



Dec

**Instream flows to be measured at:**

**Other conditions requested by WDFW indicated by :**

HPA

Screen intake if accessible to fish (to be determined during application for HPA) according to WDFW standards.

Based upon review of fish resources present, type and amount of water use, condition of habitat, and amount of water available, WDFW REQUESTS DENIAL of this application, in accordance with RCW 75.20.050, IF THIS SPACE IS CHECKED.

WDFW recommends modification of this proposal to minimize impacts to fish.

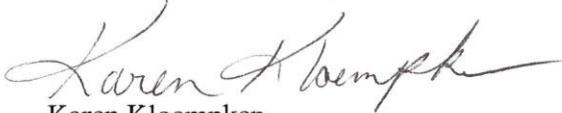
WDFW is a landowner and water user that will be affected by this proposed use.

Please HOLD this application pending field review. WDFW staff will provide detailed response by

Granting this water right application would adversely affect WDFW's existing water rights for a facility. We request the following conditions for this water right if it is granted.

**Rationale for WDFW recommendations if not based on existing rules or statutes:** Diversion should be screened to prevent fish from being entrained into the pump. See attached Screening Requirements for Water Diversions. WDFW does not recommend that an instream flow should be established for this water right permit. Different uses and amounts would require an instream flow to protect instream resources.

**Additional Comments:**



Karen Kloempken  
Water Rights Biologist  
360-902-2615  
Fax: 360-902-2946  
E-mail: kloemkak@dfw.wa.gov

Enclosure

STATE OF WASHINGTON  
DEPARTMENT OF FISH AND WILDLIFE

SCREENING REQUIREMENTS FOR WATER DIVERSIONS

Washington State Laws (RCW 77.16.220; RCW 75.20.040, RCW 75.20.061) require all diversions from waters of the state to be screened to protect fish.

These laws and the following design criteria are essential for the protection of fish at surface water diversions. Fish drawn into hydropower, irrigation, water supply, and other diversions are usually lost from the fish resources of the state of Washington.

The following criteria are based on the philosophy of physically excluding fish from being entrained in water diverted without becoming impinged on the diversion screen. The approach velocity and screen mesh opening criteria are based upon the swimming stamina of emergent size fry in low water temperature conditions. It is recognized that there may be locations at which design for these conditions may not be warranted. Unless conclusive data from studies acceptable to Washington Department of Fish and Wildlife indicate otherwise, it is assumed that these extreme conditions exist at some time of the year at all screen sites.

Additional criteria may be required for unique situations, large facilities or intakes within marine waters.

**I. Screen Location and Orientation**

A. Fish screens in rivers and streams shall be constructed within the flowing stream at the point of diversion and parallel to the stream flow. The screen face shall be continuous with the adjacent bankline. A smooth transition between the screen and bankline shall be provided to prevent eddies in front, upstream and downstream of the screen.

Where it can be thoroughly demonstrated that flow characteristics or site conditions make construction or operation of fish screens at the diversion entrance impractical, the screens may be installed in the canal downstream of the diversion.

B. Diversion intakes in lakes and reservoirs shall be located offshore in deep water to minimize the exposure of juvenile fish to the screen. Salmon and trout fry generally inhabit shallow water areas near shore.

C. Screens constructed in canals and ditches shall be located as close as practical to the diversion. They shall be oriented so the angle between the face of the screen and the approaching flow is no more than 45 degrees. All screens constructed downstream of the diversion shall be provided with an efficient bypass system.

**II. Approach Velocity**

The approach velocity is defined as the component of the local velocity vector perpendicular to the face of the screen. Juvenile fish must be able to swim at a speed equal or greater than the approach velocity for an extended length of time to avoid impingement on the screen. The following approach velocity criteria are maximum velocities that shall not be exceeded anywhere on the face of the screen.

A maximum approach velocity of 0.4 feet per second is allowed.

The approach velocity is calculated based on the gross screen area not the net open area of the screen mesh.

The intake structure and/or fish screen shall be designed to assure that the diverted flow is uniformly distributed through the screen so the minimum approach velocity is not exceeded.

### III. Minimum Screen Area

The minimum required screen area is determined by dividing the maximum diverted flow by the maximum allowable approach velocity. To find the screen area in square feet, divide the diverted flow in cubic feet per second (450 gpm = 1.0 cubic foot per second) by the approach velocity (0.4 feet per second):

$$\text{Minimum Screen Area} = \frac{\text{Diverted Flow (cubic feet/second)}}{\text{Approach Velocity (feet/second)}}$$

The minimum required screen area must be submerged during lowest stream flows and may not include any area that is blocked by screen guides or structural members.

Diversions less than or equal to 180 gallons/minute (0.4 cfs) require a minimum submerged screen area of 1.0 square foot, which is the smallest practical screening device.

### IV. Sweeping Velocity

The sweeping velocity is defined as the component of the water velocity parallel to and immediately upstream of the screen surface. The sweeping velocity shall equal or exceed the maximum allowable approach velocity. The sweeping velocity requirement is satisfied by a combination of proper orientation (angle of screen 45 degrees to the approaching flow) of the screen relative to the approaching flow and adequate bypass flow.

Screen bay piers or walls adjacent to the screen face shall be flush with screen surfaces so the sweeping velocity is not impeded.

### V. Screen Mesh Size, Shape, and Type of Material

Screen openings may be round, square, rectangular, or any combination thereof, provided structural integrity and cleaning operations are not impaired.

Screen mesh criteria is based on the assumption that steelhead and/or resident trout fry are ubiquitous in the state of Washington and will be present at all diversion sites.

Following are the maximum screen openings allowable for emergent salmon fry. The maximum opening applies to the entire structure including the screen mesh, guides, and seals. The profile bar criteria is applied to the narrow dimension of rectangular slots or mesh.

Woven Wire Mesh	Profile Bar	Perforated Plate
-----------------	-------------	------------------

0.087 inch (6-14 mesh)	1.75 mm	0.094 inch (3/32 inch)
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The allowable woven wire mesh openings is the greatest open space distance between mesh wires. An example allowable mesh specifications is provided; there are other standard allowable openings available. The mesh specification gives the number of mesh openings per lineal inch followed by the gauge of the wires. For example, 6-14 mesh has five mesh openings per inch of screen. It is constructed with 6, 14-gauge (0.080 inch diameter) wires per inch.

The profile bar openings are the maximum allowable spaces between bars. The allowable perforated plate openings are the diameter of circular perforations. Perforated slots are treated as profile bars.

Screens may be constructed of any durable material; woven, welded, or perforated. The screen material must be resistant to corrosion and ultraviolet damage.

For longevity and durability, minimum wire diameter for woven mesh shall be 0.060 inch (18 gauge) on fixed panel screens, where they are not subjected to impact of debris. Minimum diameter for woven mesh shall be 0.080 inch (14 gauge) for rotary drum screens, traveling belt screens, and in areas where there is a potential for damage from floating debris or cleaning operations.

#### **VI. Bypass**

All screens constructed downstream of the diversion shall be provided with an efficient bypass system to rapidly collect juvenile fish and safely transport them back to the river. The downstream end of the screen shall terminate at the entrance to the bypass system. It is the water diversion owner's responsibility to obtain necessary water rights to operate the fish bypass; failure to do so may be considered failure to meet state screening law requirements.

#### **VII. Cleaning**

Fish screens shall be cleaned as frequently as necessary to prevent obstruction of flow and violation of the approach velocity criterion. Automatic cleaning devices will be required on large screen facilities.

Additional detailed information is available explaining the background and justification of these criteria and showing standard details of flow distributors, acceptable bypass designs and screen areas required for various flows.

For further information, contact Washington Department of Fish and Wildlife.

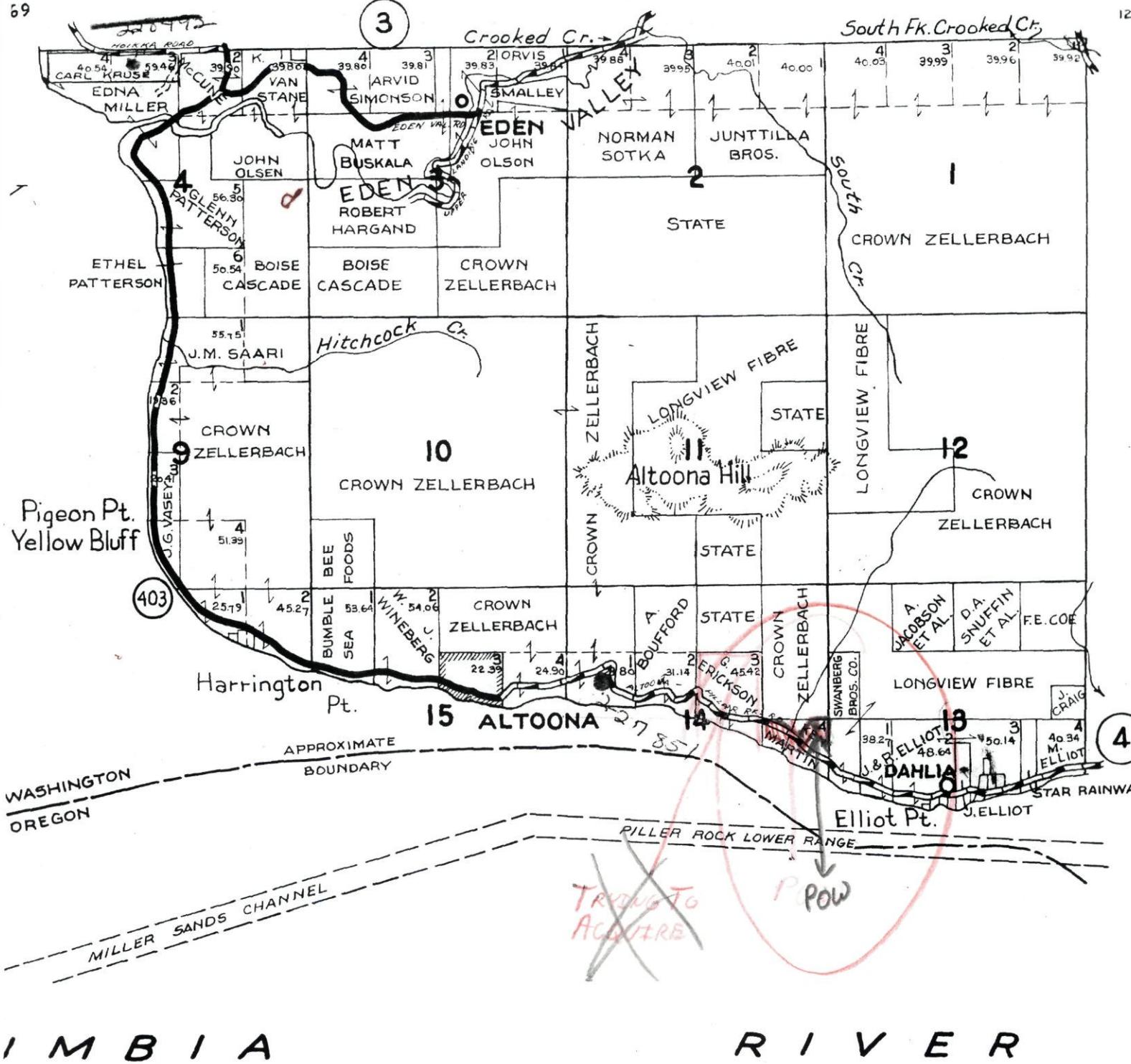
Washington Department of Fish and Wildlife  
600 Capitol Way North  
Olympia, WA 98501-1091  
(360) 902-2534

Revised 6/29/95

# TOWNSHIP 9 N., RANGE 8 W.W. M. WAHKIAKUM COUNTY, WASHINGTON

FILE

69



IMBIA

RIVER



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

August 27, 2001

David & Danene Lethin  
1655 SW 14<sup>th</sup> St.  
Warrenton, OR 97146

Dear Mr. & Mrs. Lethin:

Re: Water Right Application No. S2-30001

This letter is to acknowledge that the Washington State Department of Ecology received your letter, dated August 5, 2001, regarding your proposed septic system.

While I understand your position, Washington water statutes grant water rights using a "first in time, first in right" priority approach. This dictates that the oldest applications be processed first, proceeding down the list by Priority Date (the date the original application was received). In your WRIA (water resource inventory area) alone, there are 40 applications with priority dates older than yours. In the region covered by this office, there are 1,234 applications in process. Of these, 3 have more recent priority dates than your application. Barring issues of public health and safety, there is nothing we can do to move your application forward in line.

The current legislature has given priority to our state's current water dilemma and allocated more money for the processing of water claims. Some of this money has been used to hire more staff to handle this workload. We will complete your application with as much haste as we are afforded. Your patience in this matter is appreciated.

Sincerely,

Shawn Hopkins  
Water Resources  
Southwest Regional Office

SH:th





8 Acres +/-  
COLUMBIA  
River frontage

190,000  
Septic Installed

571.53 feet

8 Acres +/-  
COLUMBIA  
River frontage

190,000  
Septic Installed

34'  
230  
57'

GOV'T. SURVEY ILL  
 OWNERSHIP  
 AMETTE  
 LAR  
 IF-WAY.  
 WAKUM.

RECREATIONAL  
 NT FOR BENEFIT  
 CTS 1, 2 AND 3.

ION  
 R. 8W., W.M.  
 2632.86  
 5265.37

NOTE: PROPOSED CALCULATED TO INCLUDE CITY AND COUNTY RIGHT-OF-WAY.

SEE EASEMENT FOR NAVIGATIONAL AIDS AS SHOWN SURVEY 2, PG. 44, RECORD OF WARRIUM COUNTY, WA.

PROCEDURES  
 RECORDED WITH EDM

RECEIVED  
DEPT. OF ECOLOGY/SWRO

August 5, 2001  
01 AUG 21 A10 50

State of Ecology  
Department of Ecology  
PO Box 47775  
Olympia, WA 98504

RE: Water Right Application No. S2-30001

We received your earlier letter regarding the availability or non-availability of water in the state of Washington. Enclosed is our application for a septic approval from Wahkiakum County. We are trying to have a septic system put on our property for a home site. While we understand your letter, we would like to have you further consider our purpose in receiving these rights. Soon our septic permit will expire and requires verification of suitable water supply, which we are trying to obtain. We would be happy to meet anyone from your office to show them our property at your convenience, as there is a creek on the property that comes off the mountain and empties into the tidal water of the Columbia River near the mouth. There are no Salmon or other fish issues that effect this creek, as it comes from a steep terrain.

As time is of the essence for us we would greatly appreciate hearing from you as soon as possible. If you should any further questions please feel free to contact us.

Sincerely,

David and Danene Lethin  
(503) 861-0764  
(360) 269-6420 cell

WAHKIAKUM COUNTY HEALTH DEPARTMENT

64 Main Street / P.O. Box 696  
Cathlamet, Washington 98612  
360-795-6207

RECEIVED  
DEPT. OF ECOLOGY/SWR

Property Address: 1696 ALTOONA PILLAR ROCK, ROSBURG

'01 AUG 21 A10:50

Applicant: LETHIN, DAVID Agent: WILLIAM DENNIS, DESIGNER

Mailing Address: 1655 S. W. 14<sup>th</sup> ST. Mailing Address: P. O. BOX 459

City, State, & Zip: WARRENTON OR City, State, & Zip: KELSO, WA 98626-2821

Evaluation Results: Acceptable:  Conditionally Acceptable:  Not Acceptable:

Prior to Issuance of an On-Site Sewage Disposal Permit:

- Permit fee must be paid. The permit fee is \$120.00. This approval is valid for two years from the date of issue (on the bottom of this form).
- Submit a copy of a signed and recorded warranty deed, purchase agreement, or other document which indicates legal ownership.
- Plat/Short Plat must be approved and recorded.
- Provide verification of availability of a suitable water supply to serve this site. Wells are to be constructed prior to issuance of the on-site sewage disposal permit.

The site is not acceptable due to the following reason(s):

- The depth to the maximum seasonal ground water level or restrictive/impermeable soil horizon does not meet the minimum Washington State requirement (48 inches). The suitable soil depth is approximately \_\_\_\_\_ inches.
- Minimum surface water or well setbacks (100 feet) cannot be maintained.
- Other:

You may pursue any of the following alternatives. The suggested alternative (if any) is indicated.

- Try other area of the property. Call or visit the Environmental Health Specialist for details.
- An alternative system may be available. See a certified On-Site Sewage System Designer.
- Other: William Dennis, Cert. OSS Designer submitted a design proposal for pressure distribution system for this site assuring it will meet treatment standards for Type 5 soils on this site. This office concurs.

The decision of the Environmental Health Specialist may be appealed to the Wahkiakum County Board of Health. Contact the Health Department for details.

Date of Evaluation: CERT. DESIGNER ALT.  
SYS. REVIEW: 5-21-0

*William Dennis* RS, MS  
Environmental Health Specialist

MAY 21, 2001  
Date

**This is NOT a permit for construction !!!**



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

July 26, 2001

David & Danene Lethin  
1655 SW 14<sup>th</sup> Street  
Warrenton OR 97146

Re: Water Right Application No. S2-30001

This letter is to acknowledge that the Washington State Department of Ecology received your water right application. We have assigned your application the number indicated above. Please include this number in future correspondence regarding your application with the Department of Ecology.

When we begin actively evaluating applications in your area, we will prepare a public notice and send it to you with publication instructions. It will be sometime before we are able to begin working in your area. In the meantime, please notify Ecology of changes such as address, property ownership, or variations in your proposed water use plans.

The availability of water in Washington state is a serious problem. Much of the water in our state has already been appropriated. The competition for water has escalated with our state's increasing population, conflicting water policy issues, and grave declines in salmon and other fish populations. A new watershed management law brings us a step closer to addressing some of these issues. It sets into motion a locally based process to address water quantity, quality, and habitat issues. Watershed management will help meet challenges for getting water to people, industries, farms, and fish.

In some areas of the state, we are continuing to evaluate applications within watersheds where we have previously gathered information and completed watershed assessments. We are also continuing to process water right permit or change applications that are intended to address public health and safety emergencies, the natural environment, or are for nonconsumptive withdrawals. All other applications are grouped by watershed and processed according to the date of submittal, and when we have enough information and staff resources to make decisions.

If you would like further information on your application, please contact the Southwest Regional Office at (360) 407-0240.

Sincerely,

*J. Mike Harris*

J. Mike Harris  
Water Resources Supervisor  
Southwest Regional Office

JMH:th (applet.doc)





STATE OF WASHINGTON  
DEPARTMENT OF WATER RESOURCES  
DIVISION OF WATER MANAGEMENT

RECEIVED  
DEPARTMENT OF ECOLOGY

OCT 21 71 008377

CASH  OTHER  NONE

**WATER RIGHT CLAIM**

1 NAME Gladys Erickson

ADDRESS \_\_\_\_\_

Rosburg, Wash. ZIP CODE 98643

2 SOURCE FROM WHICH THE RIGHT TO TAKE AND MAKE USE OF WATER IS CLAIMED surface  
(SURFACE OR GROUND WATER)

W.R.I.A. 25  
(LEAVE BLANK)

A. IF GROUND WATER THE SOURCE IS \_\_\_\_\_

B. IF SURFACE WATER THE SOURCE IS unnamed cr

*Water not in use for several years.*

3 THE QUANTITIES OF WATER AND TIMES OF USE CLAIMED:

A. QUANTITY OF WATER CLAIMED 1/4 GPM  
(CUBIC FEET PER HOUR)

B. ANNUAL QUANTITY CLAIMED 1/3 A. ft.  
(ACRES)

C. IF FOR IRRIGATION ACRES CLAIMED \_\_\_\_\_

D. TIME(S) DURING EACH YEAR WHEN WATER IS USED \_\_\_\_\_

4 DATE OF FIRST PUTTING WATER TO USE \_\_\_\_\_ MONTH \_\_\_\_\_ YEAR 1903

5. LOCATION OF THE POINT(S) OF DIVERSION WITHDRAWAL 200 FEET West AND 500 FEET South FROM THE Northeast CORNER OF SECTION Lot 3, Sec. 14

BEING WITHIN Lot 3 OF SECTION 14 T 9 N 8 R W (E OR W) W.M.

IF THIS IS WITHIN THE LIMITS OF A RECORDED PLATTED PROPERTY LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ OF \_\_\_\_\_

(GIVE NAME OF PLAT OR ADDITION)

6 LEGAL DESCRIPTION OF LANDS ON WHICH THE WATER IS USED Lot 3 in Section 14

T 9 N R 8 W

COUNTY Wahkiakum

7 PURPOSE(S) FOR WHICH WATER IS USED domestic

8 THE LEGAL DOCTRINE(S) UPON WHICH THE RIGHT OF CLAIM IS BASED prior appropriation

**DO NOT USE THIS SPACE**

THE FILING OF A STATEMENT OF CLAIM DOES NOT CONSTITUTE AN ADJUDICATION OF ANY CLAIM TO THE RIGHT TO USE OF WATERS AS BETWEEN THE WATER USE CLAIMANT AND THE STATE OR AS BETWEEN ONE OR MORE WATER USE CLAIMANTS AND ANOTHER OR OTHERS. THIS ACKNOWLEDGEMENT CONSTITUTES RECEIPT FOR THE FILING FEE.

DATE RETURNED OCT 21 71 006255 REGISTRY NUMBER

THIS HAS BEEN ASSIGNED WATER RIGHT CLAIM REGISTRY NO.

*John Bayjo*

ASSISTANT DIRECTOR DIVISION OF WATER MANAGEMENT - DEPARTMENT OF WATER RESOURCES

I HEREBY SWEAR THAT THE ABOVE INFORMATION IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF

X *Gladys Erickson*

DATE October 19th, 1971

IF CLAIM FILED BY DESIGNATED REPRESENTATIVE PRINT OR TYPE FULL NAME AND MAILING ADDRESS OF AGENT BELOW

\_\_\_\_\_

ADDITIONAL INFORMATION RELATING TO WATER QUALITY AND/OR WELL CONSTRUCTION IS AVAILABLE

RETURN ALL THREE COPIES WITH CARBONS INTACT ALONG WITH YOUR FEE TO DEPARTMENT OF WATER RESOURCES

W-9489

## Legal Description

That portion of Government Lot Four (4), in Section Fourteen (14), Township Nine (9) North, Range Eight (8) West of the Willamette Meridian, described as follows, to-wit:

Beginning at the Northeast corner of said Government Lot Four (4), thence South  $02^{\circ} 16' 08''$  West along the East line of said Government Lot Four (4) 480 feet to the Northeast corner of that certain tract heretofore conveyed to Ronald Todd Kaino, et. ux., by deed recorded under Auditor's File No. 41008, in Volume 85 of Deeds & Mortgages, page 616, records of Wahkiakum County, Washington; thence North  $66^{\circ} 10' 09''$  West along the Northerly line of said Kaino tract, 461.92 feet; thence South  $29^{\circ} 46' 21''$  West, 397.21 feet, more or less, to the Government Meander Line; thence North  $53^{\circ} 49' 55''$  West along said meander line 250 feet; thence North  $60^{\circ} 47' 15''$  West along said meander line 321.83 feet to the Southeastern corner of that certain tract heretofore conveyed to Larry A. Mosher, et. ux., by deed recorded under Auditor's File No. 41010, in Volume 85 of Deeds & Mortgages, page 623, records of Wahkiakum County, Washington; thence North  $18^{\circ}$  East along the Easterly line of said Mosher tract 248.3 feet, more or less, to centerline of the Pillar Rock-Altoona County Road; thence South  $52^{\circ} 59' 07''$  East along said road centerline 213.48 feet; thence South  $51^{\circ} 23' 28''$  East along said road centerline 154.01 feet; thence South  $52^{\circ}$  East along said road centerline 61.77 feet; thence South  $49^{\circ} 08' 33''$  East along said road centerline 7.5 feet; thence leaving said road North  $33^{\circ} 50' 10''$  East, 462.57 feet, more or less to a point on the North line of said Government Lot Four (4) which bears North  $87^{\circ} 42' 17''$  West, 442.9 feet from the point of beginning; thence South  $87^{\circ} 42' 17''$  East along the North line of said Government Lot Four (4) 442.9 feet to the point of beginning; **TOGETHERWITH** that frontage portion of said property lying between the line of ordinary high tide, lying adjacent to and abutting thereon and lying between the West and Easterly lines thereof extended to said line of ordinary high tide; **EXCEPTING THEREFROM** any portion thereof lying outside of the line of ordinary high tide; **EXCEPTING THEREFROM** Pillar Rock-Altoona County Road right-of-way; **ALSO EXCEPTING THEREFROM** a strip of land 100 feet in width heretofore conveyed to the Columbia River & Grays Harbor Railroad Company by deed recorded November 1, 1907, in Volume "K" of Deeds, page 453, records of Wahkiakum County, Washington (**SEE NOTE 1**); **SUBJECT TO AND TOGETHERWITH** an easement across this and the remainder of said Government Lot Four (4) for the use of the beach water frontage for recreational purposes to be used in common with the other owners of said legal subdivision; **SUBJECT TO** the right to take water from a creek source on said property and to maintain a water line and water system for such purpose for the benefit of other property; **SUBJECT TO** an easement for a beach access road across the adjacent property to the Northwest of approximately 60 feet lying East of the Creek; as more particularly set-forth in that certain survey filed for record July 8, 1991, under Auditor's File No. 40953, in Volume 4 of Surveys, page 21, records of Wahkiakum County, Washington.

Situate in the County of Wahkiakum, State of Washington.

