

SURFACE WATER REGISTRATION CHECKLIST

(received after July 18, 1990)

CHECK BASIN MAP PER NAME SOUTH # 17 UNADJUDICATED AREA ? yes
RECEIPT # 95314 Coast S W R NUMBER 164
CHECK ENCLOSURES See PRELIMINARY DATA BASE ENTRY DW
ACKNOWLEDGEMENT LETTER see ENTER ON STREAM INDEX _____
CHECK QUADRANGLE MAP 71 CHECK GLO PLATS _____
WATERMASTER CHECKLIST _____ PUBLIC NOTICE PUBLICATION See

FORM REVIEW

_____ blanks filled in
_____ signed
_____ date received stamped

MAP REVIEW

#1 ✓ source and trib
#2 ✓ diversion point location
#3 ✓ conveyances (pipes, ditch, etc.)
_____ place of use 1/4 1/2's IDENTIFIED, DOMESTIC USE SHOWN
_____ scale
_____ township, range, section
_____ north arrow
_____ CWRE stamp
_____ disclaimer
_____ date survey was performed
_____ P.O.B. of survey
#4 ✓ dimensions and capacity of diversion system
_____ "beneficial use" type title
#5 ✓ "permanent-quality" paper
#6 1/10 acre

WATER RIGHT RECORD CHECK _____ FIELD INSPECTION _____

FINAL FILE REVIEW _____ FINAL DATA BASE ENTRY _____

ENTER ON PLAT CARDS _____

August 6, 1993

WATER
RESOURCES
DEPARTMENT

Harvey Wilcox
% Stuntzner Engineering
PO Box 118
Coos Bay OR 97420

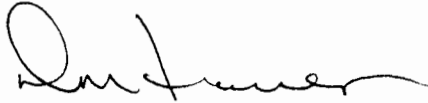
re: swr-164

Dear Mr Wilcox,

This will acknowledge the receipt of the corrected map you sent to support the pre-1909 vested water right claim of Dolly Smith. The map appears to be in satisfactory form and I will add it to the file.

Thanks for your prompt attention to my request. If you have any questions, please give me a call.

Sincerely,



Don Knauer
Adjudication Specialist

J:\W\S\C\1\SWR-0164.002



3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

June 30, 1993

WATER
RESOURCES
DEPARTMENT

HARVEY WILCOX
3190 N LAKE ROAD
LAKESIDE OR 97449

RE: File# **SWR-164**

DEAR HARVEY WILCOX,

The Water Resources Department (WRD) received a little over 500 surface water registration statements in December, 1992. All of the files have been set up and receipts for the fees have been sent. The next step is to insure the maps received in support of the claims are acceptable based on Oregon Revised Statutes (ORS) and Oregon Administrative Rules (OAR).

I am returning the map you prepared for Dolly J. Smith. You will find the item which requires completion or correction shown below. I have the description followed by the ORS or OAR site and paraphrased statute or rule.

✓ diversion point location

ORS 539.240 (2) (d) (A) "...in reference to an established corner of the US public lands survey or recorded subdivision..." The domestic use must be clarified, such as the house with the pipe going to it.

✓ conveyance

ORS 539.120 "...the location of and each ditch, canal, pipeline or other means of conveying the water..." Again, the domestic use must be clarified.

✓ place of use (1/4 1/4)

ORS 539.240 (2) (d) (B) "The location of place of use by quarter-quarter section..." The 1/4 1/4's in which use occurs must be identified on the map. I would suggest brackets on the stream channels to show the limits of stockwater use. The location of the house must be shown.



3850 Portland Rd NE
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$\frac{1}{10}$ acre

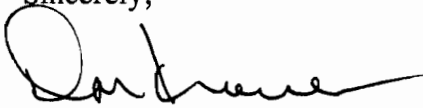
OAR 690-28-025-(4)-(d) "The number of acres irrigated in each quarter quarter shall be shown to the nearest tenth of an acre."
The area shown on the map scales about 0.1 acre.

I am enclosing a copy of the checklist and claim to beneficial use report information used by the adjudication section. You may find it useful in preparing the required map and information. Many Certified Water Right Examiners have seen these and are using them.

You must return the map before the claim can be processed. If you cannot have the map to the WRD within 60 days, please inform me as to when it can be expected. Please mark all correspondence with the file number.

As always, if you have any questions, please give me a call.

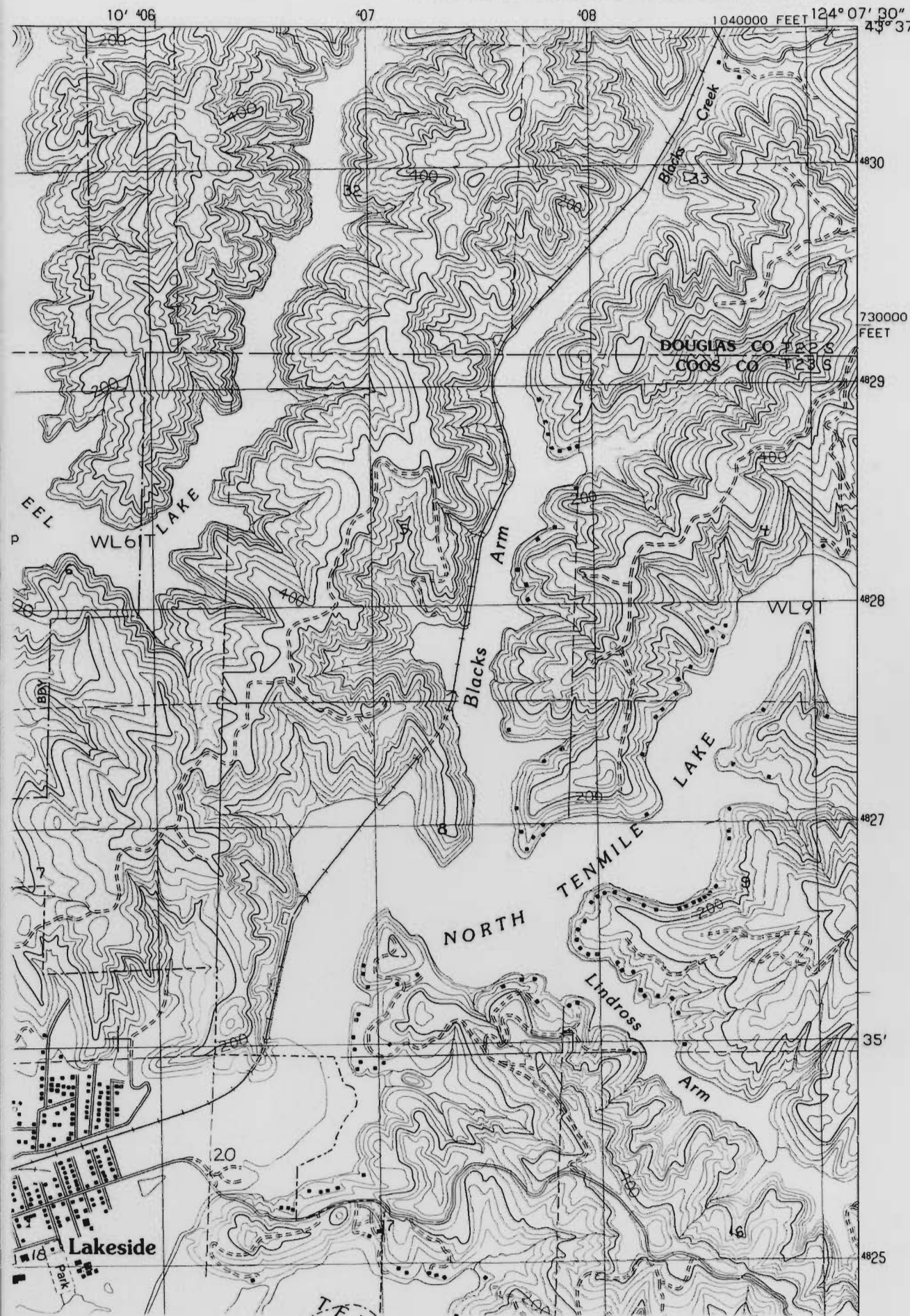
Sincerely,



Don Knauer
Adjudication Specialist

Enclosures

LAKESIDE QUADRANGLE
OREGON
7.5 MINUTE SERIES (TOPOGRAPHIC)



January 21, 1993

DOLLY J SMITH
8715 SCHOFFIELD
REEDSPORT OR 97467

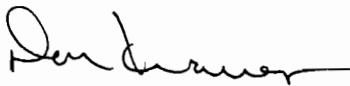
Dear MS SMITH,

This will acknowledge that your Surface Water Registration Statement in the name of DOLLY J SMITH has been received by our office. The fees in the amount of \$430.00 have been received and our receipt #95314 is enclosed. Your registration statement has been numbered SWR-164.

Our office will review your form and map in the near future. If necessary we will schedule a meeting with you that will include a site inspection. If there are problems with your form we are usually able to take care of them during our visit. We will be able to answer any questions you might have about the adjudication process at that time.

Please feel free to contact this office if you have any questions.

Sincerely,



Don Knauer
Adjudication Specialist

Enclosure

C:\WP51\SWR\CLAIMANT\SWR-0164.001



3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

STATE OF OREGON
WATER RESOURCES DEPARTMENT
RECEIPT # 35314 3850 PORTLAND ROAD NE
SALEM, OR 97310
378-8455/378-8130 (FAX)

RECEIVED FROM: Dolly J. Smith APPLICATION
BY: PERMIT
TRANSFER
CASH: ☐ CHECK: # 96-104 OTHER: (IDENTIFY) ☐
TOTAL REC'D \$ 430.00

01-00-0 WRD MISC CASH ACCT

842.010	ADJUDICATIONS	\$ <u>430.00</u>
831.087	PUBLICATIONS/MAPS	\$
830.650	PARKING FEES Name/month	\$
	OTHER: (IDENTIFY)	\$

02-00-0 FEDERAL FUNDS

	OTHER: (IDENTIFY)	\$
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03-00-0 WRD OPERATING ACCT

MISCELLANEOUS:		
840.001	COPY FEES	\$
850.200	RESEARCH FEES	\$
880.109	MISC REVENUE: (IDENTIFY)	\$
520.000	OTHER (P-6): (IDENTIFY)	\$
WATER RIGHTS:		
842.001	SURFACE WATER	EXAM FEE \$
842.003	GROUND WATER	842.002 \$
842.005	TRANSFER	842.004 \$
WELL CONSTRUCTION		842.006 \$
842.022	WELL DRILL CONSTRUCTOR	EXAM FEE \$
842.016	WELL DRILL OPERATOR	842.023 \$
	LANDOWNER'S PERMIT	842.019 \$
		842.024 \$
		LICENSE FEE

06-00-0 WELL CONST START FEE

842.013	WELL CONST START FEE	\$	CARD #	
	MONITORING WELLS	\$	CARD #	

45-00-0 LOTTERY PROCEEDS

864.000	LOTTERY PROCEEDS	\$
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07-00-0 HYDRO ACTIVITY

842.011	POWER LICENSE FEE(FW/WRD)	LIC NUMBER	\$
842.115	HYDRO LICENSE FEE(FW/WRD)		\$

	HYDRO APPLICATION	\$
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RECEIPT # 35314 DATED: 12-22-92 BY: D Bushnell
Distribution—White Copy-Customer, Yellow Copy-Fiscal, Copy-Fiscal

Stuntzner Engineering & Forestry

ENGINEERING * LAND SURVEYING * FORESTRY
PLANNING * WATER RIGHTS **RECEIVED**

705 South 4th Street - Post Office Box 118
Coos Bay, Oregon 97420

AUG - 6 1993

Phone (503) 267-2872 Fax (503) 267-0588 WATER RESOURCES DEPT.

TO Don Knauer	AT Water Resources	SALEM, OREGON
SUBJECT Dolly Smith WR's SWR-164	DATE 8/4/94	

Don

I replotted the map to include the additional
info you wanted on it as per your
letter and our phone conversation.

Harry Wiley

DATE

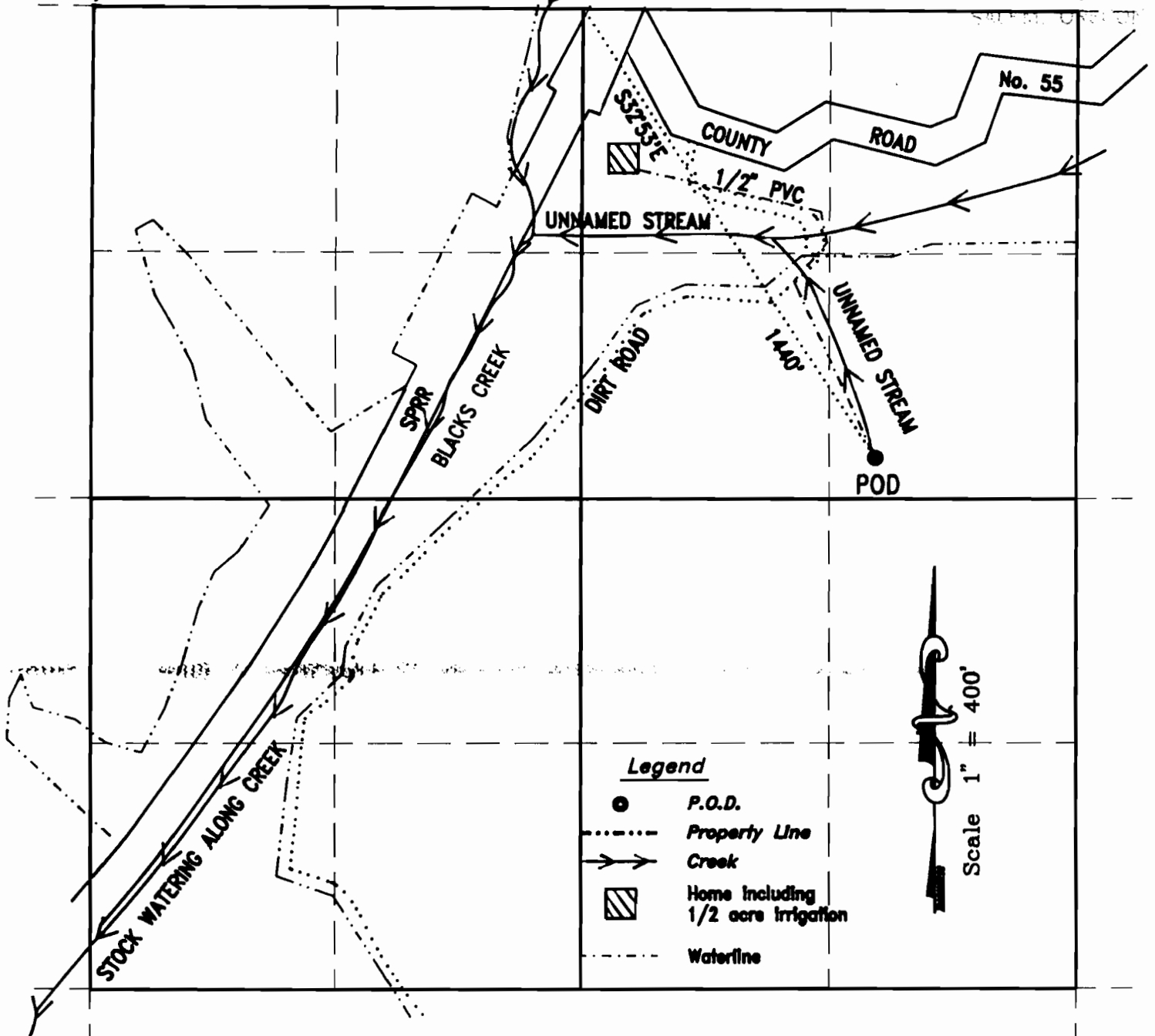
SIGNED

Section 33 Township 22S Range 12W W.M.
Coos County

W1/16

N1/4 S33

E1/16



Legend

- P.O.D.
- Property Line
- Creek
- ▨ Home including 1/2 acre irrigation
- - - - - Waterline

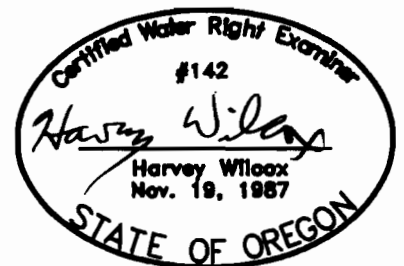
Scale 1" = 400'

EXAMINERS DISCLAIMER STATEMENT

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 lines.

PRE 1909 VESTED WATER RIGHT
IN THE NAME OF
Dolly Smith

Surveyed on December 1, 1992 by H.A. Wilcox



NORTH
TEN MILE
LAKE

STUNTZNER ENGINEERING & FORESTRY

ENGINEERING SURVEYING FORESTRY WATER RIGHTS PLANNING

DEC 23 1977

CLAIM OF BENEFICIAL USE AND SITE REPORT FOR PRE 1909 VESTED WATER RIGHTS.

INFORMATION:

THE PERMITEE IS DOLLY SMITH. I TALKED TO LONNIE ALEXANDER ON THE SITE. LONNIE IS A FRIEND OF DOLLY SMITH. LONNIE SHOWED ME THE WATER WORKS AND STATED THAT THE ORIGINAL SYSTEM PIPED WATER TO THE BARN WHERE IT WAS CARRIED TO THE HOUSE BY HAND. THE PIPELINE WAS LATER EXTENDED TO THE HOUSE. THE PIPE WAS DISCONNECTED IN ONE AREA WHEN I WAS THERE BECAUSE OF LOGGING. THERE IS A WATER RIGHT ACROSS THE DRAW TO THE NORTH THAT IS PRESENTLY BEING USED AS THE PRIMARY SOURCE BECAUSE THIS CREEK DOES NOT PRODUCE AS WELL AS IT USED TO SINCE THE ADJOINER LOGGED THE HILLSIDE ABOVE.

ADDRESS: DOLLY SMITH
9715 SCHOLFIELD RD
REEDSPORT, OREGON 97467

PHONE: 759-3679

SOURCE:

THE SOURCE IS AN UNNAMED STREAM, A TRIBUTARY OF AN UNNAMED STREAM THAT IS A TRIBUTARY OF BLACKS CREEK.

DIVERSION POINT:

THE DIVERSION POINT IS A SMALL ROCK AND EARTH DAM BUILT IN THE CREEK NEAR THE TOP OF THE FLOW. STOCK WATERING IS FROM BLACKS CREEK FOR THE FULL LENGTH OF THE PROPERTY.

MOTOR/PUMP:

THIS IS A GRAVITY SYSTEM.

PIPE

THERE IS 100' OF 1 1/4" BLACK PLASTIC WATERLINE WHICH REDUCES TO 3/4" FOR ANOTHER 100' WHICH REDUCES TO 1/2" FOR 850' FOR A TOTAL OF 1050' OF WATERLINE ON TOP OF THE GROUND. THERE IS RESIDUAL STEEL WATERLINE FROM THE PREVIOUS SYSTEM.

HEADS

IRRIGATION OF LAWN AND GARDEN IS ACCOMPLISHED WITH A STANDARD 5/8" GARDEN HOSE AND WAVE SPINKLER. I WAS UNABLE TO TAKE A PRESSURE READING BECAUSE THE LINE WAS TEMPORARILY DISCONNECTED DO TO LOGGING.

USES

THE WATER IS BEING USED FOR DOMESTIC HOUSEHOLD USE INCLUDING IRRIGATION OF LESS THAN 1/2 ACRE OF LAWN AND GARDEN AND FOR STOCK WATERING DIRECTLY FROM BLACKS CREEK.

LIFT

THE POD IS 96' HIGHER THAN THE HOUSE.

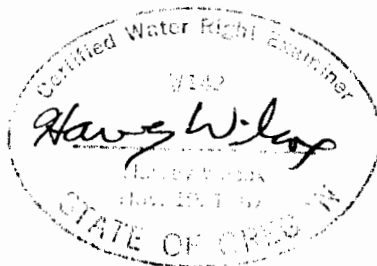
CALCULATIONS

SEE THE ATTACHED CALCULATION SHEET AND NOMOGRAPH. THE SYSTEM CAPABILITY IS .0045 CFS.

SURVEY TIE

THE POINT OF DIVERSION AND HOUSE WERE TIE TO THE N1/4 OF SECTION 33 WITH A THEODOLITE AND EDM. A COMPASS WITH DECLINATION OF 18 DEGREES EAST WAS USED AS THE BASIS OF BEARINGS.

THE PRE 1909 VESTED WATER RIGHTS SURVEY AND INSPECTION OF THE USE WAS COMPLETED BY ME ON DEC. 1, 1992. THE FACTS CONTAINED ON THIS REPORT ARE CORRECT TO THE BEST OF MY KNOWLEDGE.



I, DOLLY SMITH, AGREE TO THE FINDINGS OF THE CWRE AND DO SUBMIT THIS SITE REPORT AND MAP AS MY CLAIM OF BENEFICIAL USE OF THE WATER AS PROVIDED UNDER THE TERMS AND CONDITIONS OF PRE 1909 VESTED WATER RIGHTS.

SIGNATURE

Dolly J. Smith

Calculations

I was unable to measure the pressure so I calculated it from the measured difference in elevation. (Measured with a theodolite and EDM).

$$\Delta h = 96'$$

$$P = (62.4 \text{ lb/ft}^3) (96 \text{ ft}) \frac{1 \text{ ft}^2}{(12 \text{ in})^2} = 41.6 \text{ psi}$$

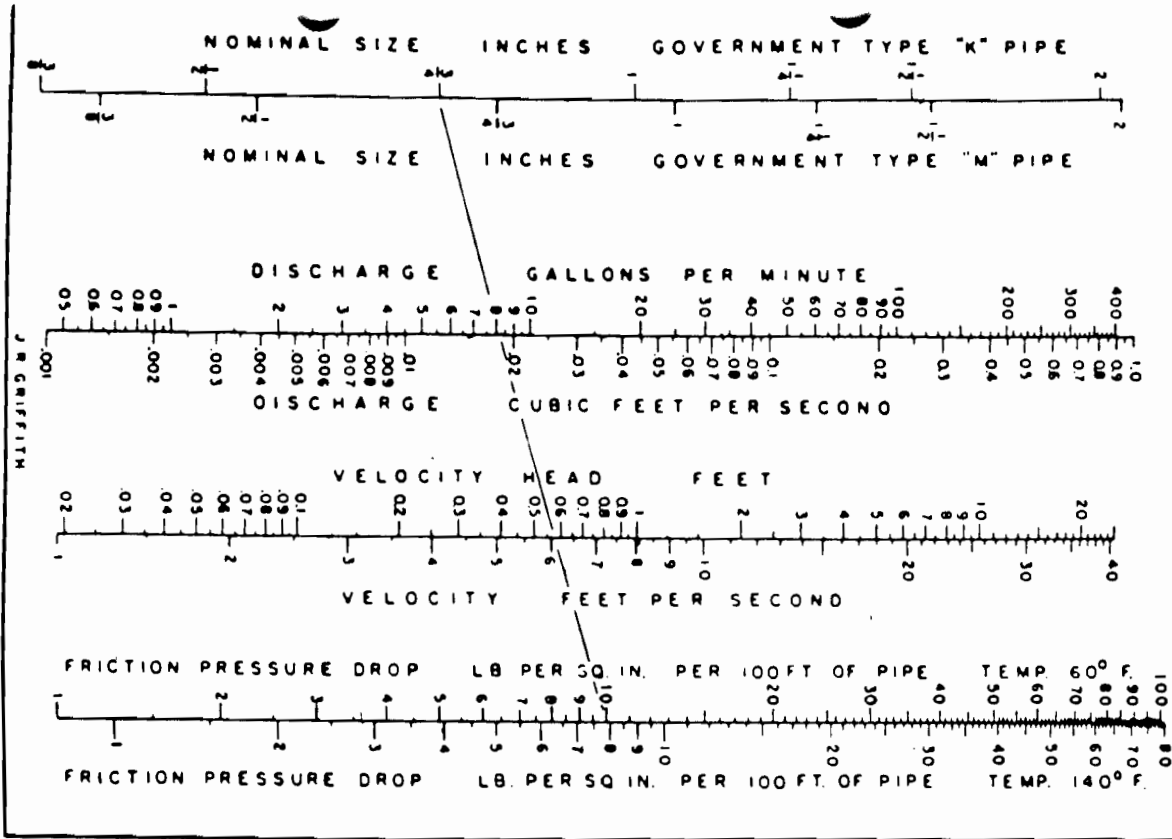
$$\text{PSI per 100' of line} = \frac{41.6}{10.5} = 3.96$$

I used the attached nomograph to get the capacity of 0.0045 cfs. This is assuming $\frac{1}{2}$ " pipe all the way. The capacity is probably higher due to part of the line being larger than $\frac{1}{2}$ ".

Flow of Water in Small Pipes

3/4 to 2-in. diam.

FLOW OF WATER IN
COPPER & BRASS PIPES



THERE have been numerous nomographic charts published for the flow of water in pipes, including four of my own. However, I have not previously seen one applicable to pipes in the smaller size ranges.

The accompanying chart is based on tabular data published by the Bridgeport Brass Co.* Being applicable to the flow of water at temperatures both 60 deg. F. and 140 deg. F., it should be convenient in the design of building and boiler installations. It would be applicable to pipes of other material of corresponding smoothness with care being taken for corrosive waters.

Government types "K" and "M" have been included, the difference being in the wall thickness and internal diameter. The following table indicates the difference for the included sizes:

Nominal Size, in.	Outside Dia., in.	Wall Thickness, in. Type "K"	Wall Thickness, in. Type "M"
3/4	.500	.049	.025
1	.625	.049	.028
1 1/4	.875	.065	.032
1 1/2	1.125	.065	.035
1 3/4	1.375	.065	.042
2	1.625	.072	.049
2 1/2	2.125	.083	.058

A single straight line intersecting all scales is necessary for a solution of this chart. Any two known, or assumed, values will determine the direction of the solution line. A solution line has been drawn for the following problem:

Required to determine the discharge of water at 60 deg. F. in 3/4-in. Government type "K" copper tube for a total pressure

drop of 20 lb. per sq. in. for a 200-ft. run of pipe.

Pressure drop = $\frac{20}{2} = 10$ lb. per sq. in. per 100 ft.

A line has been drawn between the pipe size and this pressure drop. The following information is then obtained from the other scales:

- Discharge = 8.2 gal. per min.
- Discharge = 0.018 cu. ft. per sec.
- Velocity = 6.1 ft. per sec.
- Velocity head = 0.57 ft.
- Pressure loss for same pipe but water at 140 deg. F. would be 7.9 lb. per sq. in. per 100 ft. of pipe.

From the tables,* Discharge = 8.2 gal. per min.

Discharge = $\frac{8.2}{448.83} = 0.0183$ cu. ft. per sec.

Area of 3/4-in. type "K" pipe

$A = \frac{3.1416(0.875 - 2(0.065))^2}{4} = 0.436$ sq. in.

$\text{Area} = \frac{0.436}{144} = 0.00303$ sq. ft.

$\text{Vel.} = \frac{\text{Discharge}}{\text{Area}} = \frac{0.0183}{0.00303} = 6.04$ sec. ft.

$\text{Velocity head} = \frac{V^2}{2g} = \frac{6.04^2}{64.4} = 0.567$

*Water Pipe Sizes, by Walter S. Timmala, Bridgeport Brass Co., Bridgeport, Conn.

NOTES FOR 1967 EDITION

Not many references pertaining to small diameter tubing or pipe are available at present, particularly as regards head loss in fittings or bends. Manufacturers data must be consulted for these situations. It should be noted that this chart presents flow data only for straight sections of the described pipe. TJM

190 N. 14th St.
P.O. Box 206
Lakeside, OR97449

DEC 22 1992

NOTARY PUBLIC
SALEM, OREGON

To Whom It May Concern:

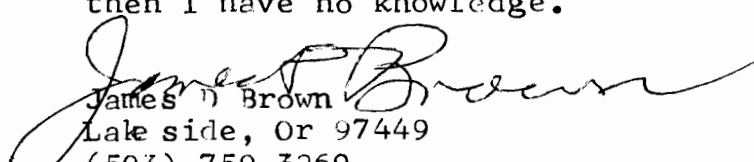
I offer the following in support of a pre-1909 water right claim by Dolly Smith, 1815 Schofield Ave. Reedsport, OR 97467. Since my date of birth is 10/18/31, what I offer is based on family history and knowledge.

In the late 1890's or early 1900's, my maternal grandparents, Angus R and Risha C Mac Donald, established a farm and commercial operation at the head of Black Creek arm, North Ten Mile Lake (now called Black's arm) in Douglas County, Oregon. The place was known locally as "The Glen." By July 13, 1903, when my mother, Cynthia Mac Donald, was born there was a two story home, barns, a number of sheds, and a commercial operation which marketed butter, some type of "farmer's cheese," apple butter in season, and brewer's yeast. In addition to dairy cows, some beefs stock was also carried.

Water for these operations came from the south side of what is now called East Canyon. Water was diverted up near the hillside and carried to the buttery. In those days and until the 1950's --when I was there last-- a stream on the north side of East Canyon joined the one on the south side. Just to the west of the junction a stock water place had been made, as otherwise the banks were too steep to allow the animals to have access to water.

Still further to the west, just before the stream flowed out of East Canyon and across the main valley and flowed into the main stem of Black Creek, there was another point of diversion of water for use in irrigating the "Big" or main garden.

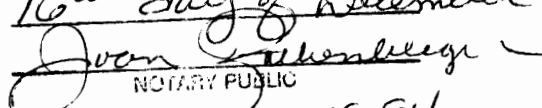
I understand that there has been some changes in the location of ditches since the last time I was there, but the point is that the stream on the south side of East Canyon (we called it Salmon Gulch) has been used since before 1909. After 1916, when the railroad came through until the passenger service was abandoned in 1954, a private station, "Willard" was maintained and used to ship goods. I can pretty much attest to continuous use-age until my parents sold the place in the early 1960's. Since then I have no knowledge.


James D. Brown
Lakeside, Or 97449
(503) 759-3269
Dec. 16, 1992

STATE OF OREGON
COUNTY OF COOS

SUBSCRIBED AND SWORN TO BEFORE ME

THIS 16th day of December


JOAN S. SCHENCK
NOTARY PUBLIC

MY COMMISSION EXPIRES 2-19-94