

Checklist for Claims of Beneficial Use Received at CSG Counter

Application # S-72558	WRD Reviewer <i>Cay M.</i>
Transfer #	
Date Received 3/12/2011	
CWRE Name Marc Van Camp.	

Priority Date: 7/14/1992
Fees Required:

YES NO A fee of \$200 must accompany this form for permits with priority dates of July 9, 1987, or later.

YES NO A fee of \$200 must accompany this form for any transfers including a water right with a priority date of July 9, 1987, or later.
 Example – A transfer involves 5 rights and one of the rights has a priority date of July 9, 1987, or later, the fee is required.

Fill in App or Transfer Number

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))

Report Review:

- On form 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)
- CWRE stamp and signature (OAR 690-014-0100)
- Signature(s) of all permittee of transfer holder (OAR 690-014-0100)

MONEY SLIP

DATE: _____ RECEIPT #: _____

RECEIVED FROM:	APPLICATION PERMIT TRANSFER	
CASH <input type="checkbox"/> CHECK # _____ OTHER (IDENTIFY) _____	TOTAL RECD: \$ _____	
1083 TREASURY 4178 MISC CASH ACCT.		
0407 COPIES _____ OTHER (IDENTIFY) _____	\$ _____	
0243 Instrum Lease _____ 0244 Min Water Mgmt Plan _____ 0245 Cons Water _____		
1083 TREASURY 4270 WRD OPERATING ACCT.		
MISCELLANEOUS		
0407 COPY & TAPE FEES <i>4611</i>	\$ _____	
0410 RESEARCH FEES	\$ _____	
0408 MISC REVENUE (IDENTIFY)	\$ _____	
TC142 DEPOSIT LAB. (IDENTIFY)	\$ _____	
0243 EXTENSION OF TIME	\$ _____	
WATER RIGHTS	EXAM FEE	RECORD FEE
0201 SURFACE WATER	\$ _____	0202 \$ _____
0203 GROUND WATER	\$ _____	0204 \$ _____
0205 TRANSFER	\$ _____	
WELL CONSTRUCTION	EXAM FEE	RECORD FEE
0218 WELL DRILL CONSTRUCTION	\$ _____	0219 \$ _____
LANDOWNER'S FEASIT	\$ _____	0220 \$ _____
0200 OTHER (IDENTIFY) <i>COBU</i>	\$ _____	<i>3202.00</i>
0407 TREASURY 0487 HYDROELECTRIC		
0233 POWER LICENSE FEE (PWWRD)	LIC NUMBER	\$ _____
0235 HYDRO LICENSE FEE (PWWRD)		\$ _____
HYDRO APPLICATION		\$ _____

SPECIAL INSTRUCTIONS:

RETURN TO APPLICANT - LETTER ATTACHED

Groundwater File Review: *MA*

Pump Test Required? YES NO Pump Test Submitted? YES NO*

*If no, include pump test flyer w/acknowledgment letter

* address change *

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



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.oregon.gov/OWRD

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

A separate form shall be completed for each permit.

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

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at:
<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

Go to "Resources for Water Right Examiners (CWRE)" Page
<https://www.oregon.gov/OWRD/programs/WaterRights/COBU/Pages/default.aspx>
The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

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

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

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
<https://www.oregon.gov/OWRD/programs/WaterRights/RA/Pages/default.aspx>

**SECTION 1
GENERAL INFORMATION**

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1. File Information:

APPLICATION # S-72558	PERMIT # S-53983	PERMIT AMENDMENT # N/A
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2. Property Owner (current owner information):

APPLICANT/BUSINESS NAME Cut Creek Water Improvement District		PHONE NO. 541-347-4423	ADDITIONAL CONTACT NO.
ADDRESS 89286 Cranberry Lane			
CITY Bandon	STATE OR	ZIP 97411	E-MAIL Russell.cna@gmail.com

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

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

PERMIT HOLDER OF RECORD		
ADDRESS		
CITY	STATE	ZIP

ADDITIONAL PERMIT HOLDER OF RECORD		
ADDRESS		
CITY	STATE	ZIP

4. Date of Site Inspection:

08/26/2019 & 12/18/2020

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

NAME	DATE	ASSOCIATION WITH THE PROJECT
Alan Cram	08/26/2019	District President
Carol Russel	08/26/2019	District Treasurer
Charlie Ruddell	12/18/2020	District Member

6. County:

Coos

7. If any property described in the place of use of the permit final order is excluded from this report, identify the owner of record for that property (ORS 537.230(5)):

OWNER OF RECORD		
ADDRESS		
CITY	STATE	ZIP

Add additional tables for owners of record as needed

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**SECTION 2
SIGNATURES**

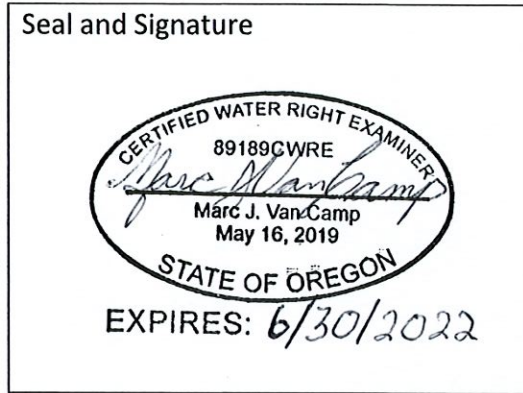
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CWRE Statement, Seal and Signature

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



CWRE NAME Marc J. Van Camp		PHONE NO. 541-297-1880	ADDITIONAL CONTACT NO.
ADDRESS PO Box 995			
CITY Coos Bay	STATE OR	ZIP 97420	CITY Coos Bay

Permit Holder of Record Signature or Acknowledgement

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

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

SIGNATURE	PRINT OR TYPE NAME	TITLE	DATE
<i>Alan Cram</i>	Alan Cram	President - Cut Creek Water Improvement District	<i>2/27/20</i>

SECTION 3

CLAIM DESCRIPTION

1. Point of diversion name or number:

POINT OF DIVERSION (POD) NAME OR NUMBER (CORRESPOND TO MAP)
POD 1

2. Point of diversion source and tributary:

POD NAME OR NUMBER	SOURCE	TRIBUTARY
1	Chrome Reservoir	Cutt Creek thence Pacific Ocean

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

POD NAME OR NUMBER	USES	IF IRRIGATION, LIST CROP TYPE	SEASON OR MONTHS WHEN WATER WAS USED	ACTUAL RATE OR VOLUME USED (CFS, GPM, OR AF)
1	Supplemental Cranberry Operation		Year Round	0.8 CFS
Total Quantity of Water Used				0.8 CFS

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

From POD 1 at Chrome Reservoir a 75 HP turbine pump diverts water through an 8" subgrade mainline adjacent to Randolph Lane Westerly to an auxiliary 25 HP pump. After the 25 HP pump there are numerous laterals that break off the mainline to supply all primary rights shown. In general, from the 25 HP pump the 8" mainline goes under Highway 101, thence Southerly for a half mile where it branches into two lines, one heading Easterly, the other heading Southerly. At this point the mainline decreases from 8" line into 6" and 4" lines. The mainline system delivers water to bulges/reservoirs within the district that are associated with corresponding primary rights, and the primary rights infrastructure delivers water from these bulges/reservoirs to the cranberry bogs.

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

5. Variations:

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

YES

(e.g. "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 207.89 supplemental acres, 207.0 acres have been developed for supplemental use. The acreage per Quarter-Quarter is different, as shown in Attachment: Permitted vs. Developed Acres.

6. Claim Summary:

POD NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
1	0.8 CFS	1.18	1.4 CFS	Supplementa l Cranberry Operation	207.89	207.0

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SECTION 4
SYSTEM DESCRIPTION

Are there multiple PODs?

NO

If "YES" you will need to copy and complete a separate Section 4 for each POD.

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

POD 1

A. Place of Use

1. Is the right for municipal use?

NO

If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
27	14	W.M.	33	SE-SE			Cranberry		20.7
27	14	W.M.	34	NE-SW			Cranberry		0
27	14	W.M.	34	SE-SW			Cranberry		0
27	14	W.M.	34	SW-SW			Cranberry		21.2
28	14	W.M.	3	NW-NW	4		Cranberry		12.3
28	14	W.M.	3	SW-NW			Cranberry		15.1
28	14	W.M.	3	NE-SW			Cranberry		6.5
28	14	W.M.	3	NW-SW			Cranberry		5.8
28	14	W.M.	4	NE-NE			Cranberry		15.2
28	14	W.M.	4	NW-NE			Cranberry		0
28	14	W.M.	4	SE-NE			Cranberry		24.0
28	14	W.M.	4	SW-NE			Cranberry		10.3
28	14	W.M.	4	NE-SE			Cranberry		10.2
28	14	W.M.	4	NW-SE			Cranberry		17.97
28	14	W.M.	4	SW-SE			Cranberry		2.88
28	14	W.M.	4	SE-SW			Cranberry		23.6
28	14	W.M.	4	SW-SW			Cranberry		6.2
28	14	W.M.	8	NE-NE			Cranberry		9.15
28	14	W.M.	8	SE-NE			Cranberry		4.0
28	14	W.M.	4	NW-SW			Cranberry		0.2
28	14	W.M.	9	NW-NW			Cranberry		1.7
Total Acres Irrigated									207.0

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

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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 to the place of use.

1. Is a pump used?

YES

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

2. Pump Information:

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Michell Lewis, Staver	9RCLC	n/a	Submersible - 75 HP	6"	8"
Cornell Pump Co.	4RB-2.5-4	80434 10.75	Centrifugal - 25 HP	8"	8"

3. Motor Information:

MANUFACTURER	HORSEPOWER
Michell Lewis, Staver	75 HP
Marathon Electric	25 HP

4. Theoretical Pump Capacity:

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
75HP	60	8'	172	1.59
25HP	55	0	0	1.18

5. Provide pump calculations:

Please see Attachment: Pump Capacity Calculations
 Observed Totalizing Flow Meter's instantaneous flow reading at 639 gpm or 1.42cfs, being unfamiliar with functionality the meter readings were not recorded.

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)
1.42cfs			1.42cfs

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

7. Is the distribution system piped?

YES

If "NO" items 8 through item 13 may be deleted.

8. Mainline Information:

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8"	11,500'	PVC	Buried
4"	6,950'	PVC	Buried

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9. Lateral or Handline Information:

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

10. Sprinkler Information:

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

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

11. Drip Emitter Information:

SIZE	OPERATING PSI	EMITTER OUTPUT (GPM)	TOTAL NUMBER OF EMITTERS	MAXIMUM NUMBER USED	TOTAL EMITTER OUTPUT (CFS)

12. Drip Tape Information:

DRIPPER SPACING IN INCHES	GPM PER 100 FEET	TOTAL LENGTH OF TAPE	MAXIMUM LENGTH OF TAPE USED	TOTAL TAPE OUTPUT (CFS)	ADDITIONAL INFORMATION

13. Pivot Information:

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

C. Storage

1. Does the distribution system include in-system storage (e.g. 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
 Bulge in System / Reservoir

NO

YES

Complete appropriate table(s), 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)
Chrome Reservoir	6'	10.8

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D. Gravity Flow Pipe

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

1. Does the system involve a gravity flow pipe?

NO

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

E. Gravity Flow Canal or Ditch

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

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system?

NO

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

F. Additional notes or comments related to the system:

The mainline system delivers water to the associated primary certificate's system where it is used for cranberry operations. System's flow capacity is over the permitted amount to satisfy other primary rights. The mainline system delivers water to bulges/reservoirs within the district that are associated with corresponding primary rights.

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**SECTION 5
CONDITIONS**

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

1. Time Limits:

Permits and 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 was to be completed. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit or permit extension of time:

	DATE FROM PERMIT	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	11/24/2003		
BEGIN CONSTRUCTION (A)	N/A	10/1/1977	Preexisting distribution system from permit S44930
COMPLETE CONSTRUCTION (B)	N/A	10/1/1977	Preexisting distribution system from permit S44930
COMPLETE APPLICATION OF WATER (C)	10/01/2008	10/1/2007	Installed totalizing flow meter, fish ladder and staff gauge completed and inspected by ODFW.

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

2. Is there an extension final order(s)?

NO

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

3. Measurement Conditions:

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

YES

If "NO", items b through f 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.

b. Has a meter been installed?

YES

c. Meter Information

POD NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
POD 1	Data Industries	N/A	Working	1.4 CFS	*See note

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

***The current meter was installed in April 2019, after the previous meter failed. This is the fifth meter the district has installed, all previous meters never lasted more than 3 years. The original meter was installed before 10/1/2007.**

4. Recording and reporting conditions:

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

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

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

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

5. Fish Screening:

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

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

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

b. Has the fish screening been installed? **YES**

c. When was the fish screening installed?

DATE	BY WHOM
Prior to 11/24/2003	Unknown to Cutt Creek Water Improvement District. Installer hired, managed, and paid for by Bandon Dunes Golf Resort.

Reminder: If the permit was issued on or after February 1, 2011, the fish screen is required to be approved by the Oregon Department of Fish and Wildlife regardless of the rate of diversion.

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d. If the diversion **involves a pump and** the **total** diversion rate of all rights at the point of diversion is less than 225 gpm (0.5 cfs) and the permit was issued prior to February 1, 2011:

- Has the self-certification form previously been submitted to the Department? **NA**

If not, go to <https://www.oregon.gov/OWRD/Forms/Pages/default.aspx> complete and attach a copy of the 'ODFW Small Pump Screen Self Certification' form to this claim, and send a copy of it to the Oregon Department of Fish and Wildlife (ODFW).

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. The ODFW self certification form needs to have been previously submitted or be attached to this form.

e. If the diversion does **not involve a pump or** the **total** diversion rate of all rights at the point of diversion is 225 gpm (0.5 cfs) or greater:

- Has the ODFW approval been previously submitted? **NA**

If not, contact and work with ODFW to ensure compliance. To demonstrate compliance, provide signed documentation from ODFW. A form is available at:

<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. In order to receive a favorable approval, the ODFW/WRD "Fish Screen Inspection" form needs to have been previously submitted or be attached to this form.

6. 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? **YES**

If "NO", items b and c 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.

b. Have by-pass devices been installed? **YES**

c. Describe the diversion works as related to whether a by-pass device is installed or unnecessary:

(Provide a letter from ODFW indicating the device is approved or is unnecessary. If there is no letter from ODFW, explain whether or not a by-pass device is necessary.)

DESCRIPTION (E.G. "ODFW HAS APPROVED THE BY-PASS DEVICE" OR "NO BY-PASS DEVICE IS NECESSARY BECAUSE THERE IS A DIRECT DIVERSION FROM THE STREAM VIA A PUMP ON RIVER LEFT STREAM BANK WITH FOOT VALVE DESCENDING DIRECTLY INTO NATURAL POOL.") IN ADDITION, YOU MAY ATTACH PHOTOS TO THIS CLAIM.	IF INSTALLED (DATE)	IF INSTALLED, BY WHOM
ODFW has approved the fish ladder, the water district did not have a written approval, the district claims they received approval from ODFW.	11/24/2003	Unknown to Cutt Creek Water Improvement District. Installer hired, managed, and paid for by Bandon Dunes Golf Resort.

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

- a. Was the water user required to restore the riparian area if it was disturbed? **NO**
- b. Was a fishway required? **NO**
- c. Was submittal of a water management and conservation plan required? **NO**
- d. 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 6
ATTACHMENTS**

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

ATTACHMENT NAME	DESCRIPTION
CBU Map	Claim of Beneficial Use Map
Permitted vs. Developed Acres	Permitted vs. Developed acres by quarter quarter.
Pump Capacity Calculations	OWRD Pump Capacity Calculator 75 & 25 HP
Fish Ladder Pictures	Pictures of fish ladder installed on Cut Creek

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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 predominant survey method was GPS, however some traversing with chain and compass was done in areas of dense overbrush that degraded GPS accuracy. OWRD's online water right database was used to research and confirm primary water rights.

Map Checklist

Please be sure that the map you submit includes ALL the items listed below.
(Reminder: Incomplete maps and/or claims may be returned.)

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

Nylan Lopez

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Permitted vs. Developed Acres

T.	R.	Sec.	Q	Q	Water Right	Acres	Water Right	Acres	Water Right	Acres	Water Right	Acres	Water Right	Acres	Water Right	Acres	TOTAL	\$53983	
27S		33	SE	SE	93417	5.10	39491	15.60									20.70	17.5	
		34	NE	SW	NO WATER RIGHTS														3.4
		34	SE	SW	NO WATER RIGHTS														7.73
		34	SW	SW	76165	21.20												21.20	22.97
28S	14W	3 (GL4)	NW	NW	76165	6.20	35933	6.10									12.30	13	
		3	SW	NW	32273	9.90	67077	4.70	86668	0.50							15.10	12.17	
		3	NE	SW					86668	6.50							6.50	5.71	
		3	NW	SW			67077	4.30	86668	1.50							5.80	3.33	
		4	NE	NE	39491	1.60	35933	13.60									15.20	16.34	
		4	NW	NE	NO WATER RIGHTS														1.58
		4	SE	NE	G12052	1.30	G13433	0.10	29950	1.60	55657	10.50	65884	8.00	66020	2.50	24.00	23.72	
		4	SW	NE	G13433	4.00	G13433	5.20	G13433	4.00					66020	1.10	10.30	10.03	
		4	NE	SE			93741	6.36	29950	1.70	37081	1.80	G11045	0.14	66020	0.20	10.20	4.14	
		4	NW	SE	32420	2.00	93741	7.11	S50974	8.50	37081	0.20	G11045	0.16			17.97	11.33	
		4	SW	SE			93741	1.88	S50974	1.00							2.88	2.64	
		4	SE	SW	66869	23.60												23.60	22.1
		4	SW	SW	66869	0.40	60575	5.20	65417	0.60							6.20	9.76	
		8	NE	NE	19530	2.95	89551	1.50	65417	4.70							9.15	14.03	
		8	SE	NE					65417	4.00							4.00	5.03	
4	NW	SW			60575	0.20									0.20	0.3			
9	NW	NW					65417	1.70							1.70	0.81			
																Total	207.00	207.62	

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Pump Capacity Calculation Sheet - 25HP

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 = 25
Efficiency = 6.61
Lift = 0
PSI = 55

Results Calculated

(hp)(efficiency) = 165.25
Head based on psi = 139.7
Total dynamic head = 139.7
(head + lift)

Pump Capacity = 1.18 feet per second

Pump Capacity Calculation Sheet - 75HP

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 = 75
Efficiency = 7.04
Lift = 180
PSI = 60

Results Calculated

(hp)(efficiency) = 528
Head based on psi = 152.4
Total dynamic head = 332.4
(head + lift)

Pump Capacity = 1.59 feet per second

Fish Ladder Pictures



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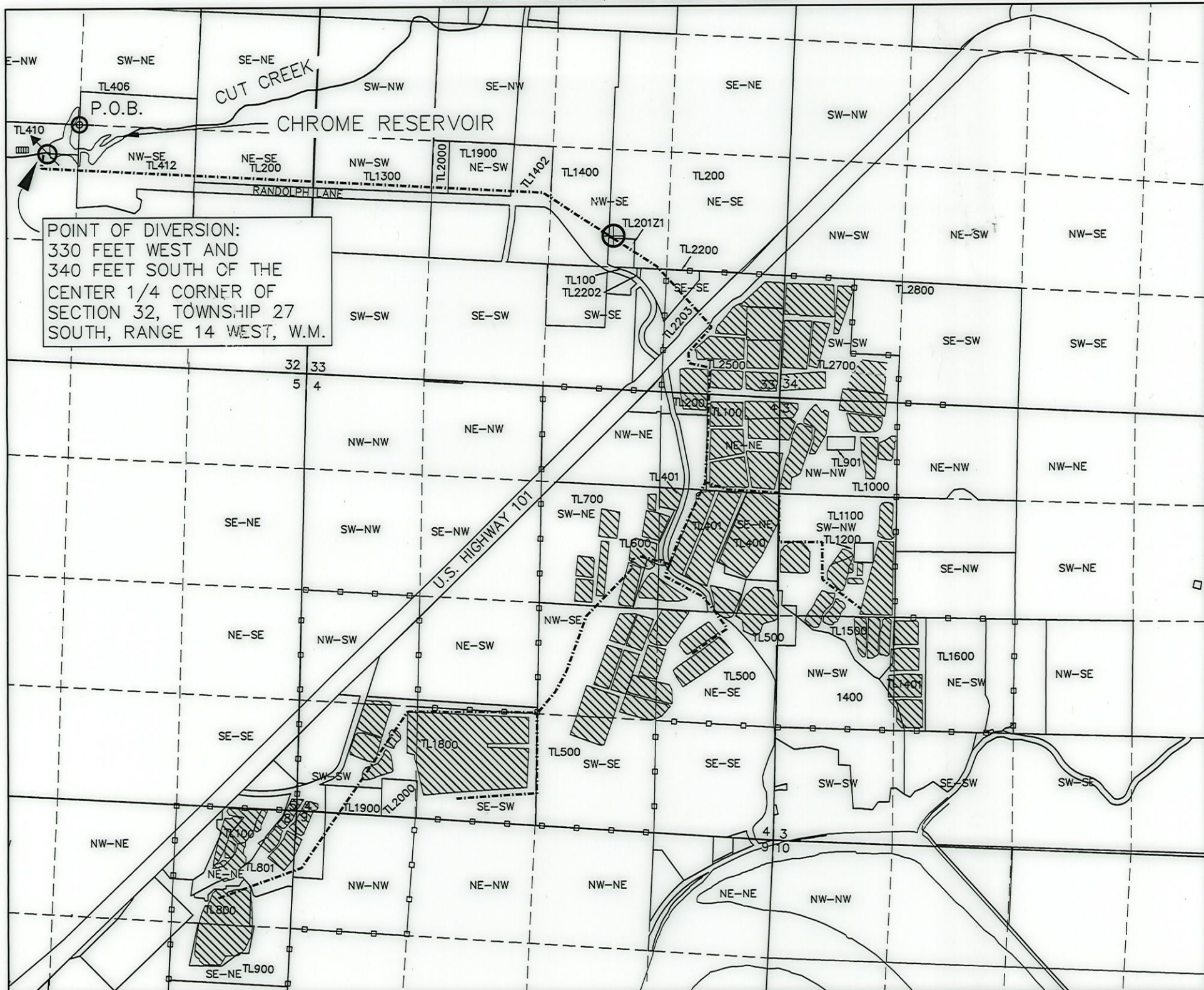


CLAIM OF BENEFICIAL USE MAP

COBU MAP # 1286

APP. # 72558 PERMIT. # S-53983

LOCATED IN PORTIONS OF SECTIONS 34, 33, & 32 IN TOWNSHIP 27 SOUTH, RANGE 14 WEST
& IN PORTIONS OF SECTIONS 3, 4, 5, 8, & 9 IN TOWNSHIP 28 SOUTH, RANGE 14 WEST
WILLAMETTE MERIDIAN, COOS COUNTY, OREGON



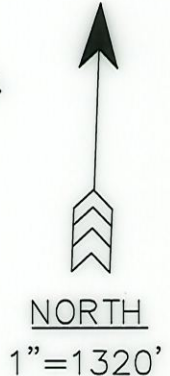
POINT OF DIVERSION:
330 FEET WEST AND
340 FEET SOUTH OF THE
CENTER 1/4 CORNER OF
SECTION 32, TOWNSHIP 27
SOUTH, RANGE 14 WEST, W.M.

T	R	S	Q	Q	Primary Right Acres	Primary Right Acres	Primary Right Acres	Primary Right Acres	Primary Right Acres	Primary Right Acres	Primary Right Acres	Primary Right Acres	TOTAL				
27		33	SE	SE	93417	5.1	39491	15.6					20.7				
		34	NE	SW	NO WATER RIGHTS												
		34	SE	SW	NO WATER RIGHTS												
		34	SW	SW	76165	21.2							21.2				
28	14	3 (GL4)	NW	NW	76165	6.2	35933	6.1					12.3				
		3	SW	NW	32273	9.9	67077	4.7	86668	0.5			15.1				
		3	NE	SW					86668	6.5			6.5				
		3	NW	SW			67077	4.3	86668	1.5			5.8				
		4	NE	NE	39491	1.6	35933	13.6					15.2				
		4	NW	NE	NO WATER RIGHTS												
		4	SE	NE	G12052	1.3	G13433	0.1	29950	1.6	55657	10.5	65884	8	66020	2.5	24.0
		4	SW	NE			G13433	5.2	G13433	4			66020	1.1	10.3		
		4	NE	SE			93741	6.36	29950	1.7	37081	1.8	G11045	0.14	66020	0.2	10.2
		4	NW	SE	32420	2.0	93741	7.11	S50974	8.5	37081	0.2	G11045	0.16		17.97	
		4	SW	SE			93741	1.88	S50974	1.0					2.88		
		4	SE	SW	66869	23.6									23.6		
		4	SW	SW	66869	0.4	60575	5.2	65417	0.6					6.2		
8	NE	NE	19530	2.95	89551	1.5	65417	4.7					9.15				
8	SE	NE					65417	4					4.0				
4	NW	SW			60575	0.2							0.2				
9	NW	NW					65417	1.7					1.7				
												Total	207.0				

LEGEND

- - - - - DISTRICT BOUNDARY
- - - - - MAIN LINE CONVEYANCE
- - - - - 1/16TH SECTION LINES
- - - - - APPROX. PARCEL BOUNDARY

- POINT OF BEGINNING (P.O.B.) CENTER 1/4 CORNER OF SECTION 32, TOWNSHIP 27 SOUTH, RANGE 14 WEST, W.M
- PLACE OF USE (P.O.U.)
- POINT OF DIVERSION (P.O.D.) AND FISH SCREEN
- TOTALIZING FLOWMETER AND AUXILLARY PUMP
- FISH LADDER: (ALL SYMBOLS NOT TO SCALE)



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DISCLAIMER: THIS MAP WAS PREPARED FOR THE PURPOSE OF IDENTIFYING THE LOCATION OF WATER RIGHT ONLY AND IS NOT INTENDED TO PROVIDE LEGAL DESCRIPTIONS OR LOCATIONS OF PROPERTY LINES.

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Project:
S-53983 CLAIM OF BENEFICIAL USE

Date:
January 29, 2021