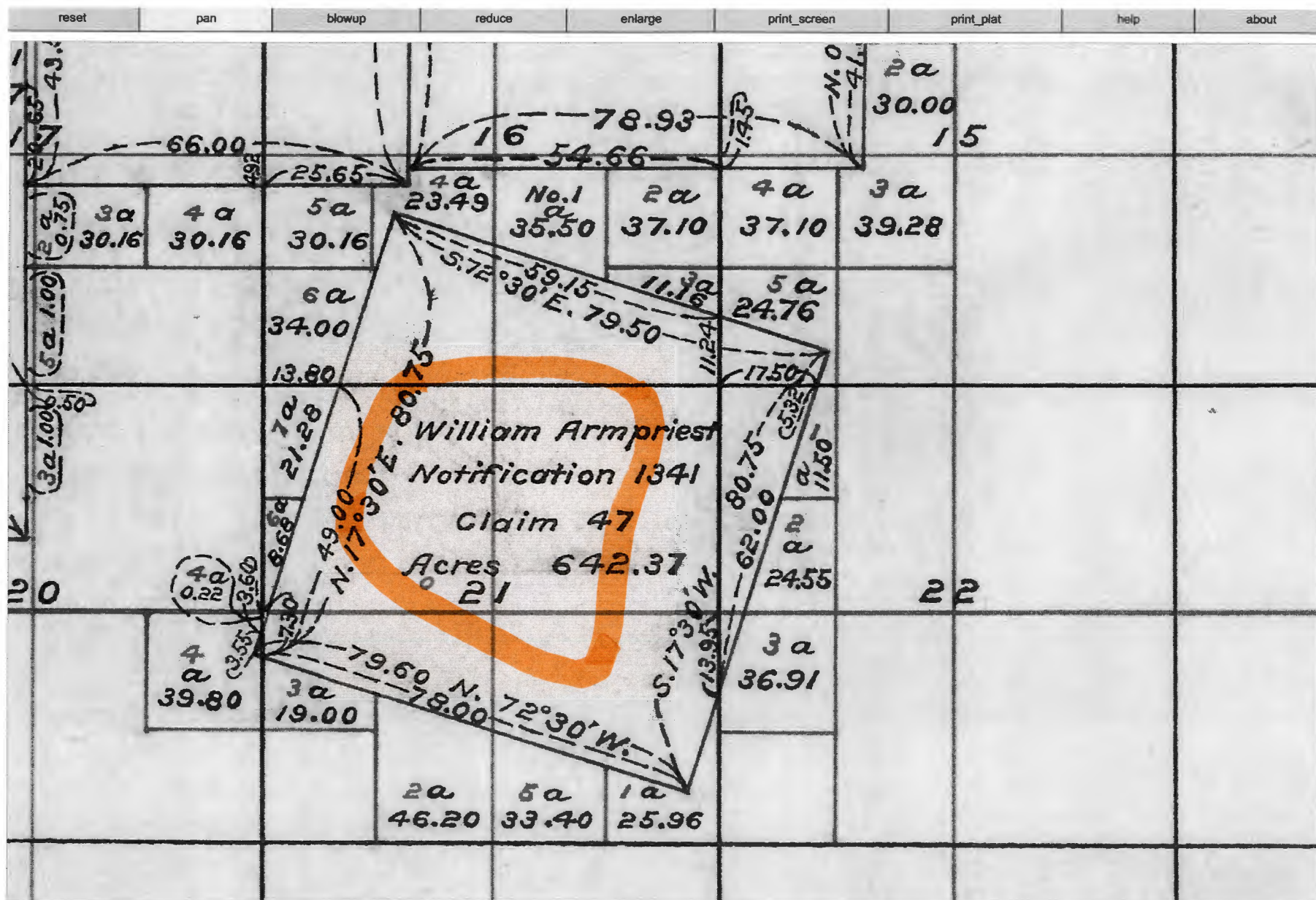
Water Rights Platcard Report

Meridian: Willamette Township: 3 South Range: 2 East Section: 21 Records per 999 Page: Search Platcards Maps! Learn about * View Map

Water Right	Changing Xfers	Priority	Use	Use Status	DLC	Gov't Lot	QQ(40): Q(160):	NE NE	NW NE	SW NE	SE NE	NE NW	NW NW	SW NW	SE NW	NE SW	NW SW	SW SW	SE SW	NE SE	NW SE	SW SE	SE SE	Unkown QQ
Select Permit: G 15860 *		3/25/2004	SUPPLEMENTAL IRRIGATION (Suppl'mtl)					0.5	33.27	24.1	0.81	31.17	9.34	2.48	15.11							0.96		
Additional Info: COUNTY OF CLACKAMAS App: G16218 Permit: G15860	Related File																							
Select Permit: G 13947 *		7/21/2000	IRRIGATION					0.5	33.27	25.06	0.81	31.17	9.34	2.48	15.11									
Additional Info: DAN ZINZER App: G15189 Permit: G13947	Working File																							
Select Permit: S 51274 *		11/9/1989	IRRIGATION					2.2	29.6	37.1	3.4	38.5	15.1	8.8	32.3					0.1	1.6			
Additional Info: COUNTY OF CLACKAMAS App: S70118 Permit: S51274	Related File																							
Select App: S 80438 *		6/13/1995	MUNICIPAL USES					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Additional Info: CLACKAMAS WATER DISTRICT App: S80438																								
Select App: S 80465 *		6/15/1995	MUNICIPAL USES					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Additional Info: CLACKAMAS WATER DISTRICT App: S80465																								
Select Permit: G 6728 *		7/13/1973	MUNICIPAL USES					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Additional Info: CLAIRMONT WATER DISTRICT App: G6228 Permit: G6728																								
Select Permit: R 11390 *			STORAGE						*			*	*											
Additional Info: COUNTY OF CLACKAMAS; STONE CREEK GOLF CLUB App: R70117 Permit: R11390	Related File																							
Select Permit: G 15860 *		3/25/2004	POND MAINTENANCE					*	*	*		*	*											
Additional Info: COUNTY OF CLACKAMAS App: G16218 Permit: G15860	Related File																							
Select Permit: G 13947 *		7/21/2000	POND MAINTENANCE					*	*			*	*											
Additional Info: DAN ZINZER App: G15189 Permit: G13947	Working File																							

Acreage Legend:	12.25 Regular acreage	12.25 Acreage is on a canceled right	(12.25) Acreage is part of a transfer and has not been proven up on yet (inchoate)
-----------------	-----------------------	---	--





STATE OF OREGON

COUNTY OF CLACKAMAS

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

COUNTY OF CLACKAMAS; DAN ZINZER
9101 SE SUNNYBROOK BLVD
CLACKAMAS, OREGON 97015

503-353-4661

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

APPLICATION FILE NUMBER: G-15189

SOURCE OF WATER: TWO WELLS IN BEAVER CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 121.32 ACRES AND MAINTENANCE OF FOUR RESERVOIRS CONSTRUCTED UNDER PERMIT R-11390

MAXIMUM RATE: 1.859 CFS, being 1.52 CFS for irrigation and 0.339 CFS for reservoir maintenance

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31 for irrigation, and YEAR ROUND for reservoir maintenance

DATE OF PRIORITY: July 21, 2000

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, SECTION 21, T3S, R2E, W.M.; WELL A: SOUTH 13° WEST 1110.572 FEET; WELL B: SOUTH 15° WEST 1109.304 FEET, BOTH FROM THE NORTH 1/4 CORNER OF SECTION 21, T3S, R2E, W.M.

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION

SW 1/4 SW 1/4 0.23 ACRES
SE 1/4 SW 1/4 2.82 ACRES
SW 1/4 SE 1/4 0.53 ACRES
SECTION 16

NE 1/4 NE 1/4 0.5 ACRES

Application G-15189 Water Resources Department

PERMIT G-13947

NW 1/4 NE 1/4 33.27 ACRES
SW 1/4 NE 1/4 25.06 ACRES
SE 1/4 NE 1/4 0.81 ACRES
NE 1/4 NW 1/4 31.17 ACRES
NW 1/4 NW 1/4 9.34 ACRES
SW 1/4 NW 1/4 2.48 ACRES
SE 1/4 NW 1/4 15.11 ACRES

SECTION 21

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

RESERVOIR MAINTENANCE

NE 1/4 NE 1/4 (POND A)
NW 1/4 NE 1/4 (POND A)
NE 1/4 NW 1/4 (PONDS B, C, & D)
NW 1/4 NW 1/4 (POND D)

SECTION 21

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

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.

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

(1) Use of water from the well, as allowed herein, shall be controlled

This map was prepared for assessment purpose only.

D. L.C. ENGINEERING
WM. ARMPRIEST NO. 47

RECEIVED
JUL 21 2000
WATER RESOURCES DEPT
SALEM, OR

62-70

Cance

100	
600 thru 63	
1000 thru 101	
1900	50
1901	20
2200	210
2201	210
300	210
400	20
15 490	20
20 231 14	20

WELL LOCATION FROM N QUARTER CORNER

A - 1110.572 FT 193° T

B - 1109.304 FT 195° T

SEE MAP

SEE MAP

3 2E 21AB

3 2E 2A

~~86-08~~

86-24

TOTAL
121.22

IRRIGATION
MAINLINE

WELL LOCATION X

IRRIGATED LAND

SECTION CORNER.

QUARTER CORNER 

PUMP HOUSE

EFU

2E 20

SEE

MA

689

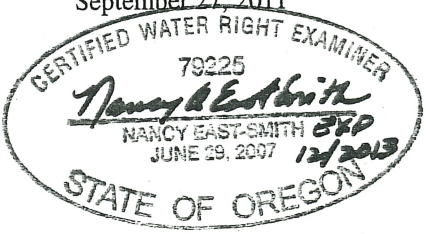
T3S, R2E, Section 21, WM
Claim of Beneficial Use Map
Clackamas County

Permit No. G-13947
Application No. G-15189

THIS MAP IS NOT INTENDED TO
PROVIDE LEGAL DIMENSIONS
OR LOCATIONS OF PROPERTY
OWNERSHIP LINES.

Map Date: November 29, 2011

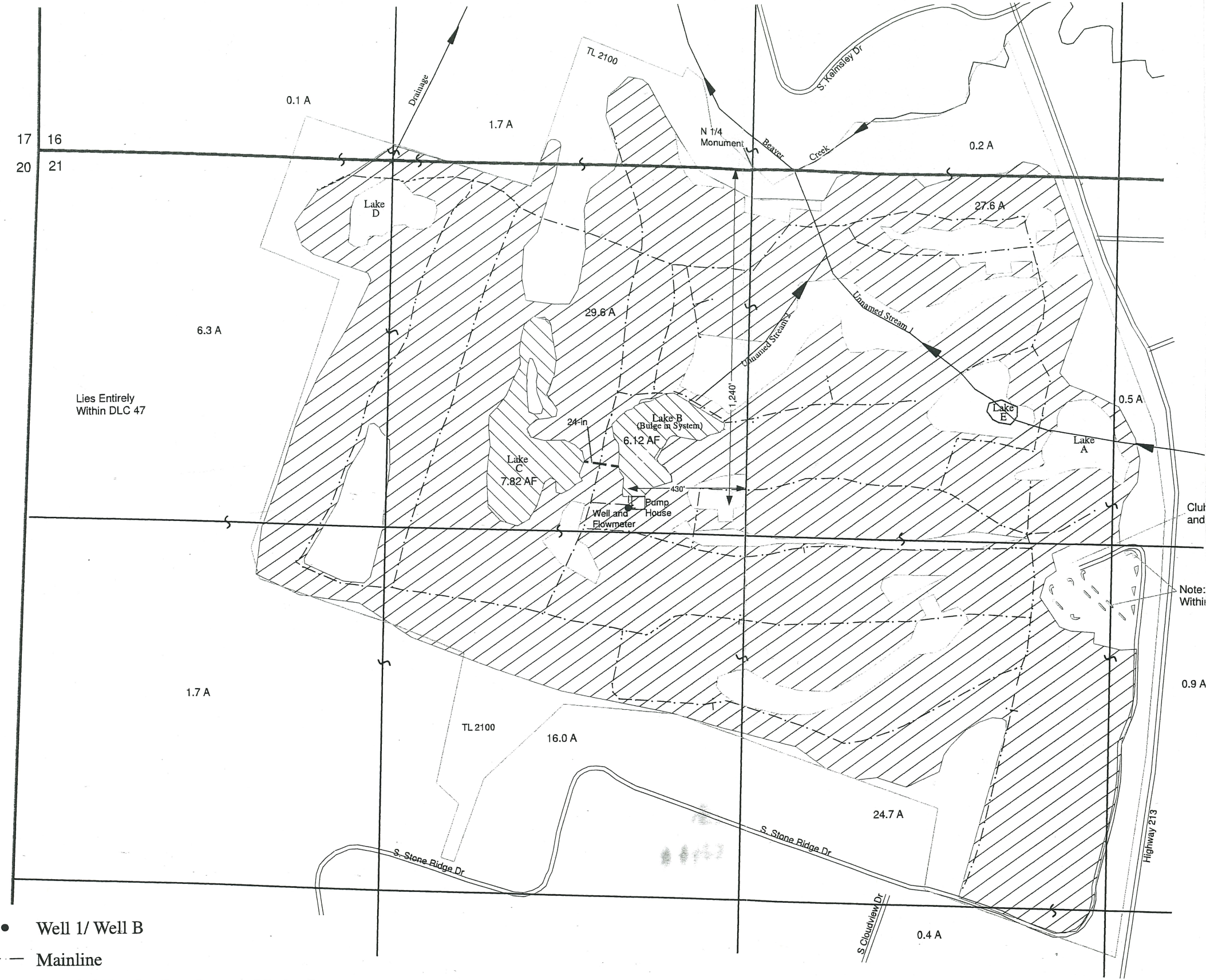
Site Inspection of Well and
Irrigated Areas Conducted
August 13, 2009
December 17, 2009, and
September 27, 2011



1 inch = 400 feet

FIGURE 1

STONE CREEK GOLF CLUB



- Well 1/ Well B
- Mainline
- Place of Use for Supplemental Irrigation
(109.7 Acres)
- Place of Use for Reservoir and Maintenance
(Recreation)

Well 1/ Well B (CLAC 56352) located South 21° West 1,305 feet (1,240 ft S and 430 ft W from N¼ corner of Section 21)

COBU MAP # 689

March 28, 2001

In reply to: Clackamas County Golf Course (Stone Creek Golf Course) water rights

Cory Engel
Oregon Water Resources Department
158 12th St NE
Salem, OR 97301-4172

Dear Cory Engel

SUBJECT: DIMINISH EXISTING WATER RIGHTS TO SUPPLEMENTAL WATER RIGHTS

Per your message on March 28, 2001 I hereby request to diminish our current water rights to Beaver Creek to supplemental irrigation and request the use of ground water for our primary use as stated in our permit application number G-15189.

Sincerely,



David C Phipps
Golf Course Superintendent
Golf Solutions LLC

cc: Dan Zinzer
Clackamas County
9101 SE Sunnybrook Blvd
Clackamas, OR 97015

or shut off if the well displays:

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

measurements, and shall be submitted to the Department within 90 days from the date of measurement. The Department shall determine when any of the declines cited in section (1) are evidenced by the well measurement required in section (3).

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.

STANDARD CONDITIONS

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.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

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.

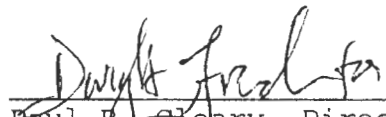
The use of water shall be limited when it interferes with any prior surface or ground water rights.

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, 2005. 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 31, 2001


Paul R. Cleary, Director
Water Resources Department

Application G-15189
Basin 02
SB

Water Resources Department
Volume 16 PARROTT CR
MGMT.CODE 7F, 7I, 7B

PERMIT G-13947
District 16



Oregon

John A. Kitzhaber, MD, 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 28, 2013

GW

COUNTY OF CLACKAMAS
150 BEAVERCREEK RD
OREGON CITY OR 97045

The Department has accepted the pump test results for the following permitted well(s):

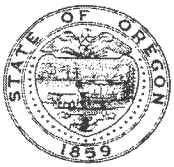
Application	Permit	Permitted Well	Tested Well	Test Date	Test Status	Exemption	Owner's Well Name	
G	15189 G	13947	CLAC 56352	CLAC 56352	02/26/2010	Approved	None	WELL 1 / Well B (L-39490)
G	15189 G	13947	CLAC 59771	CLAC 56352	12/01/2010	Exempted	Multiple Well	WELL 2 / Well A (L-58712)

Please contact me if you have any questions.

Sincerely,

Karl Wozniak
Ground Water/Hydrology Section

cc: GW Pump Test File



Oregon

John A. Kitzhaber, MD, Governor

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

June 7, 2012

County of Clackamas
Gary Barth
150 Beavercreek RD
Clackamas OR 97015

On May 31, 2012 the Water Resources Department received the Claim of Beneficial Use (COBU) for the following file(s):

Application G-15189 Permit G-13947

The COBU included a report and map. In the future the Department will review your submittal. 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.

Your receipt is enclosed.

Cc: file



LETTER OF TRANSMITTAL

TO: Clackamas County
150 Beaver Creek Road
Oregon City, OR 97045

DATE: 5/24/2012	JOB NO.: 10152-002
ATTENTION: Rachelle Bonsi	
RE: G-13947 Stone Creek Golf Course	
FROM: Nancy Smith	

WE ARE SENDING YOU

- | | | |
|---|--|---|
| <input type="checkbox"/> Report | <input checked="" type="checkbox"/> Attached | <input type="checkbox"/> Under separate cover via _____ |
| <input type="checkbox"/> Draft Report | <input type="checkbox"/> Letter | <input type="checkbox"/> Cost Estimate |
| <input type="checkbox"/> Copy of Report | <input type="checkbox"/> Draft Letter | <input type="checkbox"/> Master Services Agreement |
| <input type="checkbox"/> Figure(s) | <input type="checkbox"/> Copy of Letter | <input type="checkbox"/> Work Order |
| <input type="checkbox"/> _____ | <input type="checkbox"/> Table(s) | <input type="checkbox"/> Change Order |

ORIGINALS	DATE	COPIES	DESCRIPTION
1			Mylar Map (replacement)
1			Complete COBU on disk.

THESE ARE TRANSMITTED as checked below:

- | | |
|---------------------------------------|--|
| <input type="checkbox"/> For approval | <input type="checkbox"/> For review and comment |
| <input type="checkbox"/> For your use | <input type="checkbox"/> For your signature and return |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Returning <i>EnviroLogic Resources</i> signed copy to you |

REMARKS

RECEIVED

MAY 31 2012

**WATER RESOURCES DEPT
SALEM, OREGON**

COPY TO: David Phipps — Stone Creek Golf Club

SIGNED: Nancy



Oregon

John A. Kitzhaber, MD, 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

May 17, 2012

RECEIVED

MAY 31 2012

**WATER RESOURCES DEPT
SALEM OREGON**

Gary Barth
County of Clackamas
150 Beaver Creek Rd
Clackamas, OR 97015

RE: Application File G-15189, Permit G-13947

Dear Mr. Barth,

On May 2, 2012, the Department received the Claim of Beneficial Use that your office submitted for Stone Creek Golf Club. The submittal included the Report; however, the map associated with the project was not submitted. The Claim cannot be accepted, or your check processed, without a complete Claim being submitted.

Our Fiscal Section has a policy regarding the length of time that a check can be held while we are awaiting additional information. That time has now been exceeded. Please find enclosed your Claim of Beneficial Use Report and check in the amount of \$150.00. Once you have the Report and Map assembled, they can be resubmitted along with the check in the amount of \$150.00.

The Department has not retained a copy of your Claim of Beneficial Use materials.

Please give Gerry Clark (503-986-0811) a call if you have any questions.

Sincerely,

Gerry Clark
Water Right Specialist
Certificates

Cc: file
Nancy Smith, CWRE

RECEIVED

MAY 3 1 2012

EnviroLogic Resources, Inc.
ENVIRONMENTAL • WATER RESOURCES SCIENTISTS



RECEIVED

MAY 02 2012

WATER RESOURCES DEPT
SALEM, OREGON

WATER RESOURCES DEPT
SALEM, OREGON

LETTER OF TRANSMITTAL

TO: Clackamas County
Gary Barth
150 Beaver Creek Rd
Clackamas, OR

DATE: 4-9-2012	JOB NO.: 10152.002
ATTENTION: Gary Barth	
RE: Claim of Beneficial Use Stone Creek Golf Club	
FROM: Nancy East-Smith	

WE ARE SENDING YOU

- ☐ Report
- ☐ Draft Report
- ☐ Copy of Report
- ☐ Figure(s)
- ☐

- ☒ Attached
- ☐ Letter
- ☐ Draft Letter
- ☐ Copy of Letter
- ☐ Table(s)

sign & submit
to WRD
with map tube
& 150⁰⁰ check/fee

via _____

ement

ORIGINALS	DATE	COPIES	DESCRIPTION
1	4-9-2012		COBU G-13947 [copy for WRD, include check (\$150.00) and maps (in tube)]
	4-9-2012	2	COBU G-13947 [for county records (map bound inside report)]
	4-9-2012	1	COBU G-13947 (sign and return to us for our records)

THESE ARE TRANSMITTED as checked below:

- ☐ For approval
- ☐ For review and comment
- ☐ For your use
- ☐ For your signature and return
- ☐ As requested
- ☐ Returning *EnviroLogic Resources* signed copy to you

REMARKS

Dave Phipps reviewed and approved this for WRD submittal last week. The document should be ready to submit to WRD. Please let us know if you have any additional comments. Distribution is as follows:

Please sign all 4 copies.

- Submit one copy with map tube to WRD. Include submittal fee of \$150.00.
- Return one copy to us (return envelope provided).
- Retain two copies for your records.

COPY TO: Mike Turley – Stone Creek Golf Club (unsigned copy)

SIGNED: _____

Nancy East-Smith

RECEIVED

MAY 31 2012

WATER RESOURCES DEPT
SALEM, OREGON

RECEIVED

MAY 02 2012

WATER RESOURCES DEPT
SALEM, OREGON

April 9, 2011
10152.002

Clackamas County
Gary Barth
150 Beaver Creek Road
Clackamas, Oregon 97015

VIA First Class Mail

**Subject: Transmittal of Groundwater Claim of Beneficial Use
Permit G-13947 (Application G-15189)
Clackamas County, Oregon**

Dear Mr. Barth:

This *EnviroLogic Resources, Inc.*, letter accompanies four copies of the Claim of Beneficial Use report that we prepared for the referenced Oregon Water Resources Department (WRD) permit and five copies of the related Figure 1 Claim map. Each Claim report has a paper copy of the map bound in it and the extra paper copy and mylar copy get forwarded on to WRD.

To execute the Claim, please sign all four copies of the report at the space provided below my seal. After signing, please forward one copy of the report with the two unbound maps (one mylar and one paper) and the required fee of \$150.00 to the WRD at the following address:

Oregon Water Resources Department
725 Summer Street N.E., Suite A
Salem, Oregon 97301-1266

We recommend sending the report and maps by a method that provides a receipt that the WRD received the documents.

Two copies of the report are for your records. Please return the remaining signed copy of the Claim report to us for our records. We have also sent a copy of the report (unsigned with a paper map) to Mike Turley at Stone Creek Golf Club.

It can take up to five years for WRD to review the documents and issue a water right certificate. If the County would like to receive a certificate before that time, the WRD offers a Reimbursement Program under which the County could pay the WRD to have a contractor process the Claim. This third party processing generally can be completed within a 3-month period. We estimate the cost of the processing would be on the order of \$2,500. We would be happy to provide more information on this program if you are interested.

Clackamas County
April 9, 2012
Page 2



We appreciate this opportunity to assist you in perfecting your water rights. Please call me if you have any questions about the Claim or the filing process.

Sincerely,
EnviroLogic Resources, Inc.

Nancy A. East Smith

Nancy A. East Smith, RG, CWRE
Senior Project Geologist

Tom Calabrese

Tom Calabrese, RG, CWRE
Senior Hydrogeologists
President

Encl.

cc: Mike Turley – Stone Creek Golf Club

RECEIVED

MAY 02 2012

WATER RESOURCES DEPT
SALEM, OREGON

RECEIVED

MAY 31 2012

WATER RESOURCES DEPT
SALEM OREGON

Date Received 5/31/2012CWRE Name Nancy E. SmithClaim Logged ☒

File Marked _____

Oversized Map # 689

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 or 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:

Completion Checklist for CWRE Claims of Beneficial Use

Application # 615189



Date Received 5/2/2012
 CWRE Name Nancy Smith Claim Logged _____
 File Marked _____
 Oversized Map # _____
 Read the file and attach a copy of the permit or transfer final order. _____

*No Map
Return
5/17/2012*

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:



Oregon

John A. Kitzhaber, MD, 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

May 17, 2012

Gary Barth
County of Clackamas
150 Beaver Creek Rd
Clackamas, OR 97015

RE: Application File G-15189, Permit G-13947

Dear Mr. Barth,

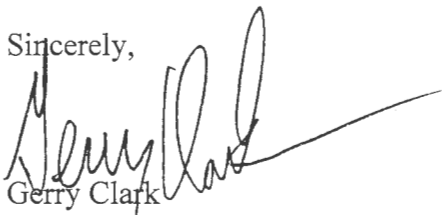
On May 2, 2012, the Department received the Claim of Beneficial Use that your office submitted for Stone Creek Golf Club. The submittal included the Report; however, the map associated with the project was not submitted. The Claim cannot be accepted, or your check processed, without a complete Claim being submitted.

Our Fiscal Section has a policy regarding the length of time that a check can be held while we are awaiting additional information. That time has now been exceeded. Please find enclosed your Claim of Beneficial Use Report and check in the amount of \$150.00. Once you have the Report and Map assembled, they can be resubmitted along with the check in the amount of \$150.00.

The Department has not retained a copy of your Claim of Beneficial Use materials.

Please give Gerry Clark (503-986-0811) a call if you have any questions.

Sincerely,



Gerry Clark
Water Right Specialist
Certificates

Cc: file
Nancy Smith, CWRE



Oregon

John A. Kitzhaber, MD, 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

July 29, 2011

COUNTY OF CLACKAMAS
ATTN: DAN ZINZER
9101 SE SUNNYBROOK BLVD
CLACKAMAS, OR 97015

REFERENCE: Application G-15189 / Permit G-13947, Modified by
Permit Amendment T-9682

Dear Permit Holder:

The Water Rights and Adjudications Division received your written progress report for Permit G-13947, Modified by Permit Amendment T-9682. Receipt of the progress report was published on the Department's weekly Public Notice, dated June 14, 2011. The Department did not receive any public comment on the progress report.

After reviewing your Progress Report, the Department determined that diligence toward completion of the project and compliance with the terms and conditions of the permit and extension has been demonstrated.

If you have any questions, please feel free to contact me by telephone at (503) 986-0827.

Sincerely,

Ann Reece
Extensions
Water Rights Services Division

Enclosure

cc: Application G-15189
Watermaster District 20 – Sabrina White-Scarver



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

Extension of Time Progress Report Form For Checkpoints

TO THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT

Permit Holders: CLACKAMAS COUNTY

Application G-15189
Permit G-13947

Report Due no later than **October 1, 2009**

Progress Report Form for 2009

As authorized in ORS 690-315-0050(6), this progress report is required in order to ensure diligence is exercised in the development and perfection of Permit G-13947

DATE	LIST ALL WORK ACCOMPLISHED AND INVESTMENT COSTS	INVESTMENT COSTS
10/01/2004 to 10/01/2009	Reliable wells established in 2004 before October 1. Between 2004 and 2009 established irrigation practices resulting in this being utilized as the supplemental irrigation right. Prepared for pump test that was performed in December 2009. Capital investment (beyond maintenance) associated with this right was minimal. Investment limited to complying with permit conditions.	\$1,200

2. Compliance with terms and conditions of the permit and/or previous extension.

Complied with all permit conditions. Electronic equipment failure during 2009 pump test resulted in second pump test conducted in 2010. Ready to submit pump test results.

RECEIVED

OCT 13 2010

WATER RESOURCES DEPT
SALEM, OREGON

3. Total number of acres irrigated to date= 121 (if applicable)

4. Provide the maximum rate, or duty if applicable, of water diverted for beneficial use under this permit, if any, made to date.

Maximum rate used to date = .89 cfs (cubic feet per second)

Maximum rate used to date = _____ gpm (gallons per minute)

Acre-feet stored to date = NA AF

Report the rate in the same units of measurement as specified in the permit, being cfs (cubic feet per second), gpm (gallons per minute) or AF (acre-feet). Do not provide daily, monthly or annual water volume totals.

Signature David Phipps

Digitally signed by David Phipps
DN: cn=David Phipps, o=Stacy Creek Golf Club, email=phippsd@gmail.com, c=US
Date: 2010.10.05 14:25:59 -0700

Date 10-5-2010

For OWRD use only

Diligence Shown ☒ Yes ☐ No

Date Public Noticed: 6-14-2011

Reviewed by: ALP

Date: 7-29-2011



LETTER OF TRANSMITTAL

TO: Oregon WRD
725 Summer Street NE, Suite A
Salem, Oregon 97301

DATE: 11/11/2010	JOB NO.: 10152-002
ATTENTION:	
RE: Annual Progress Report G-13947	
FROM:	

WE ARE SENDING YOU

- ☐ Report
- ☐ Draft Report
- ☐ Copy of Report
- ☐ Figure(s)
- ☐ _____

- ☒ Attached
- ☐ Letter
- ☐ Draft Letter
- ☐ Copy of Letter
- ☐ Table(s)

- ☐ Under separate cover via _____
- ☐ Cost Estimate
- ☐ Master Services Agreement
- ☐ Work Order
- ☐ Change Order

ORIGINALS	DATE	COPIES	DESCRIPTION
1	10/5/2010	1	Progress Report Form for 2009, G-13947

THESE ARE TRANSMITTED as checked below:

- ☐ For approval
- ☐ For review and comment
- ☐ For your use
- ☐ For your signature and return
- ☐ As requested
- ☐ Returning *EnviroLogic Resources* signed copy to you

REMARKS

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WATER RESOURCES DEPT
SALEM, OREGON

COPY TO: David Phipps – Stone Creek Golf Club

SIGNED: *Nancy A. East Smith*

Route Slip.....Extension of Time Progress Report

1. Extension Specialist: Progress Report Review

Date Report Received: 10/13/10

Report Complete: YES

2. Jonnine: Publish on the Department's Public Notice

315 OAR Division under which Progress Report was required

- ☒ Publish on Public Notice Date: 6/14/11 *JS*
- ☒ Update workflow in WRIS (Fill in Extension Checkpoint 'Completed Date' in appropriate work flow record) 2009
- ☒ Return to Extension Specialist

3. Extension Specialist: Prepare Progress Report Confirmation Letter

See progress report procedures.doc

(date / mail out after 30 day comment period)

Date Confirmation Letter Needed:

- ☒ Update Progress Report Worksheet.xls
- ☒ Send to permit holder + anyone who made comments after 30 day public notice
CC: Watermaster _____
File _____

4. Return file to cabinet

PUBLIC NOTICE INFORMATION

Permit Holder's Name: COUNTY OF CLACKAMAS ATTN: DAN ZINZER

Application: G-15189

Permit: G-13947

County: Clackamas

Source: Two Wells within Beaver Creek Basin

Use: Irrigation and Maintenance of Four Reservoirs Constructed Under Permit R-11390

MEMORANDUM

TO: DOUG WOODCOCK, MANAGER GROUND WATER SECTION
FROM: CERTIFICATE SECTION - CONNIE VANCE
SUBJECT: PUMP TEST FOR PERMIT G-13947 APPLICATION G-15189
DATE: 12/7/2010

The attached pump test was recently received. We have retained the original for the application file.

S:\groups\wr\certs\Resource Center\pump test memo normal.doc

LETTER OF TRANSMITTAL

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

DATE: 12/01/10	JOB NO.: 10152.002
ATTENTION: Ann Reece	
RE: Pump Test Submittal	
FROM: Nancy A. East Smith	

WE ARE SENDING YOU

- | | | |
|---|--|---|
| <input type="checkbox"/> Report | <input checked="" type="checkbox"/> Attached | <input type="checkbox"/> Under separate cover via _____ |
| <input type="checkbox"/> Draft Report | <input type="checkbox"/> Letter | <input type="checkbox"/> Cost Estimate |
| <input type="checkbox"/> Copy of Report | <input type="checkbox"/> Draft Letter | <input type="checkbox"/> Master Services Agreement |
| <input type="checkbox"/> Figure(s) | <input type="checkbox"/> Copy of Letter | <input type="checkbox"/> Work Order |
| <input type="checkbox"/> _____ | <input type="checkbox"/> Table(s) | <input type="checkbox"/> Change Order |

ORIGINALS	DATE	COPIES	DESCRIPTION
1	11/30/2010		Application G-15189, Permit G-13947 - Pump Test Form Cover Sheet and Pumping Test Data Sheet

RECEIVED

DEC 03 2010

THESE ARE TRANSMITTED as checked below:

- | | |
|--|--|
| <input checked="" type="checkbox"/> For approval | <input type="checkbox"/> For review and comment |
| <input type="checkbox"/> For your use | <input type="checkbox"/> For your signature and return |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Returning <i>EnviroLogic Resources</i> signed copy to you |

WATER RESOURCES DEPT
SALEM, OREGON

REMARKS

Ann,

Attached is the pump test information for Clackamas County/Stone Creek Golf Club. Please call me at (503) 768-5121 if you have any questions.

COPY TO: Dave Phipps-Stone Creek Golf Club; Gary Barth-Clackamas County

SIGNED: _____

Nancy East Smith
CURE

Oregon Water Resources Department
PUMP TEST FORM COVER SHEET

CLACK 30352

Well Owner:

Name: Clackamas County
Address: 150 Beaver Creek Road
County: Clackamas
City: Oregon City State: OR Zip: 97045
Original owner (from well log): Golf Solutions LLC

Well Location:

Township: 3 S Range: 2 E
Section: 21 $\frac{1}{4}$: NW $\frac{1}{16}$: NE $\frac{1}{64}$: SE
Well depth: 1,210 Date drilled: 10.25.2000
Owners well no. (if any): Well 1
POD ID: Well 2

Water Right Information:

Application: G15189 Permit: G13947 Certificate: _____
Is this well listed on more than one water right? ☐ Yes If yes, list additional water rights below:
Application: _____ Permit: _____ Certificate: _____
Application: _____ Permit: _____ Certificate: _____

Pump Test:

Test Conducted by: Melanie Bocianowski under supervision of Tom Calabrese, CWRE Well Owner? ☐ Yes
Company: EnviroLogic Resources, Inc.
Address: PO Box 80762 Date of Test: 02/26/2010
City: Portland State: OR Zip: 97280
Daytime phone: 503-768-5121

Method of discharge measurement (see our brochure for more information): Flow meter
Method of water-level measurement (pick one or enter other method used): Transducer
Length of air line (if used): _____

Pump type (pick one or enter other method used): Submersible
Was the pump test conducted during normal use of the well? ☐ Yes Note: No

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? ☐ Yes Note: No
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 $\frac{1}{4}$ mile of the tested well? ☒ Yes If yes, give approximate distance from the well and approximate elevation difference between the surface water and the well head. Approx. distance: 20 ft Approx. elevation difference: 10 ft

Well elevation is below surface water body. This is a constructed reservoir. Nearest natural water body is an unnamed stream approx 1,120 feet away and elev. difference of 10 feet lower.

Description of measuring point (e.g. top port of 1 inch port pipe, west side) 1 1/4" pipe on west side of casing (access port to dedicated transducer).

Measuring point distance below land surface 804.5 feet.

Static water level measurements: (A minimum of three measurements are required in the hour before pumping begins at no less than 20 minutes apart):

Time	Depth to water below meas. point	Depth to water below land surface
<u>8:01 am</u>	_____	<u>303.4</u>
<u>8:21 am</u>	_____	<u>303.4</u>
<u>8:41 am</u>	_____	<u>303.4</u>

Discharge measurements: (A discharge measurement is required at the start of pumping and at least once an hour during the test; additional measurements should be noted on the Pump Test Data Sheet):

Time	Discharge Rate	Discharge Units (e.g. gpm, cfs, etc)
<u>9:10 am</u>	<u>337</u>	<u>gpm (gallons per minute)</u>
<u>10:05 am</u>	<u>300</u>	<u>gpm (gallons per minute)</u>
<u>11:05 am</u>	<u>307</u>	<u>gpm (gallons per minute)</u>
<u>12:05 pm</u>	<u>292</u>	<u>gpm (gallons per minute)</u>
<u>1:05 pm</u>	<u>290</u>	<u>gpm (gallons per minute)</u>

Time pump turned on: _____ Date 02/26/2010 Time 9:05 am
Time pump turned off: _____ Date 02/26/2010 Time 1:05 pm
Total pumping time: 4 hours 0 minutes

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

Additional forms can be obtained from our web site at: <http://www.wrd.state.or.us>

OWRD 2/9/2000

Required Signature: _____

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WATER RESOURCES DEPT
SALEM, OREGON

Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	8:02:00	0	0	217.194	303.4	42269170	Measured using a dedicated transducer below the surface Well had been shut off since January 1, 2010
2/26/2010	8:03:00	0	0	217.194	303.4		
2/26/2010	8:04:00	0	0	217.194	303.4		
2/26/2010	8:05:00	0	0	217.194	303.4		
2/26/2010	8:06:00	0	0	217.194	303.4		
2/26/2010	8:07:00	0	0	217.196	303.4		
2/26/2010	8:08:00	0	0	217.196	303.4		
2/26/2010	8:09:00	0	0	217.196	303.4		
2/26/2010	8:10:00	0	0	217.196	303.4		
2/26/2010	8:11:00	0	0	217.187	303.4		
2/26/2010	8:12:00	0	0	217.196	303.4		
2/26/2010	8:13:00	0	0	217.196	303.4		
2/26/2010	8:14:00	0	0	217.196	303.4		
2/26/2010	8:15:00	0	0	217.196	303.4		
2/26/2010	8:16:00	0	0	217.194	303.4		
2/26/2010	8:17:00	0	0	217.194	303.4		
2/26/2010	8:18:00	0	0	217.194	303.4		
2/26/2010	8:19:00	0	0	217.194	303.4		
2/26/2010	8:20:00	0	0	217.194	303.4		
2/26/2010	8:21:00	0	0	217.194	303.4		
2/26/2010	8:22:00	0	0	217.194	303.4		
2/26/2010	8:23:00	0	0	217.194	303.4		
2/26/2010	8:24:00	0	0	217.194	303.4		
2/26/2010	8:25:00	0	0	217.194	303.4		
2/26/2010	8:26:00	0	0	217.194	303.4		
2/26/2010	8:27:00	0	0	217.194	303.4		
2/26/2010	8:28:00	0	0	217.203	303.4		
2/26/2010	8:29:00	0	0	217.196	303.4		
2/26/2010	8:30:00	0	0	217.196	303.4		
2/26/2010	8:31:00	0	0	217.205	303.4		
2/26/2010	8:32:00	0	0	217.196	303.4		
2/26/2010	8:33:00	0	0	217.205	303.4		
2/26/2010	8:34:00	0	0	217.196	303.4		
2/26/2010	8:35:00	0	0	217.194	303.4		
2/26/2010	8:36:00	0	0	217.196	303.4		
2/26/2010	8:37:00	0	0	217.196	303.4		
2/26/2010	8:38:00	0	0	217.205	303.4		
2/26/2010	8:39:00	0	0	217.194	303.4		
2/26/2010	8:40:00	0	0	217.203	303.4		
2/26/2010	8:41:00	0	0	217.194	303.4		
2/26/2010	8:42:00	0	0	217.194	303.4		
2/26/2010	8:43:00	0	0	217.194	303.4		
2/26/2010	8:44:00	0	0	217.203	303.4		
2/26/2010	8:45:00	0	0	217.203	303.4		
2/26/2010	8:46:00	0	0	217.203	303.4		

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WATER RESOURCES DEPT
SALEM, OREGON

Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	8:47:00	0	0	217.196	303.4		
2/26/2010	8:48:00	0	0	217.203	303.4		
2/26/2010	8:49:00	0	0	217.194	303.4		
2/26/2010	8:50:00	0	0	217.205	303.4		
2/26/2010	8:51:00	0	0	217.203	303.4		
2/26/2010	8:52:00	0	0	217.196	303.4		
2/26/2010	8:53:00	0	0	217.196	303.4		
2/26/2010	8:54:00	0	0	217.196	303.4		
2/26/2010	8:55:00	0	0	217.196	303.4		
2/26/2010	8:56:00	0	0	217.205	303.4		
2/26/2010	8:57:00	0	0	217.196	303.4		
2/26/2010	8:58:00	0	0	217.196	303.4		
2/26/2010	8:59:00	0	0	217.205	303.4		
2/26/2010	9:00:00	0	0	217.196	303.4		
2/26/2010	9:01:00	0	0	217.205	303.4		
2/26/2010	9:02:00	0	0	217.205	303.4		
2/26/2010	9:03:00	0	0	217.196	303.4		
2/26/2010	9:04:00	0	0	217.205	303.4		
2/26/2010	9:05:00	0	0	217.205	303.4		Start Pumping at 9:05
2/26/2010	9:06:00	1	0	195.239	354.1		
2/26/2010	9:07:00	2	0	177.126	395.9		
2/26/2010	9:08:00	3	0	164.378	425.3	42270210	
2/26/2010	9:09:00	4	0	155.092	446.7	42270540	
2/26/2010	9:10:00	5	0	148.107	462.8		
2/26/2010	9:11:00	6	0	142.824	475.0		
2/26/2010	9:12:00	7	0	138.699	484.5		
2/26/2010	9:13:00	8	0	135.439	492.0		
2/26/2010	9:14:00	9	0	132.768	498.2		
2/26/2010	9:15:00	10	0	130.528	503.4	42270570	
2/26/2010	9:16:00	11	0	128.637	507.7		
2/26/2010	9:17:00	12	0	127.059	511.4		
2/26/2010	9:18:00	13	0	125.709	514.5		
2/26/2010	9:19:00	14	0	124.534	517.2		
2/26/2010	9:20:00	15	0	123.478	519.6		
2/26/2010	9:21:00	16	0	122.55	521.8		
2/26/2010	9:22:00	17	0	121.659	523.8		
2/26/2010	9:23:00	18	0	120.867	525.7		
2/26/2010	9:24:00	19	0	120.104	527.4		
2/26/2010	9:25:00	20	0	119.394	529.1		
2/26/2010	9:26:00	21	0	118.722	530.6		
2/26/2010	9:27:00	22	0	118.077	532.1		
2/26/2010	9:28:00	23	0	117.488	533.5		
2/26/2010	9:29:00	24	0	116.897	534.8		
2/26/2010	9:30:00	25	0	116.353	536.1		
2/26/2010	9:31:00	26	0	115.846	537.2	42277550	
2/26/2010	9:32:00	27	0	115.32	538.5		
2/26/2010	9:33:00	28	0	114.803	539.6		
2/26/2010	9:34:00	29	0	114.331	540.7		

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DEC 03 2010

WATER RESOURCES DEPT
SALEM, OREGON

Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	9:35:00	30	0	113.869	541.8	42278760	
2/26/2010	9:36:00	31	0	113.398	542.9		
2/26/2010	9:37:00	32	0	112.964	543.9		
2/26/2010	9:38:00	33	0	112.538	544.9		
2/26/2010	9:39:00	34	0	112.131	545.8		
2/26/2010	9:40:00	35	0	111.733	546.7		
2/26/2010	9:41:00	36	0	111.335	547.7		
2/26/2010	9:42:00	37	0	110.938	548.6		
2/26/2010	9:43:00	38	0	110.576	549.4		
2/26/2010	9:44:00	39	0	110.216	550.2		
2/26/2010	9:45:00	40	0	109.854	551.1	42281890	
2/26/2010	9:46:00	41	0	109.502	551.9		
2/26/2010	9:47:00	42	0	109.15	552.7		
2/26/2010	9:48:00	43	0	108.799	553.5		
2/26/2010	9:49:00	44	0	108.485	554.2		
2/26/2010	9:50:00	45	0	108.169	555.0		
2/26/2010	9:51:00	46	0	107.836	555.7		
2/26/2010	9:52:00	47	0	107.531	556.4		
2/26/2010	9:53:00	48	0	107.225	557.1		
2/26/2010	9:54:00	49	0	106.919	557.8		
2/26/2010	9:55:00	50	0	106.642	558.5	42284980	
2/26/2010	9:56:00	51	0	106.354	559.1		
2/26/2010	9:57:00	52	0	106.049	559.8		
2/26/2010	9:58:00	53	0	105.761	560.5		
2/26/2010	9:59:00	54	0	105.492	561.1		
2/26/2010	10:00:00	55	0	105.223	561.8		
2/26/2010	10:01:00	56	0	104.982	562.3		
2/26/2010	10:02:00	57	0	104.741	562.9		
2/26/2010	10:03:00	58	0	104.436	563.6		
2/26/2010	10:04:00	59	0	104.195	564.1		
2/26/2010	10:05:00	60	0	103.955	564.7	42288060	
2/26/2010	10:06:00	61	0	103.705	565.3		
2/26/2010	10:07:00	62	0	103.463	565.8		
2/26/2010	10:08:00	63	0	103.231	566.3		
2/26/2010	10:09:00	64	0	102.982	566.9		
2/26/2010	10:10:00	65	0	102.75	567.5		
2/26/2010	10:11:00	66	0	102.509	568.0		
2/26/2010	10:12:00	67	0	102.303	568.5		
2/26/2010	10:13:00	68	0	102.07	569.0		
2/26/2010	10:14:00	69	0	101.847	569.5		
2/26/2010	10:15:00	70	0	101.634	570.0		
2/26/2010	10:16:00	71	0	101.411	570.5		
2/26/2010	10:17:00	72	0	101.189	571.1		
2/26/2010	10:18:00	73	0	100.976	571.5		
2/26/2010	10:19:00	74	0	100.754	572.1		
2/26/2010	10:20:00	75	0	100.56	572.5		
2/26/2010	10:21:00	76	0	100.347	573.0		
2/26/2010	10:22:00	77	0	100.162	573.4		

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WATER RESOURCES DEPT
SALEM, OREGON

Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	10:23:00	78	0	99.977	573.9		
2/26/2010	10:24:00	79	0	99.782	574.3		
2/26/2010	10:25:00	80	0	99.598	574.7		
2/26/2010	10:26:00	81	0	99.385	575.2		
2/26/2010	10:27:00	82	0	99.199	575.6		
2/26/2010	10:28:00	83	0	99.023	576.1		
2/26/2010	10:29:00	84	0	98.839	576.5		
2/26/2010	10:30:00	85	0	98.69	576.8		
2/26/2010	10:31:00	86	0	98.496	577.3		
2/26/2010	10:32:00	87	0	98.327	577.7		
2/26/2010	10:33:00	88	0	98.152	578.1		
2/26/2010	10:34:00	89	0	97.993	578.4		
2/26/2010	10:35:00	90	0	97.817	578.8	42297170	
2/26/2010	10:36:00	91	0	97.633	579.3		
2/26/2010	10:37:00	92	0	97.466	579.6		
2/26/2010	10:38:00	93	0	97.291	580.0		
2/26/2010	10:39:00	94	0	97.144	580.4		
2/26/2010	10:40:00	95	0	96.958	580.8		
2/26/2010	10:41:00	96	0	96.791	581.2		
2/26/2010	10:42:00	97	0	96.626	581.6		
2/26/2010	10:43:00	98	0	96.468	581.9		
2/26/2010	10:44:00	99	0	96.32	582.3		
2/26/2010	10:45:00	100	0	96.172	582.6		
2/26/2010	10:46:00	101	0	96.015	583.0		
2/26/2010	10:47:00	102	0	95.876	583.3		
2/26/2010	10:48:00	103	0	95.718	583.7		
2/26/2010	10:49:00	104	0	95.58	584.0		
2/26/2010	10:50:00	105	0	95.431	584.3		
2/26/2010	10:51:00	106	0	95.292	584.7		
2/26/2010	10:52:00	107	0	95.135	585.0		
2/26/2010	10:53:00	108	0	94.987	585.4		
2/26/2010	10:54:00	109	0	94.858	585.7		
2/26/2010	10:55:00	110	0	94.7	586.0		
2/26/2010	10:56:00	111	0	94.552	586.4		
2/26/2010	10:57:00	112	0	94.421	586.7		
2/26/2010	10:58:00	113	0	94.274	587.0		
2/26/2010	10:59:00	114	0	94.135	587.3		
2/26/2010	11:00:00	115	0	93.997	587.6		
2/26/2010	11:01:00	116	0	93.848	588.0		
2/26/2010	11:02:00	117	0	93.738	588.2		
2/26/2010	11:03:00	118	0	93.589	588.6		
2/26/2010	11:04:00	119	0	93.459	588.9		
2/26/2010	11:05:00	120	0	93.348	589.1	42306170	
2/26/2010	11:06:00	121	0	93.229	589.4		
2/26/2010	11:07:00	122	0	93.098	589.7		
2/26/2010	11:08:00	123	0	92.979	590.0		
2/26/2010	11:09:00	124	0	92.876	590.2		
2/26/2010	11:10:00	125	0	92.737	590.6		

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WATER RESOURCES DEPT
SALEM, OREGON

Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	11:11:00	126	0	92.616	590.8		
2/26/2010	11:12:00	127	0	92.515	591.1		
2/26/2010	11:13:00	128	0	92.367	591.4		
2/26/2010	11:14:00	129	0	92.274	591.6		
2/26/2010	11:15:00	130	0	92.135	591.9		
2/26/2010	11:16:00	131	0	92.024	592.2		
2/26/2010	11:17:00	132	0	91.903	592.5		
2/26/2010	11:18:00	133	0	91.774	592.8		
2/26/2010	11:19:00	134	0	91.664	593.0		
2/26/2010	11:20:00	135	0	91.544	593.3		
2/26/2010	11:21:00	136	0	91.432	593.6		
2/26/2010	11:22:00	137	0	91.322	593.8		
2/26/2010	11:23:00	138	0	91.211	594.1		
2/26/2010	11:24:00	139	0	91.128	594.3		
2/26/2010	11:25:00	140	0	90.999	594.6		
2/26/2010	11:26:00	141	0	90.888	594.8		
2/26/2010	11:27:00	142	0	90.785	595.1		
2/26/2010	11:28:00	143	0	90.675	595.3		
2/26/2010	11:29:00	144	0	90.555	595.6		
2/26/2010	11:30:00	145	0	90.463	595.8		
2/26/2010	11:31:00	146	0	90.37	596.0		
2/26/2010	11:32:00	147	0	90.25	596.3		
2/26/2010	11:33:00	148	0	90.147	596.5		
2/26/2010	11:34:00	149	0	90.055	596.7		
2/26/2010	11:35:00	150	0	89.963	597.0	42315070	
2/26/2010	11:36:00	151	0	89.842	597.2		
2/26/2010	11:37:00	152	0	89.758	597.4		
2/26/2010	11:38:00	153	0	89.648	597.7		
2/26/2010	11:39:00	154	0	89.545	597.9		
2/26/2010	11:40:00	155	0	89.462	598.1		
2/26/2010	11:41:00	156	0	89.370	598.3		
2/26/2010	11:42:00	157	0	89.260	598.6		
2/26/2010	11:43:00	158	0	89.176	598.8		
2/26/2010	11:44:00	159	0	89.082	599.0		
2/26/2010	11:45:00	160	0	88.981	599.2		
2/26/2010	11:46:00	161	0	88.880	599.5		
2/26/2010	11:47:00	162	0	88.786	599.7		
2/26/2010	11:48:00	163	0	88.694	599.9		
2/26/2010	11:49:00	164	0	88.621	600.1		
2/26/2010	11:50:00	165	0	88.527	600.3		
2/26/2010	11:51:00	166	0	88.444	600.5		
2/26/2010	11:52:00	167	0	88.352	600.7		
2/26/2010	11:53:00	168	0	88.269	600.9		
2/26/2010	11:54:00	169	0	88.187	601.1		
2/26/2010	11:55:00	170	0	88.067	601.3		
2/26/2010	11:56:00	171	0	87.964	601.6		
2/26/2010	11:57:00	172	0	87.891	601.7		
2/26/2010	11:58:00	173	0	87.807	601.9		

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WATER RESOURCES DEPT
SALEM, OREGON

Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	11:59:00	174	0	87.696	602.2		
2/26/2010	12:00:00	175	0	87.613	602.4		
2/26/2010	12:01:00	176	0	87.530	602.6		
2/26/2010	12:02:00	177	0	87.457	602.7		
2/26/2010	12:03:00	178	0	87.382	602.9		
2/26/2010	12:04:00	179	0	87.299	603.1		
2/26/2010	12:05:00	180	0	87.225	603.3	42323880	
2/26/2010	12:06:00	181	0	87.150	603.4		
2/26/2010	12:07:00	182	0	87.086	603.6		
2/26/2010	12:08:00	183	0	87.011	603.8		
2/26/2010	12:09:00	184	0	86.928	604.0		
2/26/2010	12:10:00	185	0	86.862	604.1		
2/26/2010	12:11:00	186	0	86.799	604.3		
2/26/2010	12:12:00	187	0	86.716	604.4		
2/26/2010	12:13:00	188	0	86.641	604.6		
2/26/2010	12:14:00	189	0	86.549	604.8		
2/26/2010	12:15:00	190	0	86.484	605.0		
2/26/2010	12:16:00	191	0	86.410	605.2		
2/26/2010	12:17:00	192	0	86.327	605.3		
2/26/2010	12:18:00	193	0	86.235	605.6		
2/26/2010	12:19:00	194	0	86.161	605.7		
2/26/2010	12:20:00	195	0	86.088	605.9		
2/26/2010	12:21:00	196	0	85.995	606.1		
2/26/2010	12:22:00	197	0	85.921	606.3		
2/26/2010	12:23:00	198	0	85.856	606.4		
2/26/2010	12:24:00	199	0	85.801	606.6		
2/26/2010	12:25:00	200	0	85.727	606.7		
2/26/2010	12:26:00	201	0	85.634	606.9		
2/26/2010	12:27:00	202	0	85.543	607.2		
2/26/2010	12:28:00	203	0	85.487	607.3		
2/26/2010	12:29:00	204	0	85.405	607.5		
2/26/2010	12:30:00	205	0	85.321	607.7		
2/26/2010	12:31:00	206	0	85.247	607.8		
2/26/2010	12:32:00	207	0	85.183	608.0		
2/26/2010	12:33:00	208	0	85.100	608.2		
2/26/2010	12:34:00	209	0	85.053	608.3		
2/26/2010	12:35:00	210	0	84.979	608.5	42332610	
2/26/2010	12:36:00	211	0	84.924	608.6		
2/26/2010	12:37:00	212	0	84.85	608.8		
2/26/2010	12:38:00	213	0	84.776	608.9		
2/26/2010	12:39:00	214	0	84.703	609.1		
2/26/2010	12:40:00	215	0	84.62	609.3		
2/26/2010	12:41:00	216	0	84.563	609.4		
2/26/2010	12:42:00	217	0	84.499	609.6		
2/26/2010	12:43:00	218	0	84.425	609.7		
2/26/2010	12:44:00	219	0	84.361	609.9		
2/26/2010	12:45:00	220	0	84.296	610.0		
2/26/2010	12:46:00	221	0	84.222	610.2		

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WATER RESOURCES DEPT
SALEM, OREGON

Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	12:47:00	222	0	84.175	610.3		
2/26/2010	12:48:00	223	0	84.102	610.5		
2/26/2010	12:49:00	224	0	84.019	610.7		
2/26/2010	12:50:00	225	0	83.973	610.8		
2/26/2010	12:51:00	226	0	83.899	610.9		
2/26/2010	12:52:00	227	0	83.816	611.1		
2/26/2010	12:53:00	228	0	83.769	611.2		
2/26/2010	12:54:00	229	0	83.704	611.4		
2/26/2010	12:55:00	230	0	83.631	611.6		
2/26/2010	12:56:00	231	0	83.547	611.8		
2/26/2010	12:57:00	232	0	83.509	611.8		
2/26/2010	12:58:00	233	0	83.444	612.0		
2/26/2010	12:59:00	234	0	83.407	612.1		
2/26/2010	13:00:00	235	0	83.352	612.2		
2/26/2010	13:01:00	236	0	83.297	612.3		
2/26/2010	13:02:00	237	0	83.231	612.5		
2/26/2010	13:03:00	238	0	83.185	612.6		
2/26/2010	13:04:00	239	0	83.111	612.8		
2/26/2010	13:05:00	240	0	83.057	612.9	42341300	Stop pumping at 13:05
Start Recovery							
2/26/2010	13:06:00		0	92.450	591.2	4234130	Final Totalizer Reading
2/26/2010	13:07:00		1	110.073	550.6		
2/26/2010	13:08:00		2	122.721	521.4		
2/26/2010	13:09:00		3	132.054	499.9		
2/26/2010	13:10:00		4	138.679	484.6		
2/26/2010	13:11:00		5	143.741	472.9		
2/26/2010	13:12:00		6	147.706	463.7		
2/26/2010	13:13:00		7	150.928	456.3		
2/26/2010	13:14:00		8	153.596	450.2		
2/26/2010	13:15:00		9	155.832	445.0		
2/26/2010	13:16:00		10	157.737	440.6		
2/26/2010	13:17:00		11	159.402	436.8		
2/26/2010	13:18:00		12	160.865	433.4		
2/26/2010	13:19:00		13	162.181	430.3		
2/26/2010	13:20:00		14	163.360	427.6		
2/26/2010	13:21:00		15	164.436	425.1		
2/26/2010	13:22:00		16	165.430	422.9		
2/26/2010	13:23:00		17	166.350	420.7		
2/26/2010	13:24:00		18	167.207	418.8		
2/26/2010	13:25:00		19	168.007	416.9		
2/26/2010	13:26:00		20	168.762	415.2		
2/26/2010	13:27:00		21	169.470	413.5		
2/26/2010	13:28:00		22	170.171	411.9		
2/26/2010	13:29:00		23	170.805	410.5		
2/26/2010	13:30:00		24	171.413	409.1		
2/26/2010	13:31:00		25	172.001	407.7		
2/26/2010	13:32:00		26	172.564	406.4		
2/26/2010	13:33:00		27	173.098	405.2		

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WATER RESOURCES DEPT
SALEM, OREGON

Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	13:34:00		28	173.622	404.0		
2/26/2010	13:35:00		29	174.128	402.8		
2/26/2010	13:36:00		30	174.615	401.7		
2/26/2010	13:37:00		31	175.095	400.6		
2/26/2010	13:38:00		32	175.546	399.5		
2/26/2010	13:39:00		33	175.969	398.5		
2/26/2010	13:40:00		34	176.402	397.5		
2/26/2010	13:41:00		35	176.815	396.6		
2/26/2010	13:42:00		36	177.229	395.6		
2/26/2010	13:43:00		37	177.625	394.7		
2/26/2010	13:44:00		38	178.002	393.8		
2/26/2010	13:45:00		39	178.381	393.0		
2/26/2010	13:46:00		40	178.749	392.1		
2/26/2010	13:47:00		41	179.107	391.3		
2/26/2010	13:48:00		42	179.494	390.4		
2/26/2010	13:49:00		43	179.816	389.7		
2/26/2010	13:50:00		44	180.138	388.9		
2/26/2010	13:51:00		45	180.452	388.2		
2/26/2010	13:52:00		46	180.765	387.5		
2/26/2010	13:53:00		47	181.068	386.8		
2/26/2010	13:54:00		48	181.363	386.1		
2/26/2010	13:55:00		49	181.657	385.4		
2/26/2010	13:56:00		50	181.944	384.8		
2/26/2010	13:57:00		51	182.229	384.1		
2/26/2010	13:58:00		52	182.505	383.5		
2/26/2010	13:59:00		53	182.781	382.8		
2/26/2010	14:00:00		54	183.038	382.2		
2/26/2010	14:01:00		55	183.305	381.6		
2/26/2010	14:02:00		56	183.564	381.0		
2/26/2010	14:03:00		57	183.822	380.4		
2/26/2010	14:04:00		58	184.070	379.9		
2/26/2010	14:05:00		59	184.318	379.3		
2/26/2010	14:06:00		60	184.558	378.7		
2/26/2010	14:07:00		61	184.789	378.2		
2/26/2010	14:08:00		62	185.028	377.6		
2/26/2010	14:09:00		63	185.258	377.1		
2/26/2010	14:10:00		64	185.479	376.6		
2/26/2010	14:11:00		65	185.700	376.1		
2/26/2010	14:12:00		66	185.922	375.6		
2/26/2010	14:13:00		67	186.134	375.1		
2/26/2010	14:14:00		68	186.345	374.6		
2/26/2010	14:15:00		69	186.557	374.1		
2/26/2010	14:16:00		70	186.759	373.6		
2/26/2010	14:17:00		71	186.972	373.2		
2/26/2010	14:18:00		72	187.165	372.7		
2/26/2010	14:19:00		73	187.358	372.3		
2/26/2010	14:20:00		74	187.561	371.8		
2/26/2010	14:21:00		75	187.756	371.3		

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POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	14:22:00		76	187.939	370.9		
2/26/2010	14:23:00		77	188.123	370.5		
2/26/2010	14:24:00		78	188.307	370.1		
2/26/2010	14:25:00		79	188.501	369.6		
2/26/2010	14:26:00		80	188.677	369.2		
2/26/2010	14:27:00		81	188.842	368.8		
2/26/2010	14:28:00		82	189.017	368.4		
2/26/2010	14:29:00		83	189.192	368.0		
2/26/2010	14:30:00		84	189.358	367.7		
2/26/2010	14:31:00		85	189.525	367.3		
2/26/2010	14:32:00		86	189.690	366.9		
2/26/2010	14:33:00		87	189.856	366.5		
2/26/2010	14:34:00		88	190.012	366.1		
2/26/2010	14:35:00		89	190.178	365.8		
2/26/2010	14:36:00		90	190.336	365.4		
2/26/2010	14:37:00		91	190.483	365.1		
2/26/2010	14:38:00		92	190.639	364.7		
2/26/2010	14:39:00		93	190.796	364.3		
2/26/2010	14:40:00		94	190.943	364.0		
2/26/2010	14:41:00		95	191.090	363.7		
2/26/2010	14:42:00		96	191.229	363.3		
2/26/2010	14:43:00		97	191.377	363.0		
2/26/2010	14:44:00		98	191.515	362.7		
2/26/2010	14:45:00		99	191.662	362.3		
2/26/2010	14:46:00		100	191.800	362.0		
2/26/2010	14:47:00		101	191.938	361.7		
2/26/2010	14:48:00		102	192.066	361.4		
2/26/2010	14:49:00		103	192.206	361.1		
2/26/2010	14:50:00		104	192.335	360.8		
2/26/2010	14:51:00		105	192.463	360.5		
2/26/2010	14:52:00		106	192.601	360.2		
2/26/2010	14:53:00		107	192.730	359.9		
2/26/2010	14:54:00		108	192.861	359.6		
2/26/2010	14:55:00		109	192.980	359.3		
2/26/2010	14:56:00		110	193.109	359.0		
2/26/2010	14:57:00		111	193.228	358.7		
2/26/2010	14:58:00		112	193.348	358.4		
2/26/2010	14:59:00		113	193.468	358.2		
2/26/2010	15:00:00		114	193.587	357.9		
2/26/2010	15:01:00		115	193.707	357.6		
2/26/2010	15:02:00		116	193.817	357.4		
2/26/2010	15:03:00		117	193.938	357.1		
2/26/2010	15:04:00		118	194.049	356.8		
2/26/2010	15:05:00		119	194.159	356.6		
2/26/2010	15:06:00		120	194.279	356.3		
2/26/2010	15:07:00		121	194.389	356.0		
2/26/2010	15:08:00		122	194.499	355.8		
2/26/2010	15:09:00		123	194.600	355.6		

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WATER RESOURCES DEPT
SALEM, OREGON

Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	15:10:00		124	194.702	355.3		
2/26/2010	15:11:00		125	194.823	355.0		
2/26/2010	15:12:00		126	194.924	354.8		
2/26/2010	15:13:00		127	195.025	354.6		
2/26/2010	15:14:00		128	195.126	354.3		
2/26/2010	15:15:00		129	195.227	354.1		
2/26/2010	15:16:00		130	195.329	353.9		
2/26/2010	15:17:00		131	195.430	353.6		
2/26/2010	15:18:00		132	195.522	353.4		
2/26/2010	15:19:00		133	195.623	353.2		
2/26/2010	15:20:00		134	195.724	353.0		
2/26/2010	15:21:00		135	195.818	352.7		
2/26/2010	15:22:00		136	195.910	352.5		
2/26/2010	15:23:00		137	196.011	352.3		
2/26/2010	15:24:00		138	196.103	352.1		
2/26/2010	15:25:00		139	196.195	351.9		
2/26/2010	15:26:00		140	196.278	351.7		
2/26/2010	15:27:00		141	196.379	351.5		
2/26/2010	15:28:00		142	196.462	351.3		
2/26/2010	15:29:00		143	196.554	351.0		
2/26/2010	15:30:00		144	196.638	350.9		
2/26/2010	15:31:00		145	196.728	350.6		
2/26/2010	15:32:00		146	196.813	350.5		
2/26/2010	15:33:00		147	196.905	350.2		
2/26/2010	15:34:00		148	196.987	350.1		
2/26/2010	15:35:00		149	197.070	349.9		
2/26/2010	15:36:00		150	197.153	349.7		
2/26/2010	15:37:00		151	197.236	349.5		
2/26/2010	15:38:00		152	197.319	349.3		
2/26/2010	15:39:00		153	197.401	349.1		
2/26/2010	15:40:00		154	197.484	348.9		
2/26/2010	15:41:00		155	197.567	348.7		
2/26/2010	15:42:00		156	197.651	348.5		
2/26/2010	15:43:00		157	197.743	348.3		
2/26/2010	15:44:00		158	197.817	348.1		
2/26/2010	15:45:00		159	197.881	348.0		
2/26/2010	15:46:00		160	197.964	347.8		
2/26/2010	15:47:00		161	198.038	347.6		
2/26/2010	15:48:00		162	198.111	347.5		
2/26/2010	15:49:00		163	198.185	347.3		
2/26/2010	15:50:00		164	198.258	347.1		
2/26/2010	15:51:00		165	198.332	346.9		
2/26/2010	15:52:00		166	198.396	346.8		
2/26/2010	15:53:00		167	198.470	346.6		
2/26/2010	15:54:00		168	198.543	346.5		
2/26/2010	15:55:00		169	198.617	346.3		
2/26/2010	15:56:00		170	198.681	346.1		
2/26/2010	15:57:00		171	198.755	346.0		

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DEC 03 2010

WATER RESOURCES DEPT
SALEM, OREGON

Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	15:58:00		172	198.830	345.8		
2/26/2010	15:59:00		173	198.894	345.7		
2/26/2010	16:00:00		174	198.959	345.5		
2/26/2010	16:01:00		175	199.032	345.3		
2/26/2010	16:02:00		176	199.097	345.2		
2/26/2010	16:03:00		177	199.161	345.0		
2/26/2010	16:04:00		178	199.235	344.9		
2/26/2010	16:05:00		179	199.290	344.7		
2/26/2010	16:06:00		180	199.364	344.6		
2/26/2010	16:07:00		181	199.428	344.4		
2/26/2010	16:08:00		182	199.483	344.3		
2/26/2010	16:09:00		183	199.548	344.1		
2/26/2010	16:10:00		184	199.612	344.0		
2/26/2010	16:11:00		185	199.676	343.8		
2/26/2010	16:12:00		186	199.733	343.7		
2/26/2010	16:13:00		187	199.807	343.5		
2/26/2010	16:14:00		188	199.862	343.4		
2/26/2010	16:15:00		189	199.917	343.3		
2/26/2010	16:16:00		190	199.981	343.1		
2/26/2010	16:17:00		191	200.046	343.0		
2/26/2010	16:18:00		192	200.101	342.9		
2/26/2010	16:19:00		193	200.165	342.7		
2/26/2010	16:20:00		194	200.221	342.6		
2/26/2010	16:21:00		195	200.276	342.5		
2/26/2010	16:22:00		196	200.331	342.3		
2/26/2010	16:23:00		197	200.395	342.2		
2/26/2010	16:24:00		198	200.450	342.1		
2/26/2010	16:25:00		199	200.507	341.9		
2/26/2010	16:26:00		200	200.561	341.8		
2/26/2010	16:27:00		201	200.618	341.7		
2/26/2010	16:28:00		202	200.671	341.6		
2/26/2010	16:29:00		203	200.728	341.4		
2/26/2010	16:30:00		204	200.783	341.3		
2/26/2010	16:31:00		205	200.829	341.2		
2/26/2010	16:32:00		206	200.884	341.1		
2/26/2010	16:33:00		207	200.939	340.9		
2/26/2010	16:34:00		208	200.995	340.8		
2/26/2010	16:35:00		209	201.041	340.7		
2/26/2010	16:36:00		210	201.096	340.6		
2/26/2010	16:37:00		211	201.151	340.4		
2/26/2010	16:38:00		212	201.197	340.3		
2/26/2010	16:39:00		213	201.252	340.2		
2/26/2010	16:40:00		214	201.300	340.1		
2/26/2010	16:41:00		215	201.353	340.0		
2/26/2010	16:42:00		216	201.401	339.9		
2/26/2010	16:43:00		217	201.447	339.8		
2/26/2010	16:44:00		218	201.493	339.7		
2/26/2010	16:45:00		219	201.548	339.5		

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WATER RESOURCES DEPT
SALEM, OREGON

Application: G-15189

Permit: G-13947

Certificate: NA

POD Id:

Date	Clock Time	Elapsed time since pumping started (minutes)	Elapsed time since pumping stopped (minutes)	PSI	Depth to Water Below Land Surface (feet)	Flowmeter Totalizer (gallons)	Comments
2/26/2010	16:46:00		220	201.594	339.4		
2/26/2010	16:47:00		221	201.649	339.3		
2/26/2010	16:48:00		222	201.686	339.2		
2/26/2010	16:49:00		223	201.741	339.1		
2/26/2010	16:50:00		224	201.787	339.0		
2/26/2010	16:51:00		225	201.833	338.9		
2/26/2010	16:52:00		226	201.879	338.8		
2/26/2010	16:53:00		227	201.916	338.7		
2/26/2010	16:54:00		228	201.962	338.6		
2/26/2010	16:55:00		229	202.017	338.4		
2/26/2010	16:56:00		230	202.063	338.3		
2/26/2010	16:57:00		231	202.100	338.3		
2/26/2010	16:58:00		232	202.146	338.1		
2/26/2010	16:59:00		233	202.192	338.0		
2/26/2010	17:00:00		234	202.238	337.9		
2/26/2010	17:01:00		235	202.275	337.9		
2/26/2010	17:02:00		236	202.321	337.7		
2/26/2010	17:03:00		237	202.357	337.7		
2/26/2010	17:04:00		238	202.403	337.6		
2/26/2010	17:05:00		239	202.451	337.4		End of Test
2/26/2010	17:06:00		240	202.488	337.4		
2/26/2010	17:07:00			202.534	337.3		
2/26/2010	17:08:00			202.571	337.2		

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WATER RESOURCES DEPT
SALEM, OREGON

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

AMENDED COPY

CLAC 56352

WELL ID # 39490
(START CARD) # 135506

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

(1) OWNER: Well Number: 690
Name: Golf Solutions LLC
Address: PO Box 2980
City: Oregon City State OR Zip 97045

(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 1210 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE			SEAL			Amount	
Diameter	From	To	Material	From	To	sacks or pounds	
20	0	19	cement	0	19	15 sacks	
16	19	800	cement	40	800	300 sacks	
12	800	940					
8	940	1210					

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: 16 +1.5 21 312 ☒ ☐ ☒
12 0 500 250 ☒ ☐ ☒
12 500 800 312 ☒ ☐ ☒
Liner:
Final location of shoe(s) 800

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

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian
Yield gal/min Drawdown Drill stem at Time
0
0
200 940 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 Clackamas Latitude Longitude
Township 3S N or S. Range 2E E or W. of WM.
Section 21 SE 1/4 NW 1/4
Tax Lot 0790 Lot Block Subdivision
Street Address of Well (or nearest address)
21011 S. HWY 213

(10) STATIC WATER LEVEL:
310 ft. below land surface. Date 10/25/00
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 60

From	To	Estimated Flow Rate	SWL
60	80	25	35
200	240	500	90
320	340	200	90
900	930	200	310

(12) WELL LOG:
Ground elevation

Material	From	To	SWL
Clay, Brown	0	15	
Basalt, Gray	15	45	
Clay, Red	45	60	
Claystone, Brown	60	80	35
Claystone, Gray	80	200	
Sandstone, Gray	200	240	90
Claystone, Light Gray	240	300	
Claystone, Gray & Green	300	320	
Sandstone, Gray	320	340	90
Claystone, Gray & Green	340	480	
Claystone, Green & Gray; some wood	480	600	
Claystone, Gray & Green	600	770	
Claystone, Green; softer	770	810	
Claystone, Gray; hard	810	900	
Sandstone, Gray; hard	900	930	310
Claystone, Gray; hard	930	1210	

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WATER RESOURCES DEPT.
SALEM, OREGON

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WATER RESOURCES DEPT.
SALEM, OREGON

Date started 9/12/00 Completed 10/25/00

(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 my best knowledge and belief.

Signed _____ WWC Number _____
Date _____

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

Signed Rocky C. Cull WWC Number 663
Date 4/29/03

STATE OF OREGON
WATER SUPPLY WELL REPORT

(as required by ORS 537.785)

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

Clac 56352

CLAC 56352

AMENDED COPY

WELL ID # 39490

(START CARD) # 135506

(1) OWNER:

Well Number: 690

Name Golf Solutions LLC

Address Po Box 2980

City Oregon City State OR Zip 97045

(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 1210 ft.

Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE			SEAL			Amount	
Diameter	From	To	Material	From	To	sacks or pounds	
20	0	19	cement	0	19	15 sacks	
16	19	800	cement	40	800	300 sacks	
12	800	940					
8	940	1210					

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:	16	+1.5	21	.312	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	0	500	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	500	800	.312	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 800

(7) PERFORATIONS/SCREENS:

☐ Perforations

☐ Screens

Method _____

Type _____

Material _____

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

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

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

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

200		940	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 Clackamas Latitude _____ Longitude _____
Township 3S N or S. Range 2E E or W. of WM.
Section 21 SE $\frac{1}{4}$ NW $\frac{1}{4}$
Tax Lot 0790 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) _____
21011 S. HWY 213

(10) STATIC WATER LEVEL:

320 ft. below land surface. Date 10/25/00
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 60

	From	To	Estimated Flow Rate	SWL
60		80	25	35
200		240	500	90
320		540	200	90

(12) WELL LOG:

Ground elevation _____

Material	From	To	SWL
Clay, Brown	0	15	
Basalt, Gray	15	45	
Clay, Red	45	60	
Claystone, Brown	60	80	35
Claystone, Gray	80	200	
Sandstone, Gray	200	240	90
Claystone, Light Gray	240	300	
Claystone, Gray & Green	300	320	
Sandstone, Gray	320	340	90
Claystone, Gray & Green	340	480	
Claystone, Green & Gray; some wood	480	600	
Claystone, Gray & Green	600	770	
Claystone, Green; softer	770	810	
Claystone, Gray; hard	810	900	
Sandstone, Gray; hard	900	930	320
Claystone, Gray; hard	930	1210	

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SALEM, OREGON

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WATER RESOURCES DEPT.
SALEM, OREGON

Date started 9/12/00 Completed 10/25/00

(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 my best knowledge and belief.

Signed _____ WWC Number _____
Date _____

(bonded) Water Well Constructor Certification:

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

Signed Barry C. Ehl WWC Number 663
Date 10/5/01

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT

SECOND COPY - CONSTRUCTOR

THIRD COPY - CUSTOMER



Oregon

Theodore R. Kulongoski, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1266
503-986-0900
FAX 503-986-0904

February 11, 2010

CLACKAMAS COUNTY
ATTN: DAN ZINER
150 BEAVER CREEK ROAD
CLACKAMAS, OR 97015 45
Oregon City

REFERENCE: Application G-15189/ Permit G-13947

Dear Permit Holder:

On April 20, 2005 the Department issued a Final Order approving an Extension of Time for Permit G-13947. This Final Order included a condition that required the permit holder to submit a written progress report to the Department by October 1, 2009. This letter is being sent to you because the Department has not yet received the progress report.

For your convenience, I have enclosed a **Progress Report Form** for 2009. In order to maintain the ability to continue developing water under this permit, you should submit your overdue progress report immediately.

As per your most recent extension, the date by which water must be applied to full beneficial use within the terms and conditions of your permit is October 1, 2014. ***Failure to submit a written progress report may jeopardize continued development of your permit beyond October 1, 2014, as future extensions are evaluated on past due diligence, and consequently may not be granted.***

If you have any questions concerning this matter, you may contact me by telephone at (503) 986-0813.

Sincerely,

A handwritten signature in black ink, appearing to be "S. Kudlemyer", with a long horizontal line extending to the right.

Scott Kudlemyer
Extensions
Water Rights and Adjudications Division

Enclosure

cc:

Application G-15189

Watermaster District 20 – Sabrina White-Scarver

Final Order
Extension of Time for Permit Number G-13947

Appeal Rights

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

Application History

On April 21, 2004, County of Clackamas; Dan Zinzer submitted an application to the Department for an extension of time for permit number G-13947. The Department issued permit number G-13947 on May 31, 2001. The permit called for complete application of water to beneficial use by October 1, 2005. In accordance with OAR 690-315-0050(2), on October 19, 2004, the Department issued a Proposed Final Order proposing to extend the time to fully apply water to beneficial use to October 1, 2014. The protest period closed December 3, 2004, in accordance with OAR 690-315-0060(1). No protest was filed.

At time of issuance of the Proposed Final Order the Department concluded that, based on the factors demonstrated by the applicant, the permit may be extended subject to the following conditions:

CONDITIONS

1. **In accordance with OAR 690-315-0050(6), the permittee must submit a written progress report to the Department by October 1, 2009.** The report must be received by the Department not sooner than 90 days prior to the due date. The permittee's report must describe in detail the work done each year since the last extension was granted or the last progress report submitted. The report shall include:
 - a) The amount of construction completed;
 - b) The amount of beneficial use of water being made, including the total volume of water used, water used relative to the specific authorizations (types of use, acres irrigated, etc.) contained in the permit, and the percent of the total allowable water use that this represents;
 - c) A review of the permittee's compliance with terms and conditions of the permit and/or previous extension; and
 - d) Financial investments made toward developing the beneficial water use.

The Department will review the progress report to determine whether the permittee is exercising diligence towards completion of the project and complying with the terms and conditions of the permit and extension.

Failure to submit a progress report by the due date above may jeopardize continued development under the permit.

The Department will take into consideration annual reports submitted under OAR Chapter 690, Division 86 or ORS 537.099, and any other report that demonstrates diligence.

Other reports, however, are not a substitute for the progress reports and anything submitted must clearly show that diligence towards perfecting the water right permit is being attempted.

If the Department finds that diligence is questionable, the Department may:

- a) request the permittee to submit additional information with which to evaluate diligence; or
- b) apply additional conditions and performance criteria for perfection of the right; or
- c) cancel the undeveloped portion of the permit pursuant to ORS 537.260 or 537.410 to 537.450. The Department will grant the permittee a hearing on the cancellation, if one is requested.

In determining whether the permittee has been diligent, the Department will consider any information submitted to the Department by the permittee and any information submitted during the 30-day public comment period following public notice of submittal of the progress report.

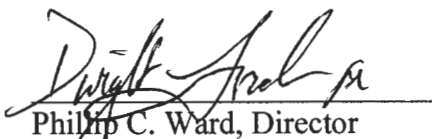
If information is received through the public notice process indicating that the applicant has not been diligent toward completing the project, and if the director determines there are significant disputes related to the use of water, the Department will conduct a hearing.

The applicant has demonstrated good cause for the permit extension pursuant to ORS 537.230, 537.248, 537.630, 539.010(5) and/or OAR 690-315-0040(2).

Order

The extension of time for Application Number G-15189, Permit Number G-13947, therefore, is approved. The deadline for applying water to full beneficial use is extended to October 1, 2014.

DATED: April 20, 2005


Phillip C. Ward, Director

Final Order: Permit #G-13947

If you have any questions about statements contained in this document, please contact Lisa Juul at (503) 986-0808.

If you have other questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at (503) 986-0900.

**Oregon Water Resources Department
Water Rights Division**

Application for Extension of Time

In the Matter of the Application)	
for an Extension of Time for)	
Permit #G-13947, Water Right)	PROPOSED FINAL ORDER
Application #G-15189)	
(County of Clackamas; Dan Zinzer))	

Permit Information

Application File #G-15189 / Permit #G-13947

Basin: #02 - Willamette Basin / Watermaster District: #20

Date of Priority: July 21, 2000

Authorized Use of Water

Source of Water:	Two Wells in Beaver Creek Basin
Purpose or Use:	Irrigation of 121.32 acres and Maintenance of Four Reservoirs constructed under Permit #R-11390
Maximum Rate:	1.859 cubic foot per second (cfs), being 1.52 cfs for Irrigation and 0.339 cfs for Reservoir Maintenance

**This Extension of Time request is being processed in accordance
with Oregon Administrative Rule Chapter 690, Division 315.**

***Please read this Proposed Final Order in its entirety as it contains
additional conditions not included in the original permit.***

This Proposed Final Order applies only to Permit #G-13947, water right Application #G-15189. A copy of Permit #G-13947 is enclosed as Attachment 1.

Summary of Proposed Final Order for Extension of Time

The Department proposes to:

- grant the extension for complete application of water from October 1, 2005, to October 1, 2014; and
- make the extension subject to certain conditions set forth below.

AUTHORITY

ORS 537.230 and ORS 537.630(1) provide in pertinent part that the Water Resources Department shall, for good cause shown, order an extension of time within which: irrigation or other works shall be completed; the well or other means of developing and securing ground water shall be completed; or the right perfected. In determining the extension, the Department shall give due weight to the considerations described under ORS 539.010(5).

ORS 539.010(5) provides in pertinent part that the Water Resources Director, for good cause shown, may extend the time within which the full amount of the water appropriated shall be applied to a beneficial use. This statute instructs the Director to consider: the cost of the appropriation and application of the water to a beneficial purpose; the good faith of the appropriator; the market for water or power to be supplied; the present demands therefore; and the income or use that may be required to provide fair and reasonable returns upon the investment.

OAR 690-315-0040 provides in pertinent part that the Water Resources Department shall make findings to determine if an extension of time may be approved to complete construction and/or apply water to full beneficial use.

OAR 690-315-0050(6) allows the Department, for extensions exceeding five years, to establish checkpoints to determine if diligence is being exercised in the development and perfection of the water use permit. Intervals between checkpoints will not exceed five year periods.

FINDINGS OF FACT

Background

1. Permit #G-13947 was granted by the Water Resources Department on May 31, 2001. The permit authorizes the use of up to 1.859 cfs of water from two wells in

Beaver Creek Basin, being 1.52 cfs for Irrigation of 121.32 acres and 0.339 cfs for Maintenance of four reservoirs constructed under Permit #R-11390. The permit specified that complete application of water was to be made on or before October 1, 2005.

2. The permit holder submitted an "Application for Extension of Time" to the Department on April 21, 2004, requesting the time in which to accomplish beneficial use of water to the full extent under the terms of Permit #G-13947 be extended from October 1, 2005, to October 1, 2014. This is the first permit extension requested for Permit #G-13947.
3. Notification of the permit holder's extension of time request for Permit #G-13947 was published on the Department's Public Notice dated April 27, 2004. No public comment on the extension application was received.

Review Criteria [OAR 690-315-0040(1)(2)]

As set forth under OAR 690-315-0040(1)(2), the time limits to complete construction or to apply the water to a beneficial use may be extended upon showing of good cause for the untimely completion. This determination shall consider the applicable requirements of ORS 537.230, 537.248¹, 537.630 and 539.010(5).

Other Governmental Requirements [ORS 537.230(2)]

4. Delay in the development of this project was not caused by any other governmental requirements.

Start of Construction [ORS 537.630]

5. Senate Bill 300 (1999 legislation) eliminates the requirement that holders of new surface water and ground water permits start construction on water projects within one year after the Water Resources Department issues the permit. Senate Bill 300 applies to any application for a permit filed after October 23, 1999. Permit G-13947 was filed on July 21, 2000, and therefore does not require the permit holder to begin construction on or before a date certain.

Financial Investment [ORS 539.010(5)]

¹ ORS 537.248 applies to reservoir permits only.

6. As of April 21, 2004, the permit holder had invested a total of \$10,700,000 into the project, consisting of construction of two wells and the pump system. An additional \$400,000 investment is anticipated for the completion of this project.

Reasonable Diligence and Good Faith of the Appropriator [ORS 537.230(1), 537.630(1) and 539.010(5)]

Reasonable diligence during the permit period constitutes a continuing test of whether and under what conditions to grant an extension [ORS 537.260, OAR 690-315-0040(3)].

In accordance with OAR 690-315-0040(3), the Department shall consider, but is not limited to, the following factors when determining whether the applicant has demonstrated reasonable diligence in previous performance under the permit:

Amount of Construction

7. The following construction was completed within the time allowed in the permit or previous extension:
 - a. As of April 21, 2004, the work accomplished thus far consists of complete construction of two wells and the pump system.

Beneficial Use of Water

8. The following beneficial use was made of the water during the permit or previous extension time limits:
 - a. Since the issuance of Permit #G-13947 on March 15, 1996, a maximum rate of 0.56 cfs of the permitted 1.859 cfs has been appropriated for the irrigation of 121.32 acres.
 - b. Delay of full beneficial use of water under Permit #G-13947 was due to damage to well #1 resulting in the need for a permit amendment (T-9682) to construct an additional well to fully appropriate water.

Compliance with Conditions

9. The water right permit holder's conformance with the permit or previous extension conditions.
 - a. The record does raise concerns about the permit holder's compliance with conditions. The permit holder does not indicate whether a meter has been installed prior to water use as required by Permit #G-13947. Use inconsistent with permit conditions constitutes illegal use of water.

Financial Investments

10. Financial investments made toward developing the beneficial water use.
 - a. As of April 21, 2004, the permit holder had invested approximately 96

percent of the total projected cost for complete development of this project. A total of \$10,700,000 has been invested into the project, consisting of construction of two wells and the pump system. An additional \$400,000 investment is anticipated for the completion of this project.

The Market and Present Demands for Water *[ORS 539.010(5) and OAR 690-315-0040(4)]*

In accordance with OAR 690-315-0040(4), the Department shall consider, but is not limited to, the following factors when determining the market and the present demand for water or power to be supplied:

11. The amount of water available to satisfy other affected water rights and scenic waterway flows.
 - a. The Department determined on August 15, 2000, that this use of ground water will if properly conditioned, adequately protect the surface water from interference. Because of this determination, this application does not raise concerns about surface water impact. Conditions were placed upon Permit #G-13947 in order to avoid injury to existing rights or to the ground water resource.
 - b. The permitted points of appropriation (the wells), authorized under Permit #G-13947, are not located within the boundaries of any designated ground water limited area.
 - c. The permitted points of appropriation, authorized under Permit G-13947, are not located within or above the designated boundaries of any state scenic waterway.
12. Special water use designations established since permit issuance, including but not limited to state scenic waterways, federal wild and scenic rivers, serious water management problem areas or water quality limited sources established under 33 U.S.C. 1313(d).
 - a. The permitted points of appropriation, authorized under Permit #G-13947, are located within the Beaver Creek Basin which has been identified by the Oregon Department of Fish and Wildlife as a "low" needs ranking area for streamflow restoration for fish. Additionally, Beaver Creek has not been designated by the Oregon Department of Environmental Quality as a water quality limited stream.
 - b. The permitted points of appropriation, authorized under Permit #G-13947, are not located within a designated segment of a federal wild and scenic

river.

13. The habitat needs of sensitive, threatened or endangered species, in consultation with the Oregon Department of Fish and Wildlife.
 - a. The permitted wells are located within a designated sensitive, threatened or endangered species area for aquatic species utilizing surface water resources, as identified on the Division 33 map furnished by the Oregon Department of Fish and Wildlife. The Department determined on August 15, 2000, that this use of ground water will if properly conditioned, adequately protect the surface water from interference. Because of this determination, this application does not raise concerns about surface water impact. Conditions were placed upon Permit #G-13947 in order to avoid injury to existing rights or to the ground water resource.
14. Economic investment in the project to date.
 - a. As of April 21, 2004, the permit holder had invested approximately 96 percent of the total projected cost for complete development of this project. A total of \$10,700,000 has been invested into the project, consisting of construction of two wells and the pump system. An additional \$400,000 investment is anticipated for the completion of this project.
15. Other economic interests dependent on completion of the project.
 - a. None have been identified.
16. Other factors relevant to the determination of the market and present demand for water and power.
 - a. None have been identified.

Fair Return Upon Investment [ORS 539.010(5)]

17. Use and income from the permitted water development will result in reasonable returns upon the investment made to date.

Duration of Extension [OAR 690-315-0040(1)(c), ORS 539.010(5)]

As set forth under OAR 690-315-0040(1)(c), time extensions granted shall be for the reasonable time period necessary to complete construction and application of water to

beneficial use.

18. As of April 21, 2004, the remaining work to be completed consists of complete application of water to beneficial use.
19. Delay of full beneficial use of water under Permit #G-13947 was due to damage to well #1 resulting in the need for a permit amendment (T-9682) to construct an additional well to fully appropriate water.
20. Given the amount of development left to occur, the Department has determined that the permittee's request to have until October 1, 2014, to complete the application of water to beneficial use under the terms of Permit #G-13947 is both reasonable and necessary.

CONCLUSIONS OF LAW

1. The applicant is entitled to apply for an extension of time to complete construction and/or completely apply water to the full beneficial use pursuant to ORS 537.230 and ORS 537.630.
2. The applicant has submitted a complete extension application form and the fee specified under ORS 536.050(1), as required by OAR 690-315-0040(1)(a).
3. Consistent with ORS 537.630 (as amended by Senate Bill 300, 1999 legislation), Permit #G-13947 does not require construction to begin on or before a date certain. [OAR 690-315-0040(1)(b)]
4. Full application of water to beneficial use can be completed by October 1, 2014², as required by OAR 690-315-0040(1)(c).
5. The Department has considered the requirements of other governmental agencies, the financial investment made, the reasonable diligence and good faith of the appropriator, the market and present demands for water and the fair return upon the investment, and has determined that the applicant has shown good cause exists for an extension to apply water to full beneficial use pursuant to OAR 690-315-0040(1)(d).
6. In order to ensure future diligence is exercised in the development and perfection

² Pursuant to ORS 537.630(3), upon the completion of beneficial use of water allowed under the permit, the permittee shall hire a certified water rights examiner to survey the appropriation. Within one year after the complete application of water to a beneficial use (or by the date allowed for the complete application of water to a beneficial use), the permittee shall submit a map of the survey and the claim of beneficial use.

of Permit #G-13947, the Department shall establish progress checkpoints in accordance with OAR 690-315-0050(6). (See Item #1 of the "Conditions" section contained in this Proposed Final Order for an Extension of Time.)

Proposed Order

Based upon the foregoing findings of fact and conclusions of law, the Department proposes to issue an order to:

Extend the time for complete application of water to beneficial use under Permit #G-13947 from October 1, 2005, to October 1, 2014.

Subject to the following conditions:

CONDITIONS

1. **In accordance with OAR 690-315-0050(6), the permittee must submit a written progress report to the Department by October 1, 2009.** The report must be received by the Department not sooner than 90 days prior to the due date. The permittee's report must describe in detail the work done each year since the last extension was granted or the last progress report submitted. The report shall include:
 - a) The amount of construction completed;
 - b) The amount of beneficial use of water being made, including the total volume of water used, water used relative to the specific authorizations (types of use, acres irrigated, etc.) contained in the permit, and the percent of the total allowable water use that this represents;
 - c) A review of the permittee's compliance with terms and conditions of the permit and/or previous extension; and
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The Department will review the progress report to determine whether the permittee is exercising diligence towards completion of the project and complying with the terms and conditions of the permit and extension.

Failure to submit a progress report by the due date above may jeopardize continued development under the permit.

The Department will take into consideration annual reports submitted under OAR Chapter 690, Division 86 or ORS 537.099, and any other report that demonstrates diligence.

Other reports, however, are not a substitute for the progress reports and anything submitted must clearly show that diligence towards perfecting the water right permit is being attempted.

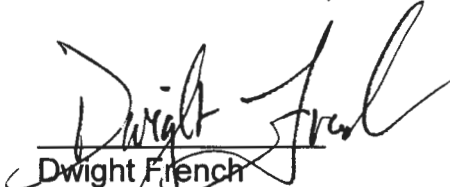
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- a) request the permittee to submit additional information with which to evaluate diligence; or
- b) apply additional conditions and performance criteria for perfection of the right; or
- c) cancel the undeveloped portion of the permit pursuant to ORS 537.260 or 537.410 to 537.450. The Department will grant the permittee a hearing on the cancellation, if one is requested.

In determining whether the permittee has been diligent, the Department will consider any information submitted to the Department by the permittee and any information submitted during the 30-day public comment period following public notice of submittal of the progress report.

If information is received through the public notice process indicating that the applicant has not been diligent toward completing the project, and if the director determines there are significant disputes related to the use of water, the Department will conduct a hearing.

DATED: October 19, 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.*

Proposed Final Order Hearing Rights

1. Under the provisions of OAR 690-315-0060, the applicant or any other person adversely affected or aggrieved by the proposed final order may request a contested case hearing on the proposed final order. Your request for contested case hearing must be in writing and must be received by the Water Resources Department no later than **Friday, December 3, 2004**, being 45 days from the date of publication of the proposed final order in the Department's weekly public notice.
2. A written request for contested case hearing shall include:
 - a. The name, address and telephone number of the petitioner;
 - b. A description of the petitioner's interest in the final order and if the

- protestant claims to represent the public interest, a precise statement of the public interest represented;
- c. A detailed description of how the action proposed in the final order would adversely affect or aggrieve the petitioner's interest;
 - d. A detailed description of how the final order is in error or deficient and how to correct the alleged error or deficiency;
 - e. Any citation of legal authority supporting the petitioner, if known;
 - f. Proof of service of the petition upon the water right permit holder, if petitioner is other than the water right permit holder; and
 - g. The protest fee required under ORS 536.050.
3. Within 60 days after the close of the period for requesting a contested case hearing, the Director shall:
- a. Issue a final order on the extension request; or
 - b. Schedule a contested case hearing if a request for contested case hearing has been submitted, and:
 - A. Upon review of the issues, the Director finds there are significant disputes related to the proposed agency action; or
 - B. The applicant submitted a timely request for a contested case hearing.

If you have other questions about the Department, or any of its programs, please contact our Water Rights Information Group at (503)986-0900. Address all other correspondence to:

**Water Rights Section
Oregon Water Resources Department
725 NE Summer Street, Suite A
Salem, OR 97301-1271
Fax #: (503)986-0901**

If you have any questions about statements contained in this document, please contact Lisa Juul at (503)986-0808.

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. Her telephone number is (503)986-0824.

If you have other questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at (503)986-0900.

Extension "Final Order" Checklist

Application # G-15189 / Permit # G-13947

Permit Holder's Name County of Clackamas; Dan Zinzer

This Final Order is processed under: ☒ Div. 315 Rules -or- ☐ Div. 320 Rules

___ 1. Date Extension Request submitted: 4-21-04

___ 2. Date permit was issued: 5-31-01

___ 3. Original "B" Date from permit:
(Date for completion of construction)

___ 4. Original "C" Date from permit: 10-1-05
(Date for complete application of water)

___ 5. Extension PFO Date: 10-19-04

___ 6. WRD recommends extending "B" Date to:

and extending the "C" Date to: 10-1-2014

___ 7. Any conditions from PFO: no yes 5 yr progress

___ 8. Protest Deadline Date from PFO: 12-3-04

___ 9. Any written Protests or written Comments received within the Protest period?
Yes / No

Reviewer's Name: Ant [Signature]

Date: 10/14/04

Water Use Report

MIKE MCLEES
COUNTY OF CLACKAMAS
9101 SE SUNNYBROOK BLVD
CLACKAMAS OR 97015

Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
33157	LAKE A		R 11390	R 70117		11/09/1989	3.0S	2.0E	21	ST	0.0	6.4	UNN STR 1/RES 1	BEAVER CR
33157	LAKE A		R 11390	R 70117		06/27/1991	3.0S	2.0E	21	RC	0.0	2.7	UNN STR 1/RES 1	BEAVER CR

Water Year	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2003	AFT	0.0	1.4	1.4	1.4	2.5	3.0	2.8	1.4	0.8	0.0	0.0	0.0
2002	AFT	0.5	2.5	2.5	3.0	3.0	3.0	2.5	1.5	0.8	0.0	0.0	0.0
2001	AFT	0.55	0.0	0.0	0.0	0.0	5.0	7.0	12.0	15.0	0.0	0.0	0.0

Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
33158			R 11390	R 70117		11/09/1989	3.0S	2.0E	21	ST	0.0	0.3	UNN STR 1/RES 2	BEAVER CR
33158			R 11390	R 70117		06/27/1991	3.0S	2.0E	21	RC	0.0	1.2	UNN STR 1/RES 2	BEAVER CR

NO Water Use Records for POD ID: 33158

Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
33159			R 11390	R 70117		11/09/1989	3.0S	2.0E	21	ST	0.0	6.2	UNN STR 2/RES 3	BEAVER CR
33159			R 11390	R 70117		06/27/1991	3.0S	2.0E	21	RC	0.0	2.7	UNN STR 2/RES 3	BEAVER CR

NO Water Use Records for POD ID: 33159

Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
33160			R 11390	R 70117		11/09/1989	3.0S	2.0E	21	ST	0.0	0.6	UNN STR 2/RES 4	BEAVER CR
33160			R 11390	R 70117		06/27/1991	3.0S	2.0E	21	RC	0.0	2.2	UNN STR 2/RES 4	BEAVER CR

NO Water Use Records for POD ID: 33160

Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
33161	LAKE B		R 11390	R		11/09/1989	3.0S	2.0E	21	ST	0.0	5.4	BEAVER	WILLAMETTE

				70117										CR/RES 5	R
33161	LAKE B		R 11390	R 70117		06/27/1991	3.0S	2.0E	21	ST	0.0	1.0		BEAVER CR/RES 5	WILLAMETTE R
33161	LAKE B		R 11390	R 70117		06/27/1991	3.0S	2.0E	21	RC	0.0	2.7		BEAVER CR/RES 5	WILLAMETTE R

Water Year	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2003	AFT	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.5	7.5	7.2	7.2
2002	AFT	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.6	7.0	6.5	6.5	6.5

Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
33162	LAKE C		R 11390	R 70117		06/27/1991	3.0S	2.0E	21	ST	0.0	5.8	BEAVER CR/RES 6	WILLAMETTE R
33162	LAKE C		R 11390	R 70117		06/27/1991	3.0S	2.0E	21	RC	0.0	2.5	BEAVER CR/RES 6	WILLAMETTE R

Water Year	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2003	AFT	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.7	7.7	7.5	7.5
2002	AFT	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.8	7.5	7.0	7.0	7.0

Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
33163			R 11390	R 70117		06/27/1991	3.0S	2.0E	21	ST	0.0	0.3	BEAVER CR/RES 7	WILLAMETTE R
33163			R 11390	R 70117		06/27/1991	3.0S	2.0E	21	RC	0.0	1.0	BEAVER CR/RES 7	WILLAMETTE R

NO Water Use Records for POD ID: 33163

Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
33164	LAKE D		R 11390	R 70117		06/27/1991	3.0S	2.0E	21	ST	0.0	1.5	BEAVER CR/RES 8	WILLAMETTE R
33164	LAKE D		R 11390	R 70117		06/27/1991	3.0S	2.0E	21	RC	0.0	5.9	BEAVER CR/RES 8	WILLAMETTE R

Water Year	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2003	AFT	4.0	5.0	6.5	6.5	6.5	6.5	6.5	6.2	6.0	4.0	4.0	4.0
2002	AFT	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.0	5.5	4.9	4.0	4.0

Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
48458			G 13719	G 14628		10/28/1997	1.0S	1.0E	35	IR	0.278		A WELL	WILLAMETTE R

NO Water Use Records for POD ID: 48458

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Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
52051		65619	S 49828	S 68768		06/24/1986	2.0S	2.0E	4	FW	0.8		PHILLIPS CR	MOUNT SCOTT CR
52051		65619	S 49828	S 68768		06/24/1986	2.0S	2.0E	4	WI	0.8		PHILLIPS CR	MOUNT SCOTT CR

NO Water Use Records for POD ID: 52051

Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
52137	BEAVER CREEK		S 51274	S 70118		11/09/1989	3.0S	2.0E	16	IR	2.2		BEAVER CR	WILLAMETTE R

Water Year	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2003	AFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7307	19.94782	15.95826	24.24428
2002	AFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.44468	9.82046	4.91023	0.0	0.0

Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
60871	WELL A		G 13947	G 15189		07/21/2000	3.0S	2.0E	21	IR	1.52		A WELL	BEAVER CR
60871	WELL A		G 13947	G 15189		07/21/2000	3.0S	2.0E	21	PM	0.339		A WELL	BEAVER CR
60871	WELL A		G 13947	G 15189		07/21/2000	3.0S	2.0E	21	IR	1.52		A WELL	BEAVER CR
60871	WELL A		G 13947	G 15189		07/21/2000	3.0S	2.0E	21	PM	0.339		A WELL	BEAVER CR
60871	WELL A		G 13947	G 15189		07/21/2000	3.0S	2.0E	21	IR	1.52		A WELL	BEAVER CR
60871	WELL A		G 13947	G 15189		07/21/2000	3.0S	2.0E	21	PM	0.339		A WELL	BEAVER CR

Water Year	Unit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
2002	AFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.16495	12.58247	25.47184

Pod Id	Facility	Cert	Permit	Appl	Claim	Priority	Township	Range	Sctn	Use	Rate	Acre Feet	Source	Tributary To
60872	WELL B		G 13947	G 15189		07/21/2000	3.0S	2.0E	21	IR	1.52		A WELL	BEAVER CR
60872	WELL B		G 13947	G 15189		07/21/2000	3.0S	2.0E	21	PM	0.339		A WELL	BEAVER CR
60872	WELL B		G 13947	G 15189		07/21/2000	3.0S	2.0E	21	IR	1.52		A WELL	BEAVER CR
60872	WELL B		G 13947	G 15189		07/21/2000	3.0S	2.0E	21	PM	0.339		A WELL	BEAVER CR
60872	WELL B		G 13947	G 15189		07/21/2000	3.0S	2.0E	21	IR	1.52		A WELL	BEAVER CR
60872	WELL B		G 13947	G 15189		07/21/2000	3.0S	2.0E	21	PM	0.339		A WELL	BEAVER CR

NO Water Use Records for POD ID: 60872

Phillip C. Ward, Acting Director

Oregon Water Resources Department • 725 Summer ST NE, Suite A • Salem, OR 97301 • Phone: 503-986-0900 • Fax:
503-986-0903

interoffice

MEMORANDUM

To: Files G-15189, G-16218, and T-9682

From: Cory Engel

Date: June 28, 2004

Subject: description of applicant's intent

I spoke with Steve Bruce at GeoEngineers, who returned my call to the applicant.

He clarified the intent of the applications as follows:

1. Their hope is that they will be able to add 4 shallower wells (200+ BLS) to the existing permit via T-9682.
2. In the event that is unsuccessful, they wish to use the new permit application to receive a permit for the 4 new wells, preferably from a similarly shallow aquifer.
3. In the event the permit amendment application is approved, they intend to withdraw the permit application.
4. There are three discrepancies between the irrigated acres on the existing permit and the new map submitted with T-9682 and G-16218:
 - a. Acreages in the SWNE and NWSE of Section 21 on the new map add up to the amount permitted in the SWNE alone on the permit. This was the result of a better understanding of where the quarter quarter lines fall, and was intentional.
 - b. The new map shows 2.28 acres in the SESW of Section 16 rather than the permitted amount of 2.82. **This was an error.** Form I, submitted as part of application G-16218 shows a total acreage which can only be correct if the acreage in the SESW is 2.82. Steve Bruce said that, if requested in the future, he would submit a corrected copy. I told him we will determine whether that is necessary. It may not be, since an examination of the Form I acreage and the existing permit leads to a clear conclusion about what the proper figure is.
 - c. Graphically-depicted areas on the new map and the map submitted with G-15189 are not the same. This is the result of a better understanding of exactly where the irrigated acres are. Presumably the new map matches what the final proof map will ultimately look like.

Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## G-15189

ROUTED TO: Water Rights

TOWNSHIP/

RANGE-SECTION: 35/2E - 21

CONDITIONS ATTACHED? ☐ yes ☐ no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: Amy Kim

Permit Extension Ground Water Review

Date: April 28, 2004

To: Doug Woodcock, Ground Water Section Manager

From: Lisa Juul, Permit Extension Review

Subject: Ground Water Review Needed for File #G- 15189 / Permit #G- 13947

The above referenced permit is currently being reviewed for an extension of time. Before I can determine whether or not an extension of time should be granted, however, a Ground Water review for this file is necessary due to the following:

NOTE: Original Division 9 review completed by: Donn Miller

- ☐ No Division 9 Ground Water Review Done.... **please see below**
- ☐ Located within a **Critical** Ground Water Area
- ☐ Located within a Ground Water **Limited** Area
- ☐ Located within a Ground Water **Study** Area
- ☐ 5-Year Limited Permit
- ☒ Other: Please See Questions Below

For Ground Water / Hydrology Staff Use:

Amy Kiin
June 28, 2004

☒ YES

☐ NO

Please complete a Div. 9 and Scenic Waterway (SWW) Review for this file. Due to the early priority date associated with this permit, no prior Div. 9 or SWW review was ever done.

Please answer the following questions. If necessary, attach an additional sheet.

1. Should any additional conditions be added to this permit? No
2. Should the extension of time request be further conditioned or **DENIED** due to ground water supply concerns? No
3. Should the Department establish a new reference level for water level declines due to the failure of permittee to submit annual measurements? No
4. Other issues or concerns? ✓

Application # G-15189 / Permit # G-13947

Route Slip ... Extension of Time

per Division 315 Rules... (Extensions received on July 1, 2001 or after)

- ♦ **WRIG...**
Money Received on: \$250.⁰⁰ on 4-21-04
- ♦ **Lisa Juul...**
Extension Completeness: OK
(If **NOT** complete, send certified letter requesting add'l information.)

If Extension Appl complete and \$250 fee submitted, route to...

- ♦ **Jonnine Fuss...**
- ☒ Publish on Public Notice (initial 30-day comment): 4/27/04
- Update "cdatewext.DB" Database:**
- ☒ In the "PNotice Date" field... Enter the date the Extension Application was published on the Public Notice.
- ☒ In the "Ext Filed" field... Enter the date the Extension Application was received.

At the close of the Initial 30-day Comment Period...

- ♦ **Lisa Juul...**
- Pull files for Ext PFO review: _____
- Extension PFO completed: _____

Once Extension PFO signed by Dwight French...

- ♦ **Jonnine Fuss...**
- Prepare Ext PFO for mailing to applicant: _____
- Mail to those who commented ***and*** paid copy fee: _____
- Include Ext PFO on weekly Public Notice: _____

EXTENSION REVIEW CHECKLIST for PFO... Div. 315 - Regular

Application #: G-15189 / Permit #: G-13947

Permittee's Name: County of Clackamas; Dan Zinzer

Permittee's Mailing Address: 9101 SE Sunnybrook Blvd, Clackamas, OR 97015

POD Location: Township 3-S Range 2-E Section 21 $\frac{1}{4}$ $\frac{1}{4}$ NENW

Drainage Basin: #2 Willamette County: Clackamas Watermaster District #: 20

- ✓ 1. Has the applicant submitted the appropriate fee? Yes / No \$250.00
***If "No"..... STOP. (Extension of Time cannot be processed if insufficient fees submitted.)
*****(NOTE:** Any missing Extension information that is needed before an Extension PFO can be completed???)
- ✓ 2. Has the applicant completely filled out the Extension Application form? Yes / No
***If "No"..... List the shortcomings below and send a letter requesting the additional/missing information that is needed before the Extension of Time can be processed.
- ✓ 3. Date Permit was issued: 5-31-2001 Priority Date: 7-21-2000
- ✓ 4. Source: Two Wells in Beaver Creek Basin
- ✓ 5. Use: Irrig. of 121.32 Ac & Maintenance of 4 Reservoirs ^{constructed under Permit R-11390}
- ✓ 6. "Q": 1.859 cfs (being: 1.52 cfs for Irrigation & 0.339 cfs for reservoir maintenance)
- ✓ 7. Orig "A" Date: -N/A- Orig "B" Date: -N/A- Orig "C" Date: 10-1-2005
- ✓ 8. Conditions of Permit:
Before use begins → shall install a meter or other suitable meas. device.
shall keep complete monthly water use records & report annually to WRD.
shall submit initial SWL meas. before use begins
Then, shall submit annual March SWL measurements.
- ✓ 9. Extension request received: 4-21-04 Request Number (...1st 2nd, 3rd): 1st
- ✓ 10. Last Authorized "B" Date: -N/A- Last Authorized "C" Date: 10-1-2005
- ✓ 11. Proposed "B" Date: 10-1-2014 Proposed C Date: 10-1-2014
- ✓ 12. Amount Invested to date: \$10,700,000.00 Estimated Total Cost: \$11,100,000.00
(***Estimated Remaining Cost: \$400,000.00.)

✓ 13. The water project development made to date has been accomplished in accordance with the terms and conditions contained in the permit. Yes / No ***If "No"..... What permit terms and/or conditions have not been met?

There is no evidence of meter installation

✓ 14. Work on the water development project completed to date includes: See Water Use Report and Water Level condition form
67
2nd well = 67 gpm (+.15)

- construction of pump system
- construction of two wells.

✓ 15. The work remaining to be completed consists of: used 0.56 of 1.859 CFS for irrigation of 121.32

- completion of construction → 3rd well permit amendment
- complete application of water to beneficial use

✓ 16. Progress in perfecting the permit is being held up by: _____

- operator error
- need to drill 3rd well to fully appropriate water

✓ 17. Has the applicant pursued perfection of the right in good faith and with reasonable diligence? Yes / No

Some Factors that may be considered in determining "Reasonable Diligence" [OAR 690-315-040(3)]

- The amount of construction completed within the time allowed in the permit or previous extension;
- The amount of beneficial use made of the water during the permit or previous extension time limits;
- Water right permit holder conformance with the permit or previous extension conditions; and
- Financial investments made toward developing the beneficial water use.

- Permit holder has completed approximately 90 % of the construction.
- Permit holder has beneficially used 30 % of the total permitted quantity of water.
- Has the permit holder complied with conditions? Yes / No
—If No, reasons why not? _____
- Permit holder has invested approximately 96 % of the total estimated cost to complete the project.
- Other: _____

✓ 18. Determination of the market and the present demand for water or power to be supplied: _____

Some factors to consider in determining the Market and the Present Demand for water or power [OAR 690-315-040(4)]:

- The amount of water available to satisfy other affected water rights and scenic waterway flows;
- Special water use designations established since permit issuance (such as...state scenic waterways, federal wild and scenic rivers, serious water management problem areas, water quality limited sources, etc.);
- The habitat needs of sensitive, threatened or endangered species, in consultation with ODFW;
- Economic investment in the project to date;
- Other economic interests dependent on completion of the project; and
- Other factors relevant to the determination of the market and the present demand for water or power.

Is the POD/POA located.....

- If a GW permit, is GW hydraulically connected to SW (see original Div. 09 GW review)? NO
- within or above a state scenic waterway? no
- within a ground water limited/critical area? no
- within or above a segment that has been identified as a federal wild and scenic river? no
- within an area that ODFW has identified as an ST&E Area? yes
- within an area that ODFW has identified as a low Needs Ranking Area for streamflow restoration for fish?
- within an area that DEQ has identified as being water quality limited? no
- Other: _____

19. Based on the written record, can the Department make a finding of "Good Cause" to approve the extension request?

Yes... "Good Cause" can be found. → Approval of Extension Request

No ... "Good Cause" cannot be found. → Denial of Extension Request

20. Conditions to be included in Extension PFO (if applicable)? Yes / No

(NOTE: Check the file record for documentation to add a condition(s) at the extension stage.)

☒ 5-year Progress Report Checkpoints

☐ Other: _____

21. Footnote regarding Claim of Beneficial Use. Choose the appropriate language below and insert as a footnote in the PFO:

☐ **COBU Requirement - Surface/Ground Water - on or prior to July 9, 1987**

"For permits applied for or received on or before July 9, 1987, upon complete development of the permit, you must notify the Department that the work has been completed and either: (1) Hire a water right examiner certified under ORS 537.798 to conduct a survey, the original to be submitted as required by the Water Resources Department, for issuance of a water right certificate; or (2) Continue to appropriate water under the water right permit until the Water Resources Department conducts a survey and issues a water right certificate under ORS 537.250 or 537.625."

☐ **COBU Requirement - Surface Water - post July 9, 1987**

"Pursuant to ORS 537.230(3), upon the completion of beneficial use of water allowed under the permit, the permittee shall hire a certified water rights examiner to survey the appropriation. Within one year after the complete application of water to a beneficial use (or by the date allowed for the complete application of water to a beneficial use), the permittee shall submit a map of the survey and the claim of beneficial use."

☒ **COBU Requirement - Ground Water - post July 9, 1987**

"Pursuant to ORS 537.630(3), upon the completion of beneficial use of water allowed under the permit, the permittee shall hire a certified water rights examiner to survey the appropriation. Within one year after the complete application of water to a beneficial use (or by the date allowed for the complete application of water to a beneficial use), the permittee shall submit a map of the survey and the claim of beneficial use."

App. File # G-15189

☒ PFO peer review by jd

☐ final PFO preparation

☐ move file to "done" and print out

☐ set up e-mail notification, if NW region

☐ prepare FO checklist

☐ prepare FO draft

☐ update workingcopy.xls

☐ update personal tracking db

Checklist Last Revised: 3/4/2004

Reviewer's Name: [Signature]

Date: 10/5/04

APPLICATION FOR EXTENSION OF TIME TO THE WATER RESOURCES DIRECTOR OF OREGON

I, CLACKAMAS COUNTY PARKS DEPARTMENT
NAME
9101 SE SUNNYBROOK BLVD. CLACKAMAS OR 97015 503.353.4421
ADDRESS CITY STATE ZIP PHONE

owner of record, or duly authorized agent, of Application No. G-15189, Permit No. G-13947,
do hereby request that the time in which to:

☒ complete the construction of diversion/appropriation works and/or purchase and installation of
the equipment necessary to the use of water, which time now expires on October 1, 2005, *N/A*
be extended to October 1, 2014, *no state in permit*

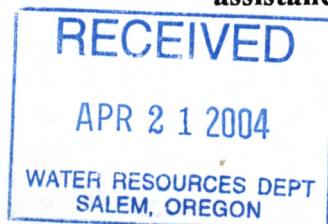
and/or the time in which to:

☒ accomplish beneficial use of water to the full extent under the terms of the permit, which time
now expires on October 1, 2005, be extended to October 1, 2014.

NOTE: The extension of time requested should be long enough to finish the project.
Should this request be approved, it will be the Department's expectation that you
will complete your project within the new time period allowed. Future extensions
may not be granted.

Attached is an instruction sheet to assist you in completing the information on the
permit extension application form. Oregon Water Law and Administrative Rules
requires this information to be considered by the Water Resources Department
when reviewing a permit extension application. All items must be completed or the
application will be returned. Please feel free to provide the Department with any
additional information that would aid us in making our decision. Please use
additional sheets of paper as needed to fully respond to the questions.

After reviewing the application form and the instruction sheet, if you have any
questions, you may contact the Department at (503) 986-0800, and request
assistance from the Water Rights Division, permit extensions personnel.



1. Did water system construction/well drilling begin within the time specified in the permit [yes/no]?

YES

2. Has construction of diversion/appropriation works, distribution system, and use of water, if any, been accomplished consistent with the limitations and conditions of this permit [yes/no]?

NO. USE OF WATER NOT ESTABLISHED

A) Please describe how you have complied with each applicable permit condition (**NOTE: the instruction sheet for permit extension applications provides some direction as to what is an Applicable condition at time of permit extension review**).

CONSTRUCTION OF PUMP SYSTEM COMPLETED. WELL FAILURE (CAVERN). REDRILLED & FILTER PACK INSTALLED. WELL DRILL OPERATOR ACCIDENTLY HIT AUBER CONTROL TURNING DRILL BIT AND DESTROYED TOP OF FILTER PACK MAKING PASSAGE BELOW IMPOSSIBLE. 2ND WELL DUG AND CASED BUT PRODUCES 67 GPM. 3RD WELL TO BE DRILLED FOLLOWING PERMIT AMENDMENT APPROVAL.

B) If you have not complied with all applicable conditions, please explain the reasons why and indicate a date certain, in the near future, by which time you will be in compliance with applicable conditions.

ORIGINAL COURSE CONSTRUCTION SUSPENDED. PROPERTY SOLD TO CLACKAMAS COUNTY. COURSE CONSTRUCTION COMPLETED MAY 2002. FIRST WELL FAILURE JUNE 2001, REDRILLED AND DAMAGED (CLACKAMAS RIVER WATER PURCHASED OFF MAIN SERVICE) SOME IRRIGATION DONE WITH BEAVERCREEK WATER. 2ND WELL DRILLED 2003 (PRODUCES ONLY 67 GPM). DECISION TO APPLY FOR PERMIT AMENDMENT AND DRILL 3RD WELL (FEB 2004)

3. I have accomplished the following described works, purchases and installation of equipment necessary to the use of water under said permit:

A) Within the past year or, if a prior extension was authorized, during the last permit extension period:

2ND WELL DRILLED AND CASED (67 gpm) \$450,000

RECEIVED

APR 21 2004

WATER RESOURCES DEPT
SALEM, OREGON

- B) Prior to the past year or, if a prior extension was authorized, prior to the last extension period:

REDRILLED 1ST WELL AND PLACED FILTER PACK \$250000

OPERATOR ERROR, HIT DRILL LEVER ENGAGING AUGER
DAMAGED FILTER NOW IMPASSIBLE

BENEFICIAL USE LEVEL NOT ESTABLISHED

4. I have accomplished beneficial use of water under the permit to the extent of (amount of water used and acres irrigated):

- 1) Quantity of Water Used [in cubic feet per second (cfs) or gallons per minute (gpm) if using surface water or ground water.....and/or..... in acre-feet (af) if using stored water]:

250 GPM FROM DAMAGED WELL ABOVE FILTER PACK

- B) Number of Acres Irrigated (if an irrigation permit):

121.32 ACRES

5. Cost of project to date \$10.7M. Estimated remaining cost to complete the project \$400,000.

6. Please list the reasons why the project was not constructed, and/or water not beneficially used within permit time limits under the appropriate categories below. Please provide supporting information for each reason identified:

- A) The project is of a size and scope that the original intent was to phase it in over a period longer than the timeframes allowed in the permit.

RECEIVED

APR 21 2004

WATER RESOURCES DEPT
SALEM, OREGON

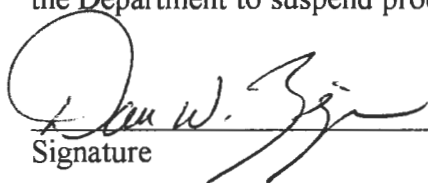
- B) Financing and/or cash-flow needs to develop the project precluded completion of the project within authorized timeframes.

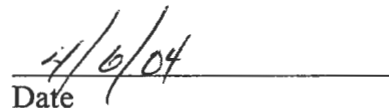
- C) Good faith attempts to comply with permit conditions and/or to acquire permits from other agencies, or otherwise comply with government regulations, delayed completion of the project.

- D) Acts of God or other unforeseen events delayed full development of the water system and use of water.

DAMAGED 1ST WELL BY OPERATOR. FAILED PRODUCTION IN WELL #2 REQUIRING PERMIT AMENDMENT TO DRILL WELL #3

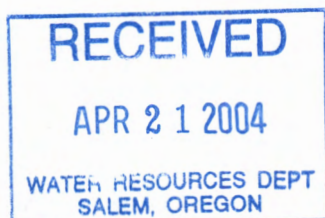
I am the permittee, or have authorization from the permittee, to apply for an extension of time under this permit. I understand that false or misleading statements in this extension application are grounds for the Department to suspend processing of the request and/or reason to deny the extension.


Signature


Date

MAIL COMPLETED APPLICATION and STATUTORY FEE OF \$250 TO:

WATER RIGHT PERMIT EXTENSIONS
WATER RESOURCES DEPARTMENT



725 NE SUMMER STREET, SUITE A
SALEM, OREGON 97301-1271

revised: November 25, 2003



Check Date: April 19, 2004

CLACKAMAS COUNTY

Check No.

228367

Invoice Number:	Invoice Date	Voucher ID	Voucher Line Descriptions:	Paid
EXTN PER G15189/13947 4/	April 16, 2004	00179975	PERMIT-STONE CREEK GOLF COURSE	250.00

RECEIVED

APR 21 2004

WATER RESOURCES DEPT
SALEM, OREGON

Vendor Number	Vendor Name		Total Discounts		
0000001373	OREGON STATE WATER RESOURCES DEPT		0.00		
Check Number	Date		Total Amount	Discounts Taken	Total Paid
228367	April 19, 2004		250.00	0.00	250.00

STATE OF OREGON
WATER RESOURCES DEPARTMENT

725 Summer St. N.E. Ste. A

SALEM, OR 97301-4172

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

RECEIPT # **66761**

INVOICE # _____

RECEIVED FROM: Clackamas County

BY: _____

CASH: ☐ CHECK:# 228367 OTHER: (IDENTIFY) ☐

APPLICATION	G 15189
PERMIT	G 13947
TRANSFER	

TOTAL REC'D \$ 250.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407	COPIES	\$
	OTHER: (IDENTIFY)	\$

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

4270 WRD OPERATING ACCT

MISCELLANEOUS

0407	COPY & TAPE FEES	\$
0410	RESEARCH FEES	\$
0408	MISC REVENUE: (IDENTIFY)	\$
TC162	DEPOSIT LIAB. (IDENTIFY)	\$
0240	EXTENSION OF TIME	\$ <u>250.00</u>

WATER RIGHTS:

0201	SURFACE WATER	\$	0202	\$
0203	GROUND WATER	\$	0204	\$
0205	TRANSFER	\$		

WELL CONSTRUCTION

0218	WELL DRILL CONSTRUCTOR	\$	0219	\$
	LANDOWNER'S PERMIT		0220	\$

OTHER (IDENTIFY) _____

0536 TREASURY 0437 WELL CONST. START FEE

0211	WELL CONST START FEE	\$	CARD #	
0210	MONITORING WELLS	\$	CARD #	

OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233	POWER LICENSE FEE (FW/WRD)	\$
0231	HYDRO LICENSE FEE (FW/WRD)	\$
	HYDRO APPLICATION	\$

TREASURY OTHER / RDX

FUND _____ TITLE _____

OBJ. CODE _____ VENDOR # _____

DESCRIPTION _____ \$ _____

RECEIPT: **66761**

DATED: 4/21/04 BY: [Signature]

STONE CREEK
OWNER GOLF COURSE DRILLER Rusty/Brad

START CARD

WELL ID

Elev Well 2 ± 420 Lsb

-6-03

-9-03

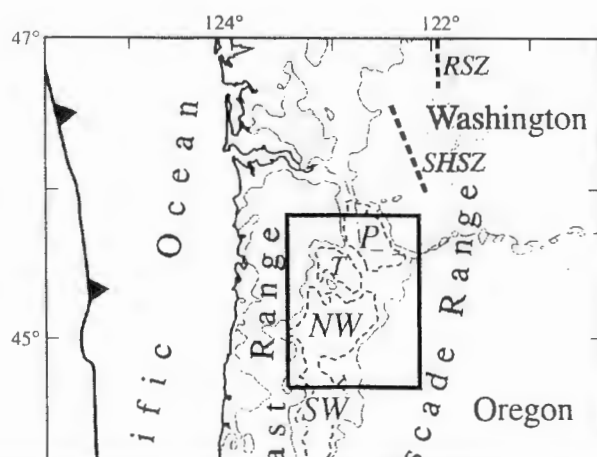
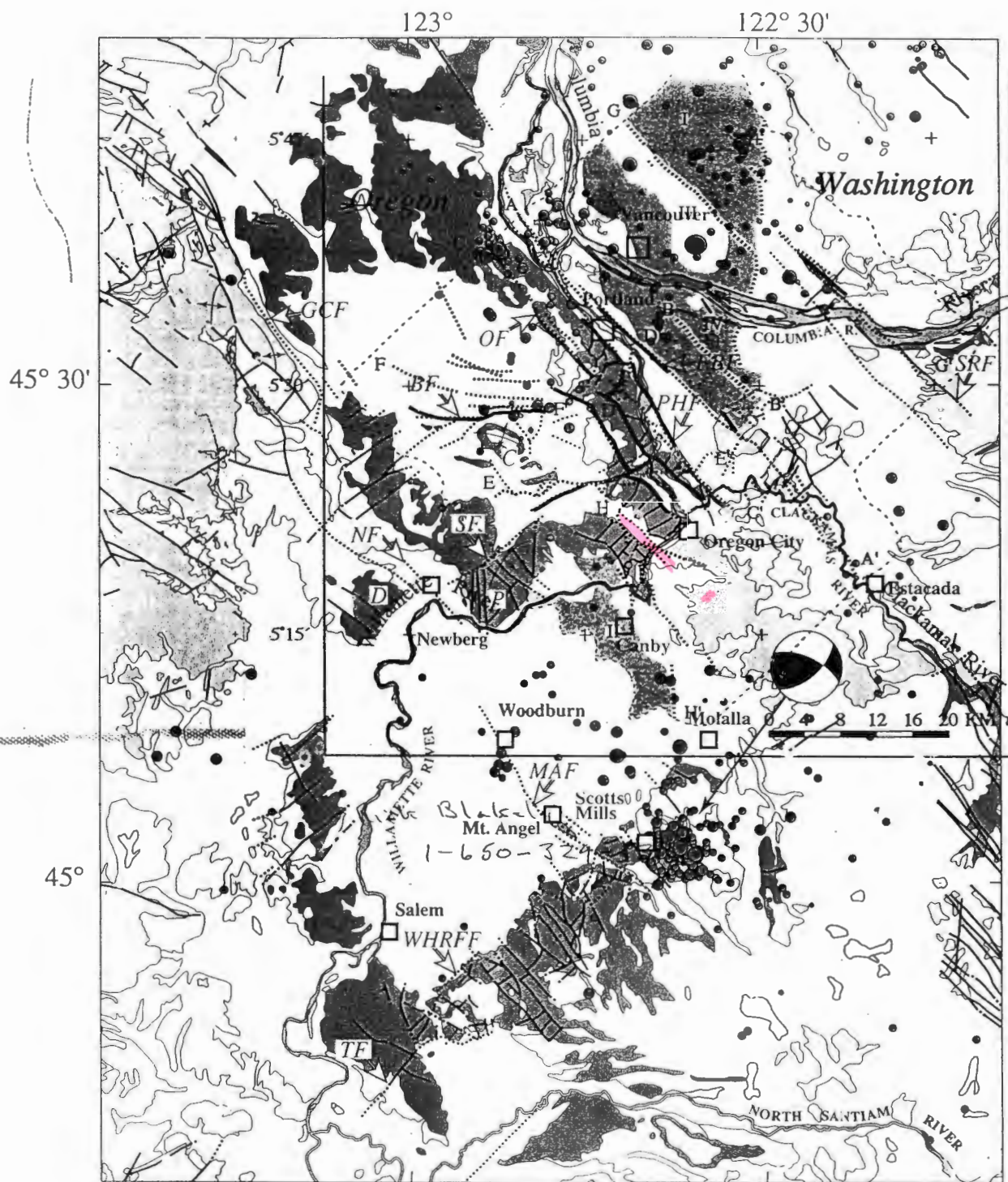
-24-03

TOOL & NO.	NUMBER	LENGTH	DEPTH	FORMATION / DATE	DIA	FROM	TO	AIR PRES	INTER STAGE	GPM	SWL
17 1/2 TOOTH BIT		1.4									
6 5/8 TO 7 5/8 SUB	1	.8	2.2	BROWN CLAY	17 1/2	15	19'				
17" STAB	1	.23	25.2	GREY SAND STONE		19'	32'				
6 5/8 TO 4 1/2 SUB	1	1	26.2	RED CLAY / RED CLAY STONE		32'	64'				
6" COLLARS	5	20	126.2	BROWN CLAY w/ BROWN		64'					
5 1/2 STEM'S	17	25	551.2	CLAY STONE			121'				
				GREY CLAY "SANDY"		121'	138'				
				RED CLAY STONE w/		138'					
				GREEN CLAY			147'				
				RED CLAY STONE / GREY		147'					
				CLAY "SANDY"			163'				
				GREY CLAY		163'	197'				
				GREY CLAY / COARSE SAND		197'	213'				
				GREEN CLAY w/ FINE SAND		213'	230'				
				GREY CLAY		230'	251'				
				GREEN CLAY w/ GREEN		251'					
				CLAY STONE			290'				
				GREY CLAY "SANDY" w/ STONE		290'	344'				
				GREY CLAY		344'	390'				
				GREEN CLAY w/		390'					
				COARSE SAND			430'	0.0			
				GREY w/ GREEN CLAY w/ SAND		430'	506'	0.0	-76		
				GREY w/ GREEN CLAY		506'		-76			
				STONE w/ WOOD			573'				
				GREY w/ GREEN CLAY		573'	615'				
				GREY w/ GREEN CLAY STONE		615'	670'		-240		
				SANDSTONE Med w/ Clay Clay		670'	710'	-240	-280	WB 3	1-98' Sand
				Black Bones Med SAND /		710'	768'	-280	-338	WB 3	
				Clay Green w/ WOOD		768'	779'				
				GREY CLAY		779'	801'				
APPROX 45 MIN LAB TIME											
ENGINE OIL LEVEL				FUEL OIL PRESSURE				CASING HOIST OIL			
COMP OIL LEVEL				HEAD OIL LEVEL				HYD OIL LEVEL			
RADIATOR WATER LEVEL				FUNK BOX LEVEL							
ENGINE OIL PRESSURE				CAT PUMP OIL							

TO TEMP SWL CEMENT SHOE CASING
17 1/2 HOLE TO 801'

Items provided at 10/29/03 mtd - Don Miller

4-16-15/85



Miocene and younger deposits

Boring Lava

Columbia River basalt

Eocene-Paleocene sedimentary rocks

Volcanic rocks of the Western Cascades

Eocene oceanic basement

Fault

Anticline

Homocline

Earthquake Magnitude

• 0-1

• 1-2

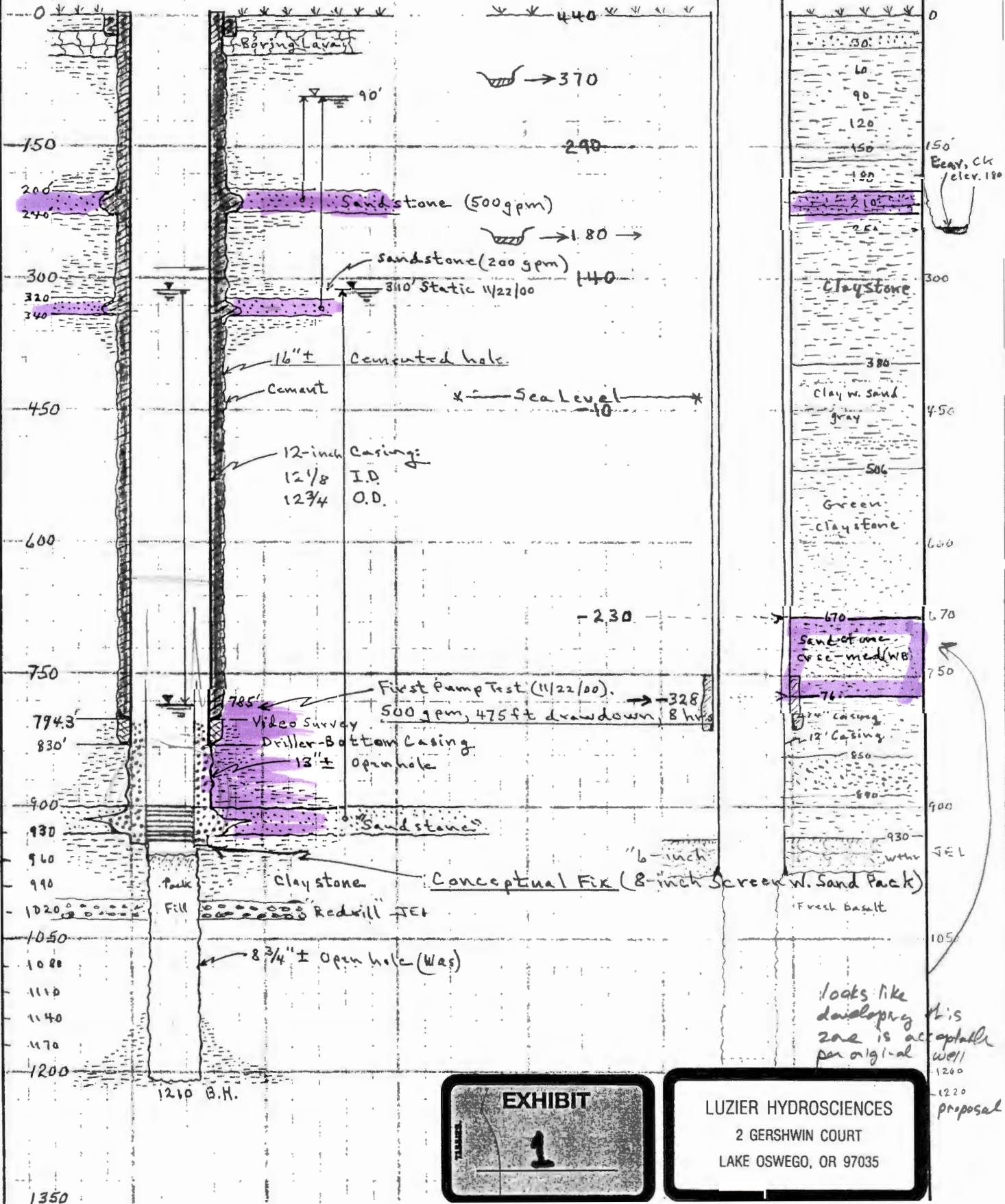
• 2-3

• 3-4

9/14/2001 JEL

Golf Solutions Well 1
(3S/2E-21 SENW/4)
 Elev. 430±

Well 2
 Elev. 440±



EXHIBIT

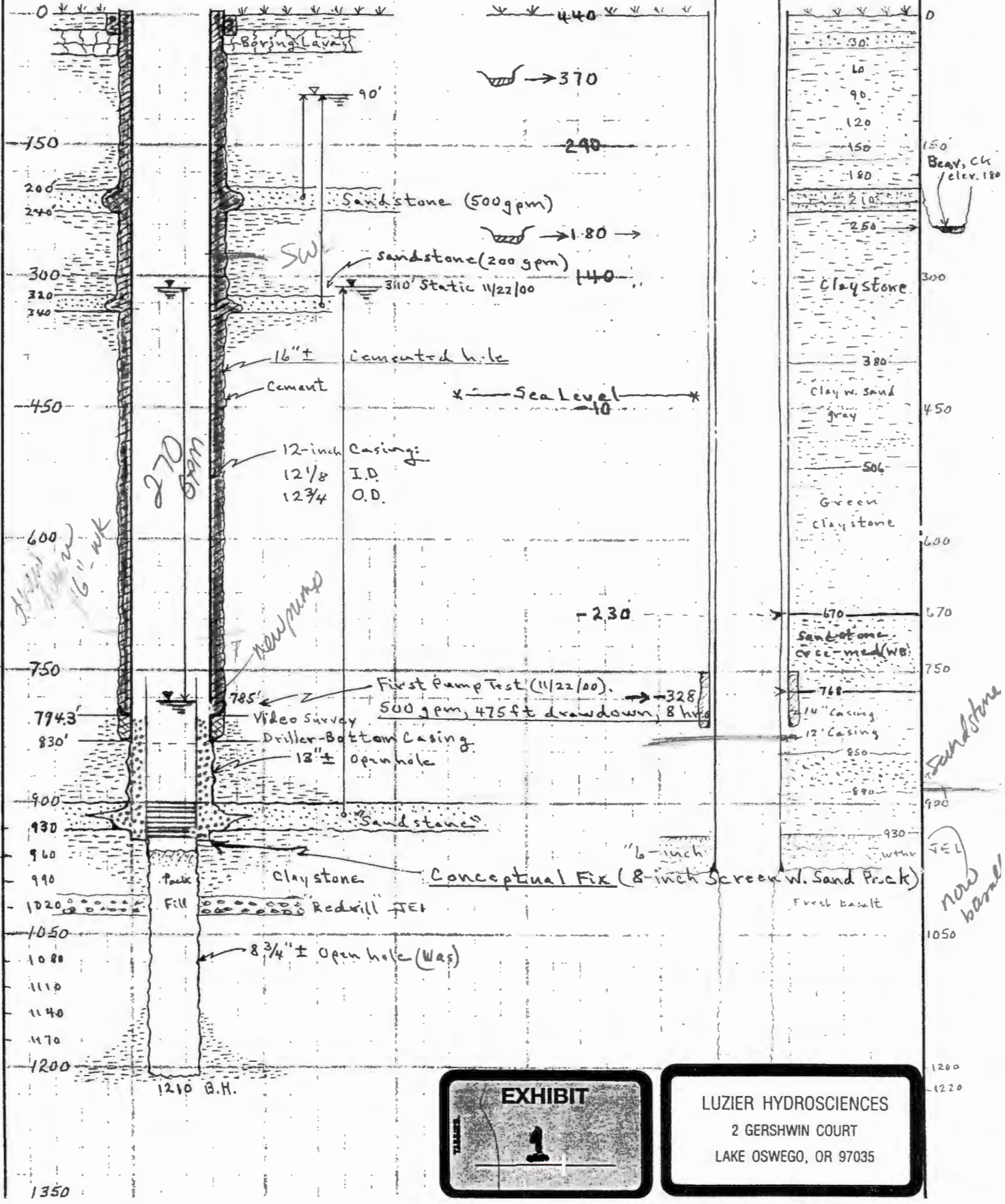
1

LUZIER HYDROSCIENCES
 2 GERSHWIN COURT
 LAKE OSWEGO, OR 97035

9/14/2001 JEL

Golf Solutions Well 1
(35/2E-21 SENW/4)
Elev. 430±

Well 2
Elev. 440±



EXHIBIT

1

LUZIER HYDROSCIENCES

2 GERSHWIN COURT

LAKE OSWEGO, OR 97035

Oregon Water Resources Department
PERMIT CONDITION WATER-LEVEL REPORTING FORM

RE: Required Water Level Report for a Well on Permit **G 13947** Certificate **0** Pod **2** Application **G 15189**

Listed on water right as: **WELL B** Well log ID (if any, in our records):

Priority date: **7/21/2000**

Well location: In the NE quarter of the NW quarter of Section 21, Township 3S, Range 2E
SOUTH 15 DEGREES WEST, 1109.304 FEET FROM N1/4 CORNER, SECTION 21

RECEIVED

~~SERVICE DIST 1, WATER & ENVIRONMENT~~
CLACKAMAS COUNTY
9101 SE SUNNYBROOK BLVD
CLACKAMAS OR 97015

APR 04 2003
WATER RESOURCES DEPT.
SALEM, OREGON

Our records indicate that you are the holder of a groundwater permit that requires that you periodically measure and report static water levels in your well(s). If you are no longer the holder of this permit or no longer have an interest in it, please contact our department. **Consult your permit to determine the required times for measuring and reporting, as well as any requirements regarding who may make the measurements.** We recommend that you keep a copy of all measurement reports for your records. All measurements should be made to at least the nearest tenth of a foot or the nearest inch (e.g. 10.2 feet or 10 feet 3 inches). **All wells that have been constructed must be measured regardless of whether they are being used, in accordance with your permit.**

MEASUREMENT REPORT

(Complete one form for each well.)

Well Identification (Provide as much of the following information as possible; correct any errors from our files):

Well not yet drilled as of date: _____
Original owner on well log: Golf Solutions LLC
Well ID # (on tag attached to casing): L 39490 Startcard number (if listed on well log): 135506
Well depth: 1,210 (ft) Casing diameter: 12 (in) Date drilled: November 22, 2000
Owner's well name: Well 1 Drilled by: Rod Erler, American Well Drilling

When did water use begin under this permit from this well? Date: Month/Yr June 1, 2001

Show all water rights listing this well:

Application number(s): G-15189
Permit number(s): G-13947
Certificate number(s): _____

Measurement Details:

Date of measurement: April 1, 2003

Description of measuring point (e.g. 1 1/4" port pipe on north side): Top of 1/4" Nipple 3" high on cover plate (MP2)
which is 1.58 ft above land surface (and top of 16" casing cover).

Static water level above / below (circle one) measuring point: 282.08 feet, or airline pressure _____ psi ✓

Measuring point distance above / below (circle one) land surface: 1.83 feet, or airline length _____ feet

Static water level above / below (circle one) land surface: 280.25 feet ✓

Shut-in pressure (if flowing artesian well): _____ psi

Method of measurement: E-tape X Airline _____ Other(specify): _____

Water-level status when measured: Static X Pumping _____ Rising _____ Flowing _____ Other _____

Length of time well was idle before measurement: _____

Comments (use back or extra sheet if necessary): Rehab failure 2002: filter-packed screen 80'± - 1128'±, filled in

I hereby certify that, to the best of my ability, the information on this report is accurate and, at the time of measurement, representative of the static water level in the aquifer. to about 950', top of screen damaged (wire nest at top screen).

Person making measurement (print): James E. Luzier, R.G. & David Phipps

Signature of measurer: James E. Luzier

Company: Luzier Hydrosciences

License number (CWRE, RG, PE, WWC, Pump Installer): # 909

Daytime phone number: 503-636-1012 Email address: luzier@hydrosciences.com

If you have any questions about this notice, please call the Ground Water/Hydrology Section of the Department at 503- 378-8455 ext. 245.

Return this Form to: OWRD, Ground Water/Hydrology Section, 158 12th St. NE, Salem, OR 97310-4172.

Additional forms can be obtained from our web sit at: <http://www.wrd.state.or.us>

OWRD 2/19/2003

GW/KCW

Water Level Data on File at OWRD for this well (last 3 measurements only, most recent date on top):

DATE	STATUS	METHOD	MP Height	WL BLS	MEASURED BY	COMMENTS
4/1/03		E-Tape	1.83	280.3	J.E. Luzier	MP2 New Rehab MP
4/16/02 off		E-Tape	1.5	284.6	J.E. Luzier	MP1 Original MP

STATE OF OREGON

COUNTY OF CLACKAMAS

ORDER APPROVING A CHANGE IN POINT OF APPROPRIATION

Pursuant to ORS 537.211, after notice was given and finding that no injury to existing water rights would result, this order approves, as conditioned or limited herein, PERMIT AMENDMENT T-9279 submitted by

CLACKAMAS COUNTY; DAN ZINZER
9101 SE SUNNYBROOK BOULEVARD
CLACKAMAS, OREGON 97015.

The permit to be modified is Permit G-13947 with a date of priority of JULY 21, 2000. The permit allows the use of TWO WELLS, in the BEAVER CREEK BASIN, for IRRIGATION OF 121.32 ACRES AND MAINTENANCE OF FOUR RESERVOIRS CONSTRUCTED UNDER PERMIT R-11390. The amount of water to which this permit is entitled is limited to an amount actually beneficially used and shall not exceed 1.859 CUBIC FEET PER SECOND (CFS), BEING 1.52 CFS FOR IRRIGATION AND 0.339 CFS FOR RESERVOIR MAINTENANCE, if available at the original wells; NE $\frac{1}{4}$ NW $\frac{1}{4}$, SECTION 21, T 3 S, R 2 E, W.M.; WELL A - SOUTH 13° WEST 1110.572 FEET; WELL B - SOUTH 15° WEST 1109.304 FEET; BOTH FROM THE NORTH $\frac{1}{4}$ CORNER OF SECTION 21, or its equivalent in case of rotation, measured at the well.

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

Pursuant to ORS 536.075 and OAR 137-004-080 and OAR 690-01-005 you may either petition for judicial review or petition the Director for reconsideration of this order.

The amount of water used for irrigation, together with the amount secured under any other right existing on the same lands, is limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 2½ acre-feet per acre for each acre irrigated during the irrigation season of each year.

The use shall conform to any reasonable rotation system ordered by the proper state officer.

The authorized place of use is as follows:

<u>IRRIGATION</u>	<u>RESERVOIR MAINTENANCE</u>
SW¼ SW¼ 0.23 ACRE	NE¼ NE¼ (POND A)
SE¼ SW¼ 2.82 ACRES	NW¼ NE¼ (POND A)
SW¼ SE¼ 0.53 ACRE	NE¼ NW¼ (PONDS B, C, D)
SECTION 16	NW¼ NW¼ (POND D)
	SECTION 21
NE¼ NE¼ 0.50 ACRE	
NW¼ NE¼ 33.27 ACRES	
SW¼ NE¼ 25.06 ACRES	
SE¼ NE¼ 0.81 ACRE	
NE¼ NW¼ 31.17 ACRES	
NW¼ NW¼ 9.34 ACRES	
SW¼ NW¼ 2.48 ACRES	
SE¼ NW¼ 15.11 ACRES	
SECTION 21	

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

The applicant proposes to change the point of appropriation of WELL B to:


NE¼ NW¼, SECTION 21, T 3 S, R 2 E, W.M.; SOUTH 57° WEST 640.4 FEET FROM THE NORTH ¼ CORNER OF SECTION 21.

THIS CHANGE TO AN EXISTING WATER PERMIT MAY BE MADE PROVIDED THE FOLLOWING CONDITIONS ARE MET BY THE WATER USER:

1. The quantity of water diverted at the new point of appropriation (well), together with that diverted at WELL A, shall not exceed the maximum rate and duty allowed under the water right permit.
2. The water user shall install and maintain a headgate, an in-line flow meter, weir, or other suitable device for measuring and recording the quantity of water diverted. The type and plans of the headgate and measuring device must be approved by the Department prior to beginning construction and shall be installed under the general supervision of the Department.
3. Water shall be acquired from the same aquifer as the original point of appropriation.
4. All other terms and conditions of the permit remain the same.

Permit G-13947, in the name of COUNTY OF CLACKAMAS; DAN ZINZER is amended as described herein.

WITNESS the signature of the Water Resources
Director, affixed NOV 18 2002.


for Paul R. Cleary, Director

FO CHECKLIST

FILE # G-15189
PFO WEEK # 297
FO WEEK # _____

PFO TO FO CONVERSION

REVIEW DATE: 5/21/01
INITIALS: EF
WM District 16
Region Mgr NW
ODFW Bio. Robert
(unless not by, cr.).
Na

Applicant Name _____

Address: _____

COUNTY OF CLACKAMAS, WASHINGTON
9400 SE SUNNYBROOK BLVD
CLACKAMAS, OR 97015

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

1. Y / ☒ N Were comments or protests received? If so, from whom and when? no
_____ 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).
None
3. Y / N / ☒ NA Have affected land owners been notified?
4. Y / N / ☒ NA Has ODFW asked for self certification of screening condition?
If so, write "ODFW CERT" in the permit block on the front of the file.
6. Y / ☒ N Is water use prohibited for one or more months of the normal use period?
If yes, is short season letter on file? _____. If short season letter is lacking, see item #10 below.
Give applicant 60 days to submit required information.
7. Y / ☒ N Do the PFO conclusions require modification? Why? _____
(If YES, circle FOMOD and one other type below)
8. _____ Correct PFO errors (such as POD or POU location (verify from map))
9. na Include or exclude permit conditions and management codes.
10. ☒ Y / N Is further processing possible? If not state reason: _____
11. _____ 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.

1st CFS/AF _____
Addnl. _____
TOTAL Q _____

Exam Fee Paid	<u>250</u>
Q fee	<u>225</u>
Subtotal	_____
Recording Fee	<u>175</u>
Total	<u>650</u>
Amount Paid	<u>650</u>
Amount due/refund	<u>0</u>

12. ☒ Assign permit numbers to files with oaths, fees, and no protests or other issues.

FO Type: (circle types) DENIAL FO w/o PERMIT (REASON: Lacks Fees Lacks Easement Map Other

FO & PERMIT (Permit # G-13947 FOMOD MGMT CODES::

Once FO document is completed:

15. ☒ Save WordPerfect document in M:\GROUPS\WR\FO\WEEK 287 & delete duplicates.

16. ☒ Print final draft of document and submit to team leader for review

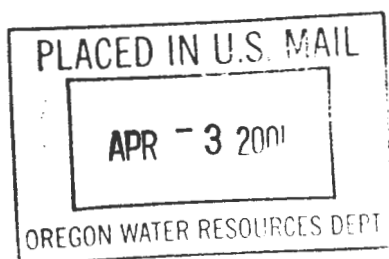
17. Y / N Team leader review completed

18. Route to Dwight for signature

20. Update folders, E-mail data center, send copy to HTML

21. To support for mailing

Oregon Water Resources Department
Water Rights Division



Water Rights Application
Number G-15189

Proposed Final Order

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

Application History

On July 21, 2000, COUNTY OF CLACKAMAS; DAN ZINZER submitted an application to the Department for the following water use permit:

- Amount of Water: 1400.0 GALLONS PER MINUTE, BEING 700.0 GALLONS PER MINUTE FOR IRRIGATION OF 121.22 ACRES AND 700.0 GALLONS PER MINUTE FOR MAINTENANCE OF PONDS A, B, C, AND D, CONSTRUCTED UNDER PERMIT R-11390.
- Use of Water: IRRIGATION OF 121.22 ACRES AND MAINTENANCE OF PONDS A, B, C, AND D
- Source of Water: TWO WELLS IN BEAVER CREEK BASIN
- Area of Proposed Use: CLACKAMAS County within :

IRRIGATION

SW 1/4 SW 1/4 0.23 ACRES
SE 1/4 SW 1/4 2.82 ACRES
SW 1/4 SE 1/4 0.43 ACRES
SECTION 16

NE 1/4 NE 1/4 0.5 ACRES
NW 1/4 NE 1/4 33.27 ACRES
SW 1/4 NE 1/4 25.06 ACRES
SE 1/4 NE 1/4 0.81 ACRES
NE 1/4 NW 1/4 31.17 ACRES
NW 1/4 NW 1/4 9.34 ACRES
SW 1/4 NW 1/4 2.48 ACRES
SE 1/4 NW 1/4 15.11 ACRES

SECTION 21

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

RESERVOIR MAINTENANCE

NE 1/4 NE 1/4 (POND A)

NW 1/4 NE 1/4 (POND A)

NE 1/4 NW 1/4 (PONDS B, C, & D)

NW 1/4 NW 1/4 (POND D)

SECTION 21

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

On October 27, 2000, the applicant corrected their application to properly describe the number of acres irrigated within SW 1/4 SE 1/4 SECTION 16 as 0.53 ACRES; the revised total acreage is 121.32 ACRES.

On 2/23/01, the Department mailed the applicant notice of its Initial Review, determining that "The use of a maximum cumulative total not to exceed 3.08 CFS (1382.0 GPM) of water at any one time from two wells, within the Beaver Creek Basin, being 1.52 CFS (682.0 GPM) for the irrigation of 121.22 acres and 1.56 CFS (700.0 GPM) to initially fill and maintain Lakes A, B, C and D as further described under Permit #R-11390, may be allowed from March 1 through October 31 of each year for irrigation purposes and year round for reservoir maintenance". The applicant did not notify the Department to stop processing the application within 14 days of that date.

On 2/27/01, 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

The Willamette Basin Program allows the following uses: IRRIGATION OF 121.32 ACRES

Senior water rights exist on this water resource or on downstream waters.

TWO WELLS IN BEAVER CREEK BASIN are not within or above a State Scenic Waterway.

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, if properly conditioned, avoid injury** to existing rights or to the groundwater resource. Therefore, groundwater may be appropriated during the full period requested by the applicant, being March 1 through October 31 of each year for irrigation purposes and year round for reservoir maintenance.

The Department finds that no more than 1.859 CFS (about 834.38 GPM), being 1.52 CFS (682.22 GPM) for irrigation and 0.339 CFS (about 152.15 GPM) for reservoir maintenance would be necessary for the proposed use. The amount of water requested, 1400.0 GALLONS PER MINUTE, shall be restricted to 1.859 CFS (834.38 GPM).

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

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.

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.

No 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 537.521, 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.

Recommendation

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

DATED April 3, 2001


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 \$200 protest fee required by ORS 536.050 and proof of service of the protest upon the applicant.
- If you are the applicant, a statement of whether or not you are requesting a contested case hearing. If you do not request a hearing, the Department will presume that you do not wish to contest the findings of the proposed final order.
- If you do not protest this Proposed Final Order and if no substantive changes are made in the final order, you will not have an opportunity for judicial review, protest or appeal of the final order when it is issued.

Requests for Standing

Under the provisions of 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 \$150.00 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 **May 18, 2001**.

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 Cory Engel. 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 toll free within Oregon at 1-800-624-3199 extension 324. Outside of Oregon you can dial 1-503-378-8455.

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. Her extension number is 239.

If you have other questions about the Department or any of its programs please contact our Water Rights Information Group at extension 201.

Address all other correspondence to:

Water Rights Section, Oregon Water Resources Department, 158 12th ST NE SALEM, OR 97310
Fax: (503)378-2496 .

DRAFT

This is not a permit!!!
STATE OF OREGON

DRAFT

COUNTY OF CLACKAMAS

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

COUNTY OF CLACKAMAS; DAN ZINZER
9101 SE SUNNYBROOK BLVD
CLACKAMAS, OREGON 97015

503-353-4661

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

APPLICATION FILE NUMBER: G-15189

SOURCE OF WATER: TWO WELLS IN BEAVER CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 121.32 ACRES AND MAINTENANCE OF FOUR
RESERVOIRS CONSTRUCTED UNDER PERMIT R-11390

MAXIMUM RATE: 1.859 CFS, being 1.52 CFS for irrigation and 0.339 CFS for
reservoir maintenance

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31 for irrigation, and YEAR ROUND
for reservoir maintenance

DATE OF PRIORITY: July 21, 2000

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, SECTION 21, T3S, R2E, W.M.;
WELL A: SOUTH 13° WEST 1110.572 FEET; WELL B: SOUTH 15° WEST 1109.304
FEET, BOTH FROM THE NORTH 1/4 CORNER OF SECTION 21, T3S, R2E, W.M.

The amount of water used for irrigation under this right, together with
the amount secured under any other right existing for the same lands, is
limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or
its equivalent) and 2.5 acre-feet for each acre irrigated during the
irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION

SW 1/4 SW 1/4 0.23 ACRES
SE 1/4 SW 1/4 2.82 ACRES
SW 1/4 SE 1/4 0.53 ACRES
SECTION 16

NE 1/4 NE 1/4 0.5 ACRES
NW 1/4 NE 1/4 33.27 ACRES
SW 1/4 NE 1/4 25.06 ACRES
SE 1/4 NE 1/4 0.81 ACRES
NE 1/4 NW 1/4 31.17 ACRES
NW 1/4 NW 1/4 9.34 ACRES
SW 1/4 NW 1/4 2.48 ACRES
SE 1/4 NW 1/4 15.11 ACRES

SECTION 21

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

RESEVOIR MAINTENANCE

NE 1/4 NE 1/4 (POND A)
NW 1/4 NE 1/4 (POND A)
NE 1/4 NW 1/4 (PONDS B, C, & D)
NW 1/4 NW 1/4 (POND D)

SECTION 21

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

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.

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

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

as to their accuracy signed by the individual making the measurements, and shall be submitted to the Department within 90 days from the date of measurement. The Department shall determine when any of the declines cited in section (1) are evidenced by the well measurement required in section (3).

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.

STANDARD CONDITIONS

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.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

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.

Actual construction of the well shall begin within one year from issuance of the final order approving the use. Complete application of the water to the use shall be made on or before October 1, 2005. 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 _____, 2001

DRAFT - THIS IS NOT A PERMIT

Paul R. Cleary, Director
Water Resources Department

March 28, 2001

In reply to: Stone Creek Golf Course

Cory Engel
Oregon Water Resources Department
158 12th St NE
Salem, OR 97301-4172

Dear Cory Engel

SUBJECT: SURFACE WATER STORAGE PERMITS

In a fax dated October 27, 2000 to Lisa Juul, I provided the new lake volumes. It appears that the volumes have change considerably. I calculate the new total volume to be 26.86 acre-feet, 19.87 acre-feet that are used directly for irrigation. Please let me know what direction you want to go in terms of making a change to the surface water permit. If you need , I will come to Salem and help you figure this out.. Time is very critical on this issue in that I have half 10 greens seeded and will need to be irrigated as soon as the weather changes.

Sincerely,



David C Phipps
Golf Course Superintendent
GOLF SOLUTIONS LLC

cc: Dan Zinzer
Clackamas County
9101 SE Sunnybrook Blvd
Clackamas, OR 97015

Oregon Water Resources Department



State of Oregon
Water Resources Department
158 12th Street NE, Salem, OR 97310
1 (800) 624-3199 • (503) 378-8455
www.wrd.state.or.us

Fax Transmittal

TO: DAVID PHEAPS

FAX: 503-742-0785 DATE: 3/28/01 PAGES: 5

FROM: CORY ENGEL, X324

COMMENTS: _____

Director's Office

- Water Resources Commission
- Legislation and Rules
- Public Information

Field & Technical Services

- Dam Safety
- Hydrographics
- Ground Water
- Information Services
- GIS/Mapping

FAX: **503-378-2496**

Administrative Services

- Accounting/Fiscal
- Personnel
- Water Development Loan Fund

Resource Management

- Regional Liaisons

Field & Technical Services

- Enforcement

FAX: **503-378-8130**

Water Rights & Adjudications

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

Northwest Region

- District 16 Watermaster
- Transfers

FAX: **503-378-6203**

STATE OF OREGON

COUNTY OF CLACKAMAS

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ISHIHARA USA CORPORATION
121 SW SALMON STREET, SUITE 1100
PORTLAND, OREGON 97204

503-228-6300

to use the waters of BEAVER CREEK, AN UNNAMED STREAM AND RESERVOIRS 1 THROUGH 8 TO BE CONSTRUCTED UNDER APPLICATION R-70117, PERMIT R-11390, tributaries of WILLAMETTE RIVER, for IRRIGATION OF 176.2 ACRES AND RECREATION (golf hazards and aesthetic value).

This Permit is issued approving Application 70118. The date of priority is NOVEMBER 9, 1989. The use is limited to not more than 2.22 CUBIC FEET PER SECOND, being 2.20 cfs from BEAVER CREEK for irrigation and 0.01 CFS FROM UNNAMED STREAM 1 AND 0.01 CFS FROM UNNAMED STREAM 2 for maintaining reservoirs for RECREATION, or its equivalent in case of rotation, measured at the point of diversion from the source.

The points of diversion are located as follows:

BEAVER CREEK - SW 1/4 SE 1/4, SECTION 16, T 3 S, R 2 E, W.M.; 235 FEET NORTH AND 815 FEET EAST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 1 AND UNNAMED STREAM 1 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 1225 FEET SOUTH AND 980 FEET EAST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 2 AND UNNAMED STREAM 1 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 925 FEET SOUTH AND 750 FEET EAST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 3 AND UNNAMED STREAM 2 - NE 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 950 FEET SOUTH AND 200 FEET WEST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 4 AND UNNAMED STREAM 2 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 650 FEET SOUTH AND 150 FEET EAST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 5 - NE 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 1020 FEET SOUTH AND 50 FEET WEST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 6 - NE 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 1050 FEET SOUTH AND 550 FEET WEST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 7 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 650 FEET SOUTH AND 600 FEET EAST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 8 - NW 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 220 FEET SOUTH AND 1450 FEET WEST FROM N 1/4 CORNER, SECTION 21.

The permittee shall install, operate and maintain all fish screening and bypass devices required by the Oregon Department of Fish and Wildlife to prevent fish entering any diversion of water created by this appropriation.

The permittee shall not install, operate or maintain any barrier to fish passage.

The permittee shall only divert water from Beaver Creek when flow is sufficient to maintain a flow of 1.5 cubic feet per second (cfs) in Beaver Creek past the point of diversion for this appropriation.

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 2.5 acre-feet per acre for each acre irrigated during the irrigation season of each year from direct flow and storage.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the proposed place of use under the Permit is as follows:

SW 1/4 SW 1/4 1.5 ACRES
SE 1/4 SW 1/4 6.0 ACRES
SECTION 16

NE 1/4 NE 1/4 2.2 ACRES & RECREATION
NW 1/4 NE 1/4 29.6 ACRES & RECREATION
SW 1/4 NE 1/4 37.1 ACRES
SE 1/4 NE 1/4 3.4 ACRES
NE 1/4 NW 1/4 38.5 ACRES & RECREATION
NW 1/4 NW 1/4 15.1 ACRES & RECREATION
SW 1/4 NW 1/4 8.8 ACRES
SE 1/4 NW 1/4 32.3 ACRES
NE 1/4 SE 1/4 0.1 ACRE
NW 1/4 SE 1/4 1.6 ACRES

SECTION 21
TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

Actual construction work shall begin on or before August 12, 1992, and shall be completed on or before October 1, 1993. Complete application of the water to the use shall be made on or before October 1, 1994.

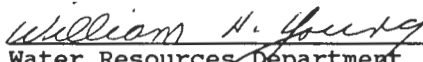
Failure to comply with any of the provisions of this permit may result in action including, but not limited to restrictions on the use, civil penalties, or cancellation of the permit.

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 granted herein may be made only at times when sufficient water is available to satisfy all prior rights, including rights for maintaining instream flows.

Issued this date, AUGUST 12, 1991.


Water Resources Department
William H. Young
Director

STATE OF OREGON

COUNTY OF CLACKAMAS

PERMIT TO CONSTRUCT A RESERVOIR AND TO
STORE FOR BENEFICIAL USE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ISHIHARA USA CORPORATION
121 SW SALMON STREET, SUITE 1100
PORTLAND, OREGON 97204

503-228-6300

to construct RESERVOIRS 1 THROUGH 8 and store the waters of UNNAMED STREAM 1 FOR RESERVOIRS 1 AND 2, UNNAMED STREAM 2 FOR RESERVOIRS 3 AND 4 AND BEAVER CREEK FOR RESERVOIRS 5 THROUGH 8 AND, tributaries of WILLAMETTE RIVER, to be appropriated under Application 70118, Permit 51274, for IRRIGATION AND RECREATION.

This Permit to store waters is issued approving Reservoir Application R-70117. The date of priority is NOVEMBER 9, 1989 FOR 18.9 ACRE-FEET (AF) AND JUNE 27, 1991 FOR 29.5 AF. The amount of water entitled to be stored each year is not more than 48.4 AF, BEING 6.4 AF in RESERVOIR 1, 0.3 AF in RESERVOIR 2, 6.2 AF in RESERVOIR 3, 0.6 AF in RESERVOIR 4, 6.4 AF in RESERVOIR 5, 5.8 AF in RESERVOIR 6, 0.3 AF in RESERVOIR 7, 1.5 AF in RESERVOIR 8 FOR IRRIGATION AND 2.7 AF IN RESERVOIR 1, 1.2 AF IN RESERVOIR 2, 2.7 AF IN RESERVOIR 3, 2.2 AF IN RESERVOIR 4, 2.7 AF IN RESERVOIR 5, 2.5 AF IN RESERVOIR 6, 1.0 AF IN RESERVOIR 7 AND 5.9 AF IN RESERVOIR 8 FOR RECREATION.

The dams will be located as follows:

DAM 1 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 1.3 acre and the maximum depth of water will be 10.0 feet.

DAM 2 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 0.2 acre and the maximum depth of water will be 10.0 feet.

DAM 3 - NE 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 1.2 acre and the maximum depth of water will be 10.0 feet.

DAM 4 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 0.3 acre and the maximum depth of water will be 10.0 feet.

DAM 5 - NE 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 1.8 acre and the maximum depth of water will be 10.0 feet.

DAM 6 - NE 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 1.1 acre and the maximum depth of water will be 10.0 feet.

DAM 7 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 0.2 acre and the maximum depth of water will be 10.0 feet.

DAM 8 - NW 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 0.9 acre and the maximum depth of water will be 10.0 feet.

The area to be submerged by the reservoirs is located within:

NW 1/4 NE 1/4
NE 1/4 NW 1/4
NW 1/4 NW 1/4
SECTION 21

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

PAGE TWO

The storage of water allowed herein is subject to the installation and maintenance of an outlet pipe, or the provision of other means to evacuate water when determined necessary by the Water Resources Director to satisfy prior downstream rights.

Actual construction work shall begin on or before August 12, 1992, and shall be completed on or before October 1, 1993. The reservoir shall be filled, and complete application of the stored water to the use shall be made on or before October 1, 1994.

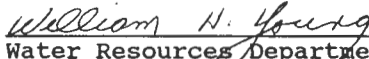
Failure to comply with any of the provisions of this permit may result in action including, but not limited to restrictions on the use, civil penalties, or cancellation of the permit.

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 storage of water allowed herein may be made only at times when sufficient water is available to satisfy all prior rights, including rights for maintaining instream flows.

Issued this date, AUGUST 12, 1991.


Water Resources Department
William H. Young
Director

PFO CHECKLIST

Application #: 6-15789

Basin: 2

WID: N/A

County CUAC Township 35 Range 2E Section 16, 21 1/4 1/4

- 1 Is the file complete by the Minimum Requirements Checklist? Y/N
- 2 Shortcomings (items needed before a permit and/or FO can be issued) Y/N
Check file for indicators that the process **should not** continue until a later date (ie - protest, letter to file indicating hold, or other)
- 3 Groundwater Review A B C D River/Stream Name Conditions 7F, 7I, 7B
 - a Groundwater Availability A B C
 - b Is second groundwater review necessary? (comments) Y/N
 - c Is HB 1033 review complete? Y/N
 - d Is the well located in a GWLA or CA? (If applicable, include map with POD) Y/N
- 4 Is use from a B.O.R. or Douglas County project? Y/N Contract in file? Y/N Contract #
- 5 Is the use allowed by the Basin Program? Y/N Limited? Y/N 690-D2-160(2)
- 6 Water Availability Data OK / REDONE / NA 50% before July 17, 1992; 80% live flow & 50% storage after July 17, 1992)
- 7 Is the source withdrawn or limited by statute or Department withdrawal order? Y/N
- 8 Is the Proposed Use located in or above a Scenic Waterway? Y/N
- 9 Division 33: Above Bonn (after July 17, 1992) Y/N/NA
Below Bonn (after April 8, 1994; June 3, 1994) Y/N/NA
Statewide - (in shaded areas on T, E, and S Map - after June 3, 1994) Y/N/NA
- 10 Per the IR, is the Proposed Source on the DEQ 303d List? Y/N If so, any comments received? Y/N
Is the Proposed Use in an existing or draft Dept of Ag. Water Quality Management Plan Area? Y/N
- 11 Have conflicts been addressed? Y/N NEED TO MAKE THIS APP SUPPLEMENTAL OR OBTAIN SW
- 12 Rate 1/2 Duty 2 1/2 Irrigation Season 3/1-10/31
- 13 Period of Allowed Use 3/1-10/31
- 14 Allowed Rate of Use 1.859 ~~3.06~~ (1.52 AF, ^{0.339 CFS, OR 0.01/AF} RES. MAINT.)
33.9 AF TOTAL IN RESERVOIRS; 0.01/AF = 0.339 CFS
- 15 Is the use **Small** (≤ 0.1 cfs, ≤ 9.2 AF), **Medium** (> 0.1 or < 1.5 cfs, > 9.2 or < 100 AF) or **Large** (≥ 1.5 cfs, ≥ 100 AF)?
If the use is Municipal and ≤ 0.1 CFS, use **Large** condition.
- 16 Conditions See 3 above.
Is the proposed use within the New River Basin? Y/N If yes, include New River Agreement Conditions.
- 17 IR Public Notice Date 2/27/01 Comments Received? Y/N
- 18 Was the application filed on or after October 23, 1999? Y/N If yes, then no A date.
- 19 Final Report Checklist
 - ☒ Documents used in determination are attached to this checklist and highlighted
 - ☒ Fill out PFO CC List (don't forget to check for other property owners) - DAVID PHIPPS POB 2980, OR Gary OR 97045
 - a Re-notify Water Availability? (Rate, Duty and Period of Allowed Use changes) Y/N
 - b Check Watermaster Dist. on the CC list and draft permit.
 - ☒ Spell Check and Accuracy Check
 - ☒ Final PFO report hard copy check (format, margins, etc.)
 - ☒ Final PFO has been saved to m:\groups\wr\pfo\done\week#\application #

Name: Cory Engel

Date: 26 Mar 2007

PUBLIC NOTICE

February 27, 2001

App#	Basin	Source	Quantity	Use	Cnty/Priority	Red Vicinity	Name/Address	Stage/Status
G-15189	2	WELL 1>BEAVER CR WELL 2>BEAVER CR	700.0000	G IR	121.22 Clackamas 7/21/2000	NENW,SECTION 21 T 3S, R2E NENW,SECTION 21 T 3S, R2E	COUNTY OF CLACKAMAS; ZINZ IR 9101 SE SUNNYBROOK BLVD CLACKAMAS,OR 97015	2
G-15241	2	WELL 1>CEDAR CR WELL 2>CEDAR CR	1.7800	C MU	Lane 12/11/2000	NWNE,SECTION 34 T17S, R2W SESW,SECTION 27 T17S, R2W	SPRINGFIELD UTILITY BOARD IR 202 S 18TH ST SPRINGFIELD,OR 97477	3
G-15242	2	A WELL>MCKENZIE R	2.2300	C MU	Lane 12/11/2000	SENW,SECTION 25 T17S, R3W	SPRINGFIELD UTILITY BOARD IR 202 S 18TH ST SPRINGFIELD,OR 97477-5240	3
G-15243	2	WELL 5>MCKENZIE R WELL 6>MCKENZIE R WELL 7>MCKENZIE R WELL 10>MCKENZIE R	4.9000	C MU	Lane 12/11/2000	NWSW,SECTION 26 T17S, R2W NWSW,SECTION 26 T17S, R2W NWSW,SECTION 26 T17S, R2W NWSW,SECTION 26 T17S, R2W	SPRINGFIELD UTILITY BOARD IR 202 S 18TH ST SPRINGFIELD,OR 97477-5240	2
G-15244	2	WELL 8>MCKENZIE R WELL 9>MCKENZIE R WELL 11>MCKENZIE R	4.0100	C MU	Lane 12/11/2000	NWSW,SECTION 26 T17S, R2W NWSW,SECTION 26 T17S, R2W NESE,SECTION 27 T17S, R2W	SPRINGFIELD UTILITY BOARD IR 202 S 18TH ST SPRINGFIELD,OR 97477	2
G-15172	9	A WELL>RUCKLES CR	2.0100	C IR	240.00 Baker 6/19/2000	NWSW,SECTION 14 T 9S, R41E	ORMAN W BIEBER 317 ORCAS AVE PORT ANGELES,WA 98362	IR 2
S-84612	15	S FK LITTLE BUTTE CR>ROGU N FK LITTLE BUTTE CR>ROGU VAUGHN RES>ROGUE R	46.0000	A TC	Jackson 4/20/2000	NESE,SECTION 29 T36S, R2E SENE,SECTION 20 T36S, R2E SESE,SECTION 20 T37S, R2W	J EDWARD VAUGHN VAUGHN, NANCY N 1014 OLD STAGE RD CENTRAL POINT,OR 97502	IR 3
S-84596	17	A SPR>CATCHING CR	2.2440	G DO	Coos 12/ 6/2000	NWNE,SECTION 30 T29S, R12W	VERAL TARNO TARNO, NANCY 310 E 1ST ST COQUILLE,OR 97423	IR 3
S-84530	2	WHITAKER LAKE	114.0	A IC	Benton 10/4/2000	SECTION 14 T 13S, R 5W	LARRY VENELL GREENBERRY IRRIGATION DIST 30742 VENNEL PLACE CORVALLIS, OR 97333	IR 2

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-15189

Final Order

Application History

On July 21, 2000, COUNTY OF CLACKAMAS; ZINZER, DAN submitted an application to the Department for a water use permit. The Department issued a Proposed Final Order on April 3, 2001. The protest period closed May 18, 2001, and no protest was filed.

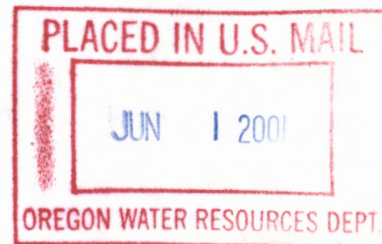
The proposed use would not impair or be detrimental to the public interest.

Order

Application G-15189 therefore is approved as proposed by the Proposed Final Order, and Permit G-13947 is issued as limited by the conditions proposed by the Proposed Final Order.

DATED May 31, 2001


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 Steve Brown. 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 toll free within Oregon at 1-800-624-3199 extension 263. Outside of Oregon you can dial 1-503-378-8455.

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. Her extension number is 239.

If you have other questions about the Department or any of its programs please contact our Water Rights Information Group at extension 201. Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 158 12th ST. NE Salem, OR 97301-4172, Fax: (503)378-2496

STATE OF OREGON

COUNTY OF CLACKAMAS

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

COUNTY OF CLACKAMAS; DAN ZINZER
9101 SE SUNNYBROOK BLVD
CLACKAMAS, OREGON 97015

503-353-4661

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

APPLICATION FILE NUMBER: G-15189

SOURCE OF WATER: TWO WELLS IN BEAVER CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 121.32 ACRES AND MAINTENANCE OF FOUR
RESERVOIRS CONSTRUCTED UNDER PERMIT R-11390

MAXIMUM RATE: 1.859 CFS, being 1.52 CFS for irrigation and 0.339 CFS for
reservoir maintenance

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31 for irrigation, and YEAR ROUND
for reservoir maintenance

DATE OF PRIORITY: July 21, 2000

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, SECTION 21, T3S, R2E, W.M.;
WELL A: SOUTH 13° WEST 1110.572 FEET; WELL B: SOUTH 15° WEST 1109.304
FEET, BOTH FROM THE NORTH 1/4 CORNER OF SECTION 21, T3S, R2E, W.M.

The amount of water used for irrigation under this right, together with
the amount secured under any other right existing for the same lands, is
limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or
its equivalent) and 2.5 acre-feet for each acre irrigated during the
irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION

SW 1/4 SW 1/4 0.23 ACRES
SE 1/4 SW 1/4 2.82 ACRES
SW 1/4 SE 1/4 0.53 ACRES
SECTION 16

NE 1/4 NE 1/4 0.5 ACRES

NW 1/4 NE 1/4 33.27 ACRES
SW 1/4 NE 1/4 25.06 ACRES
SE 1/4 NE 1/4 0.81 ACRES
NE 1/4 NW 1/4 31.17 ACRES
NW 1/4 NW 1/4 9.34 ACRES
SW 1/4 NW 1/4 2.48 ACRES
SE 1/4 NW 1/4 15.11 ACRES

SECTION 21

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

RESERVOIR MAINTENANCE

NE 1/4 NE 1/4 (POND A)
NW 1/4 NE 1/4 (POND A)
NE 1/4 NW 1/4 (PONDS B, C, & D)
NW 1/4 NW 1/4 (POND D)

SECTION 21

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

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.

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

(1) Use of water from the well, as allowed herein, shall be controlled

or shut off if the well displays:

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

measurements, and shall be submitted to the Department within 90 days from the date of measurement. The Department shall determine when any of the declines cited in section (1) are evidenced by the well measurement required in section (3).

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.

STANDARD CONDITIONS

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.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

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, 2005. 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 31, 2001


Paul R. Cleary, Director
Water Resources Department

Application G-15189
Basin 02
SB

Water Resources Department
Volume 16 PARROTT CR
MGMT.CODE 7F, 7I, 7B

PERMIT G-13947
District 16

FROM: GOLF SOLUTIONS LLC
10-18-00 14:33

FAX NO.: 5037420785
503 375 6203

WATER RIGHTS, NWR

Oct. 27 2000 04:17PM P1
10/27/00

EFU

22 20

20

1400
1.17AC.

1102
9.60AC
1405

1106
2.10AC
1481

1103
0.72AC
1450

1100
1.00AC
1400

131W1
9.80AC

1301
10.54AC

2052AC
BROWN

1301 ACRES

Will location from N Quarter Center
A - 1110.572A 193T
B - 1109.304A 195T

Application No. 05189
Permit No. 913947

This map was prepared for
assessment purpose only.

LAKE A - 341,225 CF DEPTH - 7 FEET
LAKE B - 524,130 CF DEPTH - 7 FEET
LAKE C - 304,810 CF DEPTH - 8 FEET

SECTION 21 T3S. R2E. W.M.
CLACKAMAS COUNTY

1" = 400'

SEE MAP 3 2C 16

* Are these lands included
of 0.43 acres for it

D.L.C. ENGINEER
WM. ARMPIEST NO. 47

RECEIVED
JUL 21 2000
WATER RIGHTS UNIT
SPECIAL AGENT

North

62-70

SEE MAP

3 2E 21AB

86-08

86-24

Total
121.72

SEE MAP

MAP

IRRIG. MAIN
WELL
IRRIG. LA
SE
C
q



Oregon

John A. Kitzhaber, M.D., Governor

Water Resources Department

Commerce Building
158 12th Street NE
Salem, OR 97301-4172
(503) 378-3739
FAX (503) 378-8130

February 23, 2001

COUNTY OF CLACKAMAS
DAN ZINZER, PARKS AND ENGINEERING MANAGER
9101 SE SUNNYBROOK BLVD
CLACKAMAS, OREGON 97015

(503)353-4661

Reference: File G-15189

Dear Applicant:

THIS IS NOT A PERMIT AND IS SUBJECT TO CHANGE AT THE NEXT PHASE OF PROCESSING.

This letter is to inform you of the preliminary analysis of and potential limitations to 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.
2. The use of a maximum cumulative total of not to exceed 1400.0 gallons per minute (GPM), or 3.12 cubic feet per second (CFS), of water at any one time from two wells, within the Beaver Creek Basin, being 700.0 GPM (1.56 CFS) for the irrigation of 121.22 acres and 700.0 GPM (1.56 CFS) to initially fill and maintain Lakes A, B, C and D as further described under Permit #R-11390, **is allowable** under OAR 690-502-160(2), the Willamette Basin Program.
3. Based upon the Groundwater Division 690-09 review currently in effect, the Department has determined that the proposed groundwater use **will, if properly conditioned, adequately protect** the surface water from interference.

4. Based upon available data, the Department has also determined that the proposed use of groundwater **will, if properly conditioned, avoid injury** to existing rights or to the groundwater resource.
5. The applicant requested the use of up to 1.56 CFS (700.0 GPM) of water for the irrigation of 121.22 acres. Based upon the Department's general, standard allowance, however, the maximum rate that may be allowed for this proposed use is 1.52 CFS (682.0 GPM). **Therefore, the amount of water requested for irrigation purposes under this application shall be limited to 1.52 CFS.**

Summary of Initial Determinations

The use of a maximum cumulative total not to exceed 3.08 CFS (1382.0 GPM) of water at any one time from two wells, within the Beaver Creek Basin, being 1.52 CFS (682.0 GPM) for the irrigation of 121.22 acres and 1.56 CFS (700.0 GPM) to initially fill and maintain Lakes A, B, C and D as further described under Permit #R-11390, may be allowed from March 1 through October 31 of each year for irrigation purposes and year round for reservoir maintenance.

Because of the Department's determination, your application can be moved to the next phase of the water rights application review process. However, due to #5 above, your application will likely be limited as summarized above.

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.

At this time, you must decide whether to proceed or to withdraw your application as described below.

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, March 9, 2001**. For your convenience you may use the enclosed "STOP PROCESSING" form.

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.

If A Permit Is Issued It Will Likely Include The Following Conditions:

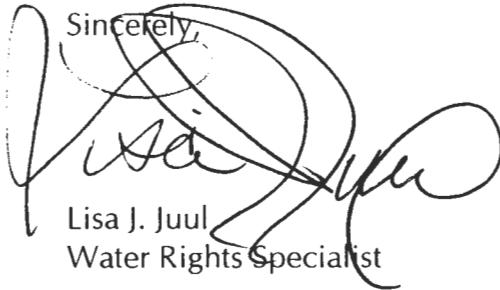
1. Measurement, recording and reporting conditions:
 - A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete 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. You will be required to comply with state and federal water quality standards.
3. The priority date for this application is July 21, 2000.

The water source identified in your application is in an area that is currently developing a 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. These plans help make sure that current and new appropriations of water are done in a way that does not adversely harm the environment. You are encouraged to contact Mike Wolf, (503) 986-4711 at the ODA to learn more about the plan and how it may affect your proposed water use.

If you have any questions:

Questions about the status of your application, processing timelines, or your upcoming Proposed Final Order should be directed to our Water Right Information Group at (800) 624-3199 or (503) 378-8455, extension 201. Feel free to call me at (800) 624-3199 or (503) 378-8455, extension 264, if you have any questions regarding the contents of this letter. Please have your application number available if you call. Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 158 12th ST. NE Salem, OR 97301-4172, Fax: (503)378-2496.

Sincerely,

A handwritten signature in black ink, appearing to read 'Lisa J. Juul', is written over the word 'Sincerely,' and extends below the name.

Lisa J. Juul
Water Rights Specialist

cc: Regional Manager, Watermaster District 16, Water Availability Section
enclosures: Flow Chart of Water Right Process
Stop Processing Form

G-15189
wab 02-N/A
pou 02-N/A
gw C

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-15189

Applicant: COUNTY OF CLACKAMAS; ZINZER, DAN

County: CLACKAMAS

Watermaster: District 16

Priority Date: July 21, 2000

Source: TWO WELLS IN BEAVER CREEK BASIN

Use: IRRIGATION OF 121.22 ACRES

Quantity: 700.0 GALLONS PER MINUTE

Basin Name & Number: Willamette, #02

Stream Index Reference: Volume 16 PARROTT CR

Point of Diversion Location: NENW, SECTION 21, T 3S, R2E, W.M.; NENW, SECTION 21, T 3S,
R2E, W.M.;

Place of Use: SWSW 0.23 ACRES SESW 2.82 ACRES SWSE 0.43 ACRES, SECTION 16 NENE 0.5
ACRES NWNE 33.27 ACRES SWNE 25.06 ACRES SENE 0.81 ACRES NENW 31.17 ACRES NWNW
9.34 ACRES SWNW 2.48 ACRES SENW 15.11 ACRES, SECTION 21, TOWNSHIP 3 SOUTH,
RANGE 2 EAST, W.M.

14 DAY STOP PROCESSING DEADLINE DATE: Applicant has waived the 2-
week stop processing
opportunity

PUBLIC NOTICE DATE: Tuesday, February 27, 2001

30 DAY COMMENT DEADLINE DATE: Thursday, March 29, 2001

David Phipps
Golf Solutions LLC
Phone- 503-407-0749
Fax- 503-742-0785

facsimile transmittal

To: LISA JUUL Fax: 503 378-6203
From: DAVID PHIPPS Date: 11/29/00
Re: WELL REPORT & TEST PMP Pages: 3
CC:

☐ Urgent☒ For Review☐ Please Comment☐ Please Reply☐ Please Recycle

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.705)

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

WELL ID # 39490

START CARD # 135506

(1) OWNER: Well Number 690
Name Golf Solution LLC
Address PO Box 2980
City Oregon City State OR Zip 97045

(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 950 ft.

Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Seals or pounds
20	0	19	cement	0	19	15
16	19	30	cement	40	830	300
12	830	940				
8	940	1210				

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	16	1 1/2	21	312	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	0	500	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	500	830	312	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 830

(7) PERFORATIONS/SCREENS:

		Method		Type		Material	
From	To	Slot size	Number	Diameter	Tri-plate size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

		Flowing	
		Artesian	
Yield gallons	Drawdown	Drawdown	Time
500	475		8 hrs

Temperature of water 62 Depth Artesian flow found _____

Did any water contain water not suitable for intended use? ☐ Yes ☐ No

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____

Depth of shaft _____

(9) LOCATION OF WELL by legal description:

County Clack Latitude _____ Longitude _____
Township 3 N or S Range 2 E or W. W. M.
Section 21 SE 1/4 NW 1/4
Tax lot 0790 Block _____ Subdivision _____
Street Address of Well or nearest address 21011 S. Hwy. 313

(10) STATIC WATER LEVEL:

310 ft. below land surface. Date 11/22/00
Atmospheric pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 60

From	To	Estimated Flow Rate	SWL
60	80	25	35
200	240	500	90
320	540	200	90
900	930	500	310

(12) WELL LOG:

Material	From	To	SWL
clay brown	0	15	
basalt gray	15	45	
clay red	45	60	
claystone brown	60	80	35
claystone gray	80	200	
sandstone gray	200	240	90
claystone lite gray	240	300	
claystone gray/green	300	320	
sandstone gray	320	340	90
claystone gray/green	340	480	
claystone green/gray			
some wood	480	600	
claystone green/gray	600	770	
claystone green soft	770	810	
claystone gray hard	810	900	
sandstone gray hard	900	930	310
claystone gray hard	930	1210	

Date started 9/12/00 Completed 11/22/00

(unbonded) Water Well Constructor Certification:

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

Signed _____ WWC Number _____ Date _____

(bonded) Water Well Constructor Certification:

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

Signed Randy P. Calk WWC Number 663 Date 11/25/00

AMERICAN PUMP



P.O. BOX 4442
SALEM, OREGON 97302

503-391-1363 FAX 503-585-5813

Golf Solutions LLC
21011 S HWY 213
Oregon City, OR 97045

11/23/00

I test pumped your well for eight hours and found a continuous flow rate of 500 gallons per minute. At the start, I observed the static level at 306'. While pumping I could maintain the pumping level by closing down the gate valve and adjusting the flow. I finally opened the gate valve completely and the pumping level went to 765'. With minor adjustments of the flow rate the pumping level could be maintained. I found the flow rate to be easily maintained at around 500 gallons per minute. This well is producing a rate of 500 gallons per minute. At the shut down I observed the static water level recovering at the 500 gallon per minute rate. I pumped over 221,000 gallons of water in an eight hour period. The water cleared up after about five hours of pumping, which indicates cleaning of the aquifer.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "M. Wolfe".

Michael T. Wolfe

David Phipps
Golf Solutions LLC
Phone: 503 407-0749
Fax: 503-742-0785

.....

facsimile transmittal

To: Lisa Juul **Fax:** 503 378-6203

From: David Phipps **Date:** 10/27/2000

Re: Ground Water Storage Amounts **Pages:** 2

CC:

☐ Urgent ☐ For Review ☐ Please Comment ☒ Please Reply ☐ Please Recycle

.....

Lisa,

Is this all the information you need for the revised ground water storage capacity? Call me for further information.

David

.....

LAKE B - 341,225 CF
LAKE C - 524,130 CF
LAKE D - 304,810 CF

* Are these lands included
of 10.43 acres for ..

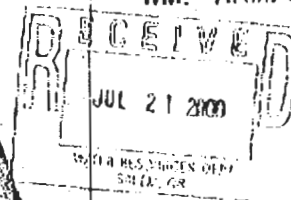
Application No. 675194

Permit No.

This map was prepared for
assessment purpose only.

SECTION 21 T.3S. R.2E. W.M.
CLACKAMAS COUNTY

D. L. C. ENGINE
WM. ARMPIEST NO. 47



62-70

WITH LOCATION	Form N Quarters (General)
---------------	---------------------------

A - 1110.572.47 173.7

B-1109 30481 1957

SEE MAP

3 ~~2E~~ 21AB

86-24

Total	121.22
-------	--------

EFU

O'SEÉ

MAF

Oct. 27 2000 10:26AM P2

FAX NO. : 5037420785
WATER RIGHTS/WR

GOLF SOLUTIONS LLC

LAKE B - 341,225 CF
LAKE C - 524,130 CF
LAKE D - 304,810 CF

Application No. 61519
Permit No.

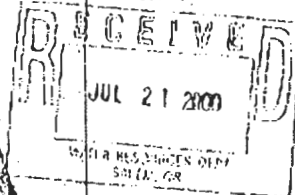
This map was prepared for
assessment purpose only.

acres in
SW 1/4 SE 1/4 Section 16?

SECTION 21 T.3S. R.2E. W.M.
CLACKAMAS COUNTY

* Are these lands included
of 0.43 acres for

D.L.C. ENGI
WM. ARMPIEST NO. 47



62-70

SEE MAP

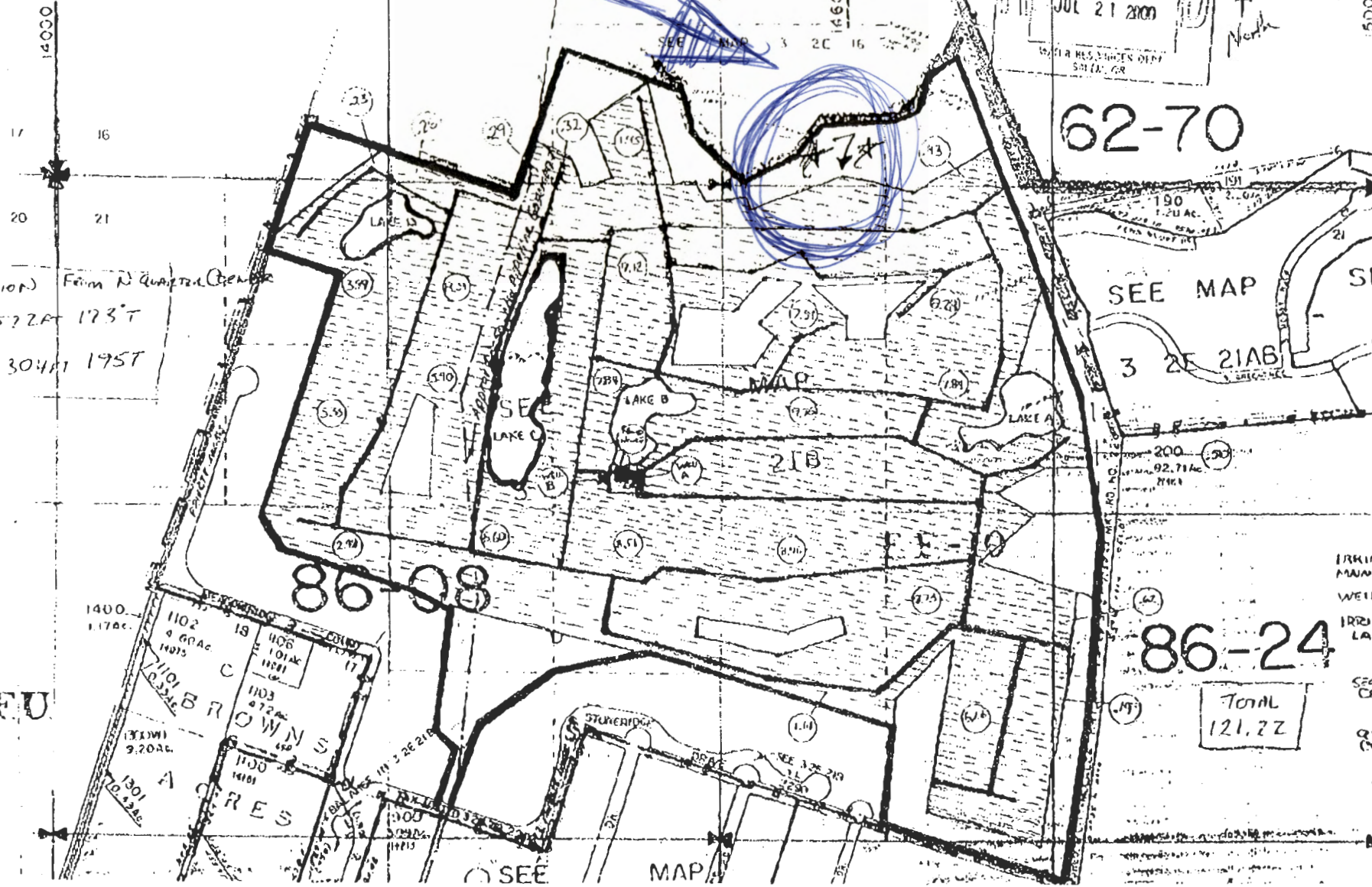
3 2E 21AB

86-24

Total
121.22

EFU

2E 20



RECEIVED

OCT 23 2000

WATER RESOURCES DEPT.
SALEM, OREGON

October 20, 2000

Donn Miller
Oregon Water Recourses Department
Technical Services
158 12th Street NE
Salem, Oregon 97310-1210

Dear Donn Miller,

In regards to application number G-15189, permit to use ground water, I would like to request a change to our proposed well development. We have drilled to a depth of 1210 feet and have been unable to find the basalt. We have set casing to a depth of 830 feet to seal off the upper level water tables. Therefore I would like to request your approval to use the water below 830 feet.

Sincerely,



David C Phipps
Construction Manager
Golf Solutions LLC
cc: Rodney C Erler

PO BOX 2980
OREGON CITY, OR 97045



AMERICAN WELL DRILLING

8640 S.W. HILLSBORO HWY • HILLSBORO, OR 97123

OFFICE 648-6000
FAX 583-5813

RECEIVED

OCT 23 2000

WATER RESOURCES DEPT.
SALEM, OREGON

October 19, 2000

David Phipps
Golf Solutions
12777 Jones Rd., Suite 195
Houston, Texas 77070

Dear David:

We have drilled from 0 to 830' with a 16" hole. We found no basalt, but found lots of water from 60 to 340'. We set 830' of 12" casing and sealed it. We drilled an 8" test hole from 830' to 1210', and still found no basalt.

I called Don Miller of Water Resources Department and asked him if it was going to be okay to seal into the claystone since we didn't find basalt. It sounded to him like we had sufficiently sealed any upper water zones. Therefore, he was in favor of sealing into the claystone, but it would take a letter from you asking for approval to use any water found below 830'.

I am faxing you a copy of the driller's log and also an invoice of the expenses we've incurred at this point.

Sincerely yours,

AMERICAN WELL DRILLING

Rodney C. Erler
President

RCE:je

DOMESTIC, IRRIGATION & INDUSTRIAL

RECEIVED

OCT 23 2000

STATE OF OREGON
WATER SUPPLY WELL REPORT

(as required by ORS 537.755)

WATER RESOURCES DEPT.

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

WELL I.D. #1

START CARD # 115506

(1) OWNER:

Name Go/it Solution

Well Number 690

Address

City

State

Zip

(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 ☐ Lejection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:

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

Explosives used ☐ Yes ☒ No Type Amount

HOLE

SEAL

Diameter	From	To	Material	From	To	Feet or yards
20	0	19	concrete	1	19	15
16	19	24	concrete	40	24	30

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	12	0	21	3/4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	21	24	3/4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	24	28	2 1/2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations

Method

☐ Screens

Type

Material

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

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

☐ Pump

☐ Hailer

☒ Air

☐ Artesian

Yield gals/min

Drawdown

Drill stem pt

Time

				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 Latitude Longitude

Township N or S Range E or W. WM.

Section 1/4 1/4

Tax Lot Lot Block Subdivision

Street Address of Well (or nearest address)

(10) STATIC WATER LEVEL:

 ft. below land surface.

Date

Artesian pressure lb. per square inch.

Date

(11) WATER BEARING ZONES:

Depth at which water was first found 60

From	To	Estimated Flow Rate	SWL
60	80	25	35
200	240	500	50
340	345	200	70

(12) WELL LOG:

Ground Elevation

Material	From	To	SWL
Clay Rock	0	15	
Bedrock Gravel	15	45	
Clay Rock	45	60	
Claystone Gravel	60	80	35
Claystone Gravel	80	200	
Subsided Hard Layer			
Sandstone Gravel	200	240	50
Claystone Light Gravel	240	300	
Claystone Gravel & Green	300	340	
Sandstone Gravel	340	345	70
Claystone Gravel Green	345	480	
Claystone Gravel Green			
1 Sandstone	480	600	
Claystone Gravel & Green	600	770	
Claystone Green & Green	770	800	
Claystone Gravel & Green	800	990	
Claystone Gravel	990	1140	
Claystone Gravel	1140	1240	

Date started 9-14-00

Completed

(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

Signed

Date

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

October 20, 2000

Donn Miller
Oregon Water Resources Department
Technical Services
158 12th Street NE
Salem, Oregon 97310-1210

Dear Donn Miller,

In regards to application number G-15189, permit to use ground water, I would like to request a change to our proposed well development. We have drilled to a depth of 1210 feet and have been unable to find the basalt. We have set casing to a depth of 830 feet to seal off the upper level water tables. Therefore I would like to request your approval to use the water below 830 feet.

Sincerely,

David C Phipps
Construction Manager
Golf Solutions LLC
cc: Rodney C Erler

ATTN: LISA
From DAVID PHIPPS
503 378 6203

PO BOX 2980
OREGON CITY, OR 97045

Oregon Water Resources Department



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

Fax Transmittal

FAXED
10-16-00
[Signature]

TO: David Phipps
FAX: 503-742-0785 DATE: 10-16-2000 PAGES: 1 of 11
FROM: Lisa Juul

COMMENTS: Copy of GW Appl # G-15189, Map & GW Report
Also...
- Please see Application Map -
in the SW 1/4 SE 1/4 of Section 16; a small
area of irrigation is not labeled.
Is that included in the total of
0.43 acres?

Thanks,
Lisa

Director's Office

- Water Resources Commission
- Legislation and Rules
- Public Information

Field & Technical Services

- Dam Safety
- Hydrographics
- Ground Water
- Information Services
- GIS/Mapping

Administrative Services

- Accounting/Fiscal
- Personnel
- Water Development Loan Fund

Resource Management

- Regional Liaisons

Field & Technical Services

- Enforcement

Water Rights & Adjudications

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

Northwest Region

- District 16 Watermaster
- Transfers

FAX: 503-378-2496

FAX: 503-378-8130

FAX: 503-378-6203

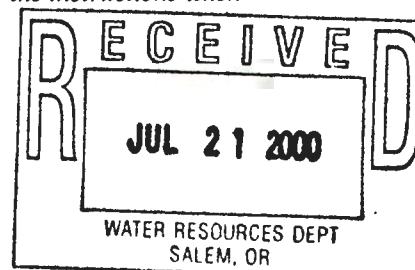


State of Oregon
Water Resources Department
158 12th Street NE, Salem, OR 97310
(503)378-8455 • (800)624-3199
www.wrd.state.or.us

Permit No.

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: _____

*Fax: _____ *E-Mail address: _____

B. Organizations

(Corporations, associations, firms, partnerships, joint stock companies, cooperatives, public and municipal corporations)

Name of organization: CLACKAMAS County

Name and title of person applying: DAN ZINZER - PARKS & ENGINEERING MGR.

Mailing address of organization: 9101 S.E. Sunnybrook Blvd.
CLACKAMAS OR 97015
City State Zip

Phone: (503) 353-4661 657-2899 OR DAVE Phipps 407-0749
Day Evening dr.phipps@hawaii.com

*Fax: (503) 353-4659 *E-Mail address: DANZ@CO.CLACKAMAS.OR.US

**Optional information*

App. No. 6-15189 For Department Use Permit No. _____ Date 7-21-00

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.*

ALL 75 JUL

*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: BEAVERCREEK

C. Distance from well(s) to nearest stream or lake: 1) 1300' TO BEAVERCREEK

2) 1300' TO BEAVERCREEK 3) _____ 4) _____

D. If distance from surface water is less than one mile, indicate elevation difference between nearest surface water and well head. 1) 70'

2) 70' 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: AMERICAN WELL DRILLING

Address: 8640 SW HILLSBORO HWY
HILLSBORO OR, 97123

Completion date: AUGUST 31, 2000

Application No. 615189

Permit No.

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	16"	12" STEEL .375	650	0	650	850	850	2" port hole	1100'
2	—	Same	as	above	—	—	—	—	—

F. Artesian Flows

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

N/A

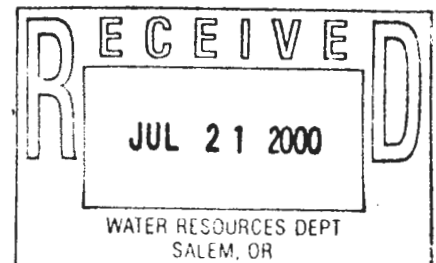
4. WATER USE

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



B. Amount of Water

Provide the production rate in gallons per minute (gpm) and the total annual amount of water you need from each well, from each source or aquifer, for each use. You do not need to provide source information if you are submitting a well log with your application.

Well No.	Source or aquifer	Type of use	Total rate of water requested (in gpm)	Total annual quantity (in gallons)	Production rate of well (in gpm)
1	BASALT Aquifer	IRRIGATION	500 700		500 700
2	BASALT Aquifer	IRRIGATION	700		700

C. Maximum Rate of Use Requested

What is the maximum, instantaneous rate of water that will be used?
(The fees for your application will be based on this amount.)

INITIAL FILL AND MAINTAIN PONDS A, B, C, D.
FOR AESTHETICS AND WETLAND CREATION & MAINTENANCE
~~500~~ NOT TO EXCEED 700
AROUND LAKE AREAS

D. Period of Use

Indicate the time of year you propose to use the water:
(For seasonal uses like irrigation give dates when water use would begin and end, e.g. March 1–October 31.)

MARCH 1st – October 31st

E. Acreage

If you will be applying water to land, please give the total number of acres where water will be applied or used:
(This number should be consistent with your application map.)

121.22
~~200~~ ACRES

5. WATER MANAGEMENT

A. Diversion

What equipment will you use to pump water from your well(s)?

- ☒ Pump (give horsepower and pump type) 100 hp submersible
☐ 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 6" Length 10'-20' TO POND
- ☐ Other (describe) _____

C. Application/Distribution Method

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

ELECTRIC CENTRIFUGAL PUMP / SPRINKLER IRRIGATION

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

- | | | |
|--|---|---|
| <input type="checkbox"/> Flood | <input checked="" type="checkbox"/> High-pressure sprinkler | <input type="checkbox"/> Low pressure sprinkler |
| <input type="checkbox"/> Drip | <input type="checkbox"/> Water cannons | <input type="checkbox"/> Center pivot system |
| <input checked="" type="checkbox"/> Hand lines | <input type="checkbox"/> Wheel lines | |
| <input type="checkbox"/> Siphon tubes or gated pipe with furrows | | |
| <input type="checkbox"/> Other, describe _____ | | |

Distribution method

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

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.

NIGHT IRRIGATION - Computerized IRRIGATION System (TODD) BASED
ON EVAPOTRANSPIRATION - (NOT USED WHEN RAINING)
PONDS will be designed to collect surface water for future use

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.

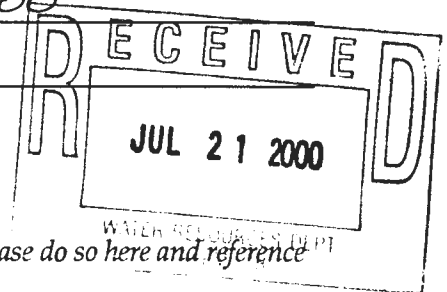
Proposed date construction will begin August 1, 2000

Proposed date construction will be completed August 31, 2000

Proposed date beneficial water use will begin OCT 1, 2000

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.



Application No 615189
Permit No.

8. MAP REQUIREMENTS

The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter/quarter section of the proposed well location and place of use. The map must provide tax lot numbers. See the map guidelines sheet for detailed map specifications.

9. SIGNATURE

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit to me, I may have to stop using water to allow senior water right holders to get water they are entitled to, and

I swear that all information provided in this application is true and correct to the best of my knowledge.

Signature of Applicant

Date

Signature of Co-applicant

Date

Before you submit your application be sure you have:

- Answered each question completely.
- Attached a legible map which includes township, range, section, quarter/quarter and tax lot number.
- Included a Land Use Information Form or receipt stub signed by a local official.
- Included the legal description of all the property involved with this application. You may supply a copy of the deed, land sales contract, or title insurance policy, to meet this requirement.
- Included a check payable to the Oregon Water Resources Department for the appropriate amount.



Oregon Water Resources Department

FORM I
FOR IRRIGATION WATER USE

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

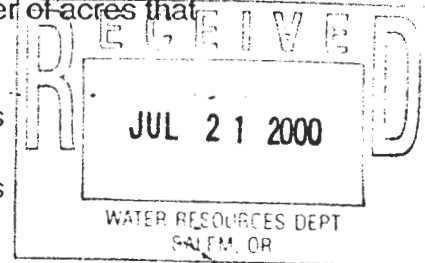
☒ Primary ☐ Supplemental

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

Primary: 121.22 ~~100~~ 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. GOLF COURSE ☐ Full season ☒ Partial season (from: MARCH to OCT)
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:

65,170,200 ^{6M} acre-feet 20 ^{ACRE FEET}

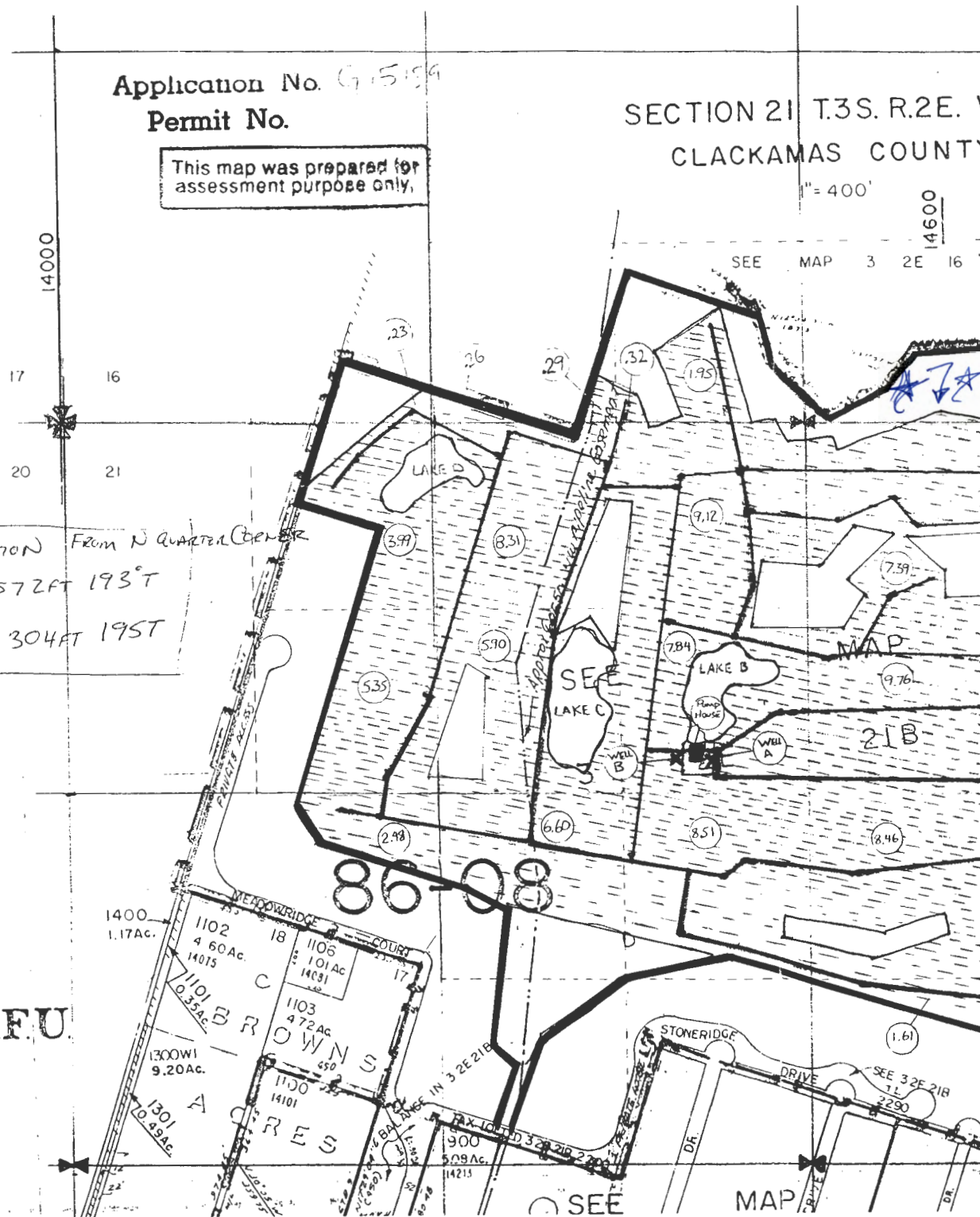
(1 acre-foot equals 12 inches of water spread over one acre, or 43,560 cubic feet, or 325,851 gallons.)

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: _____

Application No. 6 15189
Permit No.

2E 20



Water Resources Department

MEKO

August 15 ²⁰⁰⁰ 199

TO Application G- 15189

FROM GW: Donna Miller
(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

Application No. G15189

Permit No.

Water Rights Section

August 15, 2000
199

FROM: Groundwater/Hydrology Section Don M. Hall

Reviewer's Name

SUBJECT: Application G- 15189

GROUNDWATER/SURFACE WATER CONSIDERATIONS

1. PER THE Willamette Basin rules, one or more of the proposed POA's is/is not within _____ feet/mile of a surface water source (_____) and taps a groundwater source hydraulically connected to the surface water.
Restriction not applicable
2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
- a. ___ will, or have the potential for substantial interference with the nearest
 - b. ___ will not surface water source, namely _____; or
 - ☒ will if properly conditioned, adequately protect the surface water from interference:
 - ☒ The permit should contain condition #(s) 7E;
 - ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ___ The permit should be conditioned as indicated in item 4 below; or
 - d. ___ will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that groundwater for the proposed use
- a. ___ will, or likely be available in the amounts requested without injury to prior rights
 - b. ___ will not and/or within the capacity of the resource; or
 - ☒ will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
 - ☒ The permit should contain condition #(s) 7E;
 - ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ___ The permit should be conditioned as indicated in item 4 below; or
4. ☒ THE PERMIT should allow groundwater production from no deeper than _____ ft. below land surface;
- b. ___ The permit should allow groundwater production from no shallower than _____ ft. below land surface;
- c. ___ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
- d. ___ Well reconstruction is necessary to accomplish one or more of the above conditions.
- e. ___ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: _____

(Well Construction Considerations on Reverse Side)

Application No 615189

Permit No. _____

15. Conflict? Yes ☒ No ☒ ~~Appl #S-70118~~ ^{from SW water} (Permit #S-51274) - Double up on lands by Appl.?
this appl for GW → Appears to be some of the same lands
16. BOR project? Yes ☒ No ☒ Contract # and Duty: Clackamas Co. is now owner of record
Appears to be same project.

17. Conditions (BOR, GW, other)? Yes ☒ No ☒ 7F & 7I

18. Land use approval: OK'd Needs Approval County Notified N/A

19. Measuring condition: Small Medium Large Q

Reservoir Main
Irrig. of 121.22 Ac
121.22 ÷ 80 = 1.52 cfs

N/A 20. Subject to Division 33: Yes ☒ No ☒ N/A - Wells NOT

★ Upper Columbia Div 33 Rules (Above Bonneville)? Yes ☒ No ☒ hydraulic connected
If Yes..... NO WATER USE ALLOWED from APRIL 15 thru SEPTEMBER 30 of each year

- cc: ☐ ODFW District Biologist ☐ NMFS.....Marc Liverman
☐ Columbia River Intertribal Fish Commission ☐ Dept. Of Agriculture.....Steve Applegate
☐ US Fish & Wildlife ☐ DEQ Headquarters.....Tom Rosetta
☐ NW Power Planning Council

★ Statewide Div 33 Rules (Blue anywhere in state & Cross-Hatching OUTSIDE the Columbia Basin)? Yes ☒ No ☒

If Yes.....cc: ☐ ODFW District Biologist ☒ DIVISION 33 CONDITIONS
☐ Steve Applegate.....Dept. of Agriculture Above Bonneville: "B54B"
☐ Tom Rosetta.....DEQ Headquarters Below Bonneville: "PISPC"

N/A 21. On DEQ 303d (Water Quality Limited) list? Yes ☒ No ☒ If Yes.....cc: Tom Melville - DEQ Headquarters

22. Within Dept. of Ag Water Quality Management Area Yes ☒ No ☒ If Yes.....cc: Mike Wolf - Dept. of Ag
TUALATIN BEAR CREEK(ROGUE) W. Willamette UMATILLA UPPER GRANDE RONDE
DRAFT: LOWER COLUMBIA-CLATSKANIE LOWER COLUMBIA YAMHILL
NECANICUM NEHALEM WILSON-TRASK-NESTUCCA UMPQUA
NORTH UMPQUA SOUTH UMPQUA LOWER DESCHUTES

23. WM Dist: NWR 1 2 16 18 20 NCR: 3 4 5 ER: 6 8 9 10 SCR: 11 12 17 SWR: 13 14 15 19

24. Proposed Allowed Use & Rate: IR of 121.22 Ac - 1.52 cfs (682gpm) Mar. 1 - Oct 3
Proposed Allowed Period of Use: Initial Fill & Maintenance - 1.56 cfs (700gpm) - 1/yr. Round of Lake, A, B, C, D
for IRRIG is limited.

25. Letter will be: GOOD LIMITED BAD BAD W/IR SHORT BAD W/HC EXCEPT

Name: [Signature] Date: 10-4-2000

POU

\$625.00

for up to 1400 gpm

IR CHECKLIST

7-21-00

Application # 6-15189 Priority Date: 7-21-00
Basin: 2-Willamette County: Clackamas
Township 3 South Range 2 East Section 21 $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ POD-NENW
WAB #: N/A POU WAB #: N/A

T. 3S, R. 2E
Sect. 16
SW SW
SE SW
SW SE
SE SE
Section 21
all NE $\frac{1}{4}$
all NW $\frac{1}{4}$

OK 10-27-00

Complete by Minimum Requirements checklist? Yes (No) - on Appl. Map

Items still required: Still need: # of acres in SWSE of Section 16
See Fax dated 10-27-00 - 0.1 AC

2. Basin Maps checked? Yes (No) Wells near Fishers Cr > Beaver Cr > Willamette River (mi. 31)

3. Within or above a Scenic Waterway? Yes (No)
If Yes.....cc: State Parks Dept. Conditions/Restrictions? Yes (No)

N/A 4. Within Oregon Streamflow Restoration Area? Yes (No)If Yes, include Streamflow Restoration Block

5. Groundwater Review: A (B) (C) (D) River/Stream Name _____
Conditions? _____ Water Availability: A (B) (C)

6. Is the well located in a groundwater limited area? Yes (No) Name _____

7. Is the well located in T. 1N, R. 3E, Sec. 20, 21, 28, 29? Yes (No) If Yes...call, E-mail and send cc of IR to DEQ

8. Requested Use & Rate: 2 wells / Irrig on 121.22 AC Initial Fill & Main. of Ponds Ponds under R-7017 & R-7018 (Ponds A, B, C & D)
IR 700 gpm = 1.56 cfs

9. Season requested by applicant: March 1 thru October 31 Total of 3.12 cfs 700 gpm - for Initial fill & maintain of Res

10. Allowed under Basin Program? Yes (No) OAR 690-502-160(2)
Limitations? Yes (No) Storage Season: Nov. 1 thru June 30 - OAR 690-502-040 (4)(a)

11. Withdrawn? Yes (No) Season Allowed: Limited MAX "Q" for IR
To 121.22 AC \div 80 = 1.52 cfs
< Requested - 1.56 cfs or 700 gpm > (682 gpm)

N/A 12. Water Availability: 80% _____ 50% _____ N/A

13. For Irrigation: Rate 1/80 Duty 2 1/2 Season March 1 - Oct 31

N/A 14. For Nursery or Cranberry: Rate _____ Duty _____ Season _____

★ - get Res Info for 4-ponds ★

10-4-00
~~Copy~~
COPY
from Apple
R-70117

Amount
Stored for
Irrigation

Res. #1(A) = 6.4 AF
Res. #5(B) = 6.4 AF
Res. #6(C) = 5.8 AF
Res. #8(D) = 1.5 AF

Amount
Stored for
Recreation

Res. #1(A) = 2.7 AF
Res. #5(B) = 2.7 AF
Res. #6(C) = 2.5 AF
Res. #8(D) = 5.9 AF

STATE OF OREGON
COUNTY OF CLACKAMAS

PERMIT TO CONSTRUCT A RESERVOIR AND TO
STORE FOR BENEFICIAL USE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ISHIHARA USA CORPORATION
121 SW SALMON STREET, SUITE 1100
PORTLAND, OREGON 97204

503-228-6300

to construct RESERVOIRS 1 THROUGH 8 and store the waters of UNNAMED STREAM 1 FOR RESERVOIRS 1 AND 2, UNNAMED STREAM 2 FOR RESERVOIRS 3 AND 4 AND BEAVER CREEK FOR RESERVOIRS 5 THROUGH 8 AND, tributaries of WILLAMETTE RIVER, to be appropriated under Application 70118, Permit 51274, for IRRIGATION AND RECREATION.

This Permit to store waters is issued approving Reservoir Application R-70117. The date of priority is NOVEMBER 9, 1989 FOR 18.9 ACRE-FEET (AF) AND JUNE 27, 1991 FOR 29.5 AF. The amount of water entitled to be stored each year is not more than 48.4 AF, BEING 6.4 AF in RESERVOIR 1, 0.3 AF in RESERVOIR 2, 6.2 AF in RESERVOIR 3, 0.6 AF in RESERVOIR 4, 6.4 AF in RESERVOIR 5, 5.8 AF in RESERVOIR 6, 0.3 AF in RESERVOIR 7, 1.5 AF in RESERVOIR 8 FOR IRRIGATION AND 2.7 AF IN RESERVOIR 1, 1.2 AF IN RESERVOIR 2, 2.7 AF IN RESERVOIR 3, 2.2 AF IN RESERVOIR 4, 2.7 AF IN RESERVOIR 5, 2.5 AF IN RESERVOIR 6, 1.0 AF IN RESERVOIR 7 AND 5.9 AF IN RESERVOIR 8 FOR RECREATION.

The dams will be located as follows:

DAM 1 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 1.3 acre and the maximum depth of water will be 10.0 feet.

DAM 2 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 0.2 acre and the maximum depth of water will be 10.0 feet.

DAM 3 - NE 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 1.2 acre and the maximum depth of water will be 10.0 feet.

DAM 4 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 0.3 acre and the maximum depth of water will be 10.0 feet.

DAM 5 - NE 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 1.8 acre and the maximum depth of water will be 10.0 feet.

DAM 6 - NE 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 1.1 acre and the maximum depth of water will be 10.0 feet.

DAM 7 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 0.2 acre and the maximum depth of water will be 10.0 feet.

DAM 8 - NW 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.
The area submerged by the reservoir, when full, will be 0.9 acre and the maximum depth of water will be 10.0 feet.

The area to be submerged by the reservoirs is located within:

NW 1/4 NE 1/4
NE 1/4 NW 1/4
NW 1/4 NW 1/4
SECTION 21

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

PAGE TWO

The storage of water allowed herein is subject to the installation and maintenance of an outlet pipe, or the provision of other means to evacuate water when determined necessary by the Water Resources Director to satisfy prior downstream rights.

Actual construction work shall begin on or before August 12, 1992, and shall be completed on or before October 1, 1993. The reservoir shall be filled, and complete application of the stored water to the use shall be made on or before October 1, 1994.

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 storage of water allowed herein may be made only at times when sufficient water is available to satisfy all prior rights, including rights for maintaining instream flows.

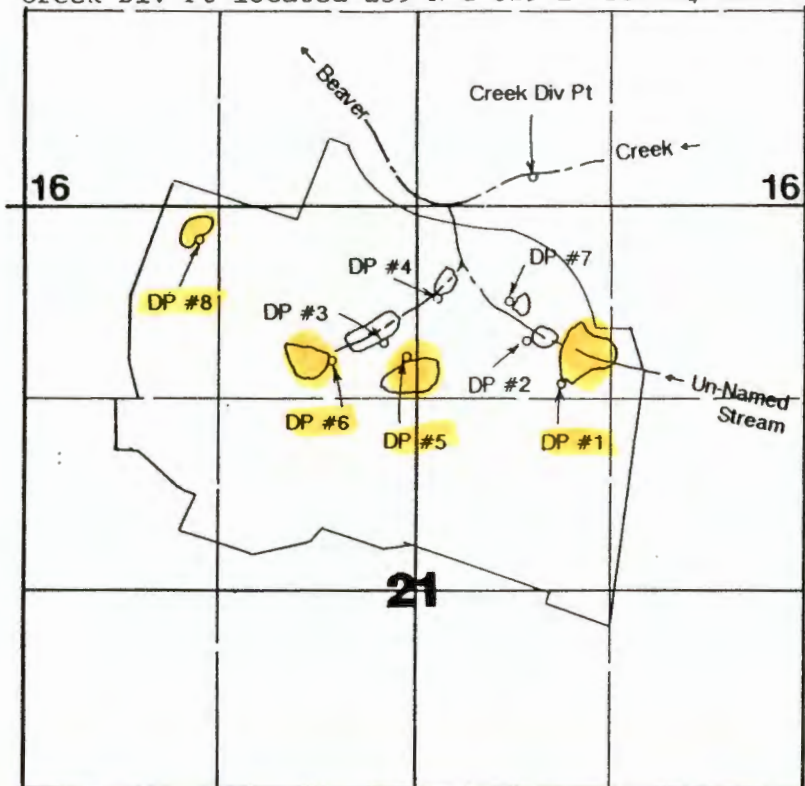
Issued this date, AUGUST 12, 1991.

William H. Young
Water Resources Department
William H. Young
Director

Existing
Ponds under
Appl. # R-70117

T.3S., R.2E., W.M.

Creek Div Pt located 235'N & 815'E from N $\frac{1}{4}$ corner Section 21.



COPY 10-4-00
From
Appl. # R-70117

1" = 1320'

RECEIVED

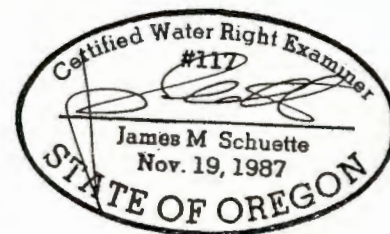
JUN 27 1991

WATER RESOURCES DEPT
SEASIDE, OREGON

- Pond A = ● Div Pt #1 located 1225'S & 980'E from N $\frac{1}{4}$ corner Section 21.
 Div Pt #2 located 925'S & 750'E from N $\frac{1}{4}$ corner Section 21.
 Div Pt #3 located 950'S & 200'W from N $\frac{1}{4}$ corner Section 21.
 Div Pt #4 located 650'S & 150'E from N $\frac{1}{4}$ corner Section 21.
 Pond B = ● Div Pt #5 located 1020'S & 50'W from N $\frac{1}{4}$ corner Section 21.
 Pond C = ● Div Pt #6 located 1050'S & 550'W from N $\frac{1}{4}$ corner Section 21.
 Div Pt #7 located 650'S & 600'E from N $\frac{1}{4}$ corner Section 21.
 Pond D = ● Div Pt #8 located 220'S & 1450'W from N $\frac{1}{4}$ corner Section 21.

Ishihara USA Corp.

Application Map



Application #: R-70117

Permit #: R-11390

10-4-00
COPY

70118
Appl #S-70118

Total -
2.22 cfs

Being:

2.2 cfs - Beaver Creek

for Irrig. of
176.3 Ac.

0.01 cfs - Unm Str. #1
0.01 cfs - Unm Str. #2

for Reservoir
Maintenance
for Recreation

Max Q - could be
Allowed

$176.3 \div 80 = 2.2$ cfs

- Received Max
from Beaver
Creek.

STATE OF OREGON

COUNTY OF CLACKAMAS

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ISHIHARA USA CORPORATION
121 SW SALMON STREET, SUITE 1100
PORTLAND, OREGON 97204

503-228-6300

to use the waters of BEAVER CREEK, AN UNNAMED STREAM AND RESERVOIRS 1 THROUGH 8 TO BE CONSTRUCTED UNDER APPLICATION R-70117, PERMIT R-11390, tributaries of WILLAMETTE RIVER, for IRRIGATION OF 176.2 ACRES AND RECREATION (golf hazards and aesthetic value).

This Permit is issued approving Application 70118. The date of priority is NOVEMBER 9, 1989. The use is limited to not more than 2.22 CUBIC FEET PER SECOND, being 2.20 cfs from BEAVER CREEK for irrigation and 0.01 CFS FROM UNNAMED STREAM 1 AND 0.01 CFS FROM UNNAMED STREAM 2 for maintaining reservoirs for RECREATION, or its equivalent in case of rotation, measured at the point of diversion from the source.

The points of diversion are located as follows:

BEAVER CREEK - SW 1/4 SE 1/4, SECTION 16, T 3 S, R 2 E, W.M.; 235 FEET NORTH AND 815 FEET EAST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 1 AND UNNAMED STREAM 1 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 1225 FEET SOUTH AND 980 FEET EAST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 2 AND UNNAMED STREAM 1 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 925 FEET SOUTH AND 750 FEET EAST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 3 AND UNNAMED STREAM 2 - NE 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 950 FEET SOUTH AND 200 FEET WEST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 4 AND UNNAMED STREAM 2 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 650 FEET SOUTH AND 150 FEET EAST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 5 - NE 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 1020 FEET SOUTH AND 50 FEET WEST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 6 - NE 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 1050 FEET SOUTH AND 550 FEET WEST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 7 - NW 1/4 NE 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 650 FEET SOUTH AND 600 FEET EAST FROM N 1/4 CORNER, SECTION 21.

RESERVOIR 8 - NW 1/4 NW 1/4, SECTION 21, T 3 S, R 2 E, W.M.; 220 FEET SOUTH AND 1450 FEET WEST FROM N 1/4 CORNER, SECTION 21.

The permittee shall install, operate and maintain all fish screening and bypass devices required by the Oregon Department of Fish and Wildlife to prevent fish entering any diversion of water created by this appropriation.

The permittee shall not install, operate or maintain any barrier to fish passage.

The permittee shall only divert water from Beaver Creek when flow is sufficient to maintain a flow of 1.5 cubic feet per second (cfs) in Beaver Creek past the point of diversion for this appropriation.

APPLICATION 70118

WATER RESOURCES DEPARTMENT

PERMIT 51274

Total Stored for Recreation in Ponds #1, #5, #6 & #8 (A,B,C,D)
 $13.8 \text{ AF} \times 0.01 \text{ cfs} = 0.138 \text{ cfs}$ - could be Max allowed for Res. Main

PAGE TWO

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 2.5 acre-feet per acre for each acre irrigated during the irrigation season of each year from direct flow and storage.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the proposed place of use under the Permit is as follows:

SW 1/4 SW 1/4 1.5 ACRES

SE 1/4 SW 1/4 6.0 ACRES

SECTION 16

NE 1/4 NE 1/4 2.2 ACRES & RECREATION

NW 1/4 NE 1/4 29.6 ACRES & RECREATION

SW 1/4 NE 1/4 37.1 ACRES

SE 1/4 NE 1/4 3.4 ACRES

NE 1/4 NW 1/4 38.5 ACRES & RECREATION

NW 1/4 NW 1/4 15.1 ACRES & RECREATION

SW 1/4 NW 1/4 8.8 ACRES

SE 1/4 NW 1/4 32.3 ACRES

NE 1/4 SE 1/4 0.1 ACRE

NW 1/4 SE 1/4 1.6 ACRES

SECTION 21

TOWNSHIP 3 SOUTH, RANGE 2 EAST, W.M.

Actual construction work shall begin on or before August 12, 1992, and shall be completed on or before October 1, 1993. Complete application of the water to the use shall be made on or before October 1, 1994.

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 granted herein may be made only at times when sufficient water is available to satisfy all prior rights, including rights for maintaining instream flows.

Issued this date, AUGUST 12, 1991.

William H. Young
Water Resources Department
William H. Young
Director

APPLICATION 70118
BASIN 2
70118.SCB

WATER RESOURCES DEPARTMENT
VOLUME 16 Beaver Creek & Misc.
MGMT.CODE 5AW, 3AW

PERMIT 51274
DISTRICT 16

COPY
APPL
S-70118

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number 70118

COPY 10-4-01
Appel S-70118

Final Order
Extension of Time for Permit Number 51274

Appeal Rights

This is a final order in other than contested case. Pursuant to ORS 536.075 and OAR 137-004-080 and OAR 690-01-005, you may either petition the Director for reconsideration of this order or petition for judicial review of this order. As provided in ORS 536.075, this order is subject to judicial review under ORS 183.484. Any petition for judicial review of the order must be filed within the 60 day time period specified by ORS 183.484(2).

Application History

On SEPTEMBER 11, 1997, CLACKAMAS COUNTY submitted an application to the Department for an extension of time for permit number 51274. The Department issued Permit number 51274 on AUGUST 12, 1991. The permit called for completion of construction of the water development project by October 1, 1993 and complete application of water to the full beneficial use by October 1, 1994. In accordance with OAR 690-320-0010(8), on OCTOBER 26, 1999, the Department issued a Proposed Final Order proposing to extend the time to complete development of the water development project to October 1, 2004, and/or the time to fully apply water to beneficial use to October 1, 2004. The protest period closed DECEMBER 10, 1999. No protest was filed.

The permittee must submit a written progress report to the Department by October 1, 2001. The report must be received by the Department not sooner than 90 days prior to the due date. The permittee's report must describe in detail the work done each year since the last extension was granted or the last progress report submitted. The report shall include:

- a) The amount of construction completed;
- b) The amount of beneficial use of water being made, including the total volume of water used, water used relative to the specific authorizations (types of use, acres irrigated, etc.) contained in the permit, and the percent of the total allowable water use that this represents;

A review of the permittee's compliance with terms and

PLACED IN U.S. MAIL

JAN 27 2000

WATER RESOURCES DEPT

db ✓
copies

COPY 10-4-00
Appel 8-70118

to full 1

DATED Jan

- d) conditions of the permit and/or previous extension; and
- d) Financial investments made toward developing the beneficial water use.

The Department will review the progress report to determine whether the permittee is exercising diligence towards completion of the project and complying with the terms and conditions of the permit and extension.

Failure to submit a progress report by the due date above will result in cancellation of the undeveloped portion of the permit by the Department pursuant to ORS 537.260 or 537.410 to 537.450. Within one year after cancellation, the permittee must submit a final proof survey pursuant to ORS 537.230 and 537.250.

If the Department finds that diligence is questionable, the Department may:

- a) request the permittee to submit additional information with which to evaluate diligence;
- b) apply additional conditions and performance criteria for perfection of the right; or
- c) cancel the undeveloped portion of the permit pursuant to ORS 537.260 or 537.410 to 537.450. The Department will grant the permittee a hearing on the cancellation, if one is requested.

In determining whether the permittee has been diligent, the Department will consider information submitted to the Department by the permittee and any information submitted during the 30-day public comment period following public notice of submittal of the progress report.

If information is received through the public notice process indicating that the applicant has not been diligent toward completing the project, and if the director determines there are significant disputes related to the use of water, the Department will conduct a hearing.

The applicant has demonstrated good cause for the permit extension pursuant to ORS 537.230, 537.248, 537.630 and 539.010(5) (as appropriate).

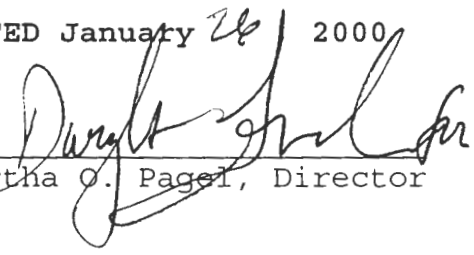
Order


The extension of time for Application 70118, Permit Number 51274, therefore, is approved. The deadline for completing construction is extended to October 1, 2004. The deadline for applying water

ion; and

to full beneficial use is extended to October 1, 2004.

DATED January 26 2000

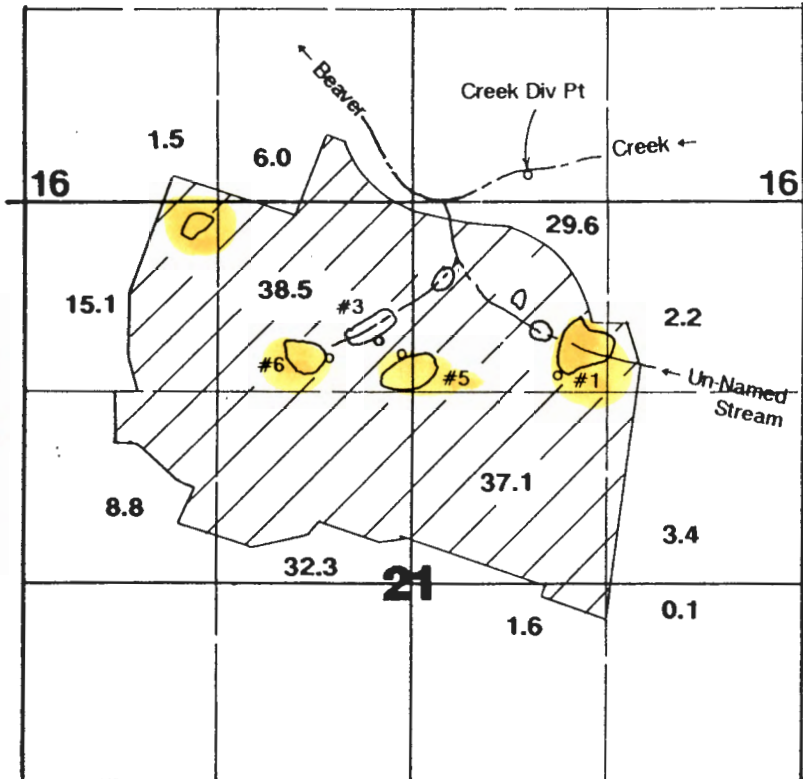

Martha O. Pagel, Director

10-4-00
COPY 
APPL
S-70118

T.3S., R.2E., W.M.

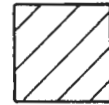
COPY 10-4-00
from App. # S-70118

Approx.
Place of
Use

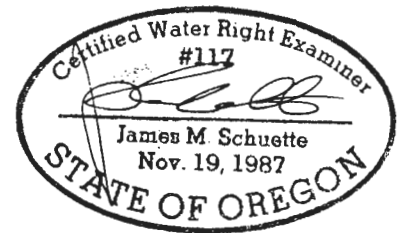


1" = 1320'

Area Irrigated



Creek Div Pt located 235'N & 815'E from N $\frac{1}{4}$ corner Section 21.
Div Pt #1 located 1225'S & 980'E from N $\frac{1}{4}$ corner Section 21.
Div Pt #3 located 950'S & 200'W from N $\frac{1}{4}$ corner Section 21.
Div Pt #5 located 1020'S & 50'W from N $\frac{1}{4}$ corner Section 21.
Div Pt #6 located 1050'S & 550'W from N $\frac{1}{4}$ corner Section 21.



Ishihara USA Corp.

RECEIVED

JUN 27 1991

Application Map

Application #: 70118

Permit #: 51274

THIS MAP WAS PREPARED FOR THE PURPOSE OF IDENTIFYING THE LOCATION OF A WATER RIGHT ONLY AND IS NOT INTENDED TO PROVIDE LEGAL DIMENSIONS OR LOCATION OF PROPERTY OWNERSHIP LINES.

RECEIVED

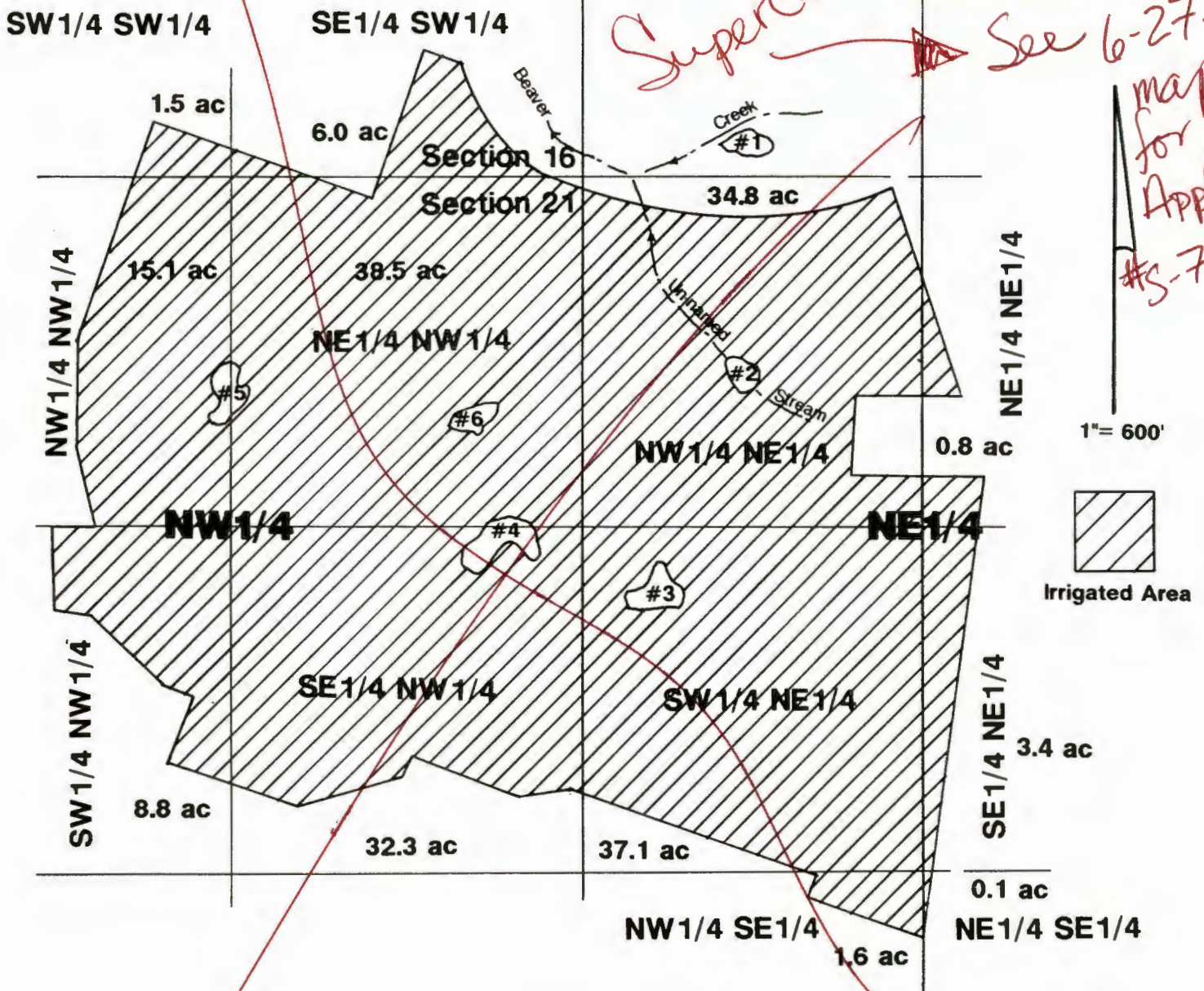
T.3S., R.2E., W.M.

NOV 09 1989

WATER RESOURCES DIV
SALEM, OREGON

Superseded

*See 6-27-91
map
for
Appl
#S-70118*



Joan Hill

Application Map

Application # 70118

Permit #

51274



NOTE: Map is for the purpose of identifying location of water right and has no intent to dimension or locate property ownership lines.

requiring efficiency measures. These drainages include, but are not limited to, the Coast Fork of the Willamette, Tualatin, Yamhill, Pudding, Rickreall Creek and Columbia Slough.

(8) Increase basinwide water use efficiency.

(9) Coordinate with the Northwest Power Planning Council in meeting the objectives of the "protected areas" designation when evaluating hydroelectric permit applications.

(10) Protect and encourage use of water which sustains economic development.

Stat. Auth.: ORS 536.220, 536.300, 536.310, 536.340, 536.410, 537.170, 537.356 & 537.358

Hist.: WRD 4-1992, f. & cert. ef. 3-13-92; WRD 12-1992, f. & cert. ef. 9-9-92

General Provisions

690-502-040 (1) Water availability: The classifications in OAR 690-502-050 through 690-502-150 limit access to natural streamflow during periods when remaining available supplies are insufficient to meet existing water rights and public instream uses 80 percent of the time. When improved water availability data show that there is insufficient natural flow to support a classification, any permit issued shall further restrict or condition the time of use to when water is available.

(2) Limited licenses: The uses of surface water for which limited licenses may be issued are prescribed in ORS 537.143(1). Applications for limited licenses may be accepted in the Willamette Basin unless expressly prohibited by statute, order of the State Engineer or the Commission, or by the classifications in OAR 690-502-050 through 690-502-150.

(3) Surface water applications: Applications to use surface water filed after April 18, 1991, shall be processed under the classifications established in OAR 690-502-050 through 690-502-150. Applications filed on or before April 18, 1991, shall be processed under the classification in effect at the time of the application.

(4) Storage:

(a) Unless expressly prohibited by statute, order or administrative rule, the surface waters of the Willamette River and tributaries are classified for storage from November 1 to June 30. A storage permit may be issued for a shorter time period and/or conditioned based on water availability or compatibility with other uses and needs;

(b) Secondary applications to maintain reservoir levels throughout the year may be processed if the proposed use is consistent with the classification;

(c) Water legally stored may be released or used at any time for any beneficial purpose, such as domestic, livestock, irrigation (during the irrigation season as specified in section (6) of this rule), agricultural, commercial, municipal, industrial, power, mining, recreation, fish life, wildlife, pollution abatement, wetland enhancement, public instream uses and uses allowed under a limited license.

(5) Groundwater recharge: Use of surface water to recharge groundwater shall be subject to the same limitations and season as specified in section (4) of this rule. Use of groundwater from one aquifer to recharge another shall be allowed only if consistent with the classification of the providing aquifer as specified in OAR 690-502-160.

(6) Expanded irrigation season: Unless expressly limited by statute, court decree, order, administrative rule (including classification, except for use of stored water), water availability or any other permit condition, an irrigation season of March 1 to October 31 shall apply to future permits for primary and supplemental irrigation.

(7) Conservation: The Department shall require that special conservation and water use efficiency conditions be employed when permitting the use of water from

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.

Stat. Auth.: ORS 536.300 & 536.340

Hist.: WRD 4-1992, f. & cert. ef. 3-13-92

Groundwater Classifications and Conditions

690-502-160 (1) Use of groundwater from the basalt aquifer within the Cooper-Bull Mountain Critical Groundwater Area shall be as described in the State Engineer's order designating the Cooper-Bull Mountain Critical Groundwater Area dated May 17, 1974.

(2) **Groundwater Classification:** The ground-water resources of the Willamette Basin are classified for domestic, livestock, irrigation, municipal, industrial, agricultural, commercial, power, mining, recreation, fish life, wildlife, pollution abatement, wetland enhancement and statutorily exempt groundwater uses with the following exceptions:

(a) Groundwater from the *shallow* Troutdale aquifer and the specially designated portion of the *deep* Troutdale aquifer in the Sandy-Boring area is classified for exempt uses only. The Sandy-Boring Groundwater Limited Area is as described and shown in Exhibit 1. Groundwater applications pending on October 4, 1991 shall be processed according to the classifications in effect on the date the application was filed and shall contain the Special Permit Conditions specified in section (4) of this rule. Applications may be rejected if the aquifer displays any of the adverse impacts defined in OAR 690-08. Applications submitted after October 4, 1991 shall be processed according to the requirements of these rules and classifications;

(b) Groundwater from the basalt aquifers in the Damascus, Glad Tidings, Kingston, Mt. Angel, Parrett Mountain, and Stayton-Sublimity areas, and the Troutdale aquifer in the Damascus area is classified for exempt uses only:

(A) The Damascus Groundwater Limited Area is as described and shown in Exhibit 2. The Glad Tidings Groundwater Limited Area is as described and shown in Exhibit 3. The Kingston Groundwater Limited Area is as described and shown in Exhibit 4. The Mt. Angel Groundwater Limited Area is as described and shown in Exhibit 5. The Parrett Mountain Groundwater Limited Area is as described and shown in Exhibit 9. The Stayton-Sublimity Groundwater Limited Area is as described and shown in Exhibit 7;

(B) Groundwater applications pending on October 4, 1991 shall be processed according to the classifications in effect on the date the application was filed. Permits may be issued for a period not to exceed five years and shall contain the Special Permit Conditions specified in section (3) of this rule. Permits may be extended for additional five-year periods if the Director finds that the groundwater resource can probably support the extended use. Applications may be rejected or permit or certificate extensions may be denied if the aquifer displays any of the adverse impacts defined in OAR 690-08. Applications submitted after October 4, 1991 shall be processed according to the requirements of these rules and classifications. Within two years of permit issuance, the applicant shall prepare a plan for the Water

Resources Commission which shall indicate the steps for obtaining an alternate long-term water supply.

(c)(A) Except as provided in paragraph (B) of this subsection, groundwater from the basalt aquifers in the Sherwood-Damascus-Wilsonville Groundwater Limited Area as described and shown in Exhibit 6 is classified for exempt uses only;

(B) Groundwater applications G-12155 (City of Sherwood) and G-13353 (Manke Lumber Co.) shall be processed according to the classifications in effect on the date the application was filed. Permits shall contain the Special Permit Conditions specified in Section (3) of this rule.

(d) Groundwater in the basalt aquifers in the Chehalem Mountain, Eola Hills and South Salem Hills Groundwater Limited Areas is classified for exempt uses, irrigation and rural residential fire protection systems only. Permits may be issued, for a period not to exceed five years, for fire protection and for drip or equally efficient irrigation provided the Director finds the proposed use and amount do not pose a threat to the groundwater resource or existing permit holders. The amount of water used for irrigation shall be further limited to one acre-foot per acre per year. Permits may be extended for additional five-year periods if the Director finds that the groundwater resource can probably support the extended use. Applications may be rejected or permit or certificate extensions may be denied if the aquifer displays any of the adverse impacts defined in OAR 690-08:

(A) The Chehalem Mountain Groundwater Limited Area is as described and shown in Exhibit 8. The Eola Hills Groundwater Limited Area is as described and shown in Exhibit 10. The South Salem Hills Groundwater Limited Area is as described and shown in Exhibit 11;

(B) Groundwater applications pending on October 4, 1991 shall be processed according to the classifications in effect on the date the application was filed. Permits may be issued for a period not to exceed five years and shall contain the Special Permit Conditions specified in section (3) of this rule. Permits may be extended for additional five-year periods if the Director finds that the groundwater resource can probably support the extended use. Applications submitted after October 4, 1991 shall be processed according to the requirements of these rules and classifications. Within two years of permit issuance, the applicant shall prepare a plan for the Water Resources Commission which shall indicate the steps for obtaining an alternate long-term water supply;

(e) Groundwater — Surface water hydraulic connection: These rules are in addition to the requirements of OAR 690-09. Groundwater in unconfined alluvium within 1/4 mile of the banks of a stream or surface water source is presumed to be in hydraulic connection with the surface water source, unless the applicant or appropriator provides satisfactory information or demonstration to the contrary. This hydraulically connected groundwater shall be classified the same as the surface source. This section shall not apply to those groundwater uses exempted by ORS 537.545. Notwithstanding such classification, permits may be issued for the use of water from a well in an unconfined aquifer that is hydraulically connected to groundwater, within a quarter mile of a stream, provided that surface water impacts are mitigated through storage releases.

(3) Special Columbia River Basalt Group Aquifer Permit Conditions: New permits issued to appropriate groundwater from Columbia River Basalt Group aquifers shall be specially conditioned. The conditions shall specify:

(a) A static water level measurement be made and submitted before any use of water may commence at the well;

(b) The permittee/appropriator install a meter or other suitable measuring device approved by the Director and submit an annual report of water used to the Department;

(c) Limits on acceptable amounts of depletion and interference with other users;

(d) Use of water from the well be controlled or shut off if limits specified in the permit to protect the resource from depletion, and prior appropriators from interference, are exceeded;

(e) The Department shall determine, from measurements submitted by the permittee/ appropriator, or other data on file in the department, the initial and subsequent water levels from which the previously cited declines are referenced;

(f) Following the issuance of a permit, the permittee/appropriator shall measure the water levels in the permitted well each year between March 1 and March 31 (spring high-water level) and submit the data to the Department within 90 days of measurement. Water level measurements shall be made by a certified water rights examiner, licensed water well driller, licensed pump installer, registered geologist, licensed land surveyor, registered professional engineer or the permittee/appropriator;

(g) Any other conditions derived from OAR 690-08 as deemed necessary to protect the groundwater resource.

(4) Special Permit Conditions: New permits issued to appropriate groundwater from aquifers within the Sandy-Boring Groundwater Limited Area and the Troutdale aquifer in the Damascus Groundwater Limited Area shall be specially conditioned. The conditions shall specify:

(a) A static water level measurement be made and submitted before any use of water may commence at the well;

(b) Limits on acceptable amounts of depletion and interference with other users;

(c) Use of water from the well be controlled or shut off if limits specified in the permit to protect the resource from depletion, and prior appropriators from interference, are exceeded;

(d) The Department shall determine, from measurements submitted by the permittee/ appropriator, or other data on file in the department, the initial and subsequent water levels from which the previously cited declines are referenced;

(e) Following the issuance of a permit, the permittee/appropriator shall measure the water levels in the permitted well each year between March 1 and March 31 (spring high-water level) and submit the data to the Department within 90 days of measurement. Water level measurements shall be made by a certified water rights examiner, licensed water well driller, licensed pump installer, registered geologist, licensed land surveyor, registered professional engineer or the permittee/appropriator;

(f) Any other conditions as specified in OAR 690-08 as deemed necessary to protect the groundwater resource.

[ED. NOTE: The Exhibit(s) referenced in this rule is not printed in the OAR Compilation. Copies are available from the Water Resources Department.]

Stat. Auth.: ORS Ch. 536 & 537

Hist.: WRD 4-1992, f. & cert. ef. 3-13-92; WRD 12-1993, f. & cert. ef. 9-9-92; WRD 3-1994, f. & cert. ef. 3-10-94, WRD - 1994, f. & cert. ef. 11-7-94

Application	Permit	Certificate	Status	NE				NW				SW				SE				Govt Lot		DLC
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			
G 6228	G 6728			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
7/13/1973				MU	MU	MU	MU	MU	MU	MU	MU	MU	M	M	MU	MU	MU	MU	MU			
S 12230	S 8621	9717									6.000											
7/30/1928											1*											
G 15189														0.230	2.820			0.430				
7/21/2000														IR	IR			IR				
S 22595	S 17917	20458								16.600												
6/2/1947		53								IR												
S 23607	S 18804	20457	Cncl'd							8.000												
2/1/1949		53								IR (s)												
		53						1.800		13.000												
2/1/1949								IR		IR												
								cncl'd		cncl'd												
S 23607	S 18804	75455								8.000												
2/1/1949		53								IR (s)												
		53						0.700		8.600												
2/1/1949								IR		IR												
S 24575	S 20193	24118																	0.300			
4/5/1950																			IR			
4/5/1950																						
S 70118	S 51274											1.500	6.000									
11/9/1989												IR	IR									

NCR - muni

- Subject File

NCR - Pou on other side of Road.

- some of same lands - Ext. of Time
- same Applicant - Appl G 15189

may have to be suppl (partially)

Notes: Primary is to be assumed. (s) indicates supplemental Rights assumed non-canceled.

Type of Use >

Acres	
Status	

< Supplemental indicator

Plat Card Report for 3S 2E 16

10/4/2000

Page 2 of 2

Application	Permit	Certificate	Status	NE				NW				SW				SE				Govt Lot		DLC
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			
P 78040																						
12/29/1994																						
S 80438				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
6/13/1995				MU	MU	MU	MU	MU	MU	MU	MU	M	M	MU	MU	MU	MU	MU	MU			
S 80465				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
6/15/1995				MU	MU	MU	MU	MU	MU	MU	MU	M	M	MU	MU	MU	MU	MU	MU			

Notes: Primary is to be assumed. (s) indicates supplemental
 - Rights assumed non-canceled.

Type of Use >

Acres
<input type="text"/>
Status

< Supplemental indicator

Application	Permit	Certificate	Status	NE				NW				SW				SE				Govt Lot		DLC
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			
G 5347	G 5289		Cncld											2.000								
10/21/1970														IR								
G 6228	G 6728			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
7/13/1973				MU	MU	MU	MU	MU	MU	MU	MU	MU	M	M	MU	MU	MU	MU	MU			
G 6674	G 6227	45140																2.000				
9/27/1974																		IR				
G 15189				0.500	33.270	25.060	0.810	31.170	9.340	2.480	15.110											
7/21/2000				IR	IR	IR	IR	IR	IR	IR	IR											
S 15345	S 11286	11427		0																		
4/30/1934				DO																		
S 26291	S 20636	23460		8.200			16.800															
8/10/1951				IR			IR															
R 32129	R 2113	28049												0								
2/17/1958														IR								
S 32130	S 25347	28048												8.000								
2/17/1958														IR								
R 70117	R 11390			0				0	0													
				IR				IR	IR													
S 70118	S 51274			2.200	29.600	37.100	3.400	38.500	15.100	8.800	32.300					0.100	1.600					
11/9/1989				IR	IR	IR	IR	IR	IR	IR	IR					IR	IR					

✓NCR-muni

- Subject File

✓NCR → House (Pou) on other side of Road

✓NCR⁴⁷ → other side of Road

✓NCR- Associated Reservoir

~~RES- Assoc. Reservoir~~

→ Some of the same lands - Ext. of Time
 * - Same Applicant - Appl G 15189 may have to be partially suppl.

Notes: Primary is to be assumed. (s) indicates supplemental

• Rights assumed non-canceled.

Type of Use >

Acres	
Status	

< Supplemental indicator

Plat Card Report for 3S 2E 21

10/4/2000

Page 2 of 2

Application	Permit	Certificate	Status	NE				NW				SW				SE				Govt Lot		DLC
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE			
S 80438	✓			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
6/13/1995	NCR - muni			MU	MU	MU	MU	MU	MU	MU	MU	MU	M	M	MU	MU	MU	MU	MU			
S 80465	✓			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
6/15/1995	NCR - muni			MU	MU	MU	MU	MU	MU	MU	MU	MU	M	M	MU	MU	MU	MU	MU			

Notes: Primary is to be assumed. (s) indicates supplemental
 Rights assumed non-canceled.

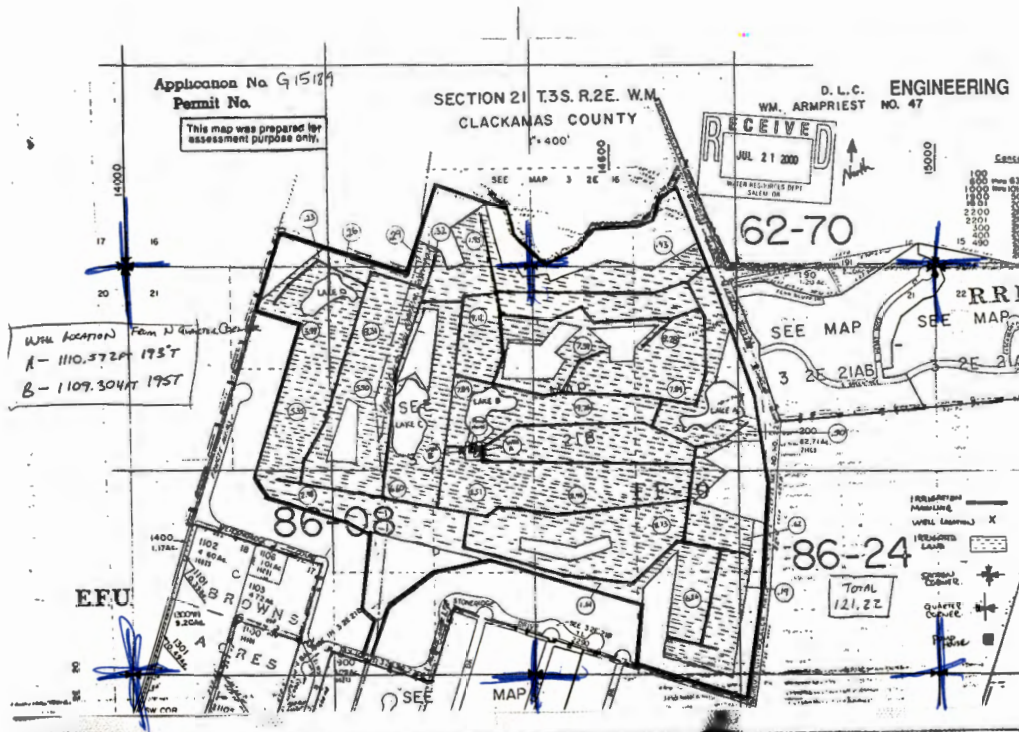
Type of Use >

Acres	
<input type="text"/>	<input type="text"/>
Status	

< Supplemental indicator

Scale
1" = 1320'

10-4-00



David Phipps
Golf Solutions LLC
PO Box 2980
Oregon City, OR 97045

facsimile transmittal

Appl. # G-15189

Make sure
to get on
public Notice
the following
Tuesday after
IR goes out.

Fax: 503 378-6203

Date: 8/24/2000

Pages: 1

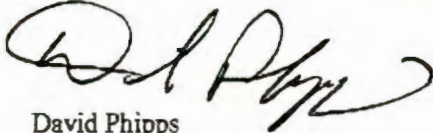
☐ Please Comment☐ Please Reply☐ Please Recycle

David Phipps

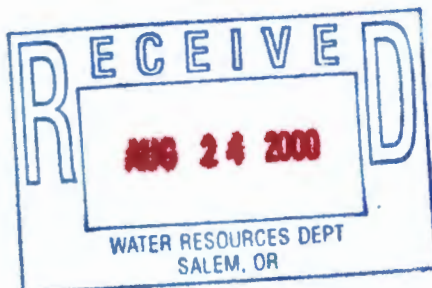
Ph# 503-
407-0749call after "Buy-Off"
so he knows IR is done

two week stop process on my well permit application #G15189.

Thank you,


David Phipps

Waiving
two - week
"Stop Processing"
period.



Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE == G-15189

ROUTED TO: WR's

TOWNSHIP/

RANGE-SECTION: 35/2E-21

CONDITIONS ATTACHED? ☒ yes ☐ no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: Don Well

Application No. **B** 15189
Permit No.

Water Resources Department

MEMO

August 15 ²⁰⁰⁰
199

TO Application G- 15189

FROM GW: Donna Miller
(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

Application No. G15189

Permit No.

TO: Water Rights Section

August 15, 199²⁰⁰⁰

FROM: Groundwater/Hydrology Section Don Miller

Reviewer's Name

SUBJECT: Application G- 15189

GROUNDWATER/SURFACE WATER CONSIDERATIONS

1. PER THE Willamette Basin rules, one or more of the proposed POA's is/is not within _____ feet/mile of a surface water source (_____) and taps a groundwater source hydraulically connected to the surface water.
Restriction not applicable
2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
- a. _____ will, or have the potential for substantial interference with the nearest
 - b. _____ will not surface water source, namely _____; or
 - ☒ c. will if properly conditioned, adequately protect the surface water from interference:
 - ☒ i. The permit should contain condition #(s) 7E;
 - ii. The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. The permit should be conditioned as indicated in item 4 below; or
 - d. will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that groundwater for the proposed use
- a. _____ will, or likely be available in the amounts requested without injury to prior rights
 - b. _____ will not and/or within the capacity of the resource; or
 - ☒ c. will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
 - ☒ i. The permit should contain condition #(s) 7E;
 - ii. The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. The permit should be conditioned as indicated in item 4 below; or
4. ☒ a. THE PERMIT should allow groundwater production from no deeper than _____ ft. below land surface;
- b. The permit should allow groundwater production from no shallower than _____ ft. below land surface;
- c. The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
- d. Well reconstruction is necessary to accomplish one or more of the above conditions.
- e. One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: _____

(Well Construction Considerations on Reverse Side)

Application No 615189

Permit No. _____

TO: Water Rights Section August 15, 2000
199
FROM: Groundwater/Hydrology Section Don Miller
SUBJECT: Application G- 15189 Reviewer's Name

GROUNDWATER/SURFACE WATER CONSIDERATIONS

1. PER THE Willamette Basin rules, one or more of the proposed POA's is/is not within _____ feet/mile of a surface water source (_____) and taps a groundwater source hydraulically connected to the surface water.
Restriction not applicable
2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
- a. _____ will, or _____ have the potential for substantial interference with the nearest
 - b. _____ will not _____ surface water source, namely _____; or
 - ☒ c. will if properly conditioned, adequately protect the surface water from interference:
 - ☒ i. The permit should contain condition #(s) 7E;
 - ii. _____ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. _____ The permit should be conditioned as indicated in item 4 below; or
 - d. _____ will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that groundwater for the proposed use
- a. _____ will, or _____ likely be available in the amounts requested without injury to prior rights
 - b. _____ will not _____ and/or within the capacity of the resource; or
 - ☒ c. will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
 - ☒ i. The permit should contain condition #(s) 7E;
 - ii. _____ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. _____ The permit should be conditioned as indicated in item 4 below; or
4. ☒ a. _____ THE PERMIT should allow groundwater production from no deeper than _____ ft. below land surface;
- b. _____ The permit should allow groundwater production from no shallower than _____ ft. below land surface;
- c. _____ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
- d. _____ Well reconstruction is necessary to accomplish one or more of the above conditions.
- e. _____ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: _____

(Well Construction Considerations on Reverse Side)

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

✓ 5. THE WELL which is the point of appropriation for this application 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) _____

✓ 6. THE WELL construction deficiency:

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

✓ 7. THE WELL construction deficiency is described as follows: _____

✓ 8. THE WELL

- a. ☐ was, or ☒ constructed according to the standards in effect at the time of
- b. ☐ was not ☒ original construction or most recent modification.
- c. ☐ I don't know if it met standards at the time of construction.

RECOMMENDATION:

A. ☐ I recommend including the following condition in the permit:

"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."

B. ☐ I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.

C. ☐ REFER this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit

_____, 199____
(Signature)

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons: _____

_____, 199____
(Signature)

MEMO

August 15, ²⁰⁰⁰~~199~~

FROM GK: Donna Miller
(Reviewer's Name)

SUBJECT Scenic Waterway Interference Evaluation

☐ Yes

The source of appropriation is within or above a Scenic Waterway.

☒ No☐ Yes

Use the Scenic Waterway condition (Condition 7J).

☒ No

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.

[illegible]

Water Right Conditions
Tracking Slip

Groundwater/Hydrology Section

FILE ## G-15189

ROUTED TO: WR'S

TOWNSHIP/

RANGE-SECTION: 35/2E-21

CONDITIONS ATTACHED? ☒ yes ☐ no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: Don Wall

WATER RESOURCES DEPARTMENT MEMORANDUM

TO: Groundwater/Hydrology Files

Date August 15, 2001

FROM: Donna Miller

SUBJECT: Groundwater Application G- 15189

Phone: _____

Name: Clackamas County

Applicant(s) seek 700 gpm (ds) from One well(s) in the Willamette R basin

Proposed use: Irrigation Beaver CK sub basin
121.22 AC sub basin

Pertinent 7 1/2-minute quads

Dragon City

Well A WRD# To Be Built T 35 R 2 E S 21 Q 00 ba County Clackamas

Legal Description 1110' 193° T from N. 1/4 Sec 21

Well is 1000 ft from Beaver CK (1) (river/stream)

Well is 900 ft from Unnamed trib (2) (river/stream)

Well elevation 430 ft River/stream elevation 360 390 ft

Well elevation-river/stream elevation 0 70' 40'

Well depth 1100'

SWL _____ on _____

Sealed to 650'

Depth first water found _____

Cased to 650'

Perforations/screens _____

Lined to _____

Perforations/screens _____

Well tests and types _____

Confined or unconfined? Confined

Hydraulically connected? NO

Potential to cause substantial interference? NO

Well B WRD# To Be Built T 35 R 2 E S 21 Q 00 ba County Clackamas

Legal Description 1109' 195° T from North Corn Sec 21

Well is _____ ft from _____ (river/stream)

Well is _____ ft from _____ (river/stream)

Well elevation _____ ft River/stream elevation _____ ft

Well elevation-river/stream elevation _____

Well depth 1100

SWL _____ on _____

Sealed to 650

Depth first water found _____

Cased to 650

Perforations/screens _____

Lined to _____

Perforations/screens _____

Well tests and types _____

Confined or unconfined? _____

Hydraulically connected? _____

Potential to cause substantial interference? _____

Conditioned water rights in area: yes

Other nearby water rights of record: yes

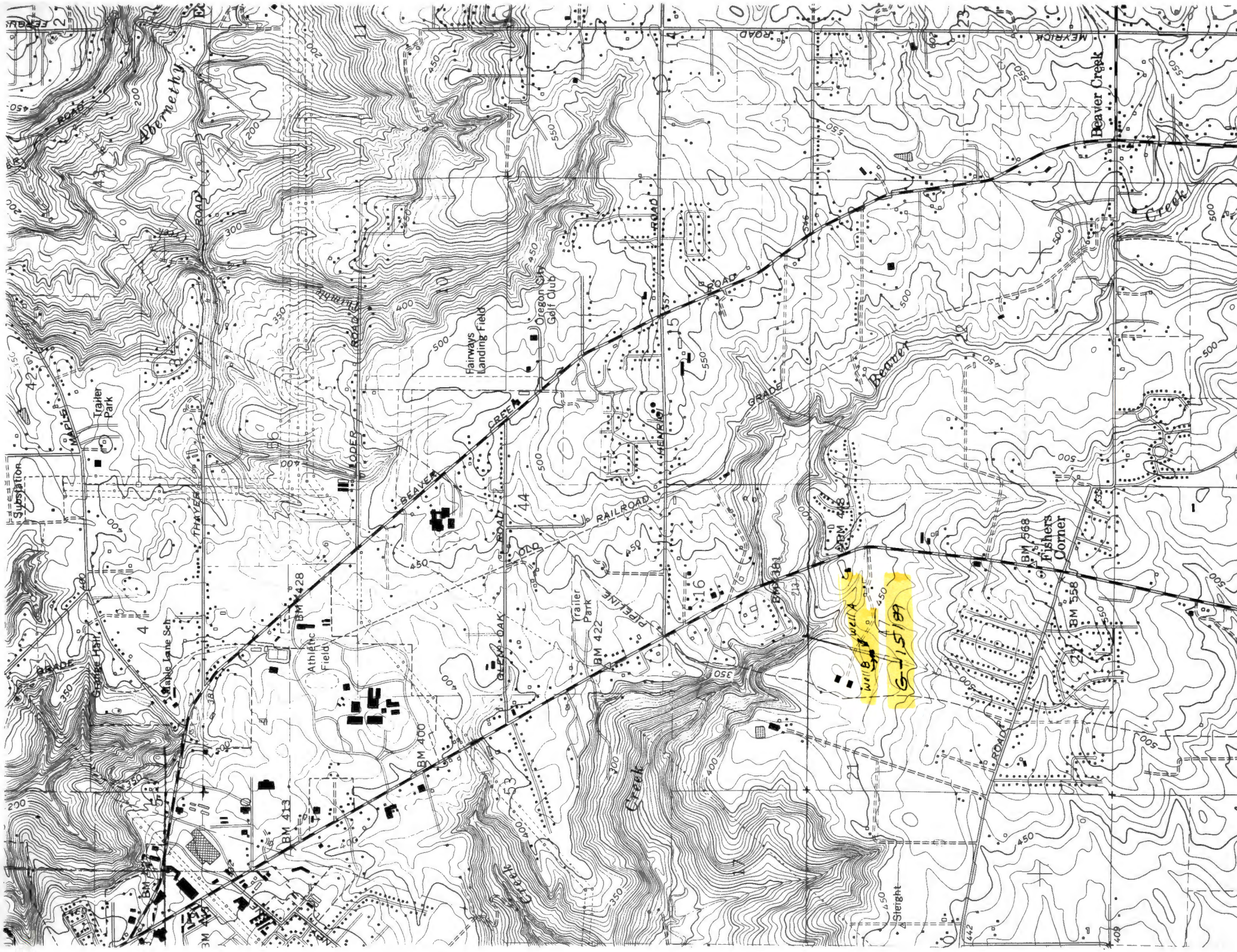
Density of nearby wells of record: moderate

Comments: This will be a deep basalt well (CRB). The USGS reports that basalt top is about -500 msf at this location. There aren't many basalt wells within a couple of miles. Water quality will not be the best.

SWL should be far below creek level.

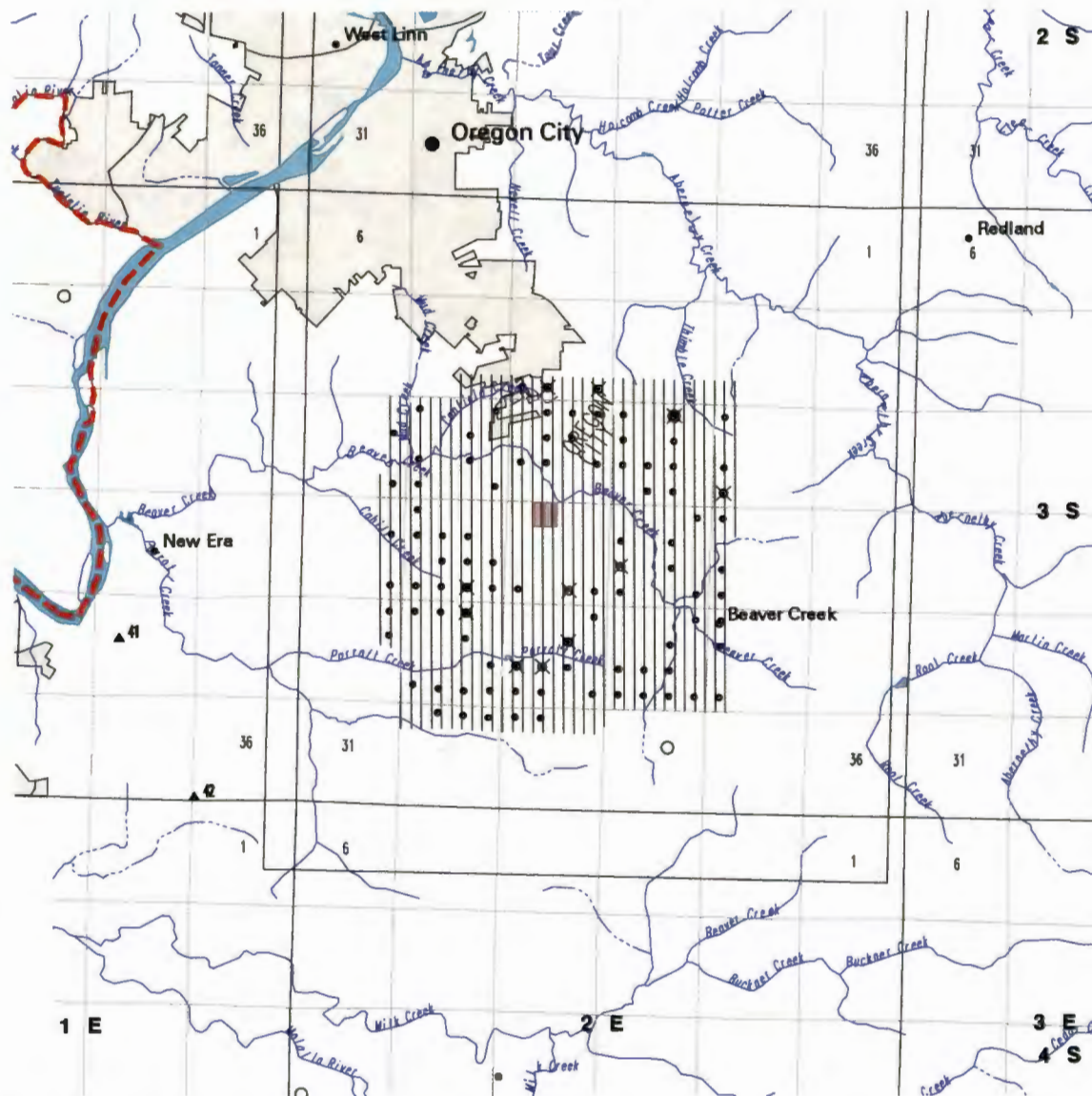
References used: USGS PP-1424-A, logs

details
like
A



Wells in the vicinity of application G 15189

- 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



WELLS WITHIN 1 MILE OF G 15189

DO 334
ID 10
IM 4
IR 20
MO 8

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 15189

\$RECNO	APPLICATION	PERMIT	LOC-QQ	USE	RATE	DIV-UNITS
1	G	704	G 972	3.00S 2.00E 9SESW IR	0.0300	C
2	G	6922	G 6441	3.00S 2.00E 9SESE IR	0.3200	C
2	G	6908	G 6685	3.00S 2.00E 9SESE AH	0.7800	C
2	G	6908	G 6685	3.00S 2.00E 9SESE IR	0.0600	C
3	G	12412	G 11317	3.00S 2.00E15NWNE IR	0.9900	C
4	G	6339	G 5944	3.00S 2.00E14SWSW IS	0.1300	C
5	G	8518	G 7864	3.00S 2.00E22NWSW IR	0.0900	C
6	GR	252	GR 235	3.00S 2.00E20SWSE IR	80.0000	G
7	G	6674	G 6227	3.00S 2.00E21SWSE IR	0.0300	C
8	G	4035	G 3784	3.00S 2.00E29NWNE IR	0.7600	C
9	G	6555	G 5694	3.00S 2.00E28SWNE IR	0.1400	C
9	G	6555	G 5694	3.00S 2.00E28SWNE IS	0.2800	C
10	G	5347	G 5289	3.00S 2.00E28NWSW IC	1.0500	C
11	G	2631	G 2454	3.00S 2.00E28NESW IS	0.0700	C

CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 15189

\$RECNO	APPLICATION	PERMIT	LOC-QQ	CONDITION-CODE
1	G	12224	G 11158	3.00S 1.00E10NWNE 4E
2	G	12412	G 11317	3.00S 2.00E15NWNE 4E
3	G	13406	G 11752	3.00S 2.00E34SWNE 4EG
3	G	13406	G 11752	3.00S 2.00E34SWNE 4EW
3	G	13406	G 11752	3.00S 2.00E34SWNE 4EG
3	G	13406	G 11752	3.00S 2.00E34SWNE 4EW
4	G	12884	G 11633	4.00S 1.00E15SESW 4GG
5	G	13538	G 11870	4.00S 2.00E18SWSW 4IG
5	G	13538	G 11870	4.00S 2.00E18SWSW 4IR
5	G	13538	G 11870	4.00S 2.00E18SWSW 4JG
5	G	13538	G 11870	4.00S 2.00E18SWSW 4JR

APPLICATION G 15189 FALLS WITHIN THESE QUAD(S)

OREGON CITY

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

\$RECNO	NAME1	NAME2	SUB-AREA	STATUS
1	SHERWOOD-WILSONVILLE			LIMI

Well Number

☐ Other☐ Thermal ☐ Injection ☐ OtherExplosives used ☒ Yes ☐ No Type DYNAMITE Amount 4 STICKS

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

☐ Other

Backfill placed from 50 ft. to 200+ ft. Material BENTONITE

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

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	12	+1	33	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	12	33	393	375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	10	+1.5	850	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 12"-393 10"-850

☐ Perforations Method NONE

☐ Perforations Method _____

☐ Screens Type _____ Material _____

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

[illegible]

Yield gal/min	Drawdown	Drill stem at	Time
410	280		1 hr.
380	284		50 HRS
200	133		72 HRS

Temperature of Water 71 Depth Artesian Flow Found

Was a water analysis done? ☒ Yes By whom DRILLER

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

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other NO

Depth of strata:

Street Address of Well (or nearest address) SAME

396 ft. below land surface. Date 3-8-93

Artesian pressure _____ lb. per square inch. Date _____

Depth at which water was first found 22

From	To	Estimated Flow Rate	SWL
933	1416	400+	396

Ground elevation

[illegible]

Westerberg Drilling, Inc.

36728 S. Kropf Rd.

Molalla, OR 97038

829-2526

Date started 7-7-92 Completed 3-8-93

(unbonded) Water Well Constructor Certification:

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

Signed Steven N. Stedeh WWC Number 688
Date 3-13-93

(bonded) Water Well Constructor Certification:

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

Signed Steven M. Stadel WWC Number 000
Date 3-13-93

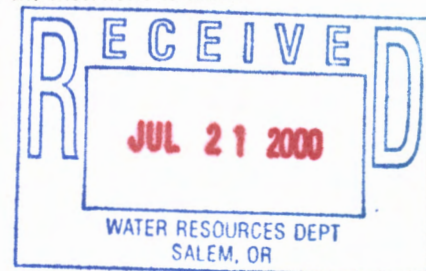


State of Oregon
Water Resources Department
158 12th Street NE, Salem, OR 97310
(503)378-8455 • (800)624-3199
www.wrd.state.or.us

Permit No. _____

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: CLACKAMAS County

Name and title of person applying: DAN ZINZER - PARKS & ENGINEERING MGR.

Mailing address of organization: 9101 S.E. Sunnybrook Blvd.
CLACKAMAS OR 97015
City State Zip

Phone: (503) 353-4661 657-2899 OR Dave Phipps 407-0749
Day Evening dcphipps@hotmail.com

*Fax: (503) 353-4659 *E-Mail address: DANZ@CO.CLACKAMAS.OR.US

*Optional information

App. No. <u>6-15189</u>	For Department Use	Date <u>7-21-00</u>
Permit No. _____		

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.*

0005 1 S JUL

*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: BEAVERCREEK

C. Distance from well(s) to nearest stream or lake: 1) 1300' TO BEAVERCREEK

2) 1300' TO BEAVERCREEK 3) _____ 4) _____

D. If distance from surface water is less than one mile, indicate elevation difference between nearest surface water and well head. 1) 70'

2) 70' 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: AMERICAN WELL DRILLING

Address: 8640 SW Hillsboro Hwy
Hillsboro OR 97123

Completion date: August 31, 2000

Application No. 615189

Permit No.

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	12"	12" STEEL .375	650	0	650	850	850	2" port hole	1100'
2	—	Same	as	above	—	—	—	—	—

F. Artesian Flows

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

N/A

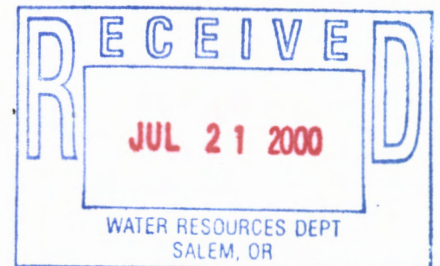
4. WATER USE

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



B. Amount of Water

Provide the production rate in gallons per minute (gpm) and the total annual amount of water you need from each well, from each source or aquifer, for each use. You do not need to provide source information if you are submitting a well log with your application.

Well No.	Source or aquifer	Type of use	Total rate of water requested (in gpm)	Total annual quantity (in gallons)	Production rate of well (in gpm)
1	BASALT Aquifer	IRRIGATION	700 600		700 600
2	BASALT Aquifer	IRRIGATION	700		700

C. Maximum Rate of Use Requested

What is the maximum, instantaneous rate of water that will be used? 600 NOT TO EXCEED 700
(The fees for your application will be based on this amount.)

INITIAL FILL AND MAINTAIN POND A, B, C, D
FOR AESTHETICS AND WETLAND CREATION + MAINTENANCE

AROUND LAKE AREAS

D. Period of Use

Indicate the time of year you propose to use the water: MARCH 1st - October 31st
(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: 121.22
(This number should be consistent with your application map.)

~~200~~ ACRES

5. WATER MANAGEMENT

A. Diversion

What equipment will you use to pump water from your well(s)?

- ☒ Pump (give horsepower and pump type) 100 hp submersible
☐ Other means (describe) _____

B. Transport

How will you transport water to your place of use?

- ☐ Ditch or canal (give average width and depth)
Width 10' - 12' Depth 1' - 2'
Is the ditch or canal to be lined? ☐ Yes ☐ No
- ☒ Pipe (give diameter and total length)
Diameter 6" Length 10'-20' TO POND
- ☐ Other (describe) _____

C. Application/Distribution Method

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

ELECTRIC CENTRIFUGAL PUMP / SPRINKLER IRRIGATION

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

- | | | |
|--|---|---|
| <input type="checkbox"/> Flood | <input checked="" type="checkbox"/> High-pressure sprinkler | <input type="checkbox"/> Low pressure sprinkler |
| <input type="checkbox"/> Drip | <input type="checkbox"/> Water cannons | <input type="checkbox"/> Center pivot system |
| <input checked="" type="checkbox"/> Hand lines | <input type="checkbox"/> Wheel lines | |
| <input type="checkbox"/> Siphon tubes or gated pipe with furrows | | |
| <input type="checkbox"/> Other, describe _____ | | |

Distribution method

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

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.

NIGHT IRRIGATION - Computerized Irrigation System (TBD) BASED
ON EVAPOTRANSPIRATION - (NOT USED WHEN RAINING)
Ponds will be designed to collect surface water for future use.

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.

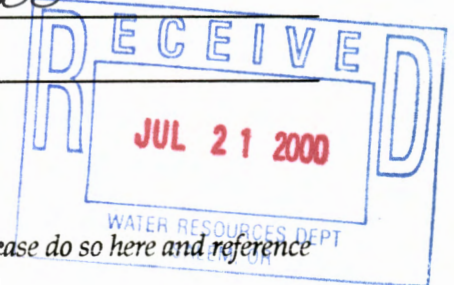
Proposed date construction will begin August 1, 2000

Proposed date construction will be completed August 31, 2000

Proposed date beneficial water use will begin Oct 1, 2000

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.



Application No 615189
Permit No. _____

8. MAP REQUIREMENTS

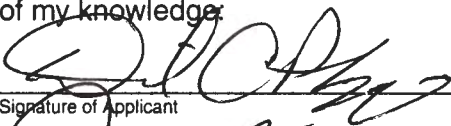
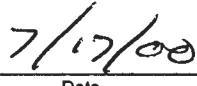
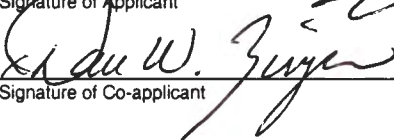

The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter/quarter section of the proposed well location and place of use. The map must provide tax lot numbers. See the map guidelines sheet for detailed map specifications.

9. SIGNATURE

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit to me, I may have to stop using water to allow senior water right holders to get water they are entitled to, and

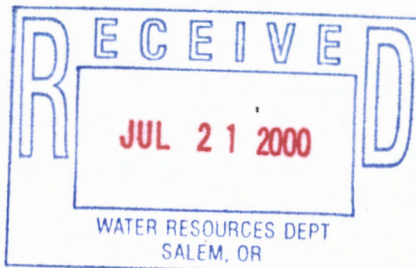
I swear that all information provided in this application is true and correct to the best of my knowledge.

	
Signature of Applicant	Date
	
Signature of Co-applicant	Date

Before you submit your application be sure you have:

- 0005 1 S JUL
- 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.

4
 AFTER RECORDING RETURN TO:
 Clackamas County



90* 90-90

903 Abernathy Rd.
 Oregon City OR 97045

Until a change is requested all tax statements shall be sent to the following address:

Same as above

Escrow No. 4500-29390-TW
 Order No. 144687

STATE OF OREGON 96-015508
 CLACKAMAS COUNTY
 Received and placed in the public records of Clackamas County
 RECEIPT# AND FEE: 32833 \$5.00
 DATE AND TIME: 03/05/96 11:15 AM
 JOHN KAUFFMAN, COUNTY CLERK

WARRANTY DEED - STATUTORY FORM
 (INDIVIDUAL or CORPORATION)

LANDMAX, INC.. a Missouri corporation

Application No 615189
 Permit No.

Grantor, conveys and warrants to CLACKAMAS COUNTY

Grantee, the following described real property free of encumbrances except as specifically set forth herein:

(XXXXXXXXXX) Lot 21, STONEGATE ESTATES, in the County of Clackamas and State of Oregon

This instrument will not allow use of the property described in this instrument in violation

county planning department to verify appropriate use and to determine any other use consistent against farming or forest practices as defined in ORS 30.930.

ENCUMBRANCES, subject to the powers of the Clackamas River Water District; Rights of the public and of governmental bodies in and to that portion of the premises herein described lying below the high water mark of Beaver Creek and an unnamed creek and waterways; Any adverse claims based upon the assertion that any portion of said land has been created by artificial means or has accreted to such portion so created; Rights established pursuant to ORS 274.905, et seq to all or any portion of the herein described premises created by artificial means; Easement recorded 11/6/59, Book 563, Pg. 258; Easement recorded 11/6/59, Book 563, Pg. 498; Easement recorded 11/6/59, Book 563, Pg. 510; Conditions imposed by File No. 477-85-C.S., dated 4/16/90, as disclosed by deed recorded 6/28/90, Fee No. 90-10887 & 90-10888; Limited access provisions recorded 7/7/92, Fee No. 92-41655; Rights of the public for use of 40 foot wide unimproved public roads as dedicated on the recorded plat of Browns Acres
 The true consideration for this conveyance is \$2,400,000.00

Dated March 3, 1996 ; if a corporate grantor, it has caused its name to be signed by order of its board of directors.

Robert H. Thorne, President
 Landmax, Inc.

CIRCA 1991 POSTAL SERVICE

C144687

Missouri
STATE OF OREGON, County of St. Louis) ss.

95-015508

This instrument was acknowledged before me on March 3, 1996, by

Bodney H. Thomas

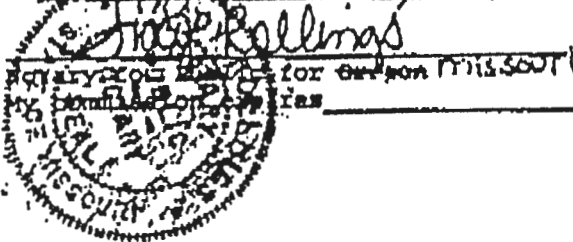
This instrument was acknowledged before me on

March 3

, 1996

of Robert H. Thomas
President

as President



TRACY ROLLINGS
Notary Public - Notary Seal
STATE OF MISSOURI
St. Charles County
My Commission Expires: March 19, 1999

901 51 5000

BEFORE THE BOARD OF COUNTY COMMISSIONERS
OF CLACKAMAS COUNTY, STATE OF OREGON

CLACKAMAS COUNTY
FILED

In the Matter of dedicating 165 acres of
property known as Stonegate Farms for
Park and Recreation Purposes.

Order No. 96-200
Page

MAR 24 1996

JOHN KAUFFMAN, County Clerk
By [Signature] Deputy

This matter coming before the Board of
County Commissioners at this time and it appearing to the Board that on March 5, 1996 Clackamas
County purchased 165 acres of property known as Stonegate Farms, south of Oregon City for Parks &
Recreation purposes; and

IT FURTHER APPEARING to the Board that, the
Parks Plan 2000 and the Clackamas County Parks Advisory Board have identified a goal of developing
revenues sources outside of County General Fund to secure future parks capital improvements and
acquisitions; and

IT FURTHER APPEARING to the Board that, the
Parks Plan 2000 as adopted by the Clackamas County Park Advisory Board has identified park shortages
in the property area; and

IT FURTHER APPEARING to the Board that, the
acquisition of this property helps fulfill the identified shortage of park properties in this area; and

IT FURTHER APPEARING to the Board that, it is
in the best interest of the citizens of Clackamas County to work towards fulfilling deficiencies in park and
recreation provision; and

IT IS HEREBY ORDERED that the above
described property known as Stonegate Farms be dedicated Clackamas County Park and Recreation
property.

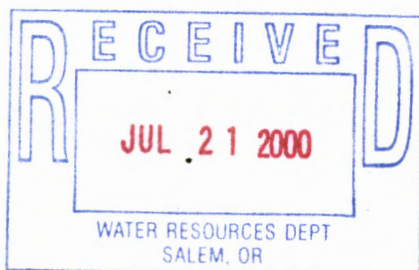
Dated this 21 day of March, 1996

[Signature]
Darlene Hooley, Chair

N/A

Ed Lindquist, Commissioner

[Signature]
Judie Hammerstad, Commissioner



Application No. 615189
Permit No.

262 - 428

Receipt for Request for Land Use Information

Name of water right applicant: CLACKAMAS County

This receipt must be signed by a local government representative and returned to the applicant at the time they present this form. This receipt must be included in the application for a water right permit if the local government cannot provide the requested land use information while the applicant waits.

City or County: CLACKAMAS County

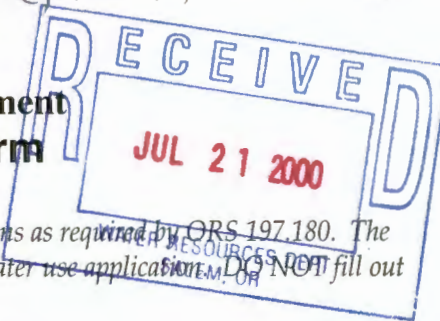
Staff contact: DAN ZINZER Phone: 353-4661

Signature:  Date: 7-11-00



Application No G 15179

Permit No.

Oregon Water Resources Department
Land Use Information Form

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. ApplicantName: CLACKAMAS CountyAddress: 9101 SE SunnybrookCity: CLACKAMAS State: OR Zip: 97015 Day Phone: 353-4661**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)		
352621B 2190	RR-10	<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used
		<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used
		<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used

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

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): GOLF COURSE IRRIGATION

Briefly describe: _____

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:

675 ☐ 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); _____ . 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:	
CONDITIONAL USE	ZOO § 1203	<input checked="" type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued

Note: Please attach documentation of applicable local land use approvals which have already been obtained. (Record of Action plus accompanying findings is sufficient.)

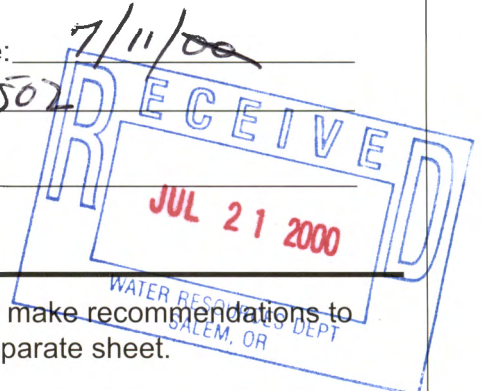
B. Approval

Please provide printed name and written signature.

Name: DOUGLAS M. MCCLAIN Date: 7/11/00

Title: PLANNING DIRECTOR Phone: 353-4502

Signature: [Handwritten Signature]



C. Additional Comments

Local governments are invited to express special land use concerns or make recommendations to the Department regarding this proposed use of water below, or on a separate sheet.

All applicable land use permits have been
approved

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.)



Oregon Water Resources Department

FORM I FOR IRRIGATION WATER USE

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

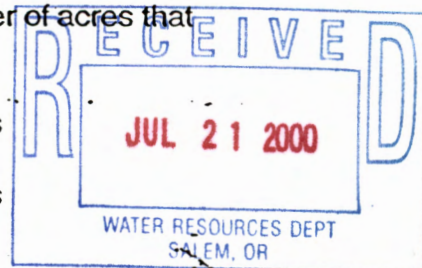
☒ Primary ☐ Supplemental

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

Primary: 121.22 ~~100~~ 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. GOLF COURSE ☐ Full season ☒ Partial season (from: MARCH to OCT)

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:

65,170,200 ^{6M} acre-feet 200 ^{ACRE FEET}
(1 acre-foot equals 12 inches of water spread over one 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: _____

Application No. 6 15139
Permit No. _____

0009/011

WATER RIGHTS/NWR

3503 378 6203

10/10/00 14:30

LAKE A - STORM WATER RETENTION/WETLANDS
LAKE B - 341,225 CF DEPTH - 7 FEET
LAKE C - 524,130 CF DEPTH - 7 FEET
LAKE D - 304,810 CF DEPTH - 8 FEET

* Are these lands included
of 0.43 acres for the

Application No. G 15174
Permit No.

This map was prepared for
assessment purpose only.

SECTION 21 T.3S. R.2E. W.M.
CLACKAMAS COUNTY

D.L.C. ENGINEER
WM. ARMPRIEST NO. 47

RECEIVED
JUL 21 2000
WATER RESOURCES DEPT
SALEM, OR

North

62-70

Well location From N Quarter Corner
A - 1110.572 AT 173°T
B - 1109.304 AT 195°T

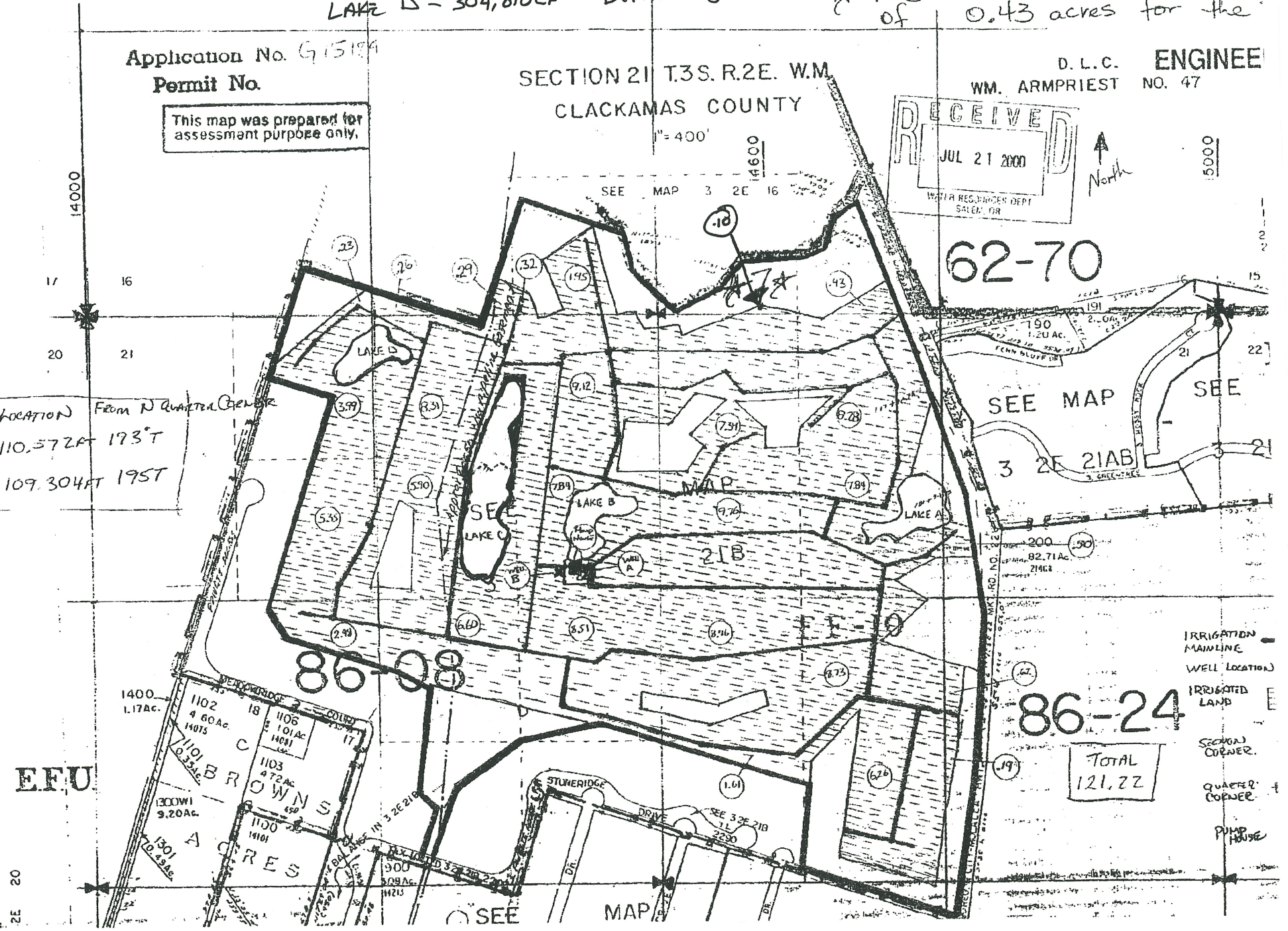
EFU

86-08

86-24

TOTAL
121.22

IRRIGATION
MAINLINE
WELL LOCATION
IRRIGATED
LAND
SECTION
CORNER
QUARTER
CORNER
PUMP
HOUSE



STATE OF OREGON
WATER RESOURCES DEPARTMENT

RECEIPT # **105873**

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

INVOICE # _____

RECEIVED FROM: Total Golf

BY: Management

CASH: ☐ CHECK: # 4947 ☒ OTHER: (IDENTIFY) _____

APPLICATION	<u>615189</u>
PERMIT	
TRANSFER	

TOTAL REC'D \$ 150.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES \$ _____
OTHER: (IDENTIFY) \$ _____

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

4270 WRD OPERATING ACCT

MISCELLANEOUS

0407 COPY & TAPE FEES \$ 46111
0410 RESEARCH FEES \$ _____
0408 MISC REVENUE: (IDENTIFY) \$ _____
TC162 DEPOSIT LIAB. (IDENTIFY) \$ _____
0240 EXTENSION OF TIME \$ _____

WATER RIGHTS:

0201 SURFACE WATER EXAM FEE \$ _____ 0202 RECORD FEE \$ _____
0203 GROUND WATER \$ _____ 0204 \$ _____

0205 TRANSFER \$ _____

WELL CONSTRUCTION

0218 WELL DRILL CONSTRUCTOR EXAM FEE \$ _____ 0219 LICENSE FEE \$ _____
LANDOWNER'S PERMIT 0220 \$ _____

0200 OTHER (IDENTIFY) 10811 \$ 150.00

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE \$ _____ CARD # _____
0210 MONITORING WELLS \$ _____ CARD # _____

OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FW/WRD) \$ _____
0231 HYDRO LICENSE FEE (FW/WRD) \$ _____
HYDRO APPLICATION \$ _____

TREASURY OTHER / RDX

FUND _____ TITLE _____

OBJ. CODE _____ VENDOR # _____

DESCRIPTION \$ _____

RECEIPT: **105873**

DATED: 5-31-12 BY: RR

Distribution - White Copy - Customer, Yellow Copy - Fiscal, Blue Copy - File, Buff Copy - Fiscal

C02

FILE#: G 15189

9 13947

COUNTY OF CLACKAMAS; ZINZER, DAN
9101 SE SUNNYBROOK BLVD
CLACKAMAS, OR 97015