

Completion Checklist for CWRE Claims of Beneficial Use

Application # R 73289



Date Received 8/30/2012
 CWRE Name Thomas Heshell Claim Logged
 File Marked _____
 Oversized Map # _____
 Read the file and attach a copy of the permit or transfer final order. _____

Map Review:

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

Report Review:

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

DEF = deficient
 N/A = Not Applicable

CLAIM OF BENEFICIAL USE for Reservoir Permits by CWRE's (not self-certified)



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

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

A separate form shall be completed for each permit.

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

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at:
http://www.wrd.state.or.us/OWRD/WR/cwre_info.shtml#.

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

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

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

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

RECEIVED BY OWRD

SECTION 1

GENERAL INFORMATION

AUG 20 2012

1. File Information

SALEM, OR

| | | |
|---------------------------------|--|---|
| APPLICATION # R-73289 | PERMIT # (IF APPLICABLE) R-12108 | PERMIT AMENDMENT # (IF APPLICABLE) NA |
|---------------------------------|--|---|

2. Property Owner (current owner information)

| | | | |
|---|---------------------|----------------------------------|---|
| APPLICANT/BUSINESS NAME David and Virginia Hughes | | PHONE NO. 541-347-2785 | ADDITIONAL CONTACT NO. c)541-731-0628 |
| ADDRESS 86639 Croft Lake Lane | | | |
| CITY Bandon | STATE OR. | ZIP 97411 | E-MAIL NA |

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

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

| | | |
|---|------------|--------------|
| PERMIT HOLDER OF RECORD | | |
| Kenneth Hunnicutt (deceased) | | |
| ADDRESS | | |
| Prior address Route 1 , Box 1485 | | |
| CITY | STATE | ZIP |
| Bandon | OR. | 97411 |

| | | |
|------------------------------------|-------|-----|
| ADDITIONAL PERMIT HOLDER OF RECORD | | |
| NA | | |
| ADDRESS | | |
| CITY | STATE | ZIP |

4. Date of Site Inspection:

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

| NAME | DATE | ASSOCIATION WITH THE PROJECT |
|---------------------|-----------------|------------------------------------|
| David Hughes | 2/8/2012 | Land owner/applicant/grower |
| | | |

6. County:

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(4)):

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

| | | |
|-----------------|-------|-----|
| OWNER OF RECORD | | |
| NA | | |
| ADDRESS | | |
| CITY | STATE | ZIP |

| | | |
|----------------------------|-------|-----|
| ADDITIONAL OWNER OF RECORD | | |
| NA | | |
| ADDRESS | | |
| CITY | STATE | ZIP |

RECEIVED BY OWRD

AUG 20 2012

SALEM, OR

SECTION 2
SYSTEM DESCRIPTION

A. Reservoir(s)

1. Reservoir source and, if from surface water, the tributary:

| RESERVOIR NAME OR NUMBER | SOURCE | TRIBUTARY |
|-----------------------------|-------------|------------|
| RES. #1 | ABE'S CREEK | CROFT LAKE |
| RES.#2 | “ “ | “ “ |

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

| RESERVOIR NAME OR NUMBER | USES | SEASON OR MONTHS WHEN WATER WAS STORED | VOLUME STORED (AF) |
|---|----------------|--|-----------------------|
| RES. #1 | CRANBERRY OPS. | EVERY WINTER (since permitted) | 1.0 AC.FT. |
| RES #2 | “ “ | EVERY WINTER (since 1947) | 7.7 “ |
| Total Quantity of Water Stored (SEE SECTION 4 “VARATIONS” RE: 7.7AF (SUBLECT TO 5.0 AF PER PERMIT R-8453 and R-8662, BOTH NC | | | 8.7 “ |

3. Provide a general narrative description of the distribution works. This description must trace the water system from **each** point of diversion to the reservoir:

FROM RES.#2 (POD 2) A 10 HP PUMP FEEDS A 4” MAINLINE 500 FT. TO THE 6” PVC (COMPUTER CONTROLLED,SPLIT MANIFOLD) OUTLET FROM A 30 HP PUMP AT RES.# 1 (POD 1). ALSO GATE VALVES CONTROL OUTPUT FROM RES.#2 TO FLOW DIRECTLY TO RES.#1.

RECEIVED BY OWRD

AUG 20 2012

SALEM, OR

SECTION 2

SYSTEM DESCRIPTION (B through F)

Are there multiple reservoirs?

YES

If "YES" you will need to copy and complete Sections 2B through 2F for each reservoir.

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

| |
|------------------------|
| RES.#1 / POD #1 |
|------------------------|

B. Reservoir Location

1. Is the reservoir on-channel?

YES

2. Provide dam outlet location and/or point of diversion(s).

| TWP | RNG | MER | SEC | QQ | GLOT | DLC | MEASURED DISTANCES |
|-----|-----|-----|-----|------|------|-----|---|
| 30S | 15W | WM | 11 | SWNE | NA | NA | 165' N. and 280' E. of the C1/4, SEC.11 |
| | | | | | | | |

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (GLOT), and Quarter-Quarters (QQ).

C. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport the water from the point(s) of diversion to the reservoir.

1. Is a pump used?

YES

If "NO" items 2 through item 5 may be deleted.

2. Pump Information

| MANUFACTURER | MODEL | SERIAL NUMBER | TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE) |
|-----------------|---------|---------------|--|
| GOULD "CENTURY" | MN 2401 | 6233051-01 | CENTRIFUGAL |

3. Theoretical Pump Capacity

| HORSEPOWER | OPERATING PSI | LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING | LIFT FROM PUMP TO PLACE OF USE | TOTAL PUMP OUTPUT (IN CFS) |
|------------|---------------|--|--------------------------------|----------------------------|
| 30 HP | 45 | 5' | 5' | 1.60 CFS |

4. Provide pump calculations:

| |
|---|
| SEE ATTACHED PUMP CAPACITY CALCULATION SHEET |
|---|

5. 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) |
|-----------------------|----------------------|---------------------------|----------------------------|
| SYSTEM NOT | IN SERVICE AT | TIME OF | INSPECTION |

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

RECEIVED BY OWRD

AUG 20 2012

6. Additional notes or comments related to the system:

FOUND SYSTEM AS PERMITTED

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. Reservoir

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

If "YES", answer items 2; items 3 through 8 relating to this section may be deleted.

If "NO", skip items 2; answer items 3 through 8.

2. 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 |
|---|------------------------------------|--|----------------------------|
| | | | |

3. 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 4 through 8.

| MAXIMUM DEPTH | AVERAGE DEPTH | SURFACE AREA (IN ACRES) | VOLUME (IN ACRE FEET) |
|---------------|---------------|-------------------------|-----------------------|
| 8' | 6' | 0.3 AC. | 1.0 AF |
| | | | |

4. Provide reservoir volume calculations:

0.3FT. X 8.0FT. X 0.4FT. = 0.96 AF
(13,068 sq.ft. x 8.0ft. x 0.4ft. / 43560 = 0.96 af)

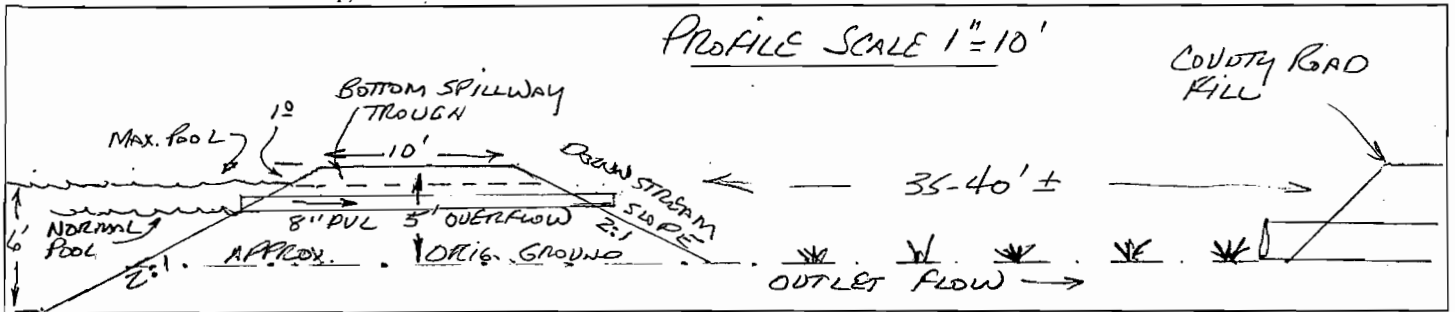
RECEIVED BY OWRD

AUG 20 2012

5. 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 |
|-----------------|------------------------------|---|---|--|-------------------|-----------------|
| 10' | 5' | 10' | 10' | 1" below outlet, 1 1/2 ft. below dam crest | 2:1 | 2:1 |

6. 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.

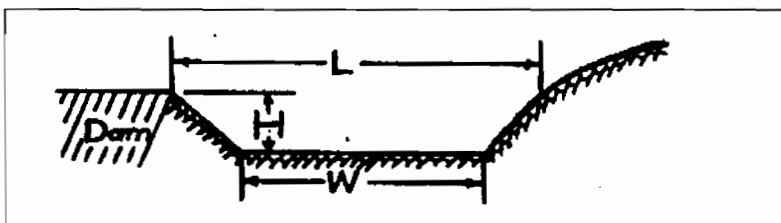


7. Describe the outlet works (size and type of the outlet conduit and location):

THE SPILLWAY (see below) AND OUTLET ARE LOCATED NEAR MIDDLE OF DAM. DAM IS LOCATED 40 FT. ml FROM THE COUNTY ROAD AND IS APPROX. LEVEL WITH THE ROAD GRADE WITH NATURAL DRAINAGE IN 40 FT. BETWEEN.

1. Describe the emergency spillway (dimensions and location): vegetated natural channel

| BOTTOM WIDTH (W) | TOP WIDTH (L) | SPILLWAY DEPTH (H) |
|------------------|---------------|--------------------|
| 1.0 FT. | 1.0 FT | 1.0 FT |



RECEIVED BY OWRD

AUG 20 2012

SECTION 2

SYSTEM DESCRIPTION (B through F)

Are there multiple reservoirs?

YES

If "YES" you will need to copy and complete Sections 2B through 2F for each reservoir.

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

| |
|------------------------------|
| RESERVOIR #2 / POD #2 |
|------------------------------|

B. Reservoir Location

1. Is the reservoir on-channel?

YES

2. Provide dam outlet location and/or point of diversion(s).

| TWP | RNG | MER | SEC | QQ | GLot | DLC | MEASURED DISTANCES |
|-----|-----|-----|-----|------|------|-----|---------------------------------------|
| 30S | 15W | WM | 11 | NWSE | NA | NA | 350' S. and 55' E. of the C ¼, SEC.11 |
| | | | | | | | |

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

C. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport the water from the point(s) of diversion to the reservoir.

1. Is a pump used?

YES

If "NO" items 2 through item 5 may be deleted.

2. Pump Information

| MANUFACTURER | MODEL | SERIAL NUMBER | TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE) |
|------------------|-------------|---------------|--|
| PACIFIC PUMP CO. | 5K4254XA1Y1 | VTJ701210 | CENTRIFUGAL |

3. 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) |
|------------|---------------|---|-----------------------------------|----------------------------------|
| 10 HP | 50 PSI | 4' | 4' | 0.49 CFS |

4. Provide pump calculations:

| |
|---|
| SEE ATTACHED PUMP CAPACITY CALCULATION SHEET |
|---|

5. 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) |
|--------------------------|-------------------------|------------------------------|-------------------------------|
| SYSTEM WAS | NOT IN SERVICE | AT THE TIME | OF INSPECTION |

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

RECEIVED BY OWRD

AUG 20 2012

6. Additional notes or comments related to the system:

THE RESERVOIR IS OWNED AND OPERATED BY ADJOINERS TO THE SOUTH PER CERTIFICATES #50352 and #51557.

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. Reservoir

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

If "YES", answer items 2; items 3 through 8 relating to this section may be deleted.

If "NO", skip items 2; answer items 3 through 8.

2. 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 |
|---|------------------------------------|--|----------------------------|
| | | | |

3. 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 4 through 8.

| MAXIMUM DEPTH | AVERAGE DEPTH | SURFACE AREA (IN ACRES) | VOLUME (IN ACRE FEET) |
|---------------|---------------|----------------------------|--------------------------|
| 12' | 8' | 1.6 ac. | 7.7 AC.FT. |

4. Provide reservoir volume calculations:

12 ft. x 1.6 ac. x 0.4 = 7.7 ac.ft.
(12 ft. x 69,696 sq.ft. x .4 = 334,540 / 43560 = 7.68 ac.ft.)

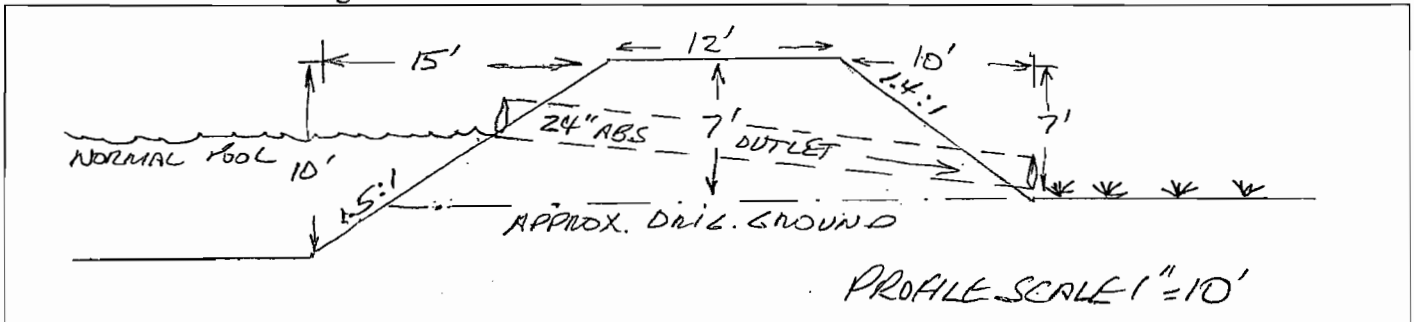
RECEIVED BY OWRD

AUG 20 2012

5. 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 |
|-----------------|------------------------------|---|---|--|-------------------|-----------------|
| 12' | 7' | 10' | 15' | 4' BELOW CREST AT INLET OF OUTLET PIPE | 1.4:1 | 1.5:1 |

6. 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.

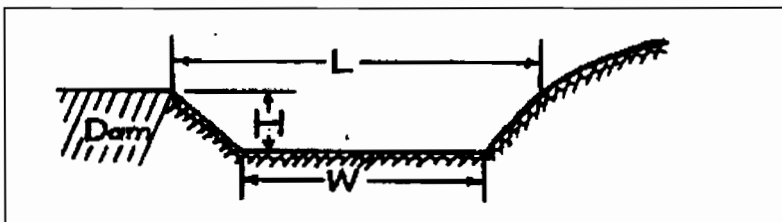


7. Describe the outlet works (size and type of the outlet conduit and location):

THE EXISTING STRUCTURE HAS A RECENTLY INSTALLED 24" ABS OVERFLOW PIPE AT THE MIDDLE OF DAM. NO SPILLWAY WAS FOUND, APPLICANT STATED TO EVACUATE/DRAIN STORED WATER UNDER THIS PERMIT HE WOULD USE EXISTING PUMP TO DRAIN. NO KNOWN EVIDENCE OR RECORD OF OUTLET CONDUIT.

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

| BOTTOM WIDTH (W) | TOP WIDTH (L) | SPILLWAY DEPTH (H) |
|------------------|---------------|--------------------|
| | NONE FOUND | |



RECEIVED BY OWRD

AUG 20 2012

SALEM, OR

SECTION 3 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 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 extension final order:

| | DATE FROM PERMIT | DATE ACCOMPLISHED* | DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS |
|-----------------------------------|------------------|--------------------|---|
| ISSUANCE DATE | 1/31/1997 | | |
| BEGIN CONSTRUCTION (A) | 1/31/1998 | EXISTING IN 1947 | CURRENT OWNER RPLACED POD #2 ORIG. PUMP STA. IN 2000 |
| COMPLETE CONSTRUCTION (B) | 10/1/1999 | “ | RESERVOIRS IN USE AT TIME OF APPLICATION IN 1997 |
| COMPLETE APPLICATION OF WATER (C) | 10/1/2000 | “ | “ |

* 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)? REINSTATEMENT PER VOL.85 PG 828 YES

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 3b through 3f relating to this section may be deleted.

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

b. Has a meter been installed? YES

c. Meter Information

| POD/POA NAME OR # | MANUFACTURER | SERIAL # | CONDITION (WORKING OR NOT) | CURRENT METER READING | DATE INSTALLED |
|-------------------|--------------|----------|----------------------------|--------------------------|----------------|
| POD #1 | McCROMETER | UNKN OWN | WORKING | "033811" (GALS X 100) | 5/2012 |
| POD #2 | MASTERMETER | 2215841 | “ | "00113700" | 5/2012 |

If a meter has been installed, items 6d through 6g relating to this section may be deleted.

RECEIVED BY OWRD

AUG 20 2012

5. Fish Screening

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

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

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? NO

If "NO", items 6b and 6c relating to this section may be deleted.

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 letter from an engineer required prior to storage of water? NO
- d. Was submittal of a water management and conservation plan required? NO
- e. 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, or extension final order. (i.e. "The permit allowed three reservoirs. The water user only developed one of the reservoirs." or "The permit allowed for the storage of 40.0 AF. The water user only stored 10.0 AF.")

THE PERMIT ALLOWED FOR STORAGE OF 4.1 AF IN 2 RESERVOIRS. THE WATER USER STORES 3.7 AF (1.0 AF IN RES.#1 and 2.7AF IN RES.#2, WHICH ALSO CONTAINS 5.0 AF IN STORAGE UNDER CERTIFICATE #50352, and SUBJECT TO NC PERMITS R-8453 and R-8662. ACCESS TO RES.#2 IS VIA EASEMENT ATTACHED.

ALSO, OUTLET PIPE TO EVACUATE/DRAIN WATER WAS NOT FOUND IN EITHER RESERVOIR – OWNER STATED, "WATERS WOULD BE PUMPED TO DRAIN".

**SECTION 5
ATTACHMENTS**

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

| ATTACHMENT NAME | DESCRIPTION |
|-------------------|--------------------------------------|
| EASEMENT | EASEMENT TO ACCESS RESERVOIR #2 |
| PUMP CALCULATIONS | PUMP CAPACITY CALCULATION SHEETS (2) |
| | |

RECEIVED BY OWRD

**SECTION 6
CLAIM SUMMARY**

| RESERVOIR NAME OR # | MAXIMUM STORAGE AUTHORIZED BY PERMIT (AF) | MAXIMUM STORAGE DEVELOPED (AF) |
|---------------------|---|--------------------------------|
| RES.#1 | 2.3 AF | 1.0 AF |
| RES.#2 | 1.8 AF | 2.7 AF |

**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 ATTACHED MAP WAS DRAWN BASED ON SITE INSPECTION, COOS COUNTY GIS – ASSESSORS DATA BASE, GOGGLE EARTH (HISTORICAL) and FLASH EARTH (CURRENT) AERIALS and APPLICATION MAP BY JOHN PRAHAR – PLS-CWRE.



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
- 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")

RECEIVED BY OWRC

AUG 20 2012

SALEM, OR

- Application and permit number or transfer number
- North arrow
- Legend
- CWRE stamp and signature

RECEIVED BY OWRD

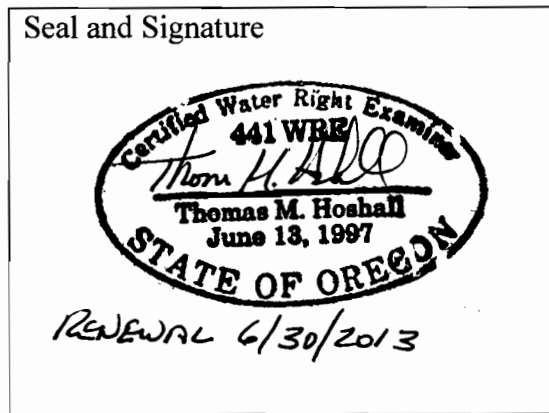
AUG 20 2012

SALEM, OR

**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 THOMAS M. HOSHALL | | PHONE NO. 541-267-2872 | ADDITIONAL CONTACT No. NA |
| ADDRESS PO BOX 118 | | | |
| CITY COOS BAY | STATE OR. | ZIP 97420 | E-MAIL NA |

Permit Holder's of Record Signature or Acknowledgement

This Claim of Beneficial Use must be signed by each permit or transfer holder of record.

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 |
|------------------------|------------------------|----------------|
| <i>David Hughes</i> | DAVID HUGHES | <i>8-16-12</i> |
| <i>Virginia Hughes</i> | VIRGINIA HUGHES | <i>8-16-12</i> |

RECEIVED BY OWRD

AUG 20 2012

POD #1 PUMP CALCS

Pump Capacity Calculation Sheet

using Department designed formula:

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

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 30
Efficiency = 6.61
Lift = 10
PSI = 45

Results Calculated

(hp)(efficiency) = 198.3
Head based on psi = 114.3
Total dynamic head = 124.3
(head + lift)

Pump Capacity = 1.60 feet per second

RECEIVED BY OWRD

AUG 20 2012

SALEM, OR

Pump Capacity Calculation Sheet

using Department designed formula:

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

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 10
Efficiency = 6.61
Lift = 8
PSI = 50

Results Calculated

(hp)(efficiency) = 66.1
Head based on psi = 127.0
Total dynamic head = 135.0
(head + lift)

Pump Capacity = 0.49 feet per second

RECEIVED BY OWRD

AUG 20 2012

SALEM, OR

CLAIM OF BENEFICIAL USE

LOCATED IN THE SE $\frac{1}{4}$ -NW $\frac{1}{4}$, SW $\frac{1}{4}$ -NE $\frac{1}{4}$, NE $\frac{1}{4}$ -SW $\frac{1}{4}$ & NW $\frac{1}{4}$ -SE $\frac{1}{4}$, SEC. 11, T.30S., R.15W., W.M., COOS COUNTY, OREGON

DATE: FEB. 2012

PREPARED FOR: DAVE HUGHES

PREPARED BY: STUNTZNER ENG. & FORESTRY, COOS BAY, OREGON

APPLICATION: R-73289
PERMIT: R-12108

| | ACRES: | PRIMARY | SUPP. |
|--------------|-----------|---------|-------|
| SW-NE ACRES: | 17.1 Ac.± | 10.8 | 6.3 |
| SE-NW ACRES: | 3.3 Ac.± | 2.3 | 1.0 |
| TOTAL | 20.4 Ac.± | 13.1 | 7.3 |

AREAS OF SUMPS

| | |
|---------|----------|
| SUMP 1: | 0.42 Ac± |
| SUMP 2: | 0.16 Ac± |
| SUMP 3: | 0.64 Ac± |

| P.O.A.# | NORTH | EAST |
|---------|--------|-------|
| #1: | 710'± | 940'± |
| #2: | 1300'± | 635'± |

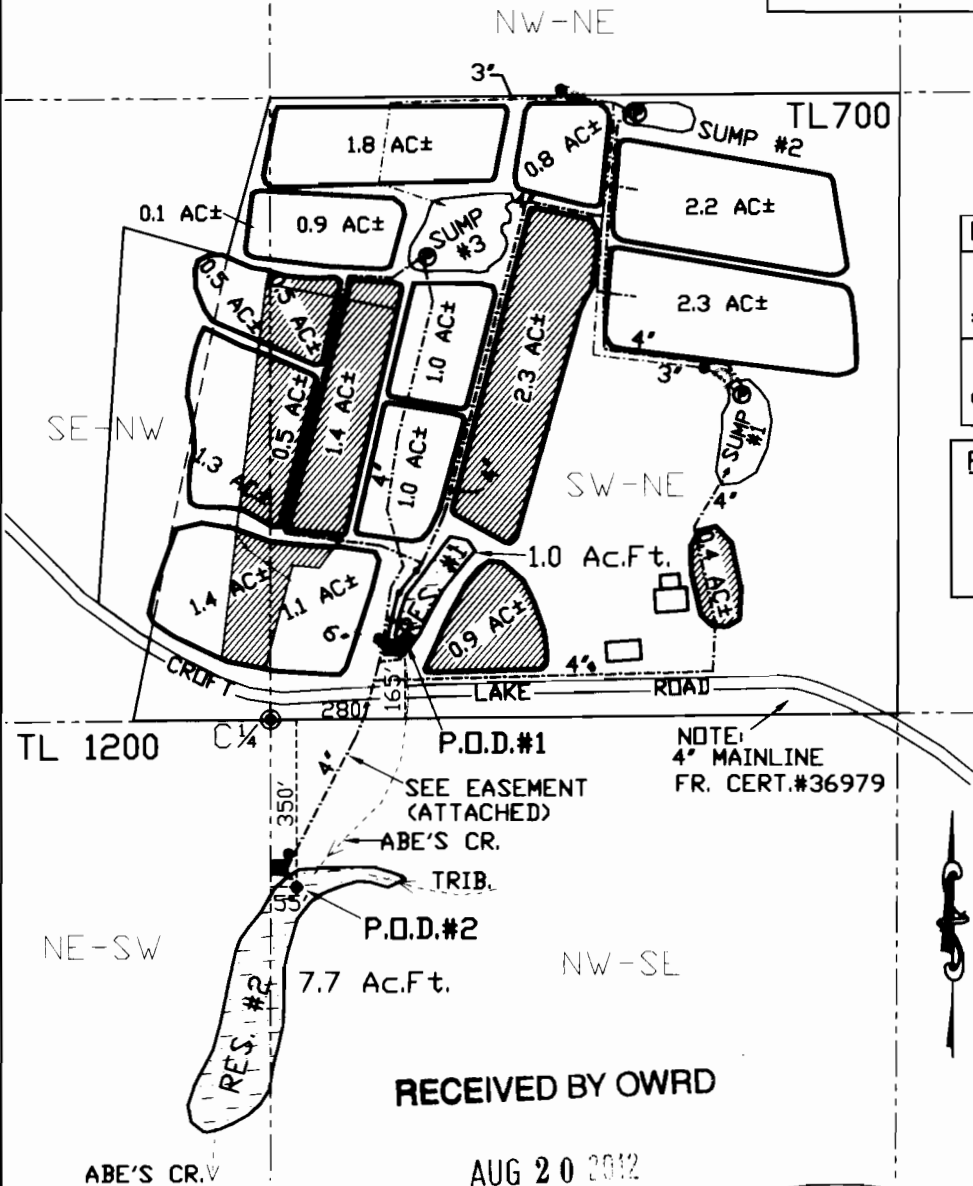
MEASURED FROM CX
(SHOWN THUS: 635'±)

PIPELINE LENGTHS SHOWN:

| | | |
|------|--------|----------|
| 3" x | 1600'± | (BURIED) |
| 4" x | 5400'± | (BURIED) |
| 6" x | 700'± | (BURIED) |

LEGEND

- GOVT. CORNER
- EXIST. BOGS
- - - SECTION LINE (PER ASSESSOR)
- EXIST. BUILDINGS
- ⊙ EXISTING WELL
- PUMP HOUSE (FLOW METER)
- PIPELINES (6")
- - - PIPELINES (4" & 3" AS NOTED)
- FLOW METER
- RESERVOIRS
- ▨ SUPPLEMENTAL TO CERT. #36979
- - - EXISTING CREEKS
- ⊕ P.O.D. (POINT OF DIVERSION)
- ⊙ SURFACE PUMP



RECEIVED BY OWRD

AUG 20 2012

SALEM, OR

Certified Water Right Examiner
441WRE
Thomas M. Hoshall
Thomas M. Hoshall
June 13, 1997
STATE OF OREGON

SCALE 1" = 400 FT.



THE PREPARATION OF THIS MAP WAS FOR THE PURPOSE OF IDENTIFYING THE LOCATION OF THE WATER RIGHT ONLY AND HAS NO INTENT TO PROVIDE DIMENSIONS OR LOCATION OF PROPERTY OWNERSHIP.

Stuntzner Engineering & Forestry, L.L.C.

ENGINEERING • LAND SURVEYING • FORESTRY
PLANNING • WATER RIGHTS

700 South 4th St.
Post Office Box 118
Coos Bay, Oregon 97408 Phone: (541) 367-0078
Fax: (541) 367-0080

Drawn By: Devin Stigley Date: February 2012

Checked By: THW Date: 12-3-005

Scale: 1" = 400'

EXPIRES 06/30/2013