

Name William and Florence Howell
By _____
Address Box 151
Imbler, OR 97841

Date filed June 15, 1979
Priority June 15, 1979
Action suspended until OK Cert

Return to applicant _____
Date of approval AUG 31 1979

CONSTRUCTION

Date for beginning AUG 31 1980
Date for completion OCT 1 1981
Extended to _____

Date for application of water _____
Extended to _____

PROSECUTION OF WORK

Form "A" filed _____
Form "B" filed _____
Form "C" filed May 26, 1981

FINAL PROOF

Blank mailed SEP 09 1988
Proof received NOV 17 1988
Date certificate issued _____

Application No. R 58787

Permit No. R 7844

Certificate No. 58083
secondary apparently 58785

Stream Index, Page No. 8-12C

*SEE 58785
58786
58788*

Plan - Dam Safety H-49

Date

To Whom

ASSIGNMENTS

Address

Volume

Page

CARD FOR A SEP 19 1980

REMARKS

1979 B10 WOLF

FEES PAID

Date	Amount	Receipt No.
<u>6-15-79</u>	<u>30.00</u>	<u>11924</u>

Cert. Fee

FEES REFUNDED

Date	Amount	Check No.

8/24/79 - As-built plans will be provided
by applicant's engineer.
Ok - Gary

Form B (690-9-77)

Application No. R-58787
58785

NOTICE OF COMPLETION OF CONSTRUCTION

I, Wm & Florence Howell, the holder of Permit No. R-7844
44320
to appropriate the public waters of the state of Oregon, completed the construction of the works described
therein on the April day of 1980

Remarks:

If the works have less capacity than described in the permit, or you have definitely abandoned part of the proposed develop-

ment, you should so state in order that our records may not be unnecessarily encumbered.

IN WITNESS WHEREOF, I have hereunto set my hand this 26th day of May, 1980

Wm & Florence Howell
(Signature of Applicant)

Same
(Address)

Fill out, detach and mail to the Water Resources Department, Salem, OR 97310, when construction work is completed.

RECEIVED

MAY 26 1980
WATER RESOURCES DEPT.
SALEM, OREGON

OK
for both
2/25

44320

DATE 7/12/88

MEMO

TO: Certificate Section

FROM: Dam Safety

RE: File R- 58787
Old channel Grande Ronde River Loop

We recommend approval for 56 acre-feet.

Please include the following statement on the certificate:

"The dam is to be operated and maintained in accordance to the approved plans and specifications."

Howard Daggett

(see back)

7/13/88

I called William Howell and he informed me that ^{nearly} every year he fills the reservoir to the top of the dyke. He says that in fact during high run-offs the river overflows the dyke and fills it all the way to the top, including covering the island in the center.

LD

Application No. R-58787

Permit No. R 7844

STATE OF OREGON WATER RESOURCES DEPARTMENT

Application for a Permit to Construct a Reservoir

RECEIVED
JUN 15 1979
WATER RESOURCES DEPT.
SALEM, OREGON

I, William and Florence Howell
of Box 151, Imbler, Oregon, 97841
(Mailing Address) (City)

State of _____, Phone No. 534-5893
(Zip Code)

do hereby make application for a permit to construct the old channel Grande Ronde River loop reservoir
and to store the unappropriated waters of the State of Oregon, subject to existing rights.

1. The name of the stream from which the reservoir is to be filled is Grande Ronde River
tributary to Snake

2. If not in channel of a stream, state how it is to be filled. By volume pump from Grande Ronde River and by spring runoff during high water.

3. The dam will be located in the NW 1/4 1/4 of the NW 1/4 1/4 of Section 28
Township 1S, Range R39E, W. M.

4. The maximum height will be 15 feet above stream bed or ground surface at the
centerline. The top width will be 10 feet, slope of upstream face 3:1,
slope of downstream face 3:1, and height of dam above water line when full
2.5 feet.

5. The dam will be (check one) X earthfill, _____ concrete, _____ flashboard, _____ other.
If "other", give description: _____

6. Give the location, description, and dimensions of the outlet conduit: 12" steel pipe
in the base of dam with head gate on storage side.

(All dams across natural stream channels must be provided with an outlet conduit, of such capacity and location to pass the normal flow of the stream at any time)

Application No. R-58187

Permit No. R 7844

**Permit to Construct a Reservoir
and Store for Beneficial Use the Public Waters
of the State of Oregon**

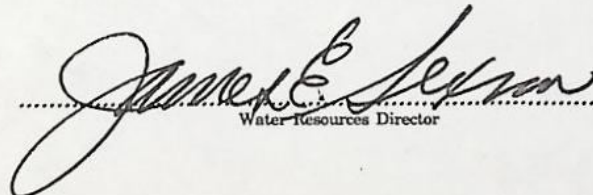
This is to certify that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions. The right herein granted is limited to the construction of a reservoir and storage of water from the Grande Ronde River to be appropriated under application No. 58785, permit No. 44320, for irrigation.

The right hereunder shall be limited to the storage of -56-0- 2 1/2 acre feet.

The priority date of this permit is June 15, 1979

Actual construction work shall begin on or before August 31, 1980 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1981

WITNESS my hand this 31st day of August, 1979


Water Resources Director

ok
Gary

RESERVOIRS

INFO: NAME: William & Florence HowellADDRESS: Box 151TALKED TO: William HowellSOURCES: ReservoirRemarks: They pump the water with a volume pump from Grande Ronde River to the Reservoir. Then repump the water on to the land. ~~total~~ useful space 5.6'RESERVOIR: Surface: William & Florence Howell : no riprap

STRUCTURAL DETAIL:

DAM: HEIGHT: 15LENGTH: 50MIN. CREST WIDTH: 10UPSTREAM SLOPE: 3:1DOWNSTREAM SLOPE: 5:1OUTLET: LOCATION: HORIZONTAL:VERTICAL: screwSIZE: 12" This is too small according to Mr. HowellTYPE: conduitCONTROL WORKS: TYPE: screwLOCATION: to north sideSPILLWAY: LOCATION: no just outlet.

CONSTRUCTION MATERIAL:

BASE WIDTH:

SIDE SLOPES:

DEPTH:

CHANNEL SLOPES:

RESERVOIR: SURFACE ACRES: 4.5MAXIMUM DEPTH: useful space 5.6' dead space 6.4'FACTOR: 2.4MORE FEET: unusefulADDITIONAL INFO: There is some space.

TIE: MONUMENTS:

SURVEYED ON: 179-2712WHOLE 125 x 4.5 x .4 = 22.5 AC-FT
USEFUL 5.6 x 4.5 x .4 = 10.08 AC-FTVernon Lee Church

FIELD ENGINEER

DATE: 8-23-83

NOTE:

44320

$$Q_{ACRES} \quad \frac{185.3}{40} = 4.63 \text{ cfs}$$

$$Q_{PUMP} \quad \frac{6.61(150)}{2.31(70+40)} = 4.92$$

$$Q_{HEAD} \quad \begin{array}{l} 66 \times 23.9 = 1577.4 \\ 132 \times 11.2 = 1478.4 \\ \hline 3055.8 \end{array} \div 6.79$$

$$Q_{ALLOW} \quad \underline{\underline{4.63 \text{ cfs}}}$$

44321

$$Q_{ACRES} \quad \frac{259.7}{40} = 6.49$$

$$Q_{PUMP} \quad \frac{6.61(125)}{2.31(80+40)} = 3.68$$

$$Q_{HEAD} \quad \begin{array}{l} 110 \times 23.2 = 1232 \\ 54 \times 23.9 = \end{array}$$

$$Q_{gpm} \quad 1400 = 3.11$$

$$Q_{ALLOW} \quad \underline{\underline{3.11 \text{ cfs}}}$$

STATE OF OREGON

COUNTY OF UNION

PROPOSED CERTIFICATE OF WATER RIGHT

WILLIAM AND FLORENCE HOWELL,
of P.O. BOX 151, IMBLER, OREGON 97841, has constructed a reservoir to
store the waters of GRANDE RONDE RIVER IN OLD CHANNEL GRANDE RONDE
LOOP RESERVOIR, a tributary of SNAKE RIVER APPROPRIATED UNDER PERMIT
44320, for the purpose of IRRIGATION.

The right to store these waters has been perfected under Reservoir
Permit R-7844. The date of priority is JUNE 15, 1979. The amount of
water entitled to be stored each year under such right is not more
than 56.0 ACRES FEET.

The reservoir is located as follows:

NW 1/4
SECTION 28
TOWNSHIP 1 SOUTH, RANGE 39 EAST, W.M.

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

R-58787



Water Resources Department

MILL CREEK OFFICE PARK

555 13th STREET N.E., SALEM, OREGON 97310

PHONE 378-8131

App # 50375
38621
58785
58786
R-58787

April 16, 1984

1979 B-10

William F. Howell
P. O. Box 151
Imbler, OR 97841

Dear Mr. Howell:

Your request for a release of U.C.C. filing No. 41635 is approved subject to the following conditions:

- 1) Payment of six thousand dollars (\$6,000.00) toward the principal balance of your loan, 1979 B-10;
- 2) Pay all costs incurred by the Department for the release (\$3.75).

Permission for the sale of a part of the security is granted. Please send a copy of the terms of the sale.

If you have any questions, please contact Bud Bartels, Manager of the Water Development Loan Program.

Sincerely,

WILLIAM H. YOUNG
Director

WHY:slv

1802C

INSPECTION REPORT

Bill Howell 1979 B-10

September 22, 1983 Ves Garner

WDLF 1979 B-10

30375

38621

58785

58786

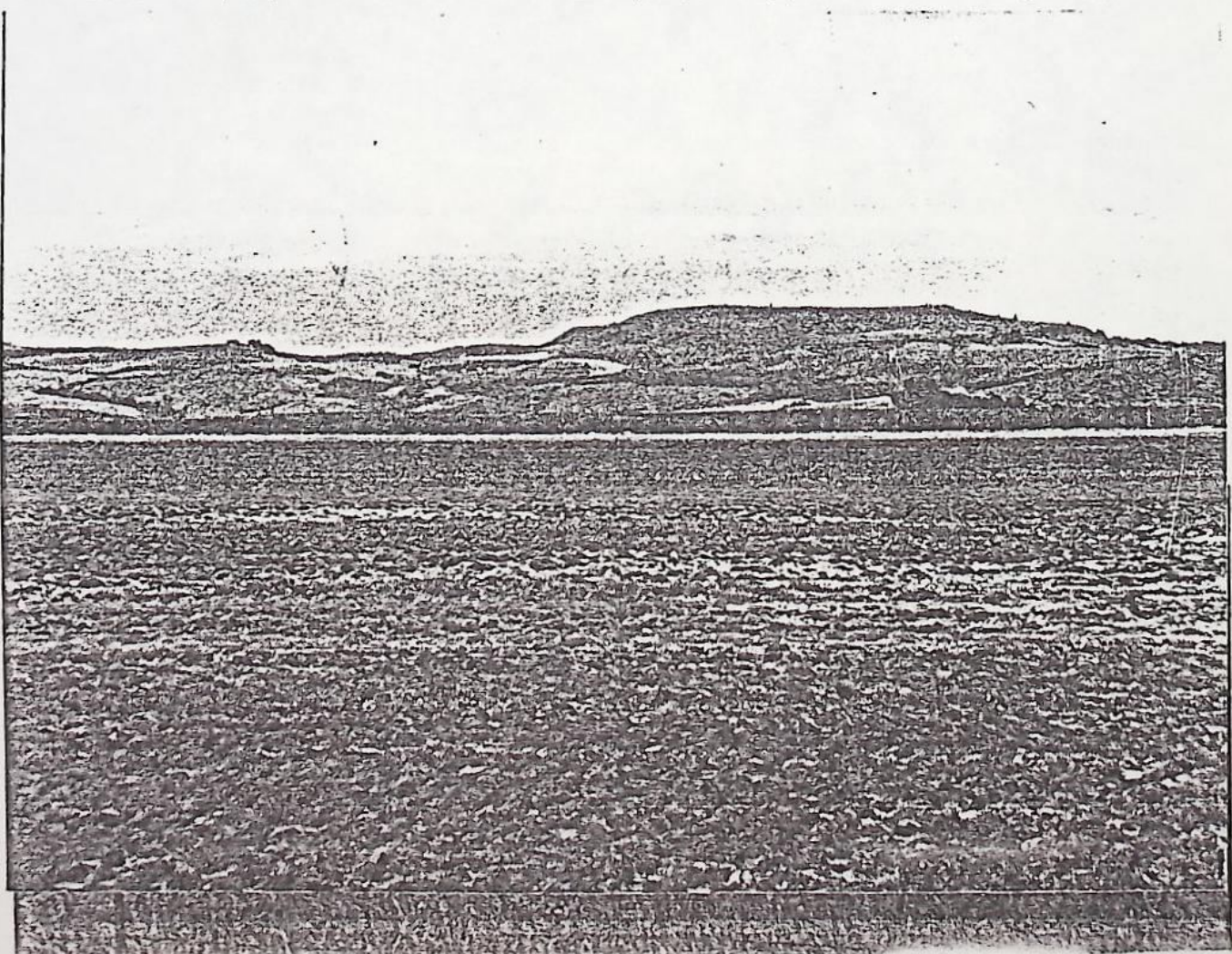
R-58787

On September 22, 1983 I made the annual inspection of Bill Howell's project near Imbler in Union County.

The project is a reservoir, two pumps, buried PVC pipeline, and four wheel lines for irrigation of grain and grass seed crops. The project enlarged an existing system and has been improved on since completion.

Most crops of grass seed had been harvested as well as all grain. It appears the irrigation is completed for the season.

The reservoir pump had been removed. The project appears to be doing well.





RECEIVED

OCT 19 1979

WATER RESOURCES DEPT
SALEM, OREGON

STEPHEN C. ANDERSON P.E. PRES.
HOWARD L. PERRY P.E. SEC./TREAS.

October 17, 1979
Job No. 4097-10-00

Water Resources Department
555 13th Street N. E.
Salem, Oregon 97310

Attn: Gary Hobolholtzer

Dear Gary:

Attached herewith is one Sepia and three prints of the record drawings for the Howell Dam near Imbler, Oregon. These drawings represent, to the best of our knowledge, the geometry of the dam constructed by Mr. Bill Howell.

You will note on the drawing that the embankment was constructed in two fill sections, one labeled Original Fill and the second labeled Secondary Fill. The original fill material was constructed generally over the Labor Day weekend by Price Excavators of La Grande. Density tests were not taken during the construction process and therefore after the original fill was placed several backhoe holes were excavated in the dam section to determine in-place densities. As noted on the drawing, the in-place densities varied from 95% compaction to 79% compaction with the average density being approximately 90%. Because the original fill did not meet the recommended compaction of 95%, the owner placed, on his own accord, additional material on the up-stream side of the dam. This material is labeled Secondary Fill. The engineer did not observe the quality nor the density of this fill material.

This drawing is submitted so that Mr. Bill Howell's permits may be finalized by the Department of Water Resources.

engineering

P.O. Box 1107
La Grande, Ore.
97850
(503) 963-8309

surveying

P.O. Box 365
Walla Walla, Wash.
99362
(509) 529-9260

materials testing

P.O. Box 268
Enterprise, Ore.
97828
(503) 426-4085

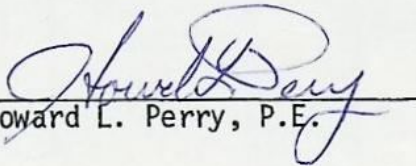
P.O. Box 538
John Day, Ore.
97845
(503) 575-0660

Water Resources Department
October 17, 1979
Page -2-

Attached herewith also are two photos of the finished downstream face of the dam.

Should you need additional information or have any questions regarding the material presented on the drawings, please feel free to give me a call.

Very truly yours,


Howard L. Perry, P.E.

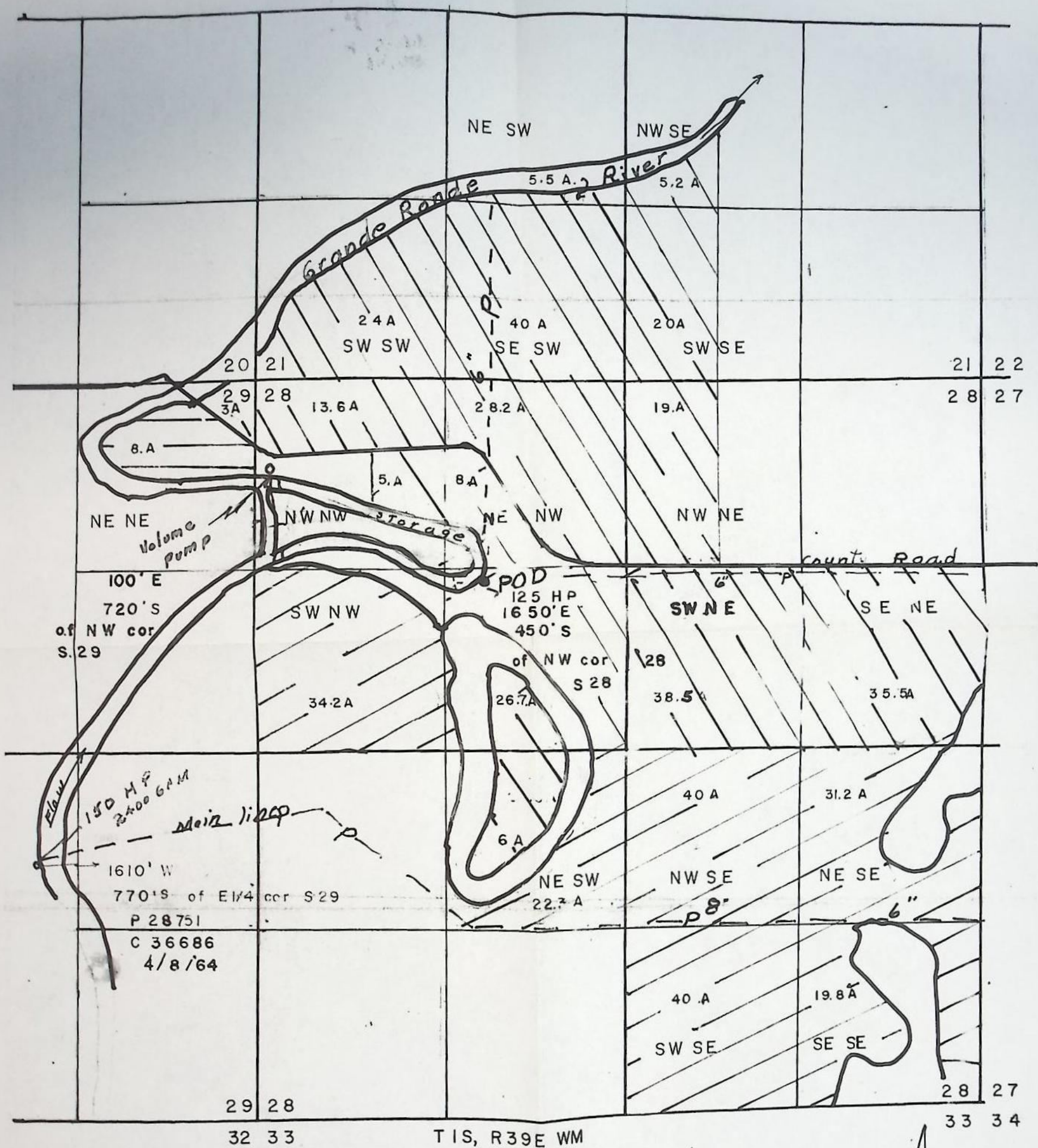
HLP/ncc
Enclosures
cc: Mr. Bill Howell
Imbler, Oregon 97841

William F. & Florence Howell

Box 151

Imbler, Oregon 97841

125 HP
1650 E
450 S



Application No.
Permit No.

58785
58786
R-58787
58788
44322
R 7841
44322

Scale 1" = 660'
From aerial photo AIH-IMM-143
June 1, 1979

Resources Department
CREEK OFFICE PARK
th STREET N.E., SALEM, OREGON 97310

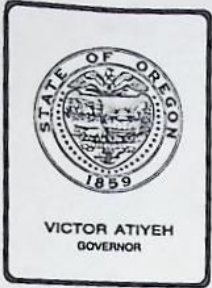
PHONE

September 17, 1979

R-58787
58785

William and Florence Howell
Box 151,
Imbler, OR 97841

44320



Water Resources Department
MILL CREEK OFFICE PARK

555 13th STREET N.E., SALEM, OREGON 97310

PHONE 378-3066

August 28, 1979

William and Florence Howell
Box 151
Imbler, OR 97841

RE: Files No. 58785, 58786, R-58787 & 58788

Dear Mr. & Mrs. Howell:

Thank you for returning your corrected applications numbered 58785, 58786, R-58787 and 58788, and the map. Also received was the additional permit recording fee of \$25.30 for which our receipt number 13028 is enclosed.

As stated in my letter, \$3.90 has been transferred from application number 58786 to application number 58785.

Also received was the information required to approve construction of your reservoir.

Permits will be issued for use of water from the Grande Ronde River and its tributaries. However, water may not be available during dry periods. The water may be needed to satisfy existing rights or minimum flow standards.

Your applications are now in satisfactory form and will be considered further for the issuance of permits in 30 to 60 days.

Sincerely,

Donald R. Buell
Water Rights Engineer

DRB:slm
Enclosure: Receipt No. 13028
cc: Water Rights Loan Program



Water Resources Department
MILL CREEK OFFICE PARK

555 13th STREET N.E., SALEM, OREGON 97310

PHONE 378-3066

Files 58785, 58786,
R-58787, 58788

July 10, 1979

William and Florence Howell
Box 151
Imbler, OR 97841

Dear Mr. and Mrs. Howell:

We have received your applications. The first is requesting a permit to use 2.91 cubic foot of water per second from the Grande Ronde River for the irrigation of 278.2 acres and has been numbered 58785. Also with this application we received a map and fee of \$75.50 for which our receipt numbered 11922 is enclosed.

The second application is requesting a permit to use 2.79 cubic foot of water per second from the Grande Ronde River for the irrigation of 200.5 acres and was received with fees of \$81.30 for which our receipt numbered 11923 is enclosed. This application has been numbered 58786.

The third application, which has been numbered R-58787, is requesting a permit to construct the old channel Grande Ronde River loop reservoir and store 56.0 acre feet of water from the Grande Ronde River for irrigation. With this application we received supporting data and fees of \$30.00 for which receipt numbered 11924 is enclosed.

The last application is requesting a permit to use 0.10 cubic foot of water per second from the Grande Ronde River for the irrigation of 8.0 acres and has been numbered 58788. With this application we received fees of \$30.00 for which receipt numbered 11925 is enclosed.

There would appear to be a duplication of the coverage between applications numbered 58785 and 58786. In the NE $\frac{1}{4}$ NW $\frac{1}{4}$ and NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 28, application numbered 58786 included 8.0 acres and 5.0 acres respectively. Those acreages have also been included in those $\frac{1}{4}$ sections under application numbered 58785. The application map which you submitted would indicate this should be included under application No. 58785 and not under 58786.

If this is the case, the total acreage to be irrigated under application numbered 58786 would be 187.5 acres, and the fee required for that application would be \$77.40. Application numbered 58785 requires additional permit recording fees of \$29.20; however, if my assumptions are right from the total acreage, \$3.90 can be transferred from application numbered 58786

C O P Y

July 10, 1979
William and Florence Howell
Page Two

making the additional fees required \$25.30.

Application numbered 58785 should include the reservoir as a source of water under Item #1. Item #2 of this application locates the pumping point from the reservoir in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 28, and the diversion from the River the SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 28. These would appear to be reversed and should be corrected.

Items #7, #8, and #9 should be completed on both applications 58785 and 58786.

The duty of water for irrigation from the Grande Ronde River and its tributaries is 1/40th of one cubic foot per second per acre or 0.025 cubic foot of water per second. You have calculated the amount of water which you requested on your applications as 1/80th c.f.s. per acre. If you so desire, you may apply for the increased amount of water under these applications and receive a different priority date for the additional amount of water on each application.

As you discussed with Gary Oberholtzer of our office, in order for the storage in the reservoir to be approved by him, cross sections of the reservoir will be required if you have not already supplied that information.

I am returning the applications numbered 58785 and 58786 and 58788 for completion and correction. Your applications are endorsed so that in order to retain their priority date, they must be received in this office on or before September 10, 1979.

Sincerely,

DONALD R. BUELL
Water Rights Engineer

DRB:tld