

Appendix G
Water Right Certificates and Permits

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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-Foot/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Qi = Max Instantaneous Flow Rate Withdrawn (GPM or CFS) Qa = Annual Volume Withdrawn (Acre-Foot/Year) This includes wholesale water sold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Maximum Instantaneous Flow Rate Withdrawn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Maximum Annual Volume Withdrawn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 GWC 2809-A (G2-CV1-2P69)	S12 Tacoma Point Wellfield	100 gpm	0 gpm	45 afy	0 afy	2,300 gpm	0 gpm	1,340 afy	1,105 afy	2,300 gpm	0 gpm	1,340 afy	1,105 afy	2,300 gpm	0 gpm	1,340 afy	1,105 afy
2 G2-26854C	S12 Tacoma Point Wellfield	1,000 gpm	0 gpm	800 afy	0 afy												
3 G2-27693P	S12 Tacoma Point Wellfield	1,200 gpm	0 gpm	1,600 afy	0 afy												
4 GWC 6671-A (G2-CV1-2P72)	S14 Ball Park Well No. 2	270 gpm	0 gpm	185 afy	0 afy	1,270 gpm	0 gpm	415 afy	570 afy	1,270 gpm	0 gpm	415 afy	570 afy	1,270 gpm	0 gpm	415 afy	570 afy
5 G2-26853C	S06 Ball Park Well No. 1	1,000 gpm	0 gpm	800 afy	0 afy												
6 SWC 9328	S02 Grainger Springs	0.22 cfs (85 gpm)	0 gpm	22.4 afy	0 afy	910 gpm	675 gpm	854 afy	(777 afy)	910 gpm	675 gpm	854 afy	(777 afy)	910 gpm	675 gpm	854 afy	(777 afy)
7 S2-20715C	S02 Grainger Springs	3.33 cfs (1,500 gpm)	0 gpm	55 afy	1,945 afy												
8 SWC 6459	S01 Victor Falls No. 1	0.50 cfs (224 gpm)	0 gpm	360 afy	0 afy												
9 SWC 9652	S01 Victor Falls No. 2	0.70 cfs (314 gpm)	0 gpm	504 afy	0 afy	1,060 gpm	39 gpm	1,301 afy	470 afy	1,060 gpm	39 gpm	1,301 afy	470 afy	1,060 gpm	39 gpm	1,301 afy	470 afy
10 SWC 11485	S01 Victor Falls No. 3	0.70 cfs (314 gpm)	0 gpm	504 afy	0 afy												
11 S2-00840C	S01 Victor Falls No. 4	0.55 cfs (247 gpm)	0 gpm	403 afy	0 afy												
12 GWC 2679-A	NA McDonald Well	30 gpm	0 gpm	48 afy	0 afy	0 gpm	60 gpm	0 afy	48 afy	0 gpm	30 gpm	0 afy	48 afy	0 gpm	30 gpm	0 afy	48 afy
13 G2-22219C	NA McDonald Well	30 gpm	0 gpm	0 afy	24 afy												
TOTALS =		6,314 gpm		5,326.4 afy		5,540 gpm	774 gpm	3,910 afy	1,416 afy	5,540 gpm	774 gpm	3,910 afy	1,416 afy	5,540 gpm	774 gpm	3,910 afy	1,416 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
G2-30540	New	2/10/2010	2,250 gpm	0 gpm	1,814.6 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 Current quantity purchased through intertie				10-Year Forecasted Purchase Forecasted quantity purchased through intertie				20-Year Forecasted Purchase Forecasted quantity purchased through intertie			
	Maximum Qi	Maximum Qa		Maximum Qi	Current Excess or (Deficiency) Qi	Maximum Qa	Current Excess or (Deficiency) Qa	Maximum Qi	Future Excess or (Deficiency) Qi	Maximum Qa	Future Excess or (Deficiency) Qa	Maximum Qi	Future Excess or (Deficiency) Qi	Maximum Qa	Future Excess or (Deficiency) Qa
	Instantaneous Flow Rate	Annual Volume		Instantaneous Flow Rate		Annual Volume		10-Year Forecast		10-Year Forecast		20-Year Forecast		20-Year Forecast	
1 Tacoma Public Utilities	2,778 gpm	2,728 afy	In perpetuity	2,778 gpm	0 gpm	102 afy	2,626 afy	2,778 gpm	0 gpm	1,240 afy	1,488 afy	2,778 gpm	0 gpm	2,249 afy	479 afy
2															
3															
TOTALS =	2,778 gpm	2,728 afy		2,778 gpm	0 gpm	102 afy	2,626 afy	2,778 gpm	0 gpm	1,240 afy	1,488 afy	2,778 gpm	0 gpm	2,249 afy	479 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

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:

The City also holds a water right for Lake Level Maintenance of Debra Jane Lake (GWC 3428-A, 180 gpm and 40 afy). Since it is not used for potable supply, it is not included in the table above.

Additive Combined Source Water Right Limits:
 Tacoma Point Wellfield – 2,300 gpm and 2,445 afy
 Ball Park Wellfield – 1,270 gpm and 985 afy
 Grainger Springs – 1,585 gpm and 77.4 afy
 Victor Falls Springs – 1,099 gpm and 1,771 afy
 McDonald Well – 60 gpm and 48 afy

Grainger Springs has a large non-additive annual volume (1,945 afy). So, the shown 777 afy overage is not actually an exceedance of the water right limit for that source.

Maximum instantaneous flow rate withdrawn is based on the 10-year average production capacity (2009-2018) for Grainger Springs and Victor Falls Springs.

Water use lumped by source.

The City relies on its peaking storage to meet maximum day demand. The peaking storage supply equivalent is 1,160 gpm.

Forecasted demand is without conservation.

Most recent calendar year is 2018.

6e Victor Falls 10/3/55

STATE OF WASHINGTON, COUNTY OF Pierce

CERTIFICATE OF SURFACE WATER RIGHT

(In accordance with the provisions of Chapter 122, Laws of Washington for 1921, and amendments thereto, and the rules and regulations of the State Supervisor of Water Resources thereunder.)

This is to certify that TOWN OF BANNY LAKE

of Sumner 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 unwired springs, a tributary of Kelly Creek with point or points of diversion within the SE 1/4

Sec. 9, Twp. 29 N., R. 5 E., W. M., under and subject to provisions contained in Appropriation Permit No. 10085 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 13, at Page 6459, on the 5th day of April, 1955

that the priority date of the right hereby confirmed is October 3, 1955; 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

0.50 of a cubic foot per second for the purpose of municipal water supply.

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 Banny Lake

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.

WITNESS the seal and signature of the State Supervisor of Water Resources affixed this

5th day of April, 1955

M. G. Walker
State Supervisor of Water Resources

ENGINEERING DATA

O.K. CHC

Bonney Lake Name for Source: **Spring at (above) Victor Falls (spring box 1, southernmost)**

Certificate of Water Right:

Certificate No: **6459** Permit No: **10185** Application No: **13622**

Date of priority: **October 3, 1955**

Local watershed: **Kelly Creek (old name for Fennel Ck.)** WRIA: **10 Puyallup/White**

Type of Source: **surface water – unnamed spring**

Qi, maximum rate of withdrawal: **0.5 cfs = 224 gpm**

Qa, maximum volume of withdrawal: **___ acre feet (not specified)**

Neither the Certificate nor the Report of Exam specifies a volume in acre feet. However, prior to 1964, Ecology administrative policy did not require that a to specify annual quantity Qa and it was usual and customary to simply state that the water would be used continuously.

Area of Use: **Town of Bonney Lake**

Type of Use: **Municipal Water Supply**

Provisions: **none**

Report of Examination: Exam January 16, 1956, signed February 16, 1956.

A. Inventory of other Water Rights Appurtenant to this Land:

Permit 6306	Application 08647	Nov. 22, 1948	0.20 cfs	Victor Falls	Bonney Lake Water Dist.
Permit 6307	Application 08648	Nov. 22, 1948	0.20 cfs	Victor Falls	Bonney Lake Water Dist.

At the time of this Report of Exam, Ecology did not list these senior Applications:

	<i>Application 08646</i>	<i>Nov. 22, 1948</i>	<i>0.50 cfs</i>	<i>Grainger Spr.</i>	<i>Bonney Lake Water Dist.</i>
<i>Permit 04031</i>	<i>Application 06288</i>	<i>Jan. 16, 1945</i>	<i>0.03 cfs</i>	<i>Victor Falls</i>	<i>Hunter and Shinn property</i>

The 1996 Ecology list of Recorded Water Rights indicates that A-6288, P-6306 and P-6307 were cancelled.

<i>Permit 04031</i>	<i>Application 06288</i>	<i>Jan. 16, 1945</i>		<i>Cancelled</i>	<i>Sept. 11, 1950</i>
	<i>Application 08646</i>	<i>Nov. 22, 1948</i>		<i>Cancelled</i>	<i>March 7, 1950</i>
<i>Permit 6306</i>	<i>Application 08647</i>	<i>Nov. 22, 1948</i>		<i>Cancelled</i>	<i>May 7, 1956</i>
<i>Permit 6307</i>	<i>Application 08648</i>	<i>Nov. 22, 1948</i>		<i>Cancelled</i>	<i>May 7, 1956</i>

B. Protests or Senior Rights: None

C. Fisheries Issues: Approved

D. Service Area Map or Description: none

E. Demand: no analysis in ROE, see Application.

F. Conclusions: water is available, the permit should issue

G. Recommendations, Provisions or Conditions: None.

Measured flow from the spring was estimated as 1.40 cfs, probable low flow is the same.

H. Ownership of Land and Transfers or Acquisition of Water Rights: none?

Application, Notice, and Permit to Appropriate Public Waters:

Application 13622 submitted October 3, 1955 states: "Time during which water will be required each year: **continuously**".

The population is 500 in 1955 and estimated as 1,000 by 1960.

An important map is attached to the application and it locates the springs that are identified as the source in the very southwest corner of the SW ¼ of the NW ¼ of section 9. This means that this water right is for spring box 1.

Surface water application 6288 noted on the map was investigated and its date of priority was Jan. 16, 1945, but it was cancelled Sept. 11, 1950.

Notice of Publication was sent October 11, 1955 and it states: "**0.50 cfs continuously**".

Permit 10185 signed March 14, 1956 states that the use shall be: "0.50 cubic feet per second **during the entire year**".

This specified use of 0.50 cfs continuously calculates to 362 acre feet for an entire year.

Proof of Appropriation: March 26, 1956.

The Proof of Appropriation states:

- a) "**year round**" use
- b) "Services over and upon all properties in Town of Bonney Lake and numerous users outside of corporate limits."
- c) "main source for City with population of 500"

5 Progress Sheet: yes

Yes, notice published Oct. 11, 1955

no protests

Yes, game and fish approval

2319 cc McDonald

8/28/56

CERTIFICATE RECORD No. 6 PAGE No. 2979-A

STATE OF WASHINGTON, COUNTY OF Pierce

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 State Supervisor of Water Resources thereunder.

THIS IS TO CERTIFY That TOWN OF BONNEY LAKE
of Sumner, Washington, has made proof
to the satisfaction of the State Supervisor of Water Resources of Washington, of a right to the use of
the ground waters of a well
located within the SW1SW1SW1
Sec. 28, Twp. 20 N., R. 5 E. W. M.,
for the purpose of municipal supply
under and subject to provisions contained in Ground Water Permit No. 1148 issued by the State
Supervisor 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 State Supervisor of Water
Resources of Washington and entered of record in Volume 6 at page 2979-A
that the right hereby confirmed dates from August 28, 1956; 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 30 gallons per minute; 48 acre-
feet per year for municipal supply.

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

Town of Bonney Lake, Pierce County, Washington.

The right to the use of the ground 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.

WITNESS the seal and signature of the State Supervisor of Water Resources affixed this 11th day of December, 19 57.

M. Walker
State Supervisor of Water Resources.

Bonney Lake Name for Source: **McDonald Lot 8 or 28 well or "Madrona well"**

Certificate of Water Right: Issued December 31, 1957

Certificate No. G2-22219 with a priority date of April 15, 1974 was issued to this same well to legalize withdrawals that were being made in excess of this Certificate 2979-A.

Certificate No: **2979-A** Permit No: **4148** Application No: **4417**

Priority Date: **August 28, 1956**

Local watershed: not given WRIA: not given (*10 Puyallup*)

Type of Source: well - groundwater

Qi, maximum rate of withdrawal: **30 gpm**

Qa, maximum volume of withdrawal: **48 acre feet primary**

Area of Use: **Town of Bonney Lake, Pierce County**

Type of Use: **Municipal supply**

Provisions: None, "contained in Ground Water Permit No. 4148"

Report of Examination: September 19, 1956, November 5, 1956

A. Inventory of other Water Rights Appurtenant to this Land:

Application 4416 28-Aug-56 Lot 26, McDonald Fruit Tract

Application 14050 28-Aug-56 Victor Falls listed for 4.0 c.f.s.

Certificate 6459 3-Oct-55 Error by Ecology, the Certificate issued April 5 1956 but it is not listed in this report of exam.

B. Protests or Senior Rights: None, none within ¼ mile

C. Fisheries Issues: None, none within ¼ mile

D. Service Area Map or Description: None

E. Demand: Population of 436 in 1956 and estimated population of 1,800 as of 1960.
Ecology estimates 400 acre feet for a town of 1,800 people.

F. Conclusions: approved

G. Recommendations, Provisions or Conditions: access port

H. Ownership of Land and Transfers or Acquisition of Water Rights: Lot 8 of McDonald Fruit Tracts, good hand drawn map of well location.

Application, Notice, and Permit to Appropriate Public Waters:

Application 4417 received at Ecology August 28, 1956 states: "The time during which water will be required each year continuously.

Application notes that the well is 800 ft south of Bonney Lake. *Exact location of this well was in dispute because it was very close to boundary of Lot 8 in Sec. 33 and Sec. 28. Ecology preferred SW1/4, SW1/4, SW1/4 Sec. 28.*

Two other applications were submitted at this time, A 4416 (McDonald Lot 26) and A 14050 (Victor Falls).

Notice of Publication is absent.

Permit 4148 was signed November 28, 1956, and it has no significant provisions.

Proof of Appropriation: (December 10, 1957)

Labeled well No. 1 by the Town.

Actual pump discharge 35 gpm.

Progress Sheet:

Notice published August 31, 1956

No protests

Game and fish approval, yes

Miscellaneous:

Report of exam indicates the well is 6' diameter and 490 ft deep.

Well log indicates depth of 417 ft and 43 slots cut into casing at depth of 396 to 398 ft.

Static water level 278 ft.

6c Victor Falls 8/28/56

CERTIFICATE RECORD No. _____, PAGE No. **2-00840 C**

STATE OF WASHINGTON, COUNTY OF Placer

THIS CERTIFICATE SUPERSEDES SURFACE WATER CERTIFICATE NO. 7164, ISSUED ON MAY 12, 1938
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 Department of Ecology.)

THIS IS TO CERTIFY That CITY OF BONNEY LAKE
of Bonney Lake, Washington, has made
proof to the satisfaction of the Department of Ecology of a right to the use of the public surface waters
of the State of Washington from an unpaired spring
a tributary of Fennel Creek, with point of diversion within 1/2 mile

Sec. 9, Twp. 19 N., R. 5 E., W.M. for the purpose(s) of community domestic supply
under and specifically subject
to provisions contained in appropriation Permit No. 10519 issued by the
Department of Ecology, 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 Department of Ecology and entered of
record in Volume _____ at Page 1; that the priority of the right hereby confirmed dates from
August 28, 1936; that the quantity of water under the right hereby confirmed, for
the aforesaid purposes is limited to an amount actually beneficially used and shall not exceed
0.55 of a cubic foot per second for the purpose of community domestic supply.

A description of the lands to which such surface water right is appurtenant is as follows:
Area served by the City of Bonney Lake.

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 RCW 90.03.380 and 90.03.390.
This certificate of surface water right is specifically subject to relinquishment for nonuse of water as
provided in RCW 90.14.180.

Given under my hand and the seal of this office at Olympia, Washington, this 19th
day of May, 19 74

JOHN A. BIGGS, Director
Department of Ecology

c.e. Victor Falls

8/28/56

S. P. 206, 208-1-27-34, 4778, O.R.

CERTIFICATE RECORD No. 15 PAGE No. 716

STATE OF WASHINGTON, COUNTY OF Pierce

CERTIFICATE OF SURFACE WATER RIGHT

In accordance with the provisions of Chapter 122, Laws of Washington for 1929, and amendments thereto, and the rules and regulations of the State Supervisor of Water Resources thereunder.

This is to certify that TOPE OF BERRY LAKE

of Boswell 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 Washburn spring, a tributary of Powder Creek with point or points of diversion within the meadow

Sec. 9, Twp. 19 N., R. S. E. W. M., under and subject to provisions contained in Appropriation Permit No. 10539 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 15, at Page 716 on the 18th day of May, 1956

that the priority date of the right hereby confirmed is August 28, 1944, 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 0.55 of a cubic foot per second for the purpose of community domestic supply

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:

meadow sec. 9, Twp 19 N., R. S E. W. M.

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.

WITNESS the seal and signature of the State Supervisor of Water Resources affixed this

18th day of May, 1956

M. Walker
State Supervisor of Water Resources.

ENGINEERING DATA

D.K. *[Signature]*

Bonney Lake Name for Source: **Spring above Victor Falls (spring box 3?, northernmost)**

Certificate of Water Right: First issued May 12, 1958, Superceding Certificate issued May 10, 1974.

Certificate No: **S2-00840C** Permit No: **10539** Application No: **14050**
S2-00840C supercedes 7164, assumes 7164 priority, expands area of use

Priority Date: **August 28, 1956**

Local watershed: **Fennel Creek** WRIA: **10 Puyallup/White**

Type of Source: **surface water – unnamed spring**

Qi, maximum rate of withdrawal: **0.55 cfs = 247 gpm**
The application was for 4.0 cfs. Spring low flow estimated as 1.50 cfs.

Qa, maximum volume of withdrawal: **___ acre feet (not specified)**
Withdrawal of 0.55 cfs continuously results in a volume of 398 acre ft.
Report of Exam specifies 403 acre feet. **403 acre feet is based on total service area demand** of 200 gallons per day for 1,800 people.
Permit specifies 403 acre feet.

Area of Use: **Area served by City of Bonney Lake**

Type of Use: **community domestic supply**

Provisions: access port and meter

Report of Examination: Exam September 19, 1956, signed and issued January 30, 1957.

A. Inventory of other Water Rights Appurtenant to this Land:

Surface water Certificate	6459	0.5 cfs
groundwater permit	4148	30 gpm (<i>future Bonney Lake Certificate 2979A</i>)
groundwater permit	4416	20 gpm (<i>future Bonney Lake Certificate 3031</i>)

B. Protests or Senior Rights: **None**

C. Fisheries Issues: “no objections”

D. Source Area Map or Description: **Good map** of spring location but this places source on NW side of Fennel Creek.

E. Demand: Ecology states that the service area will have a population of “1,800 persons by the year 1960” and assumes “**each person using 200 gallons per day and 0.224 af per year**, a total of 360,000 gallons a day (0.55 cfs) and 403 af a year for 1800 persons, less any amount diverted to this use under existing rights.”

F. Conclusions: there is **water available**, the permit should issue

G. Recommendations, Provisions or Conditions: Report of Exam specifies **403 acre feet**.

H. Ownership of Land and Transfers or Acquisition of Water Rights:

Application, Notice, and Permit to Appropriate Public Waters:

Application #14050 submitted August 28, 1956 requested 4.0 cfs.

The population at the time of the application was 436 (1956) and forecast to be 1,800 by 1960.

Good map of spring location but places this source on NW side of Fennel Creek.

The diversion works are described as a dam 6 ft in height and 50 ft long with a concrete headgate.

Notice of Publication is present and was issued September 11, 1956 along with applications 2216 and 4417 for the McDonald wells. It requests 4.0 cfs.

Permit #10539 issued February 21, 1957 specifies 403 acre feet.

Proof of Appropriation: April 28, 1958

Measured .55 cfs

Progress Sheet:

Notice published September 4, and sent September 11, 1956.

No protests

Game and fish approval on January 28, 1957.

Miscellaneous:

The form to assign this water right to the City of Sumner was never completed?

Notice of Beginning of Construction September 15, 1955.

The City asked for applications for additional water rights on two existing Certificates (6459 and 7164) on July 25, 1958

Notice of Beginning of Construction indicates construction actually began in September 1955.

CERTIFICATE RECORD No. 6 PAGE No. 2809-A

STATE OF WASHINGTON, COUNTY OF Pierce

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 State Supervisor of Water Resources thereunder.

THIS IS TO CERTIFY That LAKE TAPPS WATER COMPANY
of Seattle, Washington, has made proof
to the satisfaction of the State Supervisor of Water Resources of Washington, of a right to the use of
the ground waters of a well
located within the SE1/4SE1/4
Sec. 5, Twp. 20 N., R. 5 E., W. M.
for the purpose of community domestic supply
under and subject to provisions contained in Ground Water Permit No. 4226 issued by the State
Supervisor 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 State Supervisor of Water
Resources of Washington and entered of record in Volume 6 at page 2809-A
that the right hereby confirmed dates from January 23, 1957; 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 100 gallons per minute; 45 acre-
feet per year for community domestic supply.

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

Syergreen Point Addition and Tacoma Point Addition, Pierce County, Washington.

The right to the use of the ground 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.

WITNESS the seal and signature of the State Supervisor of Water Resources affixed this 20th day of May, 1957.

ENGINEERING DATA

M. J. Walker
State Supervisor of Water Resources

Bonney Lake Name for Source: **Lake Tapps Co. Evergreen and Tacoma Point Addition**

Certificate of Water Right: Issued May 20, 1957

Certificate No: **2809-A** Permit No: **4226** Application No: **4506**
Certificate of Change of Purpose and Place of Use of Water to Area served by City of Bonney Lake on October 24, 1975.

Priority Date: **January 23, 1957**

Local watershed: *not given* **WRIA: 10 Puyallup/White**

Type of Source: **groundwater well**

Qi, maximum rate of withdrawal: **100 gpm**

Qa, maximum volume of withdrawal: **45 acre feet primary**

Area of Use: **Area served by City of Bonney Lake**

Type of Use: Changed from Community domestic supply to **Municipal supply**

Provisions: none

Report of Examination: Date of exam March 25, 1957, signed April 3, 1957

A. Inventory of other Water Rights Appurtenant to this Land: none
(*Original ROE was for Lake Tapps Water Company service to Evergreen Point and Tacoma Point Additions, and this was the first water to serve that land.*)

B. Protests or Senior Rights:

C. Fisheries Issues:

D. Service Area Map or Description: (*changed from plat to City in 1975*)

E. Demand: Population of 200 in 1965. "...per capita consumption of 200 gpd (0.224 acre feet per year) or a total of 45 acre feet per year for 200 persons."

F. Conclusions: **Approved for 100 gpm 45 acre feet.**

G. Recommendations, Provisions or Conditions: access port

H. Ownership of Land and Transfers or Acquisition of Water Rights:
Good hand drawn map of well location.

Application, Notice, and Permit to Appropriate Public Waters:

Application 4506 January 23, 1957 states: present population of 50 and an estimated population of 200 in 1960 on 290 residential lots.

Notice of Publication absent

Permit 4226 issued April 23, 1957

Proof of Appropriation: May 10, 1957
Measured discharge was 100 gpm

Progress Sheet:
Notice published January 30, 1957
No protests
Game and fish approval: no comment

Miscellaneous:
Report of Exam states that well is 10' in diameter and 94 ft deep. Pump test and log indicate that a 6 ft thick aquifer produced about 104 gpm with dynamic water level falling to 84 ft below the surface.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
SUPERSEDING

66. Lake Jane 3/26/59

CERTIFICATE OF WATER RIGHT

- 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 1940, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE March 26, 1959	APPLICATION NUMBER 3428-A	PERMIT NUMBER 1959	CERTIFICATE NUMBER 3428-A CA
---------------------------------	------------------------------	-----------------------	---------------------------------

NAME
Lake Jane Estates

ADDRESS (STREET) (CITY) (STATE) (ZIP CODE)
Post Office Box 7453 Bonney Lake Washington 98390-0948

This is to certify that the herein named applicant has made proof to the satisfaction of the Department of Ecology of a right to the use of the public waters of the State of Washington as herein defined, and under and specifically subject to the provisions contained in the Permit issued by the Department of Ecology, and that said right to the use of said waters has been perfected in accordance with the laws of the State of Washington, and is hereby confirmed by the Department of Ecology and entered of record as shown, but is limited to an amount actually beneficially used.

PUBLIC WATERS TO BE APPROPRIATED

SOURCE
A well

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR
	180	40

QUANTITY, TYPE OF USE, PERIOD OF USE
40 acre-feet per year Lake level maintenance (Beautification) Year-round, as needed

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL
800 feet north and 500 feet west of the center of Section 28.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE, (E. OR W.) W.M.	W.R.L.A.	COUNTY
SE 1/4 NW 1/4	28	20	5E	10	Pierce

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

The east half of the northwest quarter and the east half of the southwest quarter of the northwest quarter and the east half of the northwest quarter of Section 28, T. 20 N., R. 5 E.W.M.

Lake Jane 3/26/1959

Update: G.W. Cert
3428

GC.

CERTIFICATE OF CHANGE OF PURPOSE AND PLACE OF USE OF WATER

In accordance with the provisions of Chapter 263, Laws of Washington, for 1945, and the regulations of the State Director of Ecology.

THIS IS TO CERTIFY That the City of Bonney Lake, Washington, has complied with all of the requirements of the Revised Code of Washington 90.44.100 and is hereby granted the right to change the purpose and place of use of 180 gallons per minute, 288 acre-feet per year, of the waters of a well as granted under Ground Water Certificate No. 3428-A.

That such water had been used for the purpose of community domestic supply on the following described lands:

~~E1/2SW1/4~~, and ~~E1/2SW1/4~~, and ~~E1/2SW1/4~~, of Section 28,
Township 20 North, Range 5 East W.M.,
Pierce County, Washington.

That they have changed the purpose of use of said water to that of municipal supply and have changed the place of use to the following described lands:

Area served by City of Bonney Lake,
Township 19 and 20 North, Range 5 East W.M.

Given under my hand and seal of this office at Olympia, Washington
this 24th day of October, 1975.


E.W. ABELSTEIN, Regional Manager

RECORDED:
Volume I-2, pp 70
Certificates of Change

OK/P

Bonney Lake Name for Source: **Lake Jane Estates**

Certificate of Water Right: Original Certificate was issued September 1, 1959.

Certificate No: **3428-A CA** Permit No: **1959** Application No: **3428-A**
At the request of Jean Hanson a Superceding Certificate 3428-A CA was issued August 6, 1993.
Certificate 3428-A CA supercedes 3428-A and retains the priority of 3428-A, but it changes Qa from 288 af to 40 af and the type of use from “municipal” to “lake level maintenance (beautification)”.

Old Certificate: **3428-A** Old Permit: **4896** Old Application: **5182**
In 1968, a T&J Maintenance Company applied to Ecology for an unspecified change but records are incomplete.
An unknown party filed for a Certificate of Change of Purpose and Place of Use of Water, which was recorded October 24th, 1975. This changed the original Certificate for the Lake Tapps Development Co. for service to “Lake Jane Estates?” to the “Area served by City of Bonney Lake”.

Priority Date: **March 26, 1959**

Local watershed: *not given* WRIA: **10 Puyallup/White**

Type of Source: **groundwater – well**

Qi,, maximum rate of withdrawal: **180 gpm**

Qa, maximum volume of withdrawal: **40 acre feet primary, year round, as needed. 248 af of original 288 af was relinquished with issuance of the superceding Certificate in 1993.**

Area of Use: **Lake Jane**

Type of Use: **Lake level maintenance (beautification)**

Provisions: **measuring device in future, may be interruptible**

Report of Examination: Date of exam June 22, 1959, date signed July 6, 1959.

A. Inventory of other Water Rights Appurtenant to this Land: none

B. Protests or Senior Rights: none reported

C. Fisheries Issues: none reported

D. Service Area Map or Description: defined by ¼ sections

E. Demand: Demand for the original Lake Tapps Water Company was based on a population of 2,000 in 1975. Demand for Superceding Certificate is “Based on standard evaporation rates, 40 acre feet annually will be required to maintain the lake level of Debra Jane Lake.”

F. Conclusions: **Originally approved for 200gpm and 320 acre feet.**

G. Recommendations, Provisions or Conditions: access port

H. Ownership of Land and Transfers or Acquisition of Water Rights:

Application, Notice, and Permit to Appropriate Public Waters:

Application 5182 March 26, 1959 states: ...having a present population 0, and estimated population of 50 in 1960.

Good hand drawn map.

Notice of Publication is absent.

Permit 4896 issued July 24, 1959.

Proof of Appropriation: Filed August 27, 1959.

Actual measured discharge was 180 gpm.

Progress Sheet:

Notice published April 3, 1959.

No protests

Game and fish approval: no comments

Miscellaneous:

The 1993 Report of Exam states that a well log indicates that the depth of the well is 337 ft and several long screened intervals below 200 ft.

Grainger 3/1/1961

STATE OF WASHINGTON, COUNTY OF Platte

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 ROBERT E. GRAINGER, INC.

of Seattle, 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 Unasud Springs, a tributary of Klhi Creek with point or points of diversion within the NE1/4 Sec. 32, Twp. 20 N., R. 5 E., W. M., under and subject to provisions contained in appropriation Permit No. 12316 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 19, at Page 9328, on the 30 day of April, 1965 that the priority date of the right hereby confirmed is March 1, 1961 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 0.22 cubic feet per second, 22.4 acre-feet per year, for Community Domestic Supply.

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:

Plat of Klhi Creek, within Sec. 32, T. 20 N., R. 5 E.W.M.

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.

WITNESS the seal and signature of the State Supervisor of Water Resources affixed this _____

30 day of April, 1965

Robert E. Grainger, Inc.
454 S.W. 129th
Seattle, Washington


State Supervisor of Water Resources.

Bonney Lake Name for Source: **Grainger Springs for Plat of Elhi Creek**

Certificate of Water Right: Issued to Robert Grainger on April 30, 1965.

Certificate No: **9328** Permit No: **12316** Application No: **16557**

Priority Date: **March 1, 1961**

Local watershed: **Elhi Creek** WRIA: **10 Puyallup**

Type of Source: **surface water – unnamed spring**

Qi,, maximum rate of withdrawal: **0.22 cfs (85 gpm)**

Qa, maximum volume of withdrawal: **22.4 acre feet primary**

Area of Use: **plat of Elhi Creek, within Sec 32, T20N, R5E.**

Type of Use: **community domestic supply**

Provisions: none

Report of Examination: Exam May 9, signed May 11, issued May 26, 1961.

A. Inventory of other Water Rights Appurtenant to this Land: None

B. Protests or Senior Rights: No protests. City of Sumner has a date of priority of July 21, 1958 on Application 14952, Permit 12150.

C. Fisheries Issues: Approved, wire mesh on intake

D. Service Area Map or Description: Two excellent hand drawn maps that show POD's for existing rights in the section.

E. Demand: Request for 0.5 cfs based on community of 104 persons in 1965 and 200 gpd per person.

F. Conclusions: **water is available**, the permit should issue
Applicant Robert Grainger must recognize that Sumner has priority but has made no improvements and must obtain easements and access with permission from Robert Grainger.

G. Recommendations, Provisions or Conditions:

“The estimated flow of the combined springs on August 19, 1960 was about 0.5 cfs. With minor fluctuations the flow is reported to remain fairly stable throughout the year. The examiner observed these springs at various times of the year and would concur with this report.”

ROE recommended 23.3 af but this was changed to 22.4 af at some point.

H. Ownership of Land and Transfers or Acquisition of Water Rights:

Robert Grainger owns the property and much of the watershed including land that Sumner proposes for its point of diversion.

Application, Notice, and Permit to Appropriate Public Waters:

Application 16557 submitted by Robert Grainger, Inc. on **March 1, 1961**.

Notice of Publication is absent

Permit 12316 issued May 26, 1961 allows up to 0.5 cfs during the entire year.

Proof of Appropriation: Signed April 23, 1965.

Progress Sheet:

Notice published March 8, 1961.

No protests

Game and fish approval on April 3, 1961 provided that intake has a fine mesh screen.

Shows application was cancelled October 9, 1963 and reinstated April 26, 1965.

Victor Falls 7/2/63

STATE OF WASHINGTON, COUNTY OF Pierce

CERTIFICATE OF SURFACE WATER RIGHT

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

This is to certify that TOWN OF BOONEY LAKE

of Boone 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 Danwood Spring, a tributary of Yanuel Creek with point or points of diversion within the SW/4

Sec. 9, Twp. 19 N., R. 3 E., W. M., under and subject to provisions contained in appropriation Permit No. 13297 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 9632, on the 15th day of June, 1963, that the priority date of the right hereby confirmed is July 1, 1963, 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 0.70 cubic feet per second, 304 acre-feet per year, for municipal supply.

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 Booney Lake and Community of Lake Tappa, in Pierce County.

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.

WITNESS the seal and signature of the State Supervisor of Water Resources affixed this 15th day of June, 1966.

M. G. Walker
State Supervisor of Water Resources.

Bonney Lake Name for Source: **Spring above Victor Falls (spring box 2, middle spring)**

Certificate of Water Right: Issued June 15, 1966

Certificate No: **9652** Permit No: **13297** Application No: **18012**

Priority Date: **July 2, 1963**

Local watershed: **Fennel Creek** WRIA: **10 Puyallup/White**

Type of Source: **surface water – unnamed spring**

Qi, maximum rate of withdrawal: **0.70 cfs = 314 gpm**

Qa, maximum volume of withdrawal: **504 acre feet primary (0.70 cfs continuously equals 507 af)**

Area of Use: **Town of Bonney Lake and Community of Lake Tapps**

Type of Use: **Municipal supply**

Provisions: none

Report of Examination: Date of exam July 31, 1963, signed December 13, 1963, issued December 30, 1963.

A. Inventory of other Water Rights Appurtenant to this Land:

This application	18012	504 af	0.70 cfs	314 gpm
concurrent application	18013	504 af	0.70 cfs	314 gpm

Existing certificated water rights:

Certificate for groundwater	2979	48 af		30 gpm
Certificate for groundwater	3031	32 af		20 gpm
Certificate for surface water	6459	360 af ***	0.50 cfs	224 gpm
Certificate for surface water	<u>7164</u>	<u>403 af</u>	<u>0.55 cfs</u>	<u>247 gpm</u>
Report of Exam states that total acre feet is		843 af	1.05 cfs	521 gpm totals

360 af *** This number is calculated by subtracting the af listed for the other rights. It provides important substantiation by Ecology of the 360 af for Certificate 6459. If 6459 is used continuously at 0.5 cfs as stated in the Permit, then this yields 362 acre feet. Report of Exam for concurrent Application 18013 (future Certificate 11485) verifies 360 af for Certificate 6459.

B. Protests or Senior Rights: No protests

C. Fisheries Issues: Approved

D. Service Area Map or Description: Good source area map (may be from application) identifies the source as spring box 2 (middle spring) in the existing collection system.

E. Demand: Population of 10,000 in 1970.

F. Conclusions: there is **water available**, the permit should issue ROE states that 1.0 cfs measured, probable low flow is 1.0 cfs

G. Recommendations, Provisions or Conditions:

DOH source approval.

Primary right for 0.70 cfs and 504 acre feet.

H. Ownership of Land and Transfers or Acquisition of Water Rights:

Application, Notice, and Permit to Appropriate Public Waters:

Application #18012 received July 2, 1963.

City was notified that Fennel Creek was closed to further withdrawals. However, apparently no protests were filed.

Notice of Publication sent July 5, 1963.

Permit 13297 issued January 14, 1964.

Proof of Appropriation: (April 13, 1966)

“500 gpm capacity from each of 2 pumps, only one pump operates at a time” serving 4,000 people

Progress Sheet:

notice published July 3, 1963

no protests

game and fish approval December 9, 1963

Miscellaneous:

Cancelled March 31, 1965, but reinstated March 16, 1966.

CERTIFICATE RECORD No. 23, PAGE No. 11485

STATE OF WASHINGTON, COUNTY OF Pierce

CERTIFICATE OF SURFACE WATER RIGHT

(In accordance with the provisions of Chapter 90A, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

THIS IS TO CERTIFY That TOWN OF BOUNEY LAKE

of Sumner, Washington has made proof to the satisfaction of the Department of Ecology of a right to the use of the public surface waters of the State of Washington from an unnamed spring a tributary of Yappel Creek, with point of diversion within NE 1/4

Sec. 9, Twp. 19 N., R. 5 E., W.M. for the purpose(s) of municipal supply

under and specifically subject to provisions contained in appropriation Permit No. 11298 issued by the Department of Ecology, 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 Department of Ecology and entered of record in Volume 23 at Page 11485; that the priority of the right hereby confirmed dates from July 2, 1963; that the quantity of water under the right hereby confirmed for the aforesaid purposes is limited to an amount actually beneficially used and shall not exceed 1.7 cubic feet per second, 504 acre-feet per year, during entire year, for municipal supply.

A description of the lands to which such surface water right is appurtenant is as follows:

Town of Bouney Lake and Community of Lake Yapps, in Pierce County.

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 RCW 90.03.380 and 90.03.390.

This certificate of surface water right is specifically subject to relinquishment for nonuse of water as provided in RCW 90.14.180.

Given under my hand and the seal of this office at Olympia, Washington, this 18th day of May, 1971

JOHN A. BIGGS, Director Department of Ecology

Engineering Data

OK BT

by Glen H. Fiedler, Glen H. Fiedler

Bonney Lake Name for Source: **Spring above Victor Falls (spring box 3, northernmost)**

Certificate of Water Right: Issued May 18, 1971 (five years after concurrent application 18012)

Certificate No: **11485** Permit No: **13298** Application No: **18013**

Priority Date: **July 2, 1963**

Local watershed: **Fennel Creek** WRIA: **10 Puyallup/White**

Type of Source: **surface water – unnamed spring**

Qi, maximum rate of withdrawal: **0.70 cfs = 314 gpm**

Qa, maximum volume of withdrawal: **504 acre feet primary (0.70 cfs continuously equals 507 af)**

Area of Use: **Town of Bonney Lake and Community of Lake Tapps**

Type of Use: **Municipal supply**

Provisions: none

Report of Examination: Date of exam July 31, 1963, signed December 13, 1963, issued December 30, 1963.

A. Inventory of other Water Rights Appurtenant to this Land:

This application	18013	504 af	0.70 cfs	314 gpm
concurrent application	18012	504 af	0.70 cfs	314 gpm

Existing certificated water rights:

Certificate for groundwater	2979	48 af		30 gpm
Certificate for groundwater	3031	32 af		20 gpm
Certificate for surface water	6459	360 af *	0.50 cfs	224 gpm
Certificate for surface water	<u>7164</u>	<u>403 af</u>	<u>0.55 cfs</u>	<u>247 gpm</u>
Report of Exam states that total acre feet is		843 af	1.05 cfs	521 gpm totals

360 af * This number is calculated by subtracting the af listed for the other rights. It provides important substantiation by Ecology of the 360 af for Certificate 6459. If 6459 is used continuously at 0.5 cfs as stated in the Permit, then this yields 362 acre feet.

Report of Exam for concurrent Application 18012 (future C 9652) verifies 360 af for Certificate 6459.

B. Protests or Senior Rights:

C. Fisheries Issues: Approved

D. Service Area Map or Description: Good source area map (may be from application) identifies the point of diversion as what is now spring box 3, the northernmost spring in the City's existing system. This spring is in NE ¼ of NW ¼ of section 9. Note that the concurrent application 18012 (Certificate 9652) is for SE ¼ of NW ¼ of section 9 which is spring box 2.

E. Demand: Population of 10,000 in 1970. (see Application and Proof of Appropriation)

F. Conclusions: there is **water available**, the permit should issue
ROE states that 1.10 cfs measured, probable low flow is 1.0 cfs

G. Recommendations, Provisions or Conditions:
DOH source approval.
Primary right for 0.70 cfs and 504 acre feet.

H. Ownership of Land and Transfers or Acquisition of Water Rights: (*see below*)

Application, Notice, and Permit to Appropriate Public Waters:

Application #18013 received July 2, 1963 states that the present population is 3,500; present requirement is for 4,000 people and a population of 10,000 by 1970.

Ownership of Land is actually an easement and right of entry to the point of diversion.

City was notified that Fennel Creek was closed to further withdrawals.

Agency remarks include "Upon granting of permit for this appl., Town of Bonney Lake will desire to abandon rights to Cert #7164 (see plat) – which is not used."

Apparently this issue was resolved through Superceding Certificate S2-00840.

Notice of Publication absent but sent July 5, 1963.

Permit 13298 issued January 14, 1964 shows construction was delayed until 1970.

Proof of Appropriation: March 18, 1971

600 gpm all year

This contains a legal description of easement between spring and pump house.

Progress Sheet:

Notice published July 3, 1963

No protests

Game and fish approval December 9, 1963

Miscellaneous:

Cancelled March 31, 1965, but reinstated March 16, 1966.

Numerous letters about Ecology canceling the Permit and responses from Bonney Lake. Cancellation was due to lack of communication with Ecology about construction progress.

A letter from the Town of Bonney Lake to the Water Resources Board dated March 20, 1968 states:

"...Bonney Lake intends to develop the water of unnamed spring described on our permit No. 13298.

After taking a series of weir measurements, we believe that we can develop a capacity of 300 gpm. The City also wishes to cancel Application No. 19809, which is pending..."

Weir measurements were made: Jan. 31, Feb. 3, 10, 17, 24, Mar. 2, 9, 17.

Notices of start and finish of construction.

cc Ball Park 3/4/68
UPDATE GWCert 6671

CERTIFICATE OF CHANGE OF PURPOSE AND PLACE OF USE OF WATER

In accordance with the provisions of Chapter 263, Laws of Washington, for 1945, and the regulations of the State Director of Ecology.

THIS IS TO CERTIFY That the City of Bonney Lake, Sumner, Washington, has complied with all of the requirements of the Revised Code of Washington 90.44.100 and is hereby granted the right to change the purpose and place of use of 270 gallons per minute, 185 acre-feet per year, of the waters of two wells as granted under Ground Water Certificate No. 6671-A.

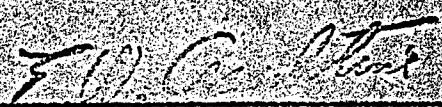
That such water had been used for the purpose of community domestic supply on the following described lands:

Community of Lakeridge within Secs. 15, 17, 18, 20,
and 21, Township 20 North, Range 5 East W.M.

That it has changed the purpose of use of said water to that of municipal supply on the following described land:

Area served by City of Bonney Lake, within Township 19
and 20, North, Range 5 East W.M., Pierce County,
Washington.

Given under my hand and seal of this office at Olympia, Washington,
this 27th day of January, 1976.


E. W. ASSISTINE
Regional Manager
Department of Ecology

RECORDED:

(Volume 2-2, pp 72
Certificates of Change

6th Ball Park 3/4/1968

STATE OF WASHINGTON, COUNTY OF Pierce

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 WEST TAPPS WATER COMPANY, INC.

of Sumner, Washington, has made proof to the satisfaction of the Department of Water Resources of a right to the use of the public ground waters of the State of Washington from two (2) wells

located within Government Lot J and Tract B, Plat of Lake Tapps Lakeridge No. 4, of
Sec. 21, Twp. 20 N., R. 5 E. W.M.,

for the purpose(s) of community domestic supply

under and specifically subject to provisions contained in Ground Water Permit No. 3610

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 and entered of record in Volume 14 at page 6671-A, that the priority of the right hereby confirmed dates from March 4, 1968; that the quantity of ground water under the right hereby confirmed for the aforesaid purposes, is limited to an amount actually beneficially used for said purposes, and shall not exceed 770 gallons per minute, 185 acre-feet per year, from 2 wells for community domestic supply, continuously during entire year for 375 tons.

A description of the lands to which such ground water right is appurtenant is as follows:
Community of Lakeridge within Secs. 16, 17, 18, 20, and 21, T. 20 N., R. 5 E.W.M.

The right to use of water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in RCW 90.03.380, 90.03.390 and 90.44.020.

This certificate of ground water right is specifically subject to relinquishment for nonuse of water as provided in RCW 90.14.180.

WITNESS the seal and signature of the Assistant Director, Division of Water Management, Department of Water Resources, affixed this 17th day of December, 19 69

Glen H. Sullivan
Assistant Director
Division of Water Management
Department of Water Resources

Engineering Data

OK *[Signature]*

Bonney Lake Name for Source: **Lakeridge, West Tapps Water Co.**

Certificate of Water Right: Issued December 17, 1969.

Certificate No: **6671-A** Permit No: **8610** Application No: **9259**

Priority Date: **March 4, 1968**

Local watershed: *not specified* WRIA: **10 Puyallup/White**

Type of Source: **groundwater – 2 wells in Government Lot 3 and Tract B, Plat of Lake Tapps Lakeridge No. 4** (see application)

Qi, maximum rate of withdrawal: **270 gpm**

Qa, maximum volume of withdrawal: **185 acre feet primary**

Area of Use: **370 lots in community of Lakeridge**

Type of Use: **community domestic supply**

Provisions: none

Report of Examination: Date of exam April 5, 1968, date signed May 21, 1968.

A. Inventory of other Water Rights Appurtenant to this Land: none

B. Protests or Senior Rights:

C. Fisheries Issues:

D. Service Area Map or Description: Lakeridge

E. Demand: Applied for 365 gpm. "The annual quantity is based on a maximum need of ½ acre-foot for each lot, or 185 acre-feet annually for 370 lots."

F. Conclusions: **Approved**

G. Recommendations, Provisions or Conditions: access port, master meter, DOH source approval, certification should not proceed until pumps and pipes are in place capable of delivering the recommended quantity of water.

H. Ownership of Land and Transfers or Acquisition of Water Rights:

Application, Notice, and Permit to Appropriate Public Waters:

Application 9259 filed March 4, 1968.

Notice of Publication is absent

Permit 8610 issued August 12, 1968 describes the location of the wells in detail and includes a section map.

Proof of Appropriation: signed December 9, 1969

No. 2 - 180 gpm actually measured

No. 1 - 90 gpm actually measured

Progress Sheet:

Notice published March 5, 1968

Miscellaneous:

Report of Exam and well logs describe two wells:

No.1 8" diameter and 150 ft deep screened from 128 to 147 ft deep with a test yield of 100 gpm

No.2 8" diameter and 120 ft deep screened from 102 to 111 ft deep with a test yield of 265 gpm

60 Grainger 1/19/73

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

CERTIFICATE OF WATER RIGHT

- 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.)

CERTIFICATE NUMBER S2-20715C	PERMIT NUMBER S2-20715P	APPLICATION NUMBER S2-20715	PRIORITY DATE January 19, 1973
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NAME
CITY OF BONNEY LAKE

ADDRESS (STREET) 19603 Bonney Lake Blvd	(CITY) Sumner	(STATE) Washington	(ZIP CODE) 98390
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This is to certify that the herein named applicant has made proof to the satisfaction of the Department of Ecology of a right to the use of the public waters of the State of Washington as herein defined, and under and specifically subject to the provisions contained in the Permit issued by the Department of Ecology, and that said right to the use of said waters has been perfected in accordance with the laws of the State of Washington, and is hereby confirmed by the Department of Ecology and entered of record as shown.

PUBLIC WATER TO BE APPROPRIATED

SOURCE
unnamed springs

TRIBUTARY OF (IF SURFACE WATERS)
Elhi Creek

MAXIMUM CUBIC FEET PER SECOND 3.33	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR 2000
---------------------------------------	----------------------------	------------------------------------

?
3.33
or
3.53

QUANTITY, TYPE OF USE, PERIOD OF USE
2000 acre-feet per year municipal supply when available

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION/WITHDRAWAL
1000 feet south and 1250 feet west of the east quarter corner of Sec. 32

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) S 1/2 Government Lot 7 and 8, P.D.S.	SECTION 32	TOWNSHIP N. 20	RANGE, (E. OR W.) W.M. 5 E	W.R.I.A. 10	COUNTY Pierce
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RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
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LEGAL DESCRIPTION OF PROPERTY WATER TO BE USED ON

Area served by City of Bonney Lake

PROVISIONS

A suitable measuring device shall be installed and maintained in accordance with WAC 508-64-020 through WAC 508-64-040.

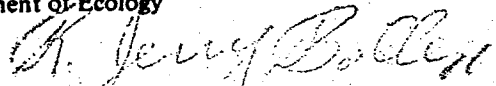
A minimum of 0.67 cubic foot per second may be required to be bypassed in order to satisfy prior rights downstream in order to satisfy the Department of Fisheries minimum flow requirements.

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 RCW 90.03.380, 90.03.390, and 90.44.020.

This certificate of water right is specifically subject to relinquishment for nonuse of water as provided in RCW 90.14.180.

Given under my hand and the seal of this office at Olympia, Washington, this 11th day of July, 1975.

JOHN A. BIGGS, Director
Department of Ecology



by R. Jerry Bollen, Assistant Director

ENGINEERING DATA

OK. P

FOR COUNTY USE ONLY

Bonney Lake Name for Source: **Grainger Springs**

Certificate of Water Right: Issued July 11, 1975.

Certificate No: **S2-20715C** Permit No: **S2-20715P** Application No: **S2-20715**

Priority Date: **January 19, 1973**

Local watershed: **Elhi Creek** WRIA: **10 Puyallup**

Type of Source: **surface water – unnamed spring**

Qi,, maximum rate of withdrawal: **3.53 cfs (1584 gpm)** *This is difficult to read (3.33 vs 3.53) on the Certificate but several other documents support 3.53.*

Qa, maximum volume of withdrawal: **2000 acre feet per year when available**
Note that this does not state or have the asterisk after the 2000 which is Ecology's usual and customary way of establishing that the right is supplemental.

Area of Use: **Area served by City of Bonney Lake**

Type of Use: **Municipal supply**

Provisions: **Yes, and substantive**

"A minimum of 0.67 cfs may be required to be bypassed to satisfy prior rights downstream in order to satisfy the Department of Fisheries minimum flow requirements."

Install a meter.

No mention of 2000 af being supplemental.

Report of Examination: Exams on September 12, 1972 and June 6, 1973. Signed June 20, 1974.

A. Inventory of other Water Rights Appurtenant to this Land:

9652	1963a	Victor Falls	0.70 cfs =	314 gpm	504 af	
7164	1956	Victor Falls	0.55 cfs =	247 gpm	403 af	
11485	1963b	Victor Falls	0.70 cfs =	314 gpm	504 af	
6459	1955	Victor Falls	0.50 cfs =	224 gpm	___ af	
Acquired water rights						
GW - 2979A	1956	McDonald 8 orchard	0.07 cfs =	30 gpm	48 af	
9328	1961	Robert Grainger	0.22 cfs =	100 gpm	22.4 af	
GW - 6671	1968	West Lake Tapps (Ball Park)	0.51 cfs =	270 gpm	185 af	270 gpm = .60 cfs
GW - 2809A	1961	L. Tapps Water Co. (Tac. Pt.)	0.22 cfs =	100 gpm	45 af	
GW - 3428A	1959	L. Tapps Water Co	0.40 cfs =	180 gpm	288 af	Lake Jane
		Correct totals	3.96 cfs =	1779 gpm	1999.4 af	
		Ecology totals	3.87 cfs =	1738 gpm	1999.4 af	

Ecology requests that C 9328 be cancelled.

9328	1961	Grainger	Ecology totals	3.87 cfs =		1999.4 af
			if cancelled	- 0.22 cfs =	<u>100 gpm</u>	<u>22.4 af</u>
			Ecology totals	3.65 cfs =	1638 gpm	1945.0 af
						mystery math
 			<i>Correct totals</i>	<i>3.96 cfs =</i>	<i>1779 gpm</i>	<i>1999.4 af</i>
9328	1961	Grainger	<i>if cancelled</i>	<i>- 0.22 cfs =</i>	<i>100 gpm</i>	<i>22.4 af</i>
			<i>Correct totals</i>	<i>3.74 cfs =</i>	<i>1679 gpm</i>	<i>1977.0 af</i>

“The net rights to be considered under existing certificates is 3.65 cfs and 1945 af per year”
Unclear how the examiner arrived at 1945 af (1999.4 – 22.4 = 1977, not 1945).

G2-20715	1973	Grainger Springs	3.50 cfs =	1,571 gpm	2,000 af	this applicator
Net rights... under existing certificates			<u>3.65 cfs =</u>	<u>1,638 gpm</u>	<u>1,945.0 af</u>	
Ecology total of proposed and existing rights			7.15 cfs =	3,209 gpm	3945.0 af	

Based on the erroneous demand calculations (discussed below), which use 150 gpd per service, then the deficiency between existing rights and future demand is:

Ecology erroneously calculated demand	6.00 cfs =	2,693 gpm	2,000 af
Net rights... under existing certificates	<u>3.65 cfs =</u>	<u>1,638 gpm</u>	<u>1,945.0 af</u>
	primary 2.35 cfs =	1,055 gpm	55.0 af primary

“The actual additional amount needed under this application is 2.35 cfs and 55 af of water annually.”

Ecology total of proposed and existing rights	7.15 cfs =	3,209 gpm	3,945 af
Ecology erroneously calculated demand	<u>6.00 cfs =</u>	<u>2,693 gpm</u>	<u>2,000 af</u>
standby emergency supply	1.15 cfs =	516 gpm	1,945 af supplemental

The “1.15 cfs should be considered as a standby emergency supply.” “... and 1945 af as a supplemental supply provided that the total amount appropriated under this application and all other existing rights does not exceed 2000 af annually.”

Errors in this ROE will be largely be compensated for with the water right inventory of the 2005 Comprehensive Water System Plan and when Tacoma Point Permit G2-27693 is perfected.

B. Protests or Senior Rights: Yes,

May 1, 1973, Alfred C. Milette objected because of encroachment onto his property during construction Senior rights:

A. H. Pearson Donation Land Claim 100 gpm from Ehli/Van Ogle Creek

Knutson Farms, Certificate # 428 surface water from Ehli/Van Ogle Creek

Fisheries “If tributary to Van Ogle Creek – then minimum flow provisions”

C. Fisheries Issues: Yes, Approved subject to low flow proviso.

“Provided further, that a minimum of 0.67 cfs may be required to be bypassed in order to satisfy prior rights downstream in order to satisfy the Department of Fisheries minimum flow requirements.

D. Service Area Map or Description: See Robert Grainger map C 9328.

E. Demand: Ecology appears to have made some errors in demand calculations here.

Ecology quotes the City's Comprehensive Water Plan of 1970:

year 1970: 1,683 customers (services) from 2 wells and 4 springs.

year 1985: 6,000 customers anticipated

ultimate: 12,000 customers with a population of 42,500 (3.5 people per service)

Ecology notes that in the past the rate of development has exceeded predictions.

“Based on the ultimate 12,000 customers and the normal use of 150 gallons per day per service... the annual water use for 12,000 services would be approximately 2000 af per year, and an instantaneous system capacity of 6.0 cfs.”

The 150 gpd per service is inconsistent with use assumed by Ecology in previous and future reports of exam. Is this entire ROE erroneous because the examiner meant to assume 150 gpd per person?

Compare the following two calculations:

*150 gpd per service * 12,000 services * 3.5 people per service = 630,000 gallons per day
630,000 gallons per day * 365 days = 2.3 billion gallons per year
2.3 billion gallons per year / 7.48 gallons per cubic foot = 307 million cubic feet per year
307 million cubic feet / 43560 square feet in an acre = 7057 acre feet of demand = Qa*

*150 gpd per service * 12,000 services * 365 days = 657 million gallons per year
657 million gallons per year / 7.48 gallons per cubic foot = 88 million cubic feet
88 million cubic feet / 43560 square feet in an acre = 2016 acre feet of demand = Qa*

Note that 1956 ROE for C-7164 assumes 200 gpd per capita.

Note that 1982 ROE for G2-25924 assumes 150 gpd per capita.

Note that 1987 ROE's for G2-26853 and G2-26854 assume 365 gpd per service for 12,000 services or a total annual demand of 4905 af.

Clearly the examiner made a mathematical error. Based on 150 gpd per capita the demand for 12,000 services was 7057 acre feet. Based on existing rights at that time of 1977 af, Bonney lake should have been granted the full 2000 af to reduce the difference between future demand and existing supply from 5080 af to 3080 af.

F. Conclusions: **water is available**, the permit should issue

“Previous investigators have viewed the spring areas and estimated a flow of 0.5 cfs on August 19, 1960.”... the amount of water applied for will not be available at all times, because of prior rights and low flows.”

G. Recommendations, Provisions or Conditions: **substantative**

“The application may be approved for 3.5 cfs when available and for 55 af annually as a primary right, and 1945 af as a supplemental supply provided that the total amount appropriated under this application and all other existing rights does not exceed 2000 af annually.

Provided further, that a minimum of 0.67 cfs may be required to be bypassed in order to satisfy prior rights downstream in order to satisfy the Department of Fisheries minimum flow requirements.”

DOH source approval.

Measuring device (meter).

Screen to be recommended by fisheries on the intake.

HPA for work that effects Ehli Creek.

For acquired water rights, "the City will be required to file for Certificates of Change in place of use to Area served by the City of Bonney Lake."

Certificate 9328,1961 for Grainger springs at 0.22 cfs or 100 gpm and 22.4 af will be cancelled when new right for Grainger Spring is permitted.

H. Ownership of Land and Transfers or Acquisition of Water Rights:

It is noted that the point of diversion and/or water transmission facilities are not wholly located upon the land owned by the applicant.

Application, Notice, and Permit to Appropriate Public Waters:

Application #S2-20715 January 19, 1973 requests 3.5 cfs and 2170 af.

The estimates the 1973 demand to be for a population of 6300 which requires 1800 gpm. Future population is estimated as 13,000 in 1980.

Notice of Publication March 13, 1973

Permit #S2-20715P approved November 29, 1974, signed March 7, 1975 states:

"The Permit may be approved for 3.5 cfs when available and for 55 af annually as a primary right, and 1945 af as a supplemental supply provided that the total amount appropriated under this Permit and other existing rights does not exceed 2000 af annually."

"Provided further, that a minimum of 0.67 cfs may be required to be bypassed in order to satisfy prior rights downstream in order to satisfy the Department of Fisheries minimum flow requirements."

Note these conditions in the Permit are the same as those in the Report of Exam.

Proof of Appropriation: Signed April 3, 1975.

"OK, issue for 3.33 cfs, rest like permit, 6/25/75."

Pumps were built for 1500 gpm or 3.33 cfs and this is the amount of water put to beneficial use. However, the instantaneous right is being read on the Certificate as 3.53 cfs.

Progress Sheet:

Notice published February 14, 1973 and sent March 13, 1973.

Protested May 1, 1973.

Game and fish approval on June 29, 1973 with provisos of SC-HP and MF-(Van Dyke).

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

GC
Add to McDonald
1956
4/15/74

CERTIFICATE OF WATER RIGHT

- 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.)

CERTIFICATE NUMBER G2-22219C	PERMIT NUMBER G2-22219P	APPLICATION NUMBER G2-22219	PRIORITY DATE April 15, 1974
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NAME CITY OF BONNEY LAKE			
ADDRESS (STREET) 19306 Bonney Lake Blvd	(CITY) Bonney Lake	(STATE) Washington	(ZIP CODE) 98390

This is to certify that the herein named applicant has made proof to the satisfaction of the Department of Ecology of a right to the use of the public waters of the State of Washington as herein defined, and under and specifically subject to the provisions contained in the Permit issued by the Department of Ecology, and that said right to the use of said waters has been perfected in accordance with the laws of the State of Washington, and is hereby confirmed by the Department of Ecology and entered of record as shown.

PUBLIC WATER TO BE APPROPRIATED

SOURCE Well		
TRIBUTARY OF (IF SURFACE WATERS)		
MAXIMUM CUBIC FEET PER SECOND 24.0	MAXIMUM GALLONS PER MINUTE 30	MAXIMUM ACRE-FEET PER YEAR 24.0
QUANTITY, TYPE OF USE, PERIOD OF USE 24.0 acre-feet per year	municipal supply	continuously

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION/WITHDRAWAL
100 feet north and 200 feet east of the southwest corner of Sec. 28

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) SW 1/4	SECTION 28	TOWNSHIP N. 20	RANGE, (E. OR W.) W.M. 5 E	W.R.I.A. 10	COUNTY Pierce
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RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
-----	-------	------------------------------------

LEGAL DESCRIPTION OF PROPERTY WATER TO BE USED ON

Area served by City of Bonney Lake

PROVISIONS

The access port as required on your permit, shall be maintained at all times.

A suitable measuring device shall be installed and maintained in accordance with WAC 508-68-020 through WAC 508-64-040.

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 RCW 90.03.380, 90.03.390, and 90.44.020.

This certificate of water right is specifically subject to relinquishment for nonuse of water as provided in RCW 90.14.180.

Given under my hand and the seal of this office at Olympia, Washington, this 17th day of September, 1973.

JOHN A. BIGGS, Director
Department of Ecology

ENGINEERING DATA
OK

by E.W. Caselino
Regional Manager

FOR COUNTY USE ONLY

Bonney Lake Name for Source: **McDonald Lot 8 or Section 28 in Township 20 or 214th St? well**

Certificate of Water Right: Issued September 17, 1976

Certificate No: **G2-22219C** Permit No: **G2-22219P** Application No: **G2-22219A**

Priority Date: **April 15, 1974**

Local watershed: *not specified* WRIA: **10 Puyallup/White**

Type of Source: **groundwater – well**

Qi,, maximum rate of withdrawal: **30 gpm continuously**

Qa, maximum volume of withdrawal: **24 acre feet**

Area of Use: **Area served by City of Bonney Lake**

Type of Use: **Municipal supply**

Provisions: access port and meter

Report of Examination: Issued July 3, 1975

A. Inventory of other Water Rights Appurtenant to this Land:

Certificate	9652	504 af	0.70 cfs		
Certificate	7164	403 af	0.55 cfs		
Certificate	11485	504 af	0.70 cfs		
Certificate	6459	none given	0.50 cfs		
Certificate	2979A	48 af	0.07 cfs	30 gpm	
Certificate	9328	22.4 af	0.22 cfs		“acquired”
Certificate	6671	185 af	0.51 cfs	270 gpm	“acquired”
Certificate	2809A	45 af	0.22 cfs	100 gpm	“acquired”
Certificate	3428A	288 af	0.40 cfs	180 gpm	“acquired”
Certificate	S2-20715C	<u>2000 af</u>	<u>3.33 cfs</u>	<i>Ecology error, actually</i> <u>3.53 cfs</u>	
		3999.4 af	7.20 cfs	=	3231 gpm

B. Protests or Senior Rights:

C. Fisheries Issues:

D. Service Area Map or Description: Area served by City of Bonney Lake

E. Demand: “Based on the ultimate of 12,000 customers” *but no year given.* “normal use of **150 gpd per service**” *perpetuates error in Grainger ROE.*

F. Conclusions: **water is available**, the permit should issue

G. Recommendations, Provisions or Conditions: “...normal use of 150 gpd per service..., the annual water use for 12,000 services would be approximately 2000 af per year. Existing rights already total 2000 af per year. Any annual quantity allocated under this application will be totally supplemental to existing rights. Based on pumping 30 gpm for 50% of the time, this application can be approved for 30 gpm, 24 af per year.”

Install access port, meter, DOH source approval.

H. Ownership of Land and Transfers or Acquisition of Water Rights:

Application, Notice, and Permit to Appropriate Public Waters:

Application G2-22219 April 15, 1974

Notice of Publication February 10, 1975, *but a note states:* “Not advertised this way, normal notice rec’d in person June 24, 1975

Permit G2-22219P issued September 12, 1975 states: 24.0 af per year, municipal supply, continuously.

Proof of Appropriation: signed July 15, 1976, date filed July 19, 1976.

“This is an old installation which was not rebuilt, our purpose for asking for this permit is to justify the amount of water pumped.”

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

G.C. Ball Park 2/5/86

CERTIFICATE OF WATER RIGHT

- 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	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
February 5, 1986	G 2-26853	G 2-26853 P	G 2-26853 C

NAME

City of Bonney Lake

ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
19306 Bonney Lake Blvd.	Bonney Lake	Washington	98390

This is to certify that the herein named applicant has made proof to the satisfaction of the Department of Ecology of a right to the use of the public waters of the State of Washington as herein defined, and under and specifically subject to the provisions contained in the Permit issued by the Department of Ecology, and that said right to the use of said waters has been perfected in accordance with the laws of the State of Washington, and is hereby confirmed by the Department of Ecology and entered of record as shown, but is limited to an amount actually beneficially used.

PUBLIC WATER TO BE APPROPRIATED

SOURCE

Well (ball park well)

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR
	1000	800

QUANTITY, TYPE OF USE, PERIOD OF USE

800 acre-feet per year municipal supply as needed

(primary)

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL

1440 feet North and 690 feet West of Southeast corner of Section 21.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE, (E. OR W.) W.M.	W.R.I.A.	COUNTY
NE½SE¼	21	20	5 E	10	Pierce

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
Tract B		Lake Tapps Lakeridge #4

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Area served by City of Bonney Lake.

All water wells constructed within the state shall meet the minimum standards for construction and maintenance as provided under RCW 18.104 (Washington Water Well Construction Act of 1971) and Chapter 173-160 WAC (Minimum Standards for Construction and Maintenance of Water Wells.)

The access port shall be maintained at all times on the well (s).

At such time that the Department of Ecology determines the regulation and management of the subject waters is necessary and in the public interest, an approved measuring device shall be installed and maintained in accordance with RCW 90.03.360 and WAC 508-64-020 through WAC 508-64-040.

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 RCW 90.03.380, 90.03.390, and 90.44.020.

This certificate of water right is specifically subject to relinquishment for nonuse of water as provided in RCW 90.14.180.

Given under my hand and the seal of this office at Olympia, Washington, this 23rd day of June, 1987.

Andrea Beatty Riniker, Director
Department of Ecology

Clark Haberman
b. Clark Haberman, Regional Manager

ENGINEERING DATA
OK *ups*

Bonney Lake Name for Source: **Ball Park well (Lakeridge #4), Section 21 T20N. Water Well No. 1**

Certificate of Water Right: Issued June 23, 1987

Certificate No: **G2-26853 C** Permit No: **G2-26853 P** Application No: **G2-26853**
Note that the Tacoma Pt No. 2 well with the same date of priority is G2-26854C

Priority Date: **February 5, 1986**

Local watershed: *not specified* WRIA: **10 Puyallup/White**

Type of Source: **groundwater – well**

Qi, maximum rate of withdrawal: **1000 gpm**

Qa, maximum volume of withdrawal: **800 acre feet primary as needed**

Area of Use: **Area served by City of Bonney Lake**

Type of Use: **Municipal supply**

Provisions: access port and meter

Report of Examination: signed April 17, 1987, issued May 19, 1987.

Note that the Report of Exam for G2-26854 C Tacoma Point 2 well was conducted on the same day and it is nearly identical to this ROE.

A. Inventory of other Water Rights Appurtenant to this Land:

Certificate	9652	0.70 cfs	= 314 gpm	504 af	
Certificate	7164 S2-00840	0.55 cfs	= 247 gpm	403 af	
Certificate	11485	0.70 cfs	= 314 gpm	504 af	
Certificate	6459	0.50 cfs	= 224 gpm		
Certificate	9328	0.22 cfs	= 100 gpm	22.4 af	
Certificate	S2-20715	3.33 cfs	= 1494 gpm	55 af	+ 1945 supplemental
Certificate	3428A	0.40 cfs	= 180 gpm	288 af	<i>Application 5182</i>
Permit	G2-25924 P		<u>360 gpm</u>	<u>290 af</u>	
			3233 gpm	2,066 af	

“...four well are slated for abandonment...”

Certificate	2979A	0.07 cfs	= 30 gpm	48 af	
Certificate	6671A	0.51 cfs	= 270 gpm	185 af	
Certificate	2809A	0.22 cfs	= 100 gpm	45 af	
Certificate	G2 - 22219C		<u>30 gpm</u>	<u>0 af</u>	+ 24 af are supplemental
			460 gpm	278 af	Ecology ROE totals

should be 430 gpm Ecology error of 30 extra gpm in ROE?

“Certificate 5182 was turned over to the Lake Jane Estates community water system.”

Should 180 gpm and 288 af be removed from Ecology totals above?

B. Protests or Senior Rights: “No objections”

C. Fisheries Issues:

D. Service Area Map or Description: See “Section Map” and “Exhibit A, Map showing service area expansion Jan. 2, 1986.

E. Demand: Bonney Lake will expand from 8,500 services in 1987 to 12,000 services in year 2000. Based on 365 gpd per service the City’s total need by the year 2000 will be 4,905 af per year.

F. Conclusions: **water is available**, the permit should issue

G. Recommendations, Provisions or Conditions: well log, static water level, pump test data, access port, meter, DOH source approval.

H. Ownership of Land and Transfers or Acquisition of Water Rights: A 1973 Statutory Warranty Deed - conveyed land, pumps and pipes and water right from Lake Tapps Water Company to the Town of Bonney Lake

Application, Notice, and Permit to Appropriate Public Waters:

Application G2-26853 submitted February 5, 1986 states: “located within Tract B, Plat of Lake Tapps Lakeridge #4 (NE1/4,SE1/4 Section 21). The point of diversion for Certificate 6671 also lies in this area. The application also states: “Do you own the land.... Yes, easement for well and appurtenances purchased in 1973.”

The application also states: “See Parcel A of attached Deed for ownership of well site. Prior water right certificate at this site dates from 3/4/68 and is numbered 6671B.”

The attached Deed for acquisition of West Lake Tapps Water Company was signed January 1, 1973

The application requested 1613 af.

Population will be 30,000 in 2006.

Notice of Publication is in the file and notice was sent Feb 18, 1986.

Permit G2-26853 P issued May 19, 1987 states that the well is complete and in use!

Proof of Appropriation: Submitted by May 21, 1987 approved June 12, 1987.

Miscellaneous:

Note Groundwater Contamination Susceptibility Survey

Note well log. A 12” diameter well drilled to 307 feet, completed to 238 ft with screen at 199 to 231 feet.

Note Hart Crowser pump test report by Charles Ellingson (now of Pacific Ground Water Group) and Matt Dalton.

66 Tacoma Point 2/5/86

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

CERTIFICATE OF WATER RIGHT

- 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 February 5, 1986	APPLICATION NUMBER G 2-26854	PERMIT NUMBER G 2-26854 P	CERTIFICATE NUMBER G 2-26854 C
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NAME

City of Bonney Lake

ADDRESS (STREET)

P. O. Box 7380

(CITY)

Bonney Lake

(STATE)

Washington

(ZIP CODE)

98390

This is to certify that the herein named applicant has made proof to the satisfaction of the Department of Ecology of a right to the use of the public waters of the State of Washington as herein defined, and under and specifically subject to the provisions contained in the Permit issued by the Department of Ecology, and that said right to the use of said waters has been perfected in accordance with the laws of the State of Washington, and is hereby confirmed by the Department of Ecology and entered of record as shown, but is limited to an amount actually beneficially used.

PUBLIC WATER TO BE APPROPRIATED

SOURCE

Well (Tacoma Park well)

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND

MAXIMUM GALLONS PER MINUTE

MAXIMUM ACRE-FEET PER YEAR

1000

800

QUANTITY, TYPE OF USE, PERIOD OF USE

800 acre-feet per year

municipal supply

as needed

(primary)

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL

1440 feet North and 240 feet West of Southeast corner of Section 5.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)

S 1/2 E 1/2 NE 1/4 SE 1/4

SECTION

5

TOWNSHIP N.

20

RANGE, (E. OR W.) W.M.

5 E

W.R.I.A.

10

COUNTY

Pierce

RECORDED PLATTED PROPERTY

LOT

BLOCK

OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Area served by Bonney Lake.

The access port shall be maintained at all times on the well (s).

All water wells constructed within the state shall meet the minimum standards for construction and maintenance as provided under RCW 18.104 (Washington Water Well Construction Act of 1971) and Chapter 173-160 WAC (Minimum Standards for Construction and Maintenance of Water Wells.)

At such time that the Department of Ecology determines the regulation and management of the subject waters is necessary and in the public interest, an approved measuring device shall be installed and maintained in accordance with RCW 90.03.360 and WAC 508-64-020 through WAC 508-64-040.

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 RCW 90.03.380, 90.03.390, and 90.44.020.

This certificate of water right is specifically subject to relinquishment for nonuse of water as provided in RCW 90.14.180.

Given under my hand and the seal of this office at Olympia Washington, this 5 day of August 1988.

Christine O. Gregoire, Director
Department of Ecology

by *Clark Haberman*

Clark Haberman, Regional Manager

ENGINEERING DATA

OK *us*

Bonney Lake Name for Source: **Tacoma Point (or Tacoma Park) well No. 2**

Certificate of Water Right: Issued August 5, 1988

Certificate No: **G2-26854C** Permit No: **G2-26854P** Application No: **G2-26854**
Note that the Ball Park well with the same date of priority is G2-26853C

Priority Date: **February 5, 1986**

Local watershed: *not specified* WRIA: **10 Puyallup/White**

Type of Source: **groundwater – well**

Qi, maximum rate of withdrawal: **1000 gpm**

Qa, maximum volume of withdrawal: **800 acre feet primary**

Area of Use: **Area served by City of Bonney Lake**

Type of Use: **Municipal supply**

Provisions: access port and meter

Report of Examination (pink section): signed April 17, 1987, issued May 19, 1987.

Note that the Report of Exam for G2-26853C Ball Park well was conducted on the same day and it is nearly identical to this ROE.

A. Inventory of other Water Rights Appurtenant to this Land:

Certificate	9652	0.70 cfs	= 314 gpm	504 af	
Certificate	7164 S2-00840	0.55 cfs	= 247 gpm	403 af	
Certificate	11485	0.70 cfs	= 314 gpm	504 af	
Certificate	6459	0.50 cfs	= 224 gpm		
Certificate	9328	0.22 cfs	= 100 gpm	22.4 af	
Certificate	S2-20715	3.33 cfs	= 1494 gpm	55 af	+ 1945 supplemental
Certificate	3428A	0.40 cfs =	180 gpm	288 af	
Permit	G2-25924 P		<u>360 gpm</u>	<u>290 af</u>	
			= 3233 gpm	2,066 af	

“...four well are slated for abandonment...”

Certificate	2979A	0.07 cfs	= 30 gpm	48 af	
Certificate	6671A	0.51 cfs	= 270 gpm	185 af	
Certificate	2809A	0.22 cfs	= 100 gpm	45 af	
Certificate	G2 - 22219C		<u>30 gpm</u>	<u>0 af</u>	+ 24 af are supplemental Ecology ROE totals
			460 gpm	278 af	

should be 430 gpm Ecology error of 30 extra gpm in ROE?

“Certificate 5182 was turned over to the Lake Jane Estates community water system.”

B. Protests or Senior Rights: “No objections”

C. Fisheries Issues:

D. Service Area Map or Description: no map

E. Demand: Bonney Lake will expand from 8,500 services in 1987 to 12,000 services in year 2000. Based on 365 gpd per service the City's total need by the year 2000 will be 4,905 af per year.

F. Conclusions: **water is available**, the permit should issue

G. Recommendations, Provisions or Conditions: well log, static water level, pump test data, access port, meter, DOH source approval.

H. Ownership of Land and Transfers or Acquisition of Water Rights: A 1963 Statutory Warranty Deed - conveyed land, pumps and pipes and water right from Lake Tapps Water Company to the Town of Bonney Lake

Application, Notice, and Permit to Appropriate Public Waters:

Application G2-26854 February 5, 1986 states: Population will be 30,000 in 2006.

The application requested 1613 af.

"Prior water right certificate for this site is number 2809A/Change 69."

Notice of Publication absent

Permit G2-26854P issued May 19, 1987 states that the well will be completed in March 1988.

Proof of Appropriation: signed by May 3, 1988.

Miscellaneous:

Application states that the well is 12 inch diameter, 430 feet deep. Well was filled back to 307 ft.

Note well log places screens from 289 to 307 feet with total depth 432 ft.

Note Statutory Warranty Deed of 1963 is in the file.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Tacoma Point 60 1/30/1990

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 253, Laws of Washington for 1943, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRORITY DATE January 30, 1990	APPLICATION NUMBER G 2-27693	PERMIT NUMBER 2-27693 P	CERTIFICATE NUMBER
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NAME City of Bonney Lake			
ADDRESS (STREET)	CITY	STATE	ZIP CODE
Post Office Box 7380	Bonney Lake	Washington	98390

The applicant is, pursuant to the Report of Examination which has been accepted by the applicant, hereby granted a permit to appropriate the following described public waters of the State of Washington, subject to existing rights and to the limitations and provisions set out herein.

PUBLIC WATERS TO BE APPROPRIATED

SOURCE
A well (Tacoma Point Well No. 4)

TRIBUTARY OF ~~IF SURFACE WATERS~~

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE 1,200	MAXIMUM ACRE-FEET PER YEAR 1,600
QUANTITY, TYPE OF USE, PERIOD OF USE 1,600 acre-feet per year	Municipal Supply	Year-round, as needed

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL
1,440 feet north and 290 feet west of the southeast corner of Section 5.

LOCUSSES WITHIN SMALLEST LEGAL SUBDIVISION NE1/4SE1/4	SECTION 5	TOWNSHIP N. 20	RANGE, 12. OR W.1/2 W.1/2 SE	W. R. 1. A. 10	COUNTY Pierce
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RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
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LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Bonney Lake Water Service Area as identified by Pierce County Coordinated Water System Plan.

DESCRIPTION OF PROPOSED WORKS

12" x 315' well, equipped with a pump capable of discharging 1,200 gallons per minute (gpm).

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE: Started	COMPLETE PROJECT BY THIS DATE: January 1992 <i>4</i>	WATER PUT TO FULL USE BY THIS DATE: January 1992 <i>5</i>
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PROVISIONS

Installation and maintenance of an access port as described in Ground Water Bulletin No. 1 is required. An air line and gauge may be installed in addition to the access port.

BF
~~An approved metering device shall be installed and maintained in accordance with RCW 90.03.360, WAC 508-64-020 through -040 (installation, operation, and maintenance requirements are attached).~~

~~A certificate of water right will not be issued until a final investigation is made.~~ *JH*

~~All water wells constructed within the state shall meet the minimum standards for construction and maintenance as provided under RCW 18.104, Washington Water Well Construction Act of 1972, and Chapter 173-160 WAC, Minimum Standards for Construction and Maintenance of Wells.~~

~~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.~~

*VW - cert
WR - cert*

This permit shall be subject to cancellation should the permittee fail to comply with the above development schedule and/or fail 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 28th day of October, 19 91.

Christine O. Gregoire, Director
Department of Ecology

ENGINEERING DATA

OK *fb*

by *Jane Blomstrom*

PERMIT

Bonney Lake Name for Source: **Tacoma Point well No. 4**

Certificate of Water Right:

Certificate No: _____ Permit No: **G2-27693 P** Application No: **G2-27693**
 “The final certificate will be issued only when the right has been completely “perfected”, and you can demonstrate by meter readings and use data that the quantity of water allocated by the permit has been put to full beneficial use.” Letter of January 6, 1995 from Jill Van Hulle of Ecology.

Report of Examination: signed August 1, 1991
 Priority Date: **January 30, 1990**

Local watershed: not specified **WRIA: 10 Puyallup/White**

Type of Source: **groundwater – well**

Qi,, maximum rate of withdrawal: **1200 gpm**

Qa, maximum volume of withdrawal: **1600 acre feet, year round as needed**

Area of Use: **Bonney Lake Water Service Area as identified by Pierce County Coordinated Water System Plan**

Type of Use: **Municipal supply plus other**

Provisions: access port and meter or

A. Inventory of other Water Rights Appurtenant to this Land:

Certificate	6459	0.50 cfs	=	224 gpm		
Certificate	S2-00840	0.55 cfs	=	247 gpm	403 af	
Certificate	9328	0.22 cfs	=	100 gpm	22.4 af	
Certificate	11485	0.70 cfs	=	314 gpm	504 af	
Certificate	9652	0.70 cfs	=	314 gpm	504 af	
Certificate	S2-20715	3.53 cfs	=	1584 gpm	55 af	+ 1945 af supplemental
Certificate	3428A			180 gpm	288 af	but not for municipal supply
Certificate	6671A			270 gpm	185 af	
Certificate	G2-26853 C			1000 gpm	800 af	
Certificate	G2-26854 C			1000 gpm	800 af	
		<u>6.20 cfs</u>		<u>5234 gpm</u>	<u>3,561.4 af</u>	Total Bonney Lake rights
Certificate	3428A			<u>- 180 gpm</u>	<u>- 288 af</u>	not for municipal supply
				5054 gpm	3,273.4 af	municipal totals
Permit	G2-27693			<u>+ 1200 gpm</u>	<u>+ 1,600 af</u>	This Application
				6254 gpm	+ 4,873.4 af	Municipal Totals

“Certificates covering the abandoned wells will be relinquished...”

Certificate	2979A	“No longer in use”		30 gpm	48 af	
Certificate	2809A	“No longer in use”		100 gpm	45 af	
Certificate	G2-22219C	“No longer in use”		30 gpm	0 af	+ 24 af are supplemental
				<u>160 gpm</u>	<u>93 af</u>	Ecology relinquish totals

B. Protests or Senior Rights: “No objections to this appropriation were received.”
“Well No.2 covered under Water Right application No. G2-26854, has been constructed approximately fifty feet from Well No. 4.”

The ROE reports a 12 inch and 315 ft deep well with 23 feet of screen at same depth and in same unit as well 2 and 7 other wells within a one mile radius. Well 2 is about 50 ft from this site.

The ROE states: “ A well known as the “Old Tacoma Point Well”, drilled in 1955, was originally located on the site of Wells No. 2 and 4, and was covered under Water Right No. 2809A, with a priority date of January 23, 1957. This well was abandoned on January 4, 1988, by Armstrong Well Drilling. Water Right No. 2809a has not been relinquished at this time....”

The ROE states: “A total of seven well logs, representing wells constructed within a one mile radius of the subject well.... appear to be completed in the same water bearing formation, a formation that occurs at a depth of approximately 300 feet above sea level. The well logs reveal an aquifer that is very inhomogeneous, and testing performed on Well No. 4 bears this out, showing an aquifer with multiple boundaries, yet quite transmissive.”

The ROE states: “Because of the paucity of data obtained during the pump tests, the close proximity of Well No. 2, and because an aquifer test was not performed during the testing regimen, any permit that is issued will require the City to monitor water levels weekly in both Wells No.2 and 4. The City shall submit this data to the department of Ecology prior to the issuance of any certificate.”

C. Fisheries Issues:

D. Service Area Map or Description:

E. Demand: In 1991 there are 4,500 customers with estimate of a population of 37,478 in year 2010. Per capita consumption is about 120 gpd. Based on 120 gpd per person and a population of 37,478, Bonney Lake will require a total of 5,040 af year to meet demand.

F. Conclusions:

G. Recommendations, Provisions or Conditions: well log, static water level, pump test data, access port, meter, DOH source approval.

H. Ownership of Land and Transfers or Acquisition of Water Rights:

Application, Notice, and Permit to Appropriate Public Waters:

Application G2-27693 A submitted January 30, 1990 requests 1000 af. City increased this to 1200 af and then in the ROE increased it was increased further to 1600 af.

Well is described as 12” x 300’

Proposed pump will have a capacity of 1000 gpm.

Notice of Publication (month, day, year) states:

Permit issued October 28, 1991 states: “315’ well equipped with a pump capable of discharging 1,200 gpm”

Letter of January 6, 1995 from Jill Van Hulle of Ecology. “**This permit is in good standing until January 1, 2010.**”

Proof of Appropriation: (future)



Water Right Self-Assessment Form for Water System Plans

331-372 • 1/13/2017

All water right permits, claims, and certificates must be evaluated in a water right self-assessment for all sources used to supply the water system. The self-assessment compares the parameters and other limitations of existing water rights against current and forecasted water production, as described in your water system plan, to determine whether the rights are adequate to serve your system's current and future water needs.

You must account for all sources of supply and total quantities of water withdrawn from the source. If you purchase water from another purveyor through a non-emergency intertie, you must complete the INTERTIES section of the self-assessment.

A Note on Exempt Wells

If you're seeking DOH approval of a new Group A or Group B water system using an exempt well, you must complete the self-assessment, although certain fields will not apply. Talk to your DOH regional planner about using the Water Right Self-Assessment form for a Small Water System Management Program instead of this version.

Local governments must ensure that an adequate potable water supply is available from the exempt well before issuing a building permit. Before developing a permit exempt well, check with your local authorities on their criteria for establishing an adequate potable water supply for your planned public water system.

Water Right Parameters

Below is a brief description of the parameters associated with a typical water right. For the self-assessment, you only need to describe the last two bulleted items if they apply to your water rights.

Source Type – this refers to whether the source is surface water, groundwater or a spring.

Source Location – this refers to the location of points of groundwater withdrawal or surface water diversion for each right.

Purpose of Use – this refers to the type of use, such as municipal water supply, community domestic, industrial or agricultural purposes.

Place of Use – this describes where water can be put to beneficial use under the right. Under the 2003 Municipal Water Law, RCW 90.03.386, the place of use for a water right held for municipal water supply purposes may be the system's service area as identified in an approved water system plan or small water system management program.

See [Ecology Policy 2030](#) for information on how Ecology administers the Municipal Water Law.



If you need this publication in an alternative format, call 800.525.0127 (TDD/TTY call 711). This and other publications are available at www.doh.wa.gov/drinkingwater.

Period of Use – this refers to time-of-year limitations in which the water right may be put to use. If any water right has a time-of-year limitation, please include this information in the INTERRUPTIBLE WATER RIGHTS section.

Provisions or Limiting Conditions – this refers to any provisions or conditions placed on the water right. If a water right has a limiting condition or other provision, such as a collection and reporting requirement, other than a time-of year limitation, include this information in the ADDITIONAL COMMENTS section at the bottom of the self-assessment and in the water system plan narrative.

See [Ecology Policy 1040](#) for more information on water right terminology. If you have questions about your water rights, please contact the Ecology regional office in your area.

Completing the Water Right Self-Assessment Form

The self-assessment is a Word document to allow users to make changes or to expand the document. You may use another format, if preferred, as long as all required information is included. Below is a description of all fields and how to complete them. This form is divided into four different sections. Each section is described in the headings below.

See the column identifiers (A, B, C, etc) at the bottom of each column for guidance in completing the necessary calculations.

Water Right Permit, Certificate, or Claim Number: This number is assigned by Ecology when a permit application is filed. It's listed at the top of the permit or certificate. For water right claims, this is the registration number stamped in the lower left hand corner of the claim form.

WFI Source #: Identify the individual sources (e.g. well #1, well #2) as defined on the DOH Water Facilities Inventory form. If a water right is associated with multiple sources, list all sources in the same row in this column. If a source is associated with multiple water rights, identify each water right on a separate row.

If you have any source(s) that is not currently being used (categorized as standby, back-up, or emergency), and the source has an associated water right that is not listed in column #1, please include the source and water right information in the ADDITIONAL COMMENTS section. This will identify that the source is still intended for a beneficial use under RCW 90.03.015(4). See [Ecology Policy 1040](#).

EXISTING WATER RIGHTS SECTION *(olive green color, top section)*

This section refers to existing water rights. It does not include any water right applications that have been submitted to Ecology.

Primary Qi (Instantaneous Quantity): This is also known as instantaneous flow rate. It's the amount of water allowed to be taken under the right from the source during a period of peak operation. For surface water, this is generally expressed in terms of cubic feet per

second (cfs). For groundwater, this is generally expressed in terms of gallons per minute (gpm). One cfs equals 448.8 gpm. Please indicate the units of measurement you are using for each source. If there are situations where the flow rate will be limited (e.g. limitations established on the source when other sources are utilized), please note them in the ADDITIONAL COMMENTS section in the form and in the WSP narrative.

Non-Additive Qi: This term was formally known as “supplemental.” Your water rights may use the old terminology. See [Ecology Policy 1040](#) for more information. Not all water rights have non-additive quantities. If a water right has non-additive Qi quantities, include the non-additive quantity in this field. This is generally listed in the “quantity, type of use, period of use” section on both permits and certificates. *Non-additive quantities should not be included in the primary Qi totals.*

Primary Qa (Annual Quantity): This is the amount of water that can be taken from the source under the right on an annual basis. It’s usually expressed in terms of acre-feet. An acre-foot is the amount of water necessary to submerge an acre of land to a depth of one foot. One acre-foot equals 43,560 cubic feet or 325,851 gallons of water.

Non-Additive Qa: This term was formerly known as “supplemental.” Your water rights may use the old terminology. See [Ecology Policy 1040](#) for more information. Not all water rights have non-additive quantities. If a water right has non-additive Qa quantities, include the non-additive quantity in this field. This is generally listed in the “quantity, type of use, period of use” section on both permits and certificates. *Non-additive quantities should not be included in the primary Qa totals.*

CURRENT SOURCE PRODUCTION SECTION *(light green color, top section)*

This section refers to how much water is withdrawn from the source under each water right for the most recent full calendar year. You will need to determine any excess or deficiency for each water right after calculating how much water was withdrawn compared to how much water is allowed under each water right. If demand has decreased over past years, you may wish to include historic maximum production information in the ADDITIONAL COMMENTS section. This will provide a more complete picture of the use of your water rights.

Use the water use data and demand projections from your water system plan to define current and projected water needs. You can determine if you’ll need additional water rights based on the comparison of existing water rights, current water production, and projected 10- and 20-year needs.

Total Qi (Instantaneous Quantity): This refers to the total maximum instantaneous flow rate withdrawn from the source under each water right during the most recent calendar year. For surface water, this is expressed in terms of cubic feet per second (cfs). For groundwater, this is expressed in terms of gallons per minute (gpm). One cfs equals 448.8 gpm.

Current Excess or Deficiency (Qi): Please calculate the excess or deficiency for each water right after comparing the total amount withdrawn against each water right. Please use parentheses for deficient amounts.

Total Qa (Annual Quantity): This refers to the total volume of water withdrawn from each source under each water right during the most recent calendar year. It's usually expressed in acre-feet.

Current Excess or Deficiency (Qa): Please calculate the excess or deficiency for each water right after comparing the total amount withdrawn against each water right. Please use parentheses for deficient amounts.

10-YEAR FORECASTED SOURCE PRODUCTION SECTION *(light blue color, top section)*

This section refers to how much water you project to withdraw from each source in ten years as determined in your water system plan. Please complete this section in the same manner (using the same units of measurement) as the current source production section using your 10-year forecasted amounts.

20-YEAR FORECASTED SOURCE PRODUCTION SECTION *(darker blue color, top section)*

This section refers to how much water you project to withdraw from each source in twenty years as determined in your water system plan. Please complete this section in the same manner (using the same units of measurement) as the current source production section using your 20-year forecasted amounts. If you are unable to provide 20-year forecasts for each source, you may choose to include the combined 20-year total at the bottom.

PENDING WATER RIGHTS SECTION *(second section of form)*

Please complete this section for any water right applications that have been submitted to Ecology. Please include the application number, whether it's a new or a change application, the date submitted, and the total quantities requested.

INTERTIES SECTION *(third section of form)*

This section must be completed by purveyors who purchase any amount of wholesale water. If your system sells water to another public water system, include the quantity sold in the CURRENT SOURCE PRODUCTION section.

Purchasers of wholesale water must account for all water obtained through the intertie for non-emergency supply purposes. This is to ensure that all sources of supply are considered when evaluating whether new water rights are needed within 20 years.

Please identify the maximum quantity of water, expressed in the same manner as the above sections, allowed under each intertie contract. If there are limiting conditions or temporary

agreements that effect the long-term use of the intertie, you must account for such limiting conditions when evaluating the current and forecasted water supply needs in your water system plan.

Finally, purchasers of wholesale water are responsible for ensuring that the underlying water right (held by the purveyor selling water) are adequate for such use. You should confirm that the selling system has accounted for the wholesale area in their water system plan to ensure that the water right authorizes the distribution of water through the intertie.

INTERRUPTIBLE WATER RIGHTS SECTION *(bottom section of form)*

This section refers to water rights that have an annual time-of-year interruption. Please complete this section for any water right listed in the above fields that has a time-of-year interruption. Please include the water right number, describe the limitation, and the time period of interruption. Purveyors with interruptible rights should develop a water shortage response plan as part of their water system plan to describe how demand will be met during periods of interruption through aggressive demand-side conservation, fixing leaks or other means.

ADDITIONAL COMMENTS SECTION *(bottom section of form)*

If the system has any source that is not currently being used on a regular basis (such a source may be categorized as stand-by, back-up, emergency), you should identify the source in this section if the source has an associated water right that is not listed in the above sections. The purpose is to identify that such water rights are still intended for a future beneficial use as required under RCW 90.03.015(4). See Page 2, Item 9 (b) in [ECY Policy 2030](#). For these water rights, please briefly describe the future intended use of the source and when you expect to utilize the water right. This does not refer to sources categorized as seasonal sources.

You should also include any other comments in this section that will explain aspects of your water right portfolio that are not identified above.

