

Appendix I

Water Rights Information

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Water Right Self-Assessment Form for Water System Plan

Mouse-over any link for more information. Click on any link for more detailed instructions.

<u>Water Right Permit, Certificate, or Claim #</u> <small>*If water right is interruptible, identify limitation in yellow section below</small>	<u>WFI Source #</u> <small>If a source has multiple water rights, list each water right on separate line</small>	<u>Existing Water Rights</u> <small>Qi= Instantaneous Flow Rate Allowed (GPM or CFS) Qa= Annual Volume Allowed (Acre-Feet/Year) This includes wholesale water sold</small>				<u>Current Source Production – Most Recent Calendar Year</u> <small>Qi = Max Instantaneous Flow Rate Withdrawn (GPM or CFS) Qa = Annual Volume Withdrawn (Acre-Feet/Year) This includes wholesale water sold</small>				<u>10-Year Forecasted Source Production (determined from WSP)</u> <small>This includes wholesale water sold</small>				<u>20-Year Forecasted Source Production (determined from WSP)</u> <small>This includes wholesale water sold</small>			
		<u>Primary Qi</u> <small>Maximum Rate Allowed</small>	<u>Non-Additive Qi</u> <small>Maximum Rate Allowed</small>	<u>Primary Qa</u> <small>Maximum Volume Allowed</small>	<u>Non-Additive Qa</u> <small>Maximum Volume Allowed</small>	<u>Total Qi</u> <small>Maximum Instantaneous Flow Rate Withdrawn</small>	<u>Current Excess or (Deficiency) Qi</u>	<u>Total Qa</u> <small>Maximum Annual Volume Withdrawn</small>	<u>Current Excess or (Deficiency) Qa</u>	<u>Total Qi</u> <small>Maximum Instantaneous Flow Rate in 10 Years</small>	<u>10-Year Forecasted Excess or (Deficiency) Qi</u>	<u>Total Qa</u> <small>Maximum Annual Volume in 10 Years</small>	<u>10-Year Forecasted Excess or (Deficiency) Qa</u>	<u>Total Qi</u> <small>Maximum Instantaneous Flow Rate in 20 Years</small>	<u>20-Year Forecasted Excess or (Deficiency) Qi</u>	<u>Total Qa</u> <small>Maximum Annual Volume in 20 Years</small>	<u>20-Year Forecasted Excess or (Deficiency) Qa</u>
1 SWC 9985	NA	1,248 gpm	0 gpm	756 afy	0 afy	0 gpm	0 gpm	0 afy	0 afy	0 gpm	0 gpm	0 afy	0 afy	0 gpm	0 gpm	0 afy	0 afy
2 GWC 6595-A	S01 – Ranney Well	152 gpm	1,248 gpm	0 afy	756 afy	1,400 gpm	0 gpm	756 afy	0 afy	1,400 gpm	0 gpm	756 afy	0 afy	1,400 gpm	0 gpm	756 afy	0 afy
3 G2-29241P	S01 – Ranney Well	1,400 gpm	0 gpm	1,430 afy	0 afy	700 gpm	700 gpm	131 afy	1,299 afy	700 gpm	700 gpm	466 afy	964 afy	700 gpm	700 gpm	763 afy	667 afy
4																	
5																	
6																	
TOTALS =		2,800 gpm ¹		2,186 afy		2,100 gpm ²	700 gpm	887 afy	1,299 afy	2,100 gpm ²	700 gpm	1,222 afy	964 afy	2,100 gpm ²	700 gpm	1,519 afy	667 afy

Column Identifiers for Calculations: A B C =A-C D =B-D E = A-E F =B-F G =A-G H =B-H

PENDING WATER RIGHT APPLICATIONS: Identify any water right applications that have been submitted to Ecology.						
Application Number	New or Change Application?	Date Submitted	Quantities Requested			
			Primary Qi	Non-Additive Qi	Primary Qa	Non-Additive Qa
G2-29998	New	5/18/2001	2,100 gpm	0	1,470 afy	0 afy

INTERTIES: Systems receiving wholesale water complete this section. Wholesaling systems must include water sold through intertie in the current and forecasted source production columns above.															
Name of Wholesaling System Providing Water	Quantities Allowed In Contract		Expiration Date of Contract	Currently Purchased				10-Year Forecasted Purchase				20-Year Forecasted Purchase			
	Current quantity purchased through intertie			Forecasted quantity purchased through intertie		Forecasted quantity purchased through intertie									
	<u>Maximum Qi</u> <small>Instantaneous Flow Rate</small>	<u>Maximum Qa</u> <small>Annual Volume</small>		<u>Maximum Qi</u> <small>Instantaneous Flow Rate</small>	<u>Current Excess or (Deficiency) Qi</u>	<u>Maximum Qa</u> <small>Annual Volume</small>	<u>Current Excess or (Deficiency) Qa</u>	<u>Maximum Qi</u> <small>10-Year Forecast</small>	<u>Future Excess or (Deficiency) Qi</u>	<u>Maximum Qa</u> <small>10-Year Forecast</small>	<u>Future Excess or (Deficiency) Qa</u>	<u>Maximum Qi</u> <small>20-Year Forecast</small>	<u>Future Excess or (Deficiency) Qi</u>	<u>Maximum Qa</u> <small>20-Year Forecast</small>	<u>Future Excess or (Deficiency) Qa</u>
1 None															
2															
3															
TOTALS =															

Column Identifiers for Calculations: A B C =A-C D =B-D E =A-E F =B-F G =A-G H =B-H

INTERRUPTIBLE WATER RIGHTS: Identify limitations on any water rights listed above that are interruptible.		
Water Right #	Conditions of Interruption	Time Period of Interruption
1 None		
2		
3		

ADDITIONAL COMMENTS:
Existing year data from 2018. Without water use efficiency used for projected water demand. ¹ Since no water is being diverted directly from the Lewis River under SWC 9985, all water is being withdrawn from the Ranney Well as authorized by the water rights. ² 2,100 gpm represents the current pumping capacity of the Ranney Well.

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Certificate SWC 9985

Lewis River

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STATE OF WASHINGTON, COUNTY OF Cowlitz

CERTIFICATE OF SURFACE WATER RIGHT

(In accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the State Supervisor of Water Resources thereunder.)

This is to certify that TOWN OF WOODLAND

of Woodland, State of Washington, has made proof to the satisfaction of the State Supervisor of Water Resources of Washington, of a right to the use of the waters of Lewis River, a tributary of Columbia River, with point or points of diversion within the Milly Bozerth D.L.C. No. 41, within Town of Woodland Sec. 18, Twp. 5 N., R. 1 E., W. M., under and subject to provisions contained in appropriation Permit No. 14710 issued by the State Supervisor of Water Resources, and that said right to the use of said waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the State Supervisor of Water Resources of Washington and entered of record in Volume 20, at Page 9985, on the 16th day of June, 1967 that the priority date of the right hereby confirmed is August 5, 1966; that the amount of water under the right hereby confirmed, for the following purposes is limited to an amount actually beneficially used and shall not exceed 2.78 cubic feet per second, 756 acre-feet per year, during entire year to supply a population of 3000 in 1999.

A description of the lands under such right to which the water right is appurtenant, and the place where such water is put to beneficial use, is as follows:

Town of Woodland

Proof of Appropriation of Water

Application No. 19805

Permit No. 14710

1. Name of Permittee Town of Woodland, a municipal corporation
2. Postoffice address 100 Davidson Avenue, Woodland, Cowlitz County, Wash.
3. Source of appropriation Lewis River, Tributary of Columbia
4. Name or number of works (if any) one with two pumps
5. For what purpose or purposes is water used? municipal supply
6. Give date of beginning of construction Present pump house, 1938; prior construction/ 1910
7. Give date of completion of construction work, including water distribution system
1938 - 1967 present system - 1910 prior system
8. Give date when water was completely applied to proposed use. 1938 present pump house
1910 prior pump house
9. If used for irrigation:
Give number of acres described in permit _____
(Give number of acres actually irrigated) _____
10. If used for power: HP actually developed _____
11. LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS USED:

2200 feet North and 400 feet East from the Southwest corner of Section 18, Township Five (5) North, Range One (1) East of Willamette Meridian, being within the Milly Bozarth D.L.C. No. 41 and the Town of Woodland.

12. During what months is water used? entire calendar year
13. Does map filed with your application show correctly the location of well or point of diversion for withdrawal of water, and area of land where water is used? yes
14. If the dimensions, location or type of structure do not correspond to those described in your permit, state what changes have been made, giving dimensions, etc. none
15. Actual measured discharge or diversion of permanent system: 2.78 cfs (gpm or cfs)

*OK for cert,
like permit
E-71*

STATE OF WASHINGTON, }
County of Cowlitz } ss.

I, B. E. McDowell, Mayor, Town of Woodland, being first duly sworn, depose and say that I have read the above and foregoing proof of appropriation; that I know the contents thereof; and that the facts therein stated are true.

IN WITNESS WHEREOF, I have hereunto set my hand this 6 day of June, 1957

B. E. McDowell, Mayor x

Subscribed and sworn to before me this 6th day of June, 1957

James J. Davis
Notary Public.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
Division of Water Resources

Permit to Appropriate Public Waters of the State of Washington

Book No. 37 of Permits, on Page 16710 Under Application No. 19803

TOWN OF WOODLAND

of Woodland, Washington

is hereby granted a permit to appropriate the following described public waters of the State of Washington, subject to existing rights and to the following limitations and provisions: Permittee shall construct and maintain at his own expense a weir, or other suitable device, for measuring any water granted herein for irrigation purposes and such appropriation shall be subject to a reasonable rotation system if ordered by the State Supervisor of Water Resources. 1) The diversion intake shall be tightly screened at all times with wire having a mesh opening not greater than .125 (1/8) inch. 2) No dam shall be constructed in connection with this diversion. 3) As provided under R.C.W. 43.21.130 and 90.03.360, a master meter shall be installed in this system to measure the total amount of the diversion.

Priority date of this permit is August 5, 1966

Source of the proposed appropriation is Lewis River

tributary of Columbia River

The quantity of water appropriated shall be limited to the amount which can be beneficially applied and not to exceed 2.78 cubic feet per second, or its equivalent in case of rotation, to be used for the following purposes: municipal supply

as more definitely set out below.

The approximate point of diversion is located 2200 feet north and 400 feet east from the southwest corner of Sec. 18

being within Millie Bogarth D.L.C. No. 41,
within Town of Woodland Sec. 18, Twp. 5 N., Rge. 1 E. W. M.,
county of Coville

The use, or uses, to which water is to be applied:

FOR DOMESTIC SUPPLY AND MISCELLANEOUS USES: _____ cubic feet per second during entire year for _____ to be used within _____ Sec. _____, Twp. _____ N., Rge. _____ W. M.,

FOR IRRIGATION: _____ cubic feet per second, _____ acre-feet per year, from _____ to _____ each year, for irrigation of _____ acres, described as follows:

Town of Woodland

For Power: cubic feet per second continuously each year. Total power to be developed theoretical horse power. Total fall to be utilized feet.

Nature of works by means of which power is to be developed

Works to be located in Sec., Twp. N., Rge. W. M.

Water to be returned to

Point of return Sec., Twp. N., Rge. W. M.

Use to which power is to be applied

FOR MUNICIPAL SUPPLY: 756 acre-foot per year
2.75 cubic feet per second during entire year to supply
population of 3000 in 1999.

DESCRIPTION OF DIVERSION WORK

2 - 600 gallon per minute centrifugal pumps on river bank, 10' main line to storage reservoir (0.675 acre-foot)

Height of dam ft.; Length on top ft.; Length on bottom ft.

Material to be used and character of construction

Description of headgate

CANAL SYSTEM

At HEADGATE: Width on top (at water line) ft.; Width on bottom ft.;

Depth of water ft.; Grade ft. fall per one thousand feet.

At MILES FROM HEADGATE: Width on top (at water line) ft.; Width on

bottom ft.; Depth of water ft.; Grade feet per one thousand feet.

(Please read carefully provisions below)

Construction work shall begin on or before Started

and shall thereafter be prosecuted with reasonable diligence and completed on or before

Completed

and complete application of water to proposed uses shall be made on or before

June 1, 1968

Given under my hand and the seal of this office at Olympia, Washington, this 24th day of

May 19 67

[Signature]
State Supervisor of Water Resources



[Handwritten mark]

REPORT OF EXAMINATION

Date of application August 5, 1966 Date of examination Feb. 17, 1967 Application No. 19805
Name Town of Woodland Address 100 Davidson Ave., Woodland, Wash.
Quantity applied for 5.0 c.f.s. Use Municipal supply 98674
Source of appropriation Lewis River Tributary of Columbia River
Legal sub./ within Hilly Bozarth D.L.C. No. 41, within Town of Woodland,
Sec. 18 Twp. 5 N. Rge. 1 E. County Cowlitz
Measured or estimated quantity See records Probable low flow Same
Quantity previously appropriated: W.T. _____ CWT. _____ ET. _____
Other use made of water Power generation and irrigation
Diversion works contemplated or observed 2 - 800 gallon per minute centrifugal pumps on river bank,
10" main line to storage reservoir (0.675 acre-feet)
Other equipment Chlorination station
Irrigable acreage: Planned _____ Present _____ Feasible _____
Other water rights appurtenant to this land Claim to vested right
Progress of project Completed and in use
Protests None recorded
Quantity recommended (total) 2.78 c.f.s. Irrig. 0 Dom. 0
Power 0 Municipal 2.78 c.f.s., 756 acre-feet Other uses 0
per year
Department of Fisheries and Game report See below

Special remarks and provisions:

In accordance with the recommendations of the Departments of Fisheries and Game, the permit shall be issued subject to the provisions that: 1. The diversion intake shall be tightly screened at all times with wire having a mesh opening not greater than .125 (1/8) inch. 2. No dam shall be constructed in connection with this diversion.

According to a 1960 engineering study by Stevens & Thompson, the combined capacity of the two existing pumps is 1250 gallons per minute, or 2.78 cubic feet per second. Approval is granted for that quantity since the system is complete and in use.

The annual quantity, 756 acre-feet, is based upon an estimated per capita demand of 225 gallons per day and a population of 3,000 as of 1999.


As provided under R.C.W. 43.21.130 and 90.03.360, a master meter shall be installed in this system to measure the total amount of the diversion.

(over)

Use of the waters to be appropriated under this application will be for a public water supply. State Board of Health rules require every owner of a public water supply to obtain written approval from the State Director of Health prior to any new construction or alterations of a public water supply. The applicant is advised to contact the State Department of Health, 304 Public Health Bldg., Olympia, with regard to the need for compliance.

In accordance with Section 90.09.290 R.C.W., I find that there is water available for appropriation from the source in question and that the diversion proposed in the application will not impair existing rights or be detrimental to the public welfare. Therefore, permit should issue as recommended above, subject to existing rights and indicated provisions.

Signed this 6 day of May, 1967


WILLIAM R. SMITH, Geologist
Division of Water Resources

Please send \$10.00 minimum statutory examination fee with application.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
Division of Water Resources

PRIORITY	
Date	8/5/66
Time	9:30 AM
Accepted	JMB

APPLICATION FOR A PERMIT

To Appropriate Public Waters of the State of Washington

(Read directions on last page carefully before filling out this form)

Application No. 19805

I, Town of Woodland, a municipal corporation

(Name of applicant)

of 100 Davidson Ave., Woodland, Cowlitz County, Washington 98674

(Complete postoffice address)

do hereby make application for a permit to appropriate the following described public waters of the State of Washington subject to existing rights:

If the applicant is a corporation, give date and place of incorporation.

a municipal corporation

1. The source of the proposed appropriation is ~~North Park Lewis River~~ North Park Lewis River
tributary of ~~Lewis River~~ Columbia River
(Name of stream)

2. The amount of water which the applicant intends to apply to beneficial use is 5.0
cubic feet per second, acre-feet per year.

3. The use to which the water is to be applied is municipal water supply
(Irrigation, power, mining, manufacturing, domestic supplies, etc.)

4. Time during which water will be required each year ~~entire year~~ continuously

5. The approximate point of diversion is located ~~near center of S. W. 1/4 on Lewis River~~ near center of S. W. 1/4 on Lewis River 2200' N & 400' E from SW corner of Sec. 18
(Give distance and bearing to section corner)

Miley Center D.C. No. 41, within Town of Woodland, within
being within the ~~S. W. 1/4~~ S. W. 1/4 Sec. 18, Tp. 5 N., R. 1 E. W. M.,
(Give smallest legal subdivision) (E. or W.)

in the county of Cowlitz

6. The main pipe line to be approx. 1-1/2'
(Main ditch, canal, or pipe line) ft. or miles in length, terminating
in the near center of Sec. 6, Tp. 5 N., R. 1 E. W. M.,
(Smallest legal subdivision) (E. or W.)

the proposed location being shown on the accompanying map.

7. Estimated cost of development necessary to utilize fully the appropriation herein asked for \$ developed.

8. Does the stream from which you wish to appropriate water flow through the tract of land on which the water is to be used? alongside and adjacent to.

9. DESCRIPTION OF WORKS:

(a) DIVERSION WORKS—

(1) Height of diversion dam ; length on top feet; length on bottom feet; material to be used and character of construction

(Loose rock, concrete, masonry, rock and brush, timber crib, etc., wasteway over or around dam)

(2) Description of headgate

(Timber, concrete, etc., number and size of openings)

(b) Description of Ditch or Pipeline System _____

10. IRRIGATION: Number of acres to be irrigated _____

11. MUNICIPAL OR COMMUNITY WATER SUPPLY:

To supply the city or community of Woodland Cowlitz County, having a present population of 1550 and an estimated population of 3000 in 1989

(a) Estimated present requirement _____

12. LEGAL DESCRIPTION OF PROPERTY on which water is to be used, for all purposes other than Municipal Supply or Power (Copy legal description from deed) _____

Town of Woodland

Use this
(P)

(a) What interest do you have in the above described property _____

(b) Are there any existing water rights appurtenant to the above described property _____

If so, from what source _____

13. POWER:

(a) Total amount of power to be developed _____ H. P.
(Theoretical horsepower)

(b) Total fall to be utilized _____ feet.
(Head)

(c) The nature of the works by means of which the power is to be developed _____

(d) Such works to be located in _____ of Sec. _____, Tp. _____ N, Rge. _____ W. M.
(Legal subdivision) (E. or W.)

(e) To what stream is the water to be returned? _____

(f) Locate point of return _____ Sec. _____, Tp. _____ N, Rge. _____ W. M.
(E. or W.)

(g) The use to which power is to be applied is _____

14. WORK SCHEDULE:

(a) Construction work will begin on or before _____

(b) Construction work will be completed on or before _____

Completed
see notes

Triplicate maps of the proposed ditch or other work, prepared in accordance with the rules of the State Supervisor of Water Resources, accompany this application.

(SIGN HERE) [Signature] TOWN OF WOODLAND Address 100 Davidson Ave., Woodland, Wn.
(MAYOR) (Agent)

(SIGN HERE) [Signature] Address 100 Davidson Ave., Woodland, Wn.
(Clerk) (County of Thurston)

Signed in the presence of us as witnesses:

- (1) _____ (Name) _____ (Address of witness)
- (2) _____ (Name) _____ (Address of witness)

Remarks:

STATE OF WASHINGTON, }
COUNTY OF THURSTON. } ss.

This is to certify that I have examined the foregoing application together with the accompanying maps and data, and return the same for correction or completion, as follows: _____

In order to retain its priority, this application must be returned to the State Supervisor of Water Resources, with corrections, on or before _____, 19____
WITNESS my hand this _____ day of _____, 19____

State Supervisor of Water Resources.

James E. Carty
Attorney at Law
782 Goerig
Woodland, Wash.
98674

Progress Sheet—Surface Water

PA 1118

NAME Town of Woodland
100 Davidson Avenue Assigned to _____
Woodland, Washington 98674 Date _____

APPLI. NO. 19805 PERMIT NO. 14710 CERT. NO. 9985

AMENDED _____ CANCELLED _____

Application received 8-8-66 Initial \$10.00 fee received 8-5-66
Statement of additional examination fee \$ _____ Sent _____ Received _____

Returned for completion or correction _____ Received _____

Temporary permit approved by _____ Issued _____

PUBLICATION: (P) Date 8/24/66 Notice sent 8-24-66
O.K.'d by _____
Protests _____
Filed _____

Affidavit received and checked 10-5-66 Time expires 10-5-66

Report of game: Approved _____ Proviso 10-21-1966 Protest _____
Report of fish: Approved _____ Proviso 10-21-1966 Protest _____

EXAMINATION made 2-17-67 by WJL
67 O.K.'d for permit 5-16-67 by EW

Statement of permit fee sent 5-8-67 Amount \$ 26.00 Received 5-16-67

PERMIT NO. 14710 ISSUED 5-24-67

BEGINNING OF CONSTRUCTION: Notice sent Started Filed _____
Extension fee \$ _____ Extended to _____
To _____

COMPLETION OF CONSTRUCTION: Notice sent Completed Filed _____
Extension fee \$2.00, extended to _____
To _____

PROOF OF APPROPRIATION: Notice sent 5-21-67 Filed _____
Extension fee \$2.00, extended to _____
To _____

Statement of certificate fee sent _____ Received _____
O.K.'d for certificate _____ by _____

CERTIFICATE OF WATER RIGHT NO. 9985 Issued 6-16-67

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Certificate GWC 6595-A

Ranney Well

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STATE OF WASHINGTON, COUNTY OF Cowlitz

Certificate of Ground Water Right

Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Water Resources thereunder.

THIS IS TO CERTIFY That TOWN OF WOODLAND

of Woodland, Washington, has made proof

to the satisfaction of the Department of Water Resources of Washington, of a right to the use of

the ground waters of a well (Ranney Collector)

located within Milly Bozarth D.L.C. No. 41, within the Town of Woodland

Sec. 18, Twp. 5 N., R. 1 E. W.M.,

for the purpose of Municipal supply

under and subject to provisions contained in Ground Water Permit No. 9214 issued by the Department of Water Resources and that said right to the use of said ground waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the Department of Water Resources of Washington and entered of record in Volume 14 at page 6595-A; that the right hereby confirmed dates from November 8, 1967; that the quantity of ground water under the right hereby confirmed for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed 1400 gallons per minute, 756 acre-feet per year for municipal supply for an estimated population of 3000 in 1999.

Special provisions required by the Department of Water Resources: As provided under RCW 43.21.130, 90.03.360, 90.44.250 and 90.44.020 a master meter shall be installed in this system to measure the total amount of the withdrawal. Issued as a supplemental supply to Surface Water Certificate No. 9985. The total withdrawal or diversion from both sources is not to exceed 756 acre-feet per year.

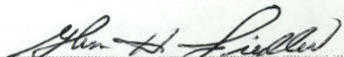
A description of the lands to which such ground water right is appurtenant:

Town of Woodland

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in Sections 6 and 7, Chapter 122, Laws of 1929.

This certificate of ground water right is specifically subject to relinquishment for nonuse of water as provided in Section 18, Chapter 233, Laws of 1967.

WITNESS the seal and signature of the Assistant Director, Division of Water Management, Department of Water Resources affixed this 29th day of September, 1969.



Assistant Director
Division of Water Management
Department of Water Resources

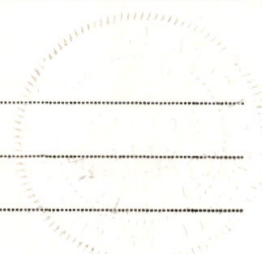


Proof of Appropriation of Water

Application No. 9046

Permit No. 9214

1. Name of Permittee Town of Woodland
2. Postoffice address 100 Davidson Avenue, Woodland, Washington
3. Source of appropriation North Fork of Lewis River
4. Name or number of works (if any) Well one (1) (Ranney Collector)
5. For what purpose or purposes is water used? Municipal System
6. Give date of beginning of construction March 11, 1968
7. Give date of completion of construction work, including water distribution system
September 15, 1968
8. Give date when water was completely applied to proposed use June 15, 1969
9. If used for irrigation:
Give number of acres described in permit _____
Give number of acres actually irrigated _____
10. If used for power: HP actually developed _____
11. LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS USED:
The Town of Woodland, a municipal corporation



Has Access Port or Airline Been Installed?

12. During what months is water used? entire year
13. Does map filed with your application show correctly the location of well or point of diversion for withdrawal of water, and area of land where water is used? yes
14. If the dimensions, location or type of structure do not correspond to those described in your permit, state what changes have been made, giving dimensions, etc. none
15. Actual measured discharge or diversion of permanent system: 1400 gpm (gpm or cfs)

*OK for cert issue
Like permit - EXCEPT
use source as on proof -
BET*

(Sign certification on reverse side)

STATE OF WASHINGTON,

County of COWLITZ

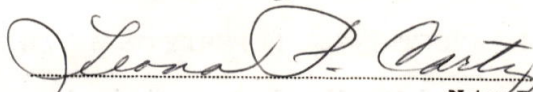
} ss.

I, WALTER CHURCH, JR., being first duly sworn, depose and say that I have read the above and foregoing proof of appropriation; that I know the contents thereof; and that the facts therein stated are true.

IN WITNESS WHEREOF, I have hereunto set my hand this 25th day of Aug., 1969.



Subscribed and sworn to before me this 25th day of Aug., 1969.



Notary Public.

STATE OF WASHINGTON
DEPARTMENT OF WATER RESOURCES
DIVISION OF WATER MANAGEMENT

Permit to Appropriate Public Ground Waters
of the State of Washington

Book No. 19 of Ground Water Permits, on page 9214 under Application No. 9046

TOWN OF WOODLAND

of Woodland, Washington

is hereby granted a permit to appropriate the following described public ground waters of the State of Washington, subject to existing rights, and to the limitations and provisions set out herein.

Priority date of this permit is November 8, 1967

Source of the proposed ground water appropriation is a well
within _____ area, _____ sub-area
_____ zone. Name or number of works is _____

Quantity of water appropriated shall be limited to the amount which can be beneficially applied and not to exceed 1400 gallons per minute; 756 acre-feet per year, to be used for the following purposes: municipal supply

as more definitely set out below.

Location of the well, tunnel, or infiltration trench is 145 feet north and 580 feet east from southwest corner of Sec. 18

being within Milly Bozarth D.L.C. No. 41, within the Town of Woodland, Sec. 18, T. 5 N., R. 1 E.W.M.
county of Cowlitz

Use, or uses to which water is to be applied:

For municipal supply: 1400 gallons per minute; 756 acre-feet per year, to supply an estimated population of 3000 in 1999

For irrigation: _____ gallons per minute; _____ acre-feet per year, for the irrigation of _____ acres.

For miscellaneous uses: _____ gallons per minute; _____ acre-feet per year, for _____

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Town of Woodland

DESCRIPTION OF WORKS FROM WHICH WATER IS TO BE WITHDRAWN

The well will be dug and have a diameter of 12 ^{feet}~~inches~~ and depth of 35 ± feet.
(Dug or drilled)

Description of tunnel or infiltration trench:

SPECIAL LIMITATIONS AND PROVISIONS: The installation of an access port as described in Ground Water Bulletin No. 1 shall be required prior to issuance of final Certificate of Water Right.

As provided under RCW 43.21.130, 90.03.360, 90.44.250 and 90.44.020, a master meter shall be installed in this system to measure the total amount of the withdrawal.

Issued as a supplemental supply to Surface Water Certificate 9985. The total withdrawal or diversion from both sources is not to exceed 756 acre-feet per year.

This permit shall be subject to cancellation should the permittee fail to comply with the development schedule contained herein and/or fail to give notice to the Division of Water Management on forms provided by said office documenting such compliance.

Construction work shall begin on or before July 1, 1970

and shall thereafter be prosecuted with reasonable diligence and completed on or before

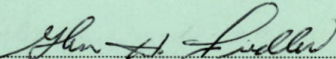
July 1, 1971

and complete application of water to proposed use shall be made on or before

July 1, 1972

Given under my hand and the seal of this office at Olympia, Washington, this 17th day of

July, 19 69



Assistant Director
Division of Water Management
Department of Water Resources



Report of Examination on Ground Water

Received date November 8, 1967 Date of exam. March 13, 1968 Appli. No. 9046

Name Town of Woodland Address 100 Davidson Ave., Woodland, Wn.

Type of works Ranny Water Collector System Dimensions 12' x 35'

Progress of works Not started

Quantity applied for 1400 4,000,000 gallons per day g.p.m. per day acre-feet per year

Legal sub. Milly / Sec. 18 Bozarth D.L.C. No. 41, within the Town of Woodland, in Twp. 5 N. Rge. 1 E. County Cowlitz

Use municipal supply

Irrigation-acreage: Present Planned Feasible

Municipal: Population 3000 as of 1999

Industrial

Time pump will be operated continuously

Other water rights appurtenant to this land Surface Water Certificate No. 9985

Proximity to existing works, springs, wells, or streams adjacent to Lewis River

Area Sub-area Zone

RECOMMENDATIONS

Approved for 1400 g.p.m. 756 acre-feet per year, subject to existing

water rights. (1 acre-foot 325,850 gallons.)

Use of the waters to be appropriated under this application will be for a public water supply. State Board of Health rules require every owner of a public water supply to obtain written approval from the State Director of Health prior to any new construction or alterations of a public water supply. The applicant is advised to contact the Washington State Department of Health, 304 Public Health Building, Olympia, with regard to the need for compliance.


As provided under RCW 43.21.130, 90.03.360, 90.44.250 and 90.44.020, a master meter shall be installed in this system to measure the total amount of the withdrawal.

The quantity recommended is based on a per capita consumption of 225 gallons per day or 756 acre-feet per year for an estimated population of 3000 in 1999.

Surface Water Certificate No. 9985 for 756 acre-feet per year is an appurtenance to the

land served; therefore, the permit will issue with the following provision: "Issued as a supplemental supply to Surface Water Certificate 9985. The total withdrawal or diversion from both sources is not to exceed 756 acre-feet per year."

Signed at Olympia, Washington
this 10 day of JUNE, 1969.



BRUCE A. CAMERON, Engineer
Division of Water Management

The Lewis River NEWS



Richard C. Pinkerton
Joan D. Pinkerton
editors and publishers

435 Davidson Ave. Woodland, Washington Ph. CA 5-4061

AFFIDAVIT OF PUBLICATION

STATE OF WASHINGTON

COUNTY OF COWLITZ

RICHARD C. PINKERTON, being first duly sworn on oath deposes and says that he is the Publisher of the LEWIS RIVER NEWS, a weekly newspaper. That said newspaper is a legal newspaper and has been approved as a legal newspaper by order of the superior court in the county in which it is published and is now and has been for more than six months prior to the date of the publications hereinafter referred to, published in the English language continually as a weekly newspaper in the Town of Woodland, Cowlitz County, Washington, and it is now and during all of said time was printed in an office maintained at the aforesaid place of publication of said newspaper; that the annexed is a true copy of a legal advertisement as it was published in regular issue (and not in supplement form) of said newspaper once a week for a period of two consecutive weeks, commencing on the 23rd day of NOV, 1967, and ending on the 30th day of NOV, 1967, both dates inclusive, and that such newspaper was regularly distributed to its subscribers during all of said period. That the full amount of the fee charged for the foregoing publication is the sum of \$ 6.51, which amount has been paid in full, at the rate of \$2.40 per hundred words for the first insertion, and \$1.80 per hundred words for each subsequent insertion.

Richard C. Pinkerton
Subscribed and sworn to before me this 5th day of December, 1967.

Bernice M. Lund
Notary Public in and for the State of Washington
Residing at Woodland, Wash.
LA Center

LEGAL NOTICE

State of Washington
Department of Water Resources
Olympia

Notice of Ground Water
Right Application No. 9046.

Take Notice:

That Town of Woodland of Woodland, Washington on November 8, 1967, filed application for permit to withdraw public ground waters through a well situated within the Milly Bozarth D.L.C. No. 41, within the Town of Woodland, in Section 18, Township 5 N., Range 1 E. W.M., in Cowlitz County, in the amount of 1400 gallons per minute, subject to existing rights continuously, each year for the purpose of municipal supply.

Any objections must be accompanied by a two dollar (\$2.00) recording fee and filed with the Department of Water Resources within thirty (30) days from November 30, 1967.

Witness my hand and official seal this 13th day of November, 1967.

H. W. POLLOCK
Assistant Director
Division of Water Management
Department of Water Resources
Published Nov. 23, 30, 1967



STATE OF WASHINGTON
DEPARTMENT OF WATER RESOURCES
Division of Water Management

PRIORITY	
Date.....	11-8-67
Time.....	3:30 PM
Accepted.....	WPK

APPLICATION FOR A PERMIT

To Appropriate Public Ground Waters
OF THE STATE OF WASHINGTON

Application No. G. W. 9046

I, Town of Woodland
(Name of applicant)
of 100 Davidson Avenue, Woodland, Washington
(Complete post office address)

do hereby make application for a permit to appropriate the following described public ground waters of the State of Washington, subject to existing rights. This application is made under the provisions of Chap. 263 of the Session Laws of 1945, and amendments thereto of the State of Washington and subject to the rules and regulations of the Department of Water Resources.

1. The proposed appropriation will be from a Ranney Water Collector System
(Well, tunnel, infiltration trench) WELL

located near intersection of North Goerig and Highway 503
(Give approximate distance and direction from nearest city or town)

Area..... Sub-area.....
(Leave blank) (Leave blank)

Zone.....
(Leave blank)

Applicant's name or number of well or other works, if any primary supply system
municipal supply

2. The quantity of water which applicant intends to withdraw for beneficial use is 1400
4,000,000 gallons per day capacity
gallons per minute; / 1 acre feet per year.

3. The use or uses to which water is to be applied municipal water supply

(Domestic supply, irrigation, municipal, manufacturing, industrial use, etc.)

4. The time during which water will be required each year entire continuously

5. Location of well or other works for withdrawal of water: In county of Cowlitz

175' N & 580' E from SW corner of Sec. 18
(a) ~~approximately 60 feet north of intersection of west bank of Lewis River~~
(Give distance and bearing from nearest corner of section or legal subdivision)

~~and the south line of Section~~
being within the Southwest quarter of Sec. 18, Twp. 5 N., Rge. 1 E of WM
(Give smallest legal subdivision) (E. or W.)

MILLY BOZARTH D.L.C. No 4, within the town of Woodland, WA CL 15
or (b) If within limits of recorded platted property, town or city: Lot....., Block.....

of Woodland, Washington
(Give name of plat or addition) (If within town or city, give name)

(c) Show this location on accompanying section plat. Other adequate maps or drawings will be acceptable.

6. DESCRIPTION OF WORKS: See attached plan

Ranney Collector

(a) Well will be dug and have a diameter of 12 feet inches and an estimated depth of 35 feet.

(b) Tunnels or trenches to be described: (Attach additional sheets if needed for full description.)

(c) Distribution system to be described:

(d) If pumps are to be used, give size and type:

(e) Give capacity and type of motor or engine to be used:

(f) If the location of the well, tunnel, or other works is less than one-fourth mile from a natural stream or stream channel, give the distance to the nearest point on each of such channels and the difference in elevation between the stream bed and the ground surface at the source of development:

(g) Ownership of each existing well or other works from which ground water is withdrawn within a radius of one-quarter mile and the distance and direction from well or other works being reported herein:

unknown

Table with 3 columns: (Name), (Direction), (Distance). Row 1: unknown, (Name), (Direction), (Distance). Row 2: (Name), (Direction), (Distance). Row 3: (Name), (Direction), (Distance).

SUPPLY THE FOLLOWING INFORMATION ACCORDING TO USE PROPOSED:

7. For Municipal Supply: To supply the city, town, or community of..., in the county of..., having a present population of..., and an estimated population of..., in 19...

8. For Irrigation: Number of acres to be irrigated... acres.

9. Legal Description of Property on which water is to be used for all purposes other than municipal supply:

(Copy legal description from deed)
(If more space is required, attach separate sheet)

Town of Woodland

PN

(On accompanying plat show location of the existing wells or works)

10. What interest do you have in the above described property?.....

in process of acquiring

(Owner, lessee, contract buyer, etc.)

11. Do you have any other water rights appurtenant to the above described property? **YES**

If so, from what source? ~~not applicable~~ **SEE CARDEX**

12. Construction work will begin on or before **within six months**

13. Construction work will be completed on or before **December 31, 1968**

14. Water will be put to complete beneficial use on or before **December 31, 1968**

TOWN OF WOODLAND

By: *B. M. Sawell*
(Signature of applicant) **Mayor**

15. Name and address of owner of land on which well or works are located:

unknown

(Name)

(Address)

(Signature of legal landowner)

Signed in the presence of us as witnesses:

James E. Lyles
(Name)
Lena J. Carty
(Name)

Woodland, Wash.
(Address of witness)
Shoeland, Washington
(Address of witness)

STATE OF WASHINGTON, }
COUNTY OF THURSTON. } ss.

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for correction or completion as follows:

In order to retain its priority, this application must be returned to the Department of Water Resources, with corrections, on or before....., 19.....

WITNESS my hand this..... day of....., 19.....

James E. Carty
Attorney at Law
782 Goerig
Woodland, Washington 98674

72
per

Progress Sheet—Ground Water Application

Town of Woodland
100 Davidson Avenue

NAME Woodland, Washington 98674

Assigned to.....

G. W. APPLI. NO. **9046** PERMIT NO. **9214** CERT. NO. **6595** A

AMENDED..... CANCELLED.....

Application received **11-8-67** Initial \$10.00 fee received **11-8-67**
Statement of additional examination fee \$..... Sent..... Received.....
Application returned for completion or correction..... Received.....

TEMPORARY PERMIT: Approved by..... Issued.....

PUBLICATION:
O.K.'d by *(Signature)* Date **11/10/67** Notice sent **11-13-67**
Protests.....
Filed.....
Affidavit received and checked **1-16-68** Time expired **12-30-67**
Amended notice sent..... Affidavit received.....
Time expires.....

DEPT. OF GAME REPORT.....

291 EXAMINATION Made **3-13-68** by **EEL + B L**
O.K.'d for permit **7-11-69** by **DEE**
Statement of permit fee sent **6-19-69** Amount \$ **20.00** Received **7-11-69**

PERMIT NO. **9214** ISSUED **7-17-69**

BEGINNING OF CONSTRUCTION: Notice sent **7-17-69** Filed **7-23-69**
Extension fee \$..... Extended to.....
Extended to.....

WELL DRILLER'S REPORT: Sent **7-17-69** Filed **Satisfied by 8-14-67 report by Ranney Method Dept.**

COMPLETION OF CONSTRUCTION: Notice sent..... Filed **7-23-69**
\$2.00 extension fee..... Extended to.....
To.....

PROOF OF APPROPRIATION: Sent **7-23-69** Filed.....
\$2.00 extension fee..... Extended to.....

Statement of certificate fee sent..... \$..... Received **9-22-69**

CERTIFICATE OF GROUND WATER RIGHT NO. **6595** A ISSUED **9-29-69**

Permit G2-29241P

Ranney Well

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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

January 27, 2016

City of Woodland
Attn: Bart Stepp
PO Box 9
Woodland WA 98674-0009

Re: Water Right Permit No. **G2-29241**

Dear Mr. Stepp:

In response to your request, the development schedule for the above referenced water right has been extended as follows:

Complete Construction: January 1, 2021

Basis of extension approval:

- The delay is justified, given local development patterns and local economic conditions.
- A delay would enable the permit holder to meet public water supply needs, consistent with the intent of the permit.

The Department of Ecology is adding the following water measurement provisions to this permit to ensure that you are in compliance with Chapter 173-173 WAC and to document beneficial use.

Measurement of Water Use

How often must water use be measured?	Monthly
How often must water use data be reported	Annually (Jan 31)
What volume should be reported?	Total Annual Volume
What rate should be reported?	Annual Peak Rate of Withdrawal (gpm or cfs)

An approved measuring device must be installed and maintained for each of the sources identified by this water right in accordance with the rule "Requirements for Measuring and Reporting Water Use", WAC 173-173.

Department of Ecology personnel, upon presentation of proper credentials, must have access at reasonable times, to the records of water use that are kept to meet the above conditions, and to inspect at reasonable times any measuring device used to meet the above conditions.

Recorded water use data shall be submitted via the Internet. To set up an Internet reporting account, contact the Southwest Regional Office. If you do not have Internet access, you can still submit hard copies by contacting the Southwest Regional Office for forms to submit your water use data.



WAC 173-173 describes the requirements for data accuracy, device installation and operation, and information reporting. It also allows a water user to petition the Department of Ecology for modifications to some of the requirements.

Please mail in the enclosed *Construction Notice* by the deadline. If you have any questions, please contact Tammy Hall at thal461@ecy.wa.gov or (360) 407-6099.

Your Right To Appeal

You have a right to appeal this Order to the Pollution Control Hearings Board (PCHB) within 30 days of the date of receipt of this Order. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do the following within 30 days of the date of receipt of the Order.

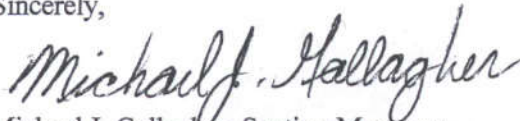
File your appeal and a copy of this Order with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.

- Serve a copy of your appeal and this Order on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.
- You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

Street Addresses	Mailing Addresses
Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503	Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608
Pollution Control Hearings Board 1111 Israel RD SW Ste 301 Tumwater, WA 98501	Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903

For additional information visit the Environmental Hearings Office Website: <http://www.eho.wa.gov>. To find laws and agency rules visit the Washington State Legislature Website: <http://www1.leg.wa.gov/CodeReviser>.

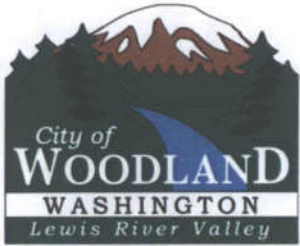
Sincerely,



Michael J. Gallagher, Section Manager
SWRO Water Resources

Enclosures: *Your Right to Be Heard*
Water Use Measurement Form
Construction Notice Form

By certified mail: 7014 0150 0000 9188 5315



P.O. Box 9
Woodland, WA 98674
www.ci.woodland.wa.us

100 Davidson Avenue
fax: (360) 225-1201

Police
(360) 225-6965

230 Davidson Avenue
fax: (360) 225-7336

**Mayor's Office
Clerk-Treasurer**
(360) 225-8281

Building
(360) 225-7299

Planning
(360) 225-1048

300 East Scott Avenue
fax: (360) 225-7467

Public Works
(360) 225-7999

November 18, 2015

Washington Department of Ecology
Cashiering Unit
PO Box 47611
Olympia, WA 98504-7611

15 DEC 16 A8:51

DEPT. OF ECOLOGY
FISCAL & BUDGET

RE: Extension of Water Right Permit G2-29241, City of Woodland Horizontal Collector Well

In 2014 the City completed construction of improvements at the Horizontal Collector Well to improve its output capacity. Information submitted previously to Ecology showed the well now has an output capacity that matches or exceeds the water right limit of 2,800 gpm.

The current capacity of the water system, however, is only 2,100 gpm. Improvements in pumping, transmission piping, and treatment system capacity are needed though before the City of Woodland can produce 2,800 gpm of water from the Horizontal Collector Well.

The City of Woodland completed a Water System Plan in 2013 that was approved by the Washington Department of Health. The analysis in the plan indicated the current 2,100 gpm capacity provides enough water for the City through 2033.

With plenty of system capacity over the next 15 – 20 years additional improvements to the system are not needed at this time. Therefore the City is requesting an extension of water right permit G2-29241. Current planning assumptions indicate the City would need to increase the water system capacity somewhere between 2035 and 2040.

If you have any questions please call me at (360) 225-7999 or e-mail me at steppb@ci.woodland.wa.us.

Sincerely,

Bart Stepp, PE
City of Woodland
Public Works Director

Department of Ecology

DEC 17 2015

Water Resources Program



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PERMIT
TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

- Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology)
- Ground Water (Issued in accordance with the provisions of Chapter 261, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology)

PRIORITY DATE June 17, 1995	APPLICATION NUMBER G2-29241	PERMIT NUMBER G2-29241	CERTIFICATE NUMBER 98674
--------------------------------	--------------------------------	---------------------------	-----------------------------

NAME City of Woodland			
ADDRESS (STREET) 230 Davidson Ave/PO Box 9	(CITY) Woodland	(STATE) Washington	(ZIP CODE) 98674

The applicant is hereby granted a permit to appropriate the following public waters of the State of Washington, subject to existing rights and to the limitations and provisions set herein.

PUBLIC WATERS TO BE APPROPRIATED

SOURCE Raney Collector Well		
TRIBUTARY OF (IF SURFACE WATERS)		
MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE FEET PER YEAR
1430	1400	1430
QUANTITY, TYPE OF USE, PERIOD OF USE 1430 Acre-feet per year	Municipal supply	Year-round, as needed

The instantaneous and annual quantity of water authorized represents a water right that is additive to existing water rights owned by the City of Woodland.

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL
100 feet North and 550 feet East of the Southwest corner of Section 18.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) SW¼ SW¼	SECTION 18	TOWNSHIP N. 5	RANGE, (E. OR W.) W.M. 1E	W.R.I.A. 27	COUNTY Cowlitz
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RECORDED PLATTED PROPERTY

LOT Parcel #5056401	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
------------------------	-------	------------------------------------

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

The place of use of this water right is the service area described in the most recent City of Woodland's Water System Plan/Small Water System Management Program approved by the Washington State Department of Health, so long as the City of Woodland is and remains in compliance with the criteria in RCW 90.03.386(2). RCW 90.03.386 may have the effect of revising the place of use of this water right.

If the criteria in RCW 90.03.386(2) are not met, the place of use of this water right reverts to the last place of use described by Ecology in a water right authorization.

DESCRIPTION OF PROPOSED WORKS

The City of Woodland plans to use their existing Ranney collector to provide municipal supply water to their service area at an instantaneous capacity of 2,800 gpm. Currently, the Ranney collector is the only water source for the City's water supply system and is permitted to pump 1,400 gpm from the source.

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE: Started	COMPLETE PROJECT BY THIS DATE: December 31, 2010	WATER PUT TO FULL USE BY THIS DATE: December 31, 2026
--	---	--

PROVISIONS

"The total amount authorized for withdrawal from this Ranney well shall not exceed 2,800 gpm and 2,186 acre-feet per year for all combined water rights for the City of Woodland (Certificates #9985 & 6595 and Permit G2-29241)."

An approved measuring device shall be installed and maintained for each of the sources identified by this water right in accordance with the rule "Requirements for Measuring and Reporting Water Use", Chapter 173-173 WAC.

Water use data shall be recorded daily. The maximum monthly rate of diversion/withdrawal and the monthly total volume shall be submitted to Ecology by January 31st of each calendar year. Ecology is requiring submittal of daily meter readings to collect seasonal information for water resource planning, management and compliance.

The following information shall be included with each submittal of water use data: owner, contact name if different, mailing address, daytime phone number, WRIA, Permit/Certificate/Claim No., source name, annual quantity used including units, maximum rate of diversion including units, monthly meter readings including units, monthly meter readings including units, peak monthly flow including units, Department of Health WFI water system number and source number(s), purpose of use, well tag number, open channel flow or pressurized diversion and period of use. In the future, Ecology may require additional parameters to be reported or more frequent reporting. Ecology prefers web based data entry, but does accept hard copies. Ecology will provide forms and electronic data entry information.

Chapter 173-173 WAC describes the requirements for data accuracy, device installation and operation, and information reporting. It also allows a water user to petition Ecology for modifications to some of the requirements. Installation, operation and maintenance requirements are enclosed as a document entitled "Water Measurement Device Installation and Operation Requirements".

Department of Ecology personnel, upon presentation of proper credentials, shall have access at reasonable times, to the records of water use that are kept to meet the above conditions, and to inspect at reasonable times any measuring device used to meet the above conditions.

A completed well report of the well shall be submitted by the driller to the Department of Ecology within 30 days of completing this well. All pump test data for this well shall be submitted to the Department as it is obtained. All wells constructed in the State shall meet the construction requirements of Chapter 173-160 WAC entitled "Minimum Standards for the Construction and Maintenance of Wells" and Chapter 18-104 RCW entitled "Water Well Construction, Act (1971)."

In accordance with Chapter 173-160 WAC, wells shall not be located within certain minimum distances of potential sources of contamination. These minimum distances shall comply with local health regulations, as appropriate. In general, wells shall be located at least 100 feet from sources of contamination. Wells shall not be located within 1,000 feet of a solid waste landfill.

(continued on page 3)

This permit shall be subject to cancellation should the permittee fail to comply with the above development schedule and/or to give notice to the Department of Ecology on forms provided by that Department documenting such compliance.

Given under my hand and the seal of this office at Olympia, Washington,

this 11th day of August, 2006.

OK MD

Department of Ecology
by Thomas Loranger
Thomas Loranger, Section Manager

If you require this publication in an alternate format, please contact Water Resources at (360) 407-6300, or TTY (for the speech or hearing impaired) 711 or 800-833-6388.

Provisions Continued

Installation and maintenance of an access port as described in Chapter 173-160 is required. An air line and gauge may be installed in addition to the access port.

In order to maintain a sustainable supply of water, pumping must be managed so that static water levels do not progressively decline from year to year. Water levels shall be measured and recorded monthly, using a consistent methodology. The length of the pumping period or recovery period prior to each measurement shall be constant, and shall be included in the record. Data shall be submitted annually, in the month of February, to the Department of Ecology.

The Water Resources Act of 1971 specifies certain criteria regarding utilization and management of the waters of the state in the best public interest. Use of water may be subject to regulation at certain times, based on the necessity to maintain water quantities sufficient for preservation of the natural environment.

The permittee is advised that notice of Proof of Appropriation of water (under which the final certificate of water right is issued) should not be filed until the permanent distribution system has been constructed and that quantity of water allocated by the permit to the extent water is required, has been put to full beneficial use.



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

REPORT OF EXAMINATION
TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

- Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)
- Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE June 17, 1995	APPLICATION NUMBER G2-29241	PERMIT NUMBER	CERTIFICATE NUMBER
--------------------------------	--------------------------------	---------------	--------------------

NAME City of Woodland			
ADDRESS (STREET) 230 Davidson Ave/PO Box 9	(CITY) Woodland	(STATE) Washington	(ZIP CODE) 98674

PUBLIC WATERS TO BE APPROPRIATED

SOURCE Ranney Collector Well
TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE 1400	MAXIMUM ACRE FEET PER YEAR 1430
-------------------------------	------------------------------------	------------------------------------

QUANTITY, TYPE OF USE, PERIOD OF USE 1430 Acre-feet per year	Municipal supply	Year-round, as needed
---	------------------	-----------------------

The instantaneous and annual quantity of water authorized represents a water right that is additive to existing water rights owned by the City of Woodland.

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION--WITHDRAWAL 100 feet North and 550 feet East of the Southwest corner of Section 18.
--

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) SW¼ SW¼	SECTION 18	TOWNSHIP N. 5	RANGE, (E. OR W.) W.M. 1E	W.R.I.A. 27	COUNTY Cowlitz
--	---------------	------------------	------------------------------	----------------	-------------------

RECORDED PLATTED PROPERTY

LOT Parcel #5056401	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
------------------------	-------	------------------------------------

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

The place of use of this water right is the service area described in the most recent City of Woodland's Water System Plan/Small Water System Management Program approved by the Washington State Department of Health, so long as the City of Woodland is and remains in compliance with the criteria in RCW 90.03.386(2). RCW 90.03.386 may have the effect of revising the place of use of this water right.

If the criteria in RCW 90.03.386(2) are not met, the place of use of this water right reverts to the last place of use described by Ecology in a water right authorization.

DESCRIPTION OF PROPOSED WORKS

The City of Woodland plans to use their existing Ranney collector to provide municipal supply water to their service area at an instantaneous capacity of 2,800 gpm. Currently, the Ranney collector is the only water source for the City's water supply system and is permitted to pump 1,400 gpm from the source.

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:	COMPLETE PROJECT BY THIS DATE:	WATER PUT TO FULL USE BY THIS DATE:
Started	December 31, 2010	December 31, 2026

REPORT

BACKGROUND:

The examination of Application G2-29241 was led by consultants from GeoEngineers, Inc., contracted as part of The Department of Ecology's (Ecology) cost reimbursement program to facilitate the phased processing of the application. Michael Dixel of the Water Resources Program, Southwest Region oversaw the project. In addition to GeoEngineers and Michael Dixel, the examination team included Jeff Marti, Dave Nazy and John Pearch of Ecology. The source area of the proposed withdrawal was evaluated by GeoEngineers in Phase I of their work and the report of examination was prepared as part of Phase II.

To serve its growing population, the City of Woodland submitted the subject ground water application on June 17, 1995. The City of Woodland's water supply system (Department of Health water system I.D. # 398200) served a population of approximately 4,140 (in the year 2004). The City of Woodland anticipates the population to increase to over 9,000 persons by 2026 based on a growth rate of 3.5% (City of Woodland Water System Plan Update, Gibbs & Olson 2005).

The applicant requests an instantaneous quantity (Qi) of 1,400 gpm from a Ranney collector well for municipal supply. This requested Qi is in addition to the existing water rights certificated for 1,400 gpm. The Ranney collector is located in the SW¼ SW¼ of Section 18, Township 5 N., Range 1 E. W. M. in Cowlitz County (Figure 1), within the city limits of Woodland at an elevation of approximately 34 feet MSL, approximately 50 feet west of North Fork Lewis River.

Ground Water Application #:	G2-29241
Applicant Name:	City of Woodland
Priority Date:	June 17, 1995
Source:	Ranney Collector Well
Purpose of Use:	Municipal
Affidavit of Publication:	May 18 and 25, 2005
Protests:	None received during 30-day protest period

The proposed withdrawal is categorically exempt from the State Environmental Policy Act (SEPA) process in accordance with WAC 197-11-800(4)(b).

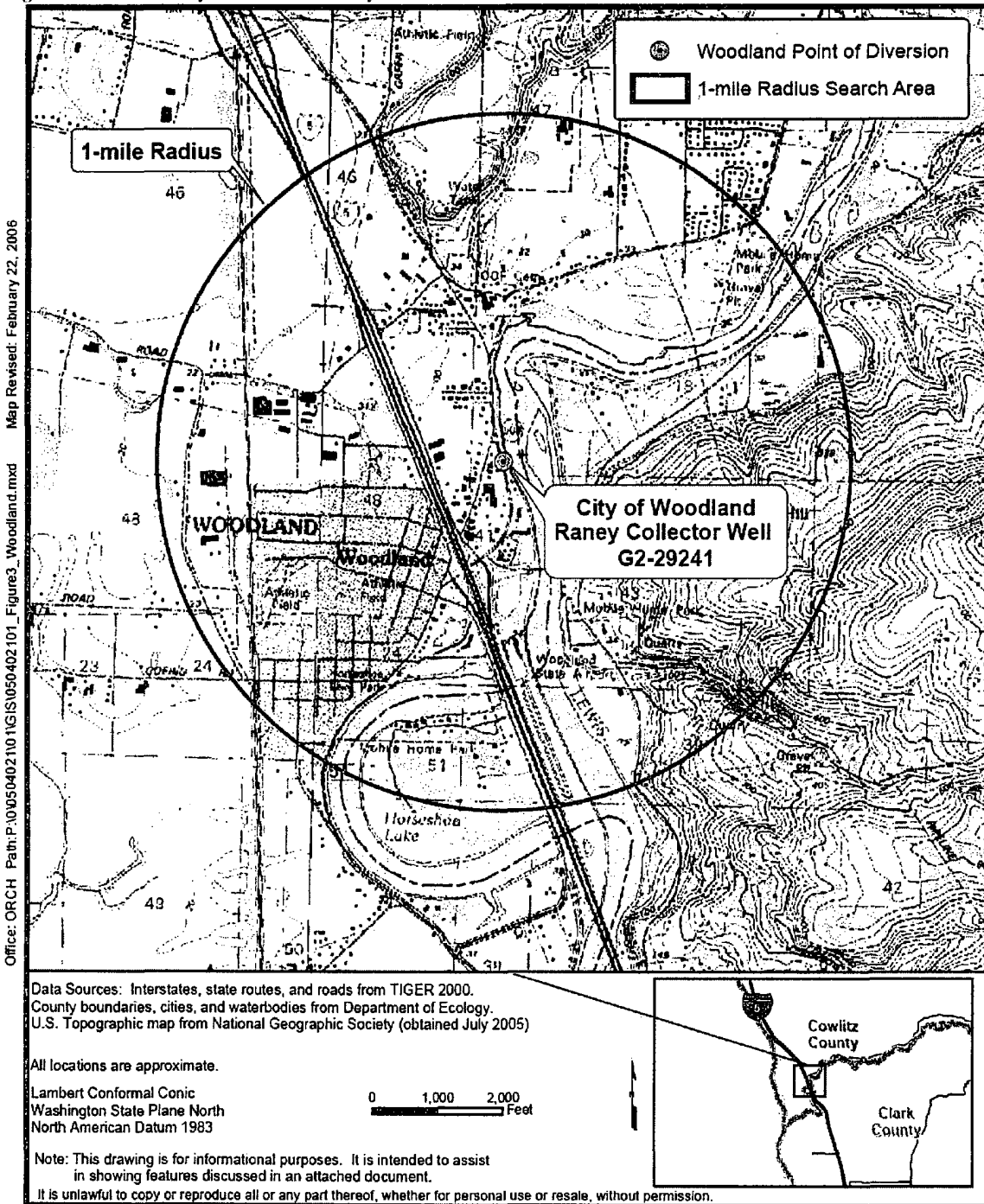
INVESTIGATION:

The examination team of GeoEngineers and Ecology reviewed the City of Woodland's application and supporting documents contained in the Ecology file; communicated regularly with senior Ecology staff to discuss direction of the work and any issues that arose; met and communicated with the applicant to review the water rights examination process and obtain current information; obtained and reviewed reports and other documents relevant to the application, and conducted a field examination of the key features of the application (e.g., proposed point of withdrawal, pumping and conveyance systems, and place of use).

The investigation included, but was not limited to, the review of:

- the State Water Code;
- USGS topographic maps, Woodland, Ridgefield, Saint Helens and Deer Island Quadrangles, 1:24,000 scale;
- Geology and ground water resources of Clark County, Washington, with a description of a major alluvial aquifer along the Columbia River (Mundorff, M.J., 1964 — USGS Water-Supply Paper 1600)
- unpublished consultant reports pertaining to the City of Woodland water system;
- Ecology's water right files, water right database (WRATS), and on-line Washington State Well Log Viewer;
- Level I Technical Assessment for WRIAs 27 and 28 (GeoEngineers, WEST Consultants and Hammond Collier Wade Livingstone 2001);
- WRIAs 27 and 28 Watershed Management Plan (WRIAs 27 and 28 Planning Unit, Lower Columbia Fish Recovery Board lead agency 2004);
- City of Woodland Comprehensive Water System Plan, April 1995, and Draft Water System Plan Update, October 2005 (Gibbs & Olson);
- Information submitted by and conversations and/or meetings with Robert VanderZanden of City of Woodland; and
- A site visit on April 7, 2005.

Figure 1. Location of City of Woodland Ranney Collector Well and 1-Mile Radius Search Area.



Coincident with the processing of the City of Woodland’s application, a pending senior water right application of Paul Lutzenberger (S2-28951) was processed as part of the cost reimbursement program. The Lutzenberger point of diversion is located downstream of Woodland on the Lewis River near the confluence with the Columbia River. It was found to be the only senior water right application in the source area as estimated in Phase I after two additional senior applicants in the source area, Jack Stokman (S2-28655) and Dennis Wubben (G2-29121), withdrew their applications.

Chapters 90.03 and 90.44 RCW authorize the appropriation of public water for beneficial use and describe the process for obtaining water rights including the process to amend or change existing rights. Laws specifically governing the water right permitting process are RCW 90.03.250 through 90.03.340 and RCW 90.44.060.

Site Visit

Joel Purdy of GeoEngineers conducted a site visit on April 7, 2005. Robert VanderZanden of the City of Woodland gave a tour of the facilities and the property. The tour included the inspection of Ranney collector well and pumps west of the North Fork Lewis River along State Route 503. The two 75-horsepower vertical turbine pumps with a designed capacity of 1,400 gpm are located at grade and the Ranney collector caisson is located below grade. There are plans to replace the existing pumps with three pumps of up to 150-horsepower to increase the capacity of the Ranney collector by the year 2010. The City has three existing reservoirs. Reservoir No. 1 was constructed in 1912 and is currently not in use. Reservoir No. 2, built of concrete, was constructed in 1962 and has a capacity of 0.5 million gallons. Reservoir No. 3, built in 1990, is a glass-lined, bolted steel reservoir with 1.1 million gallons of storage capacity (Draft Water System Plan Update, Gibbs & Olson, October 2005).

Hydrogeology in the Vicinity of G2-29241

The project site lies adjacent to the North Fork Lewis River within the Lewis Water Resource Inventory Area (WRIA) 27. The North Fork Lewis River originates approximately 60 miles to the northeast of Woodland and flows west through three large reservoirs created by four hydroelectric project dams. The reservoirs are the Swift Reservoir, Yale Lake and Lake Merwin. The North Fork flows south past the Ranney collector site and meets the East Fork Lewis River approximately 3 miles south of the site before entering the Columbia River. The hydrogeologic setting described below is applicable to the area in the vicinity of the Ranney Collector.

The project area is underlain by depositional sequence of unconsolidated recent and Quaternary alluvium and terrace deposits of the North Fork Lewis River, which incised the Tertiary volcanic and sedimentary bedrock of the southern Cascades. Deltaic deposits of sand and gravel, fine sand and silt related to an advance of an alpine glacial lobe of Pleistocene age exist to the east of the site (Mundorff 1964). At Woodland, the North Fork Lewis River deposits interfinger with finer grained sediments of the modern Columbia River floodplain.

The coarser-grained alluvial deposits are composed of poorly sorted gravel and sand, which are generally saturated and water-bearing. A small number of water-supply wells in the vicinity of Woodland are generally completed at depths of less than 100 feet in the alluvial aquifer. Production rates of wells completed in the vicinity vary, but are typically less than 100 gpm.

Woodland Ranney Collector Well Description

The City's Ranney collector was constructed in 1968 with eight 10¼-inch-diameter screen laterals. The laterals range from 56 to 126 feet in length at depths between 43 to 48 feet below ground (-9.7 to -14.5 feet mean sea level [MSL]). The Ranney collector is located approximately 50 feet from the Lewis River at an elevation of 33.75 MSL (top of collector caisson). The laterals extend out beneath the North Fork Lewis River within the alluvial deposits. The laterals capture groundwater from the alluvial aquifer directly beneath the river, the groundwater is in hydraulic continuity with the river. Drawdown in the alluvial aquifer as a result of pumping from the collector therefore induces streambed infiltration and groundwater recharge directly from the river.

Currently, three of the laterals are used, with one more proposed to be opened to provide additional intake capacity for the future project. The Ranney collector was test-pumped at 1,037 gpm in 1987 with a drawdown of 9.78 feet in the collector. The static water level at the time of testing was approximately +4.5 feet MSL with the Lewis River level at +5 feet MSL (both excluding tidal fluctuations). Drawdown in the aquifer at the collector was estimated to be approximately 2 feet. However,, at a distance of 1,000 feet, drawdown is estimated to have been less than 0.5 feet (based on the aquifer transmissivity). The calculated radius of influence is less than 5,000 feet. Details of the aquifer testing are presented in a report prepared by Ranney Method Western Corporation dated October 16, 1987.

Aquifer testing information presented in the report indicated that the transmissivity of the aquifer is 185,000 gallons per day per foot and the effective distance to the line of infiltration (i.e. the North Fork Lewis River) was calculated to be 48 feet. Much of the drawdown measured in the collector during the 1987 testing was due to well losses, so the laterals were redeveloped in 1994, substantially increasing their combined yield. Data from flow tests in 2000 indicate that the laterals can provide more than 3,600 gpm (Robert VanderZanden, P.E., City of Woodland Engineer 2006). Given the width of the river and the close proximity determined by pumping test analysis for the line of infiltration, the proposed increase in withdrawal will be met by increasing the rate and amount of induced infiltration through the streambed.

Administrative Status of Surface Water Bodies

Surface water bodies in the region are subject to administrative regulations governing the right to withdraw water for beneficial use. Though currently no regulations have been established, the Lewis River Water Resource Inventory Area (WRIA 27) Watershed Planning Unit recommends that Ecology should adopt state rules (Washington Administrative Codes) under its Instream Resources Protection Program to restrict issuances of new water rights in WRIA 27.

The lower reaches of the Lewis River are tidally influenced; the extent of the tidal influence is established in the Watershed Management Plan for WRIs 27 and 28 as river mile (RM) 7.1 of North Fork Lewis River. As stated in the Plan, tidal influence will be a factor in the decision-making process for future water right decisions by the Department of Ecology. It is intended that any future water rights issued in stream reaches that are tidally influenced would not be subject to instream flows or closures. The Ranney collector is located at RM 6.9 on the North Fork Lewis River, and is therefore within the tidally influenced reach. This is confirmed by tidal fluctuations recorded in the Ranney Collector well during test pumping in 1987 (Gibbs & Olson 2005; Appendix B).

Under diurnal periods of tidal influence, there is likely a small net reduction in river flow as the rising tide causes a backwater effect extending into the Lewis River from the Columbia River. However, the site is near the upper limit of the tidally influenced reach, such that the groundwater being withdrawn at Woodland is likely sourced from Lewis River water, rather than water from the Columbia River entering the reach and being drawn through the riverbed via induced infiltration. Given the tidal influence of the reach, there will usually be ample water available for the requested appropriation. During late summer months when low streamflow is common, the requested withdrawal will still represent only a very small portion of the 90% exceedance flow, which averages 756 cfs at Ariel in August. It is therefore concluded there will be ample water available for the requested appropriation particularly since the appropriation is tidally influenced by the Columbia River.

City of Woodland: Existing Water Rights

In addition to the subject application, the City of Woodland holds Ground Water Certificate #6595. The water right has a priority date of November 8, 1967 and is for 1,400 gpm and 756 acre-feet. The ground water right is supplemental to the City's Certified Surface Water Right #9985. The surface water right is for 2.78 cubic feet per second (1,248 gpm) and 756 acre-feet for a point of withdrawal under the North Fork Lewis River coincident with laterals that extend from the Ranney collector and has a priority date of August 5, 1966. The combined surface and ground water rights for the City of Woodland's Ranney collector reflect that much of the groundwater entering the collector has a proximal surface water source in the North Fork Lewis River. Thus, the total additive water rights for the City of Woodland is 1,400 gpm and 756 acre-feet/year. The Ground Water Application G2-29241 (subject application) is a request for the withdrawal of 1,400 gpm from the Ranney collector, in addition to the existing water rights. The City of Woodlands existing water rights are summarized in Table 1 below.

Table 1. Summary of the City of Woodland's Existing Water Rights

Water Right Control Number	Source	Water Right Status	Priority Date	Instantaneous Withdrawal	Annual Withdrawal (acre-feet)	Comments
#9985	Lewis River	Certificate	8/5/1966	2.78 cfs	756	2.78 cfs is equivalent to 1,248 gpm
#6595	Ranney Well	Certificate	11/8/1967	1,400 gpm	756	Additive Qi of 152 gpm, Qa is non-additive
TOTAL ADDITIVE WATER RIGHT QUANTITIES				1,400 gpm	756	

Water Allocation

The City of Woodland's Ranney collector well draws water from the North Fork Lewis River alluvium deposits near North Fork Lewis River, located approximately 50 feet east of the well. The historical pumping of the Ranney collector and previous pumping tests indicate that the source aquifer is capable of producing additional water at the requested rate of 1,400 gpm (for a total capacity of 2,800 gpm).

The total annual quantity of water allocated for the water right decision (G2-29241) was determined by estimating future water demand within the City of Woodland service area. According to their estimates as part of their Draft Water System Plan Update (Gibbs & Olson October 2005), the City of Woodland projects it will supply water to a population of 8,483 by 2023 based on a 3.5 percent growth rate. The water usage was estimated to be 7,364 equivalent residential units (ERUs) in 2023. Projecting the growth rate of 3.5 percent, and water usage rate of 239 gallons per day (gpd) per ERU, the City is expected to require 1,951,071 gpd or 2,186 acre-feet per year to serve a population of 9,146 by the year 2026. The City of Woodland controls 756 acre-feet of existing certified water rights. The estimated future usage of 2,186 acre-feet per year represents an anticipated increase of 1,430 acre-feet per year.

Senior Water Rights

Table 2 was developed based on the search of Ecology's WRATS database reported on January 31, 2006. There are 12 senior ground water rights, including the existing City of Woodland right, located within a 1-mile radius of the Ranney collector. The 1-mile radius search area (Figure 1) was chosen because it exceeds the calculated radius of influence of the Ranney Collector well, and impairment of groundwater rights beyond this distance is unlikely. There are 13 surface water rights, including the City's existing right, within 1 mile of the point of withdrawal that are senior to the City of Woodland's application (Table 2).

Table 2. Senior Water Right Holders within 1 Mile of the City of Woodland Application G2-29241 of June 17, 1995.

Water Right Control Number	Owner	Water Right Status	Priority Date	Location of Point of Withdrawal	Instantaneous Withdrawal	Annual Withdrawal (acre-feet)
<i>GROUND WATER RIGHTS</i>						
G2-*01426CBL	Glen Blanchard	Certificate	3/22/1950	5N/01E-18	300 gpm	75
G2-*02163CWRIS	L. B. Brown	Certificate	10/2/1951	5N/01E-18	200 gpm	65.6
G2-*02488CWRIS	P. W. Martin, et ux	Certificate	5/1/1952	5N/01E-24	450 gpm	90
G2-*04958CWRIS	P. C. Binn	Certificate	8/11/1958	5N/01E-24	450 gpm	200
G2-*08645CWRIS	E. Bauer	Certificate	4/4/1967	5N/01E-24	50 gpm	10
G2-*09046CWRIS	City of Woodland	Certificate	11/8/1967	5N/01E-18	1,400 gpm	756
G2-00228CWRIS	Lyle H. Bozarth	Certificate	4/9/1971	5N/01E-18	800 gpm	196.4
G2-22132CWRIS	Wayne A. Donald	Certificate	3/18/1974	5N/01E-19	10 gpm	2
G2-22142CWRIS	P. W. Martin, et ux	Certificate	3/29/1974	5N/01E-24	500 gpm	92
G2-22478CWRIS	Donald G. Brown	Certificate	5/6/1974	5N/01E-19	54 gpm	14
G2-26740CWRIS	Columbia River Carbonates	Certificate	6/24/1985	5N/01E-24	170 gpm	274
G2-27146CWRIS	Ralph M. Bozorth	Certificate	7/1/1987	5N/01E-24	350 gpm	150
<i>SURFACE WATER RIGHTS</i>						
S2-*09388CWRIS	G. H. Schmidt	Certificate	2/16/1950	5N/01E-18	1 cfs	--
S2-*09549CWRIS	J. A. Edge	Certificate	4/21/1950	5N/01E-19	0.25 cfs	--
S2-*14304CWRIS	WA Department of Health	Certificate	4/25/1957	5N/01E-19	4.53 cfs	--
S2-*16731CWRIS	WA Department of Health	Certificate	6/20/1961	5N/01E-19	7.47 cfs	--
S2-*19805CWRIS	City of Woodland	Certificate	8/5/1966	5N/01E-18	2.78 cfs	756

S2-22143CWRIS	Albert D. Shaw, et ux	Certificate	4/1/1974	5N/01E-18	0.01 cfs	0.5
S2-23384CWRIS	Mrs. H. W. Holmes	Certificate	10/17/1974	5N/01E-18	0.03 cfs	3
S2-25900CWRIS	George Thoeny, et ux	Certificate	4/8/1981	5N/01E-24	1.78 cfs	242
S2-27702	Gary and Pam Myhr	Certificate	2/16/1990	5N/01E-18	0.06 cfs	4.5
S2-27729	Lewis River Christian Center	Certificate	3/30/1990	5N/01E-19	0.05 cfs	5
S2-27852CWRIS	L. & C. Brown	Certificate	9/4/1990	5N/01E-18	0.06 cfs	5
S2-29122	Floyd Haffner	Permit	9/29/1994	5N/01E-18	0.01 cfs	0.38
S2-29189	WA Dept. of Transportation	Certificate	2/17/1995	5N/01E-19	5.8 cfs	0

In addition to water rights, there are 62 ground water and 13 surface water claims within 1 mile of the Ranney collector based on the WRATS database. A claim is not authorization to use the water, but a statement of claim. The validity of existing claims has not been determined in most cases and can only determined by the Superior Court through adjudication.

There are records of 71 exempt domestic supply wells located within 1 mile of City of Woodland's Ranney collector based on a search of Ecology's well log files. Of the 71 well logs, 54 are from Clark County and 17 from Cowlitz County. Eighteen of these wells were drilled after June 17, 1995 and thus are junior in priority to the City of Woodland's priority date.

FINDINGS & CONCLUSIONS:

- **Water Availability**

GeoEngineers reviewed the report by Ranney Method Western Corporation dated October 16, 1987 relating to the aquifer testing of the Ranney collector, and found that it adequately portrays the aquifer hydraulics for the performance and function of the collector within the alluvial aquifer, which is in hydraulic continuity with the North Fork Lewis River at Woodland. Analysis of observed and predicted drawdowns caused by pumping of the Ranney collector indicates that the supply to the Ranney collector is derived from induced infiltration and streambed seepage.

Other than during periods of extremely low flow, there will be no measurable impact on the stream flow because the withdrawal represents only a small fraction of the flow in the river. There will usually be ample water available in the North Fork Lewis River to supply the requested appropriation, which is being withdrawn from a location within the tidally influenced reach of the North Fork Lewis River. The tidal influence can be clearly discerned on water-level records from the Ranney collector (Gibbs & Olson 1995; Appendix B). Extrapolating from the results of the pumping test analysis, no significant water level drawdown from pumping this well is expected at distance of greater than 1,000 feet. It is concluded that sufficient water is available via induced infiltration through the streambed of the North Fork Lewis River to provide the requested additional appropriation of 1,400 gpm instantaneously and 1,430 acre-feet of water annually.

- **Impairment to Existing Rights**

Impairment is an adverse impact on the physical availability of water for a beneficial use that is entitled to protection i.e. water rights that are both senior and junior in priority to the right the applicant seeks to change.

Qualifying groundwater withdrawal facilities are defined as those wells which in the opinion of the Department are adequately constructed. An adequately constructed well is one that (a) is constructed in compliance with well construction requirements (WAC 173-160); (b) fully penetrates the saturated thickness of an aquifer or withdraws water from a reasonable and feasible pumping lift (WAC 173-150); (c) the withdrawal facilities must be able to accommodate a reasonable variation in seasonal pumping water levels; and (d) the withdrawal facilities including pumping facilities must be properly sized to the ability of the aquifer to produce water.

WAC 173-150-060 describes how to determine whether a ground water right has been impaired. Specifically: "A ground water right which pertains to qualifying withdrawal facilities, shall be deemed to be impaired whenever: (1) there is an interruption or an interference in the availability of water to said facilities, or a contamination of such water, caused by the withdrawal of ground

water by a junior water right holder or holders; and (2) significant modification is required to be made to said facilities in order to allow the senior ground water right to be exercised.”

Well interference may occur when several wells penetrate and withdraw groundwater from the same aquifer. Each pumping well creates a drawdown cone. When several wells pump from the same aquifer, well density, aquifer characteristics, and pumping demand may result in individual drawdown cones that intersect and form a composite drawdown cone. At any point in an aquifer, the composite drawdown caused by pumping wells will be greatly influenced by the transmissivity of the aquifer. In aquifers with high transmissivity, such as the alluvial aquifer tapped by the Woodland collector, composite drawdown will generally be much less than in aquifers with similar properties but with low transmissivity. Also, the proximity of the withdrawal point to the source of recharge (in this case, the North Fork Lewis River) significantly reduces the magnitude and extent of the resulting drawdown cone.

There are 12 certified ground water rights within a 1-mile radius of the Ranney collector (Table 1), this distance being substantially greater than the radius of influence for the collector. Well logs from 71 single domestic wells, 54 from Clark County and 17 from Cowlitz County, were also identified within 1 mile of the Ranney collector. Eighteen of these wells were drilled after the priority date of June 17, 1995. Most of these wells draw ground water from aquifers that are likely in hydraulic continuity with the aquifer in which the Ranney collector is completed. Some wells are located in the upland areas of Clark County and are likely completed in bedrock aquifers. Withdrawal from the alluvial aquifer may intercept a minor portion of ground water that would have supported these wells. Tests conducted on the Ranney collector well (1987) indicate that drawdown at a distance of 1,000 feet from the Ranney collector would be less than 1 foot when pumping at 1,037 gpm. Our analysis using the aquifer characteristics derived from the 1987 tests and theoretically pumping the Ranney collector at 2,800 gpm indicates that the drawdown at 1,000 feet would still be less than 1 foot. The use of the City of Woodland Ranney collector well should therefore not create sufficient interference drawdown to impair the senior ground water right holders.

Stream flow depletion may occur when wells pump water from aquifers in hydraulic continuity with streams. North Fork Lewis River is approximately 50 feet east of the Ranney collector. A search of the WRATS database showed that there are 13 certified surface water rights on North Fork Lewis River within 1 mile of the Ranney collector. Based on the tidal influence of the downstream reaches of the rivers, there will be no measurable impact of pumping from the Ranney collector on the stream flow of North Fork Lewis River or Lewis River. Therefore, no impairment of surface water rights is expected.

- **Beneficial Use**

Water used for municipal supply is considered a beneficial use under RCW 90.54.020(1).

- **Public Interest**

The 1971 Water Resources Act provides the most comprehensive list of legislative policies that guide the consideration of public interest in the allocation of water. These policies generally require a balancing of the state's natural resources and values with the state's economic well-being. Specifically, the policies require allocation of water in a manner that preserves instream resources, protects the quality of the water, provides adequate and safe supplies of water to serve public need, and makes water available to support the economic well-being of the state and its citizens.

The year-round withdrawal of an additional 1,400 gpm and 1,430 acre-feet of water from the City of Woodland's Ranney collector for municipal use will not adversely impact instream flows. No other detriment to public interest could be identified during the examination of the subject application.

RECOMMENDATION:

It is recommended that a water right permit be issued to the City of Woodland for 1,400 gpm and 1,430 acre-feet per year additive supply, year-round as needed for municipal use. The total annual withdrawal from the City of Woodland's water system shall not exceed 2,800 gpm and 2,186 acre-feet per year under this application and their two existing water rights (Certificates #9985 & 6595).

PROVISIONS:

“The total amount authorized for withdrawal from this Ranney well shall not exceed 2,800 gpm and 2,186 acre-feet per year for all combined water rights for the City of Woodland (Certificates #9985 & 6595 and Permit G2-29241).”

An approved measuring device shall be installed and maintained for each of the sources identified by this water right in accordance with the rule "Requirements for Measuring and Reporting Water Use", Chapter 173-173 WAC.

Water use data shall be recorded daily. The maximum monthly rate of diversion/withdrawal and the monthly total volume shall be submitted to Ecology by January 31st of each calendar year. Ecology is requiring submittal of daily meter readings to collect seasonal information for water resource planning, management and compliance.

The following information shall be included with each submittal of water use data: owner, contact name if different, mailing address, daytime phone number, WRIA, Permit/Certificate/Claim No., source name, annual quantity used including units, maximum rate of diversion including units, monthly meter readings including units, monthly meter readings including units, peak monthly flow including units, Department of Health WFI water system number and source number(s), purpose of use, well tag number, open channel flow or pressurized diversion and period of use. In the future, Ecology may require additional parameters to be reported or more frequent reporting. Ecology prefers web based data entry, but does accept hard copies. Ecology will provide forms and electronic data entry information.

Chapter 173-173 WAC describes the requirements for data accuracy, device installation and operation, and information reporting. It also allows a water user to petition Ecology for modifications to some of the requirements. Installation, operation and maintenance requirements are enclosed as a document entitled "Water Measurement Device Installation and Operation Requirements".

Report Continued

Department of Ecology personnel, upon presentation of proper credentials, shall have access at reasonable times, to the records of water use that are kept to meet the above conditions, and to inspect at reasonable times any measuring device used to meet the above conditions.

A completed well report of the well(s) shall be submitted by the driller to the Department of Ecology within 30 days of completing this well. All pump test data for this well shall be submitted to the Department as it is obtained.

All wells constructed in the State shall meet the construction requirements of Chapter 173-160 WAC entitled "Minimum Standards for the Construction and Maintenance of Wells" and Chapter 18-104 RCW entitled "Water Well Construction".

In accordance with Chapter 173-160 WAC, wells shall not be located within certain minimum distances of potential sources of contamination. These minimum distances shall comply with local health regulations, as appropriate. In general, wells shall be located at least 100 feet from sources of contamination. Wells shall not be located within 1,000 feet of a solid waste landfill.

Installation and maintenance of an access port as described in Chapter 173-160 is required. An air line and gauge may be installed in addition to the access port.

In order to maintain a sustainable supply of water, pumping must be managed so that static water levels do not progressively decline from year to year. Water levels shall be measured and recorded monthly, using a consistent methodology. The length of the pumping period or recovery period prior to each measurement shall be constant, and shall be included in the record. Data for the previous year shall be submitted by January 31 to the Department of Ecology.

Static water levels data shall be submitted in digital format and shall include the following elements:

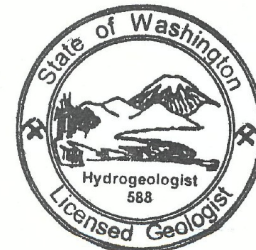
1. Unique Well ID Number
2. Measurement date and time
3. Measurement method (air line, electric tape, pressure transducer, etc.)
4. Well status (pumping, recently pumped, etc.)
5. Water level accuracy (to nearest foot, tenth of foot, etc.)
6. Description of the measuring point (top of casing, sounding tube, etc.)
7. Measuring point elevation above or below land surface to the nearest 0.1 foot
8. Land surface elevation at the well head to the nearest foot.
9. Static water level below measuring point to the nearest 0.1 foot.

The Water Resources Act of 1971, Chapter 90.54 RCW specifies certain criteria regarding utilization and management of the waters of the State in the best public interest. Favorable consideration of this application has been based on sufficient waters available, at least during portions of the year. However, it is pointed out to the applicant that this use of water may be subject to regulation at certain times, based on the necessity to maintain water quantities sufficient for preservation of the natural environment.

The applicant is advised that notice of Proof of Appropriation of water (under which the final certificate of water right is issued) should not be filed until the permanent distribution system has been constructed and that quantity of water allocated by the permit to the extent water is required, has been put to full beneficial use.

In accordance with Chapters 90.03 and 90.44 RCW, I find there is water available for appropriation from the source in question, that the appropriation as recommended is a beneficial use, and should not impair existing rights or be detrimental to public welfare.

REPORT BY: Joel W. Purdy Date: 6-12-06
REVIEWED BY: Mike Dexel Date: June 15, 2006



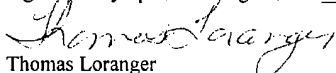
JOEL W. PURDY

FINDINGS OF FACT AND DECISION

Upon reviewing the above report, I find all facts, relevant and material to the subject application, have been thoroughly investigated. Furthermore, I find water is available for appropriation and the appropriation as recommended is a beneficial use and will not be detrimental to existing rights or the public welfare.

Therefore, I ORDER a permit be issued under Ground Water Application Number G2-29241, subject to existing rights and indicated provisions, to allow appropriation of public ground water for the amount and uses specified in the foregoing report.

Signed at Olympia, Washington, this 15th day of June, 2006.


Thomas Loranger
Water Resources Section Manager
Southwest Regional Office

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Marvin F. Case, being first duly sworn on oath, deposes and says that he is publisher of The Reflector, a weekly newspaper. That said newspaper is a legal newspaper by order of the Clark County Superior Court and it is now and has been for more than six months prior to the date of publication hereinafter referred to, published in the English language, continually as a weekly newspaper in Battle Ground, Clark County, Washington, and is now and during all of said time was printed in an office maintained at the aforesaid place of publication of said newspaper. That the annexed is a true copy of

NOA/Approp. Pub. Wtrs.

as it was published in regular issues (and not in supplement form) of said newspaper once a week for a period of 2 weeks commencing on the 18th day of May 2005, and ending on the 25th day of May 2005, both dates inclusive and that such newspaper was regularly distributed to its subscribers during all of said period. That the full amount of the fee charged for the foregoing publication is the sum of \$ 58.00 which amount is calculated at the rate of \$ 8.00 per column inch for the first insertion and \$ 6.50 per column inch for each subsequent insertion.

Subscribed and sworn to before me this
25th day of May 2005

Notary Public in and for the State of Washington
Residing at Battle Ground, Washington

SEAL

NOTICE OF APPLICATION
TO APPROPRIATE
PUBLIC WATERS

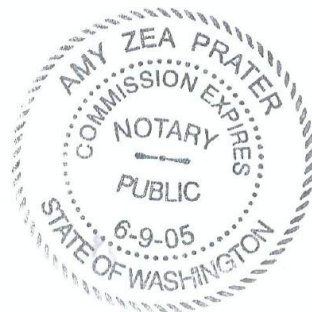
STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
TAKE NOTICE:

That the City of Woodland of Woodland, Washington on June 17, 1995, under application No. G2-29241, filed for a permit to appropriate public waters, subject to existing rights, from a well in the amount of 1400 gallons per minute as needed year round each year for municipal, industrial and commercial supply. The source of the proposed appropriation is located within the SW 1/4 SW 1/4, Section 18, T.5N., R.1E.W.M., of Cowlitz County, Washington.

Protest or objections to approval of this application must include a detailed statement of the basis for objections and are subject to public disclosure. Indicate in your letter if you prefer to remain anonymous. Protests must be accompanied by a two dollar (\$2.00) recording fee and filed with the Department of Ecology, at the address shown below, within thirty (30) days from May 25, 2005.

DEPARTMENT OF ECOLOGY
SWRO
P.O. Box 47775
Olympia, Washington 98504-7775
May 18, 2005

✓ OK
TR 6/23/05





V-2310
RECEIVED
JUN 14 4 33

State of Washington Application for a Water Right

For Ecology Use
Fee Paid 10.00
Date 6/14/95

Please follow the attached instructions to avoid unnecessary delays.

Section 1. APPLICANT - PERSON, ORGANIZATION, OR WATER SYSTEM

Name City of Woodland Home Tel: () -
Mailing Address P.O. Box 9 Work Tel: (360) 225 - 8281
City Woodland State WA Zip+4 98674 + 0009 FAX: (360) 225 - 7336

Section 2. CONTACT - PERSON TO CALL ABOUT THE APPLICATION

Same as above

Name Robert A. VanderZanden, P.E. Home Tel: () -
Mailing Address P.O. Box 9 Work Tel: (360) 225 - 7999
City Woodland State WA Zip+4 98674 + 0009 FAX: (360) 225 - 7336
Relationship to applicant Director of Public Works

Section 3. STATEMENT OF INTENT

(Municipal - Industrial - Commercial)
The applicant requests a permit to use not more than (1,400) (gallons per minute or
 cubic feet per second) from a surface water source or ground water source, (check only one) for the
purpose(s) of Domestic/Public Supply-Industrial/Commercial-Municipal. Attach a "legal"
description of the place of use. (See instructions.) NOTE: A tax parcel number or a plat number is not sufficient.

Estimate a maximum annual quantity to be used in acre-feet per year: 1,200 Ac-Ft/Yr
City of Woodland

Check if the water use is proposed for a short-term project. Indicate the period of time that the water will be needed:

From ___/___/___ to ___/___/___

Section 4. WATER SOURCE

If SURFACE WATER Name the water source and indicate if stream, spring, lake, etc. If unnamed, write "unnamed spring," "unnamed stream," etc.: Number of diversions: _____ Source flows into (name of body of water): _____	If GROUNDWATER A permit is desired for <u>1</u> well(s). Size & depth of well(s): <u>12 Ft. dia. x 50 Ft. deep (Ranney Well)</u> <u>(Existing)</u>
--	---

LOCATION

Enter the north-south and east-west distances in feet from the point of diversion or withdrawal to the nearest section corner: The diversion point (Ranney Well) is approximately 150 ft. North and 600 ft. East of the Southwest corner of Section 18.

¼ of	¼ of	Section	Township	Range(E/W)	County	If location of source is platted, complete below:		
						Lot	Block	Subdivision
SW	SW	18	5	1E	Cowlitz			

For Ecology Use Date Received: 6/14/95 Priority Date: 6/17/95
SEPA: Exempt/Not Exempt FERC License # _____ Dept. Of Health # _____
Date Accepted As Complete 6/22/95 By [Signature] Date Returned _____ By _____ WRIA: 27

Section 5. GENERAL WATER SYSTEM INFORMATION

- A. Name of system, if named: City of Woodland
- B. Briefly describe your proposed water system. (See instructions.)
An existing Ranney Well which currently has withdrawal rights for 1,400 gpm and 756 Ac-Ft/Yr and uses two 75 horsepower pumps to supply this water to the City's reservoirs.
- C. Do you already have any water rights or claims associated with this property or system? YES NO
PROVIDE DOCUMENTATION.

Section 6. DOMESTIC / PUBLIC WATER SUPPLY SYSTEM INFORMATION

(Completed for all domestic/public supply uses.)

- A. Number of "connections" requested: 3,306 ^{1,730} ERU'S ^{Connections} Type of connection Residential/Commercial/Industrial
(Homes, Apartment, Recreational, etc.)
- B. Are you within the area of an approved water system? YES NO
If yes, explain why you are unable to connect to the system. Note: Regional water systems are identified by your County Health Department. (This is the approved water system.)

Complete C. and D. only if the proposed water system will have fifteen or more connections.

- C. Do you have a current water system plan approved by the Washington State Department of Health? YES NO
If yes, when was it approved? 1988 Please attach the current approved version of your plan.
- D. Do you have an approved conservation plan? YES NO
If yes, when was it approved? _____ Please attach the current approved version of your plan.
1995 plan has been submitted for approval.

Section 7. IRRIGATION/AGRICULTURAL/FARM INFORMATION

(Complete for all irrigation and agriculture uses.)

- A. Total number of acres to be irrigated: _____
- B. List total number of acres for other specified agricultural uses:
Use _____ Acres
Use _____ Acres
Use _____ Acres
- C. Total number of acres to be covered by this application: _____
- D. Family Farm Act (Initiative Measure Number 59, November 3, 1977)
Add up the acreage in which you have a controlling interest, including only:
‡ Acreage irrigated under water rights acquired after December 8, 1977;
‡ Acreage proposed to be irrigated under this application;
‡ Acreage proposed to be irrigated under other pending application(s).
1. Is the combined acreage greater than 2000 acres? YES NO
2. Do you have a controlling interest in a Family Farm Development Permit? YES NO
If yes, enter permit no: _____
- E. Farm uses:
Stockwater - Total # of animals _____ Animal type _____ (If dairy cattle, see below)
Dairy - # Milking _____ # Non-milking _____

Section 8. WATER STORAGE

Will you be using a dam, dike, or other structure to retain or store water? YES NO

NOTE: If you will be storing 10 acre-feet or more of water and/or if the water depth will be 10 feet or more at the deepest point, and some portion of the storage will be above grade, you must also apply for a reservoir permit. You can get a reservoir permit application from the Department of Ecology.

Section 9. DRIVING DIRECTIONS

Provide detailed driving instructions to the project site.

Interstate 5 to the City of Woodland exit (No. 21) then east on Highway 503 (Lewis River Highway) approximately 0.4 miles. The Ranney Well is located on the right and is adjacent to the Lewis River.

Section 10. REQUIRED MAP

A. Attach a map of the project. (See instructions.)

Section 11. PROPERTY OWNERSHIP

A. Does the applicant own the land on which the water will be used? YES NO
If no, explain the applicant's interest in the place of use and provide the name(s) and address(es) of the owner(s):

City of Woodland is the water purveyor for the service area.

B. Does the applicant own the land on which the water source is located? YES NO
If no, submit a copy of agreement:

I certify that the information above is true and accurate to the best of my knowledge. I understand that in order to process my application, I grant staff from the Department of Ecology access to the site for inspection and monitoring purposes. Even though I may have been assisted in the preparation of the above application by the employees of the Department of Ecology, all responsibility for the accuracy of the information rests with me.

Robert A Vander Zanden
Applicant (or authorized representative)

6-12-95
Date

Same
Landowner for place of use (if same as applicant, write "same")

Date

Use this page to continue your answers to any questions on the application. Please indicate section number before answer.

Section 3:

Place of Use of Water Supply:

The area encompassed by the Urban Growth Boundary for the City of Woodland including all or parts of Sections 7, 8, 18 and 19, T5N, R1E, and Sections 12, 13, 14, 23 and 24 T5N, R1W Willamette Meridian in Cowlitz and Clark Counties, Washington.

We are returning your application for the following reason(s):	
_____ Examination fee was not enclosed	APPLICANT PLEASE RETURN TO CASHIER, PO BOX 5128, LACEY, WA 98503-0210
_____ Section number(s) _____ is/are incomplete	APPLICANT PLEASE RETURN TO THE APPROPRIATE REGIONAL OFFICE
Explanation:	
Please provide the additional information requested above and return your application by _____ (date).	

Ecology staff _____ Date _____

Application G2-29998A

Ranney Well

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State of Washington Application for a Water Right

For Ecology Use

Fee Paid _____

RECEIVED Date _____

Please follow the attached instructions to avoid unnecessary delays.

01 MAY 18 AIO :04

Section 1. APPLICANT - PERSON, ORGANIZATION, OR WATER SYSTEM

Name City of Woodland Home Tel: (_____) _____

Mailing Address P.O. Box 9 Work Tel: (360) 225 - 8281

City Woodland State WA Zip+4 98674 + _____ FAX: (360) 225 - 7336

Section 2. CONTACT - PERSON TO CALL ABOUT THE APPLICATION

Same as above

Name Robert A. VanderZanden, P.E. Home Tel: (_____) _____

Mailing Address P.O. Box 9 Work Tel: (360) 225 - 7999

City Woodland State WA Zip+4 98674 + _____ FAX: (360) 225 - 7336

Relationship to applicant Director of Public Works

Section 3. STATEMENT OF INTENT

The applicant requests a permit to use not more than 2100 (gallons per minute or cubic feet per second) from a surface water source or ground water source (check only one) for the purpose(s) of Domestic/Public Supply. ATTACH A "LEGAL" DESCRIPTION OF THE PLACE OF USE. (See instructions.) NOTE: A tax parcel number or a plat number is not sufficient.

Estimate a maximum annual quantity to be used in acre-foot per year: 1470 Ac-Ft/Yr

Check if the water use is proposed for a short-term project. Indicate the period of time that the water will be needed:

From ___/___/___ to ___/___/___

Section 4. WATER SOURCE

If SURFACE WATER	If GROUNDWATER
Name the water source and indicate if stream, spring, lake, etc. If unnamed, write "unnamed spring," "unnamed stream," etc.:	A permit is desired for <u>1</u> well(s).
Number of diversions: _____	
Source flows into (name of body of water):	Size & depth of well(s): 12 Ft. diameter X 50 Ft. deep (Ranney Well) (Existing)

LOCATION

Enter the north-south and east-west distances in feet from the point of diversion or withdrawal to the nearest section corner: The diversion point (Ranney Well) is approximately 150 ft North and 600 ft East of the Southwest corner of Section 18.

1/4 of	1/4 of	Section	Township	Range (E/W)	County	If location of source is platted, complete below:		
						Lot	Block	Subdivision
SW	SW	18	5	1E	Cowlitz			

For Ecology Use Date Received: 5/18/01 Priority Date: 5/18/01

SEPA: Exempt/Not Exempt FERC License # _____ Dept. Of Health # _____

Date Accepted As Complete 6/25/01 By EC Date Returned _____ By _____ WRIA: 27

Section 5. GENERAL WATER SYSTEM INFORMATION

- A. Name of system, if named: City of Woodland
- B. Briefly describe your proposed water system. (See instructions.)
An existing Ranney Well which currently has withdrawal rights for 1,400 gpm and 756 Ac-Ft/Yr and uses two 75 horsepower pumps to supply this water to the City's treatment plant.
- C. Do you already have any water rights or claims associated with this property or system? YES NO
PROVIDE DOCUMENTATION.

Section 6. DOMESTIC/PUBLIC WATER SUPPLY SYSTEM INFORMATION
(Completed for all domestic/public supply uses.)

- A. Number of "connections" requested: 2100 Connections Residential/Commercial/
4000 ERU's Type of connection Industrial
(Homes, Apartment, Recreational, etc.)
- B. Are you within the area of an approved water system? YES NO
If yes, explain why you are unable to connect to the system. Note: Regional water systems are identified by your County Health Department. (This is the approved water system.)

Complete C. and D. only if the proposed water system will have fifteen or more connections.

- C. Do you have a current water system plan approved by the Washington State Department of Health? YES NO
If yes, when was it approved? 1995 Please attach the current approved version of your plan.
- D. Do you have an approved conservation plan? YES NO
If yes, when was it approved? 1995 Please attach the current approved version of your plan.

Section 7. IRRIGATION/AGRICULTURAL/FARM INFORMATION
(Completed for all irrigation and agriculture uses.)

- A. Total number of acres to be irrigated: _____
- B. List total number of acres for other specified agricultural uses:
Use _____ Acres _____
Use _____ Acres _____
Use _____ Acres _____
- C. Total number of acres to be covered by this application: _____
- D. Family Farm Act (Initiative Measure Number 59, November 3, 1977)
Add up the acreage in which you have a controlling interest, including only:
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‡ Acreage proposed to be irrigated under other pending application(s).
1. Is the combined acreage greater than 2000 acres? YES NO
2. Do you have a controlling interest in a Family Farm Development Permit? YES NO
If yes, enter permit no.: _____
- E. Farm uses:
Stockwater - Total # of animals _____ Animal Type _____ (If dairy cattle, see below)
Dairy - # Milking _____ # Non-milking _____

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YES NO

NOTE: If you will be storing 10 acre-feet or more of water and/or if the water depth will be 10 feet or more at the deepest point, and some portion of the storage will be above grade, you must also apply for a reservoir permit. You can get a reservoir permit application from the Department of Ecology.

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Section 10. REQUIRED MAP

A. Attach a map of the project. (See instructions.)

Section 11. PROPERTY OWNERSHIP

A. Does the applicant own the land on which the water will be used?

YES NO

If no, explain the applicant's interest in the place of use and provide the name(s) and address(es) of the owner(s):

City of Woodland is the water purveyor for the service area.

B. Does the applicant own the land on which the water source is located?

YES NO

If no, submit a copy of agreement:

I certify that the information above is true and accurate to the best of my knowledge. I understand that in order to process my application, I grant staff from the Department of Ecology access to the site for inspection and monitoring purposes. Even though I may have been assisted in the preparation of the above application by the employees of the Department of Ecology, all responsibility for the accuracy of the information rests with me.

Robert A Vanderguden

Applicant (or authorized representative)

5-01-01

Date

SAME

Landowner for place of use (if same as applicant, write "same")

Date

Use this page to continue your answers to any questions on the application. Please indicate section number before answer.

Section 3:

Place of Use of Water Supply:

The area encompassed by the Urban Growth Boundary for the City of Woodland including all or parts of Sections 7, 8, 18 and 19, T5N, R1E, and Sections 12, 13, 14, 23, and 24 T5N, R1W Willamette Meridian in Cowlitz and Clark Counties, Washington.

We are returning your application for the following reason(s):	
_____ Examination fee was not enclosed	APPLICANT PLEASE RETURN TO CASHIER, PO BOX 5128, LACEY, WA 98509-5128
_____ Section number(s) _____ is/are incomplete	APPLICANT PLEASE RETURN TO THE APPROPRIATE REGIONAL OFFICE
Explanation:	
Please provide the additional information requested above and return your application by _____ _____ (date).	

Ecology staff _____ Date _____

Ecology is an Equal Opportunity and Affirmative Action employer.

To receive this document in alternative format, contact the Water Resources Program at (360) 407-6604 (Voice) or (360) 407-6006 (TDD).