State of Washington
REPORT OF EXAMINATION FOR WATER RIGHT CHANGE

Changed Place of Use
Added or Changed Point of Withdrawal/Diversion

PRIORITY DATE
May 20, 1953

WATER RIGHT NUMBER
1713-A

MAILING ADDRESS
WARDEN CITY
121 S MAIN STREET
WARDEN WA 98857

SITE ADDRESS (IF DIFFERENT)

Total Quantity Authorized for Withdrawal

WITHDRAWAL RATE	UNITS	ANNUAL QUANTITY (AF/YR)
420	GPM	224

Purpose

PURPOSE	WITHDRAWAL RATE ADDITIVE	WITHDRAWAL RATE NON-ADDITIVE	UNITS	ANNUAL QUANTITY (AF/YR) ADDITIVE	ANNUAL QUANTITY (AF/YR) NON-ADDITIVE	PERIOD OF USE (mm/dd)
Municipal Water Supply Purposes	420		GPM	144	80	01/01 - 12/31

Total withdrawal under 89-A and 1713-A shall not exceed 224 acre-feet per year.

PUBLIC WATER SYSTEM INFORMATION	
WATER SYSTEM ID	CONNECTIONS
92850	**unspecified**

Source Location

COUNTY	WATERBODY	TRIBUTARY TO	WATER RESOURCE INVENTORY AREA
GRANT	GROUNDWATER		41-LOWER CRAB

SOURCE FACILITY/DEVICE	PARCEL	WELL TAG	TWP	RNG	SEC	QQ Q	LATITUDE	LONGITUDE
Well 5 (SO2)	181061000	AFA141	17 N.	30 E.	15	NW¼NW¼	46.96957	119.06419
Well 6 (SO3)	060238000	AFA140	17 N.	30 E.	10	SE¼SW¼	46.96985	119.03687
Well 7 (SO4)	061658000		17 N.	30 E.	15	E½NE¼	46.96588	119.02693
Well 8(irrigation well)	060659050		17 N.	30 E.	17	NE¼SE¼	46.96123	119.06775
Well 9 (proposed)		TBD	17 N.	30 E.	16	SW¼NW¼	TBD	TBD
Well 10(proposed)		TBD	17 N.	30 E.	16	NW¼SW¼	TBD	TBD

Datum: NAD83/WGS84

Place of Use (See Attached Map)

PARCELS (NOT LISTED FOR SERVICE AREAS)

LEGAL DESCRIPTION OF AUTHORIZED PLACE OF USE

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

Proposed Works

6 wells and the municipal water delivery system

Development Schedule

BEGIN PROJECT	COMPLETE PROJECT	PUT WATER TO FULL USE
June 1, 2015	May 1, 2020	May 1, 2022

Measurement of Water Use

How often must water use be measured?	Weekly
How often must water use data be reported to Ecology?	Upon Request by Ecology
What volume should be reported?	Total Annual Volume
What rate should be reported?	Annual Peak Rate of Withdrawal (gpm)

Provisions

This change authorization supersedes the change authorization dated May 8, 2002.

A total of 7570 gallons per minute and 3956 acre-feet are authorized for the City of Warden under all of the described rights. Quantities authorized under the authorization of change of Certificates No. 7504-A(A) and G3-22179C are subject to specific wells, provisions and development schedules. This determination does not modify those requirements, and the described totals may be reduced at a later date. If the quantities are perfected under CGWC 7504-A(A) and CG3-22179C, the City of Warden will hold water rights totaling 7570 gallons per minute and 3956 acre-feet per year for municipal supply.

The three (3) authorized points of withdrawal under CGWC 7504-A(A) and CG3-22179C are as follows:

- Well #6 (SO3) located in the SE¼SW¼ of Sec. 10, T. 17 N, R. 30 E.W.M.
- Well #7 (SO4) located in the E½NE¼ of Sec. 15, T. 17 N, R. 30 E.W.M.
- Well (Not yet constructed) to be located in the NE¼NW¼ of Sec. 15, T. 17 N, R. 30 E.W.M. (This proposed well is not the same as requested under the City's proposed new applications for change.)

Proposed source wells for the ground water rights Certificate 89-D, 1713-A, 4121-A, 6505-A, G3-25983.

For all City of Warden wells, the altitude of the Grande Ronde Basalt Member based on USGS Water Resource Investigations Report 87-4238, Sheet Three and other information available to the Department in the Warden vicinity is approximately 680' above sea level (ASL). With a land surface elevation of approximately 1280' ASL, the top of the Grande Ronde is located 600' below land surface. As the change in head between the Wanapum aquifer and the Grande Ronde aquifer typically does not occur at the formation contact, wells producing from the Grande Ronde aquifer require approximately 800' of sealed casing to avoid interaquifer water transfer. Sealing would be placed from this depth to land surface until undiluted seal material returns to the surface through the annular space. After casing is sealed in place, the well(s) may be completed by drilling out the casing until sufficient water is obtained. This design assures separation of hydrologic head of the shallower Wanapum aquifer from the deeper, Grande Ronde aquifer.

City Well No. 4 was decommissioned in 2011.

Well No. 5 (NW¼NW¼ of Sec. 16) is currently constructed in the Wanapum Formation and withdrawing water from the Wanapum aquifer. If at any time in the future, the well is reworked or reconstructed and the total depth will be greater than 600' below land surface, then casing will need to be installed to a depth of 800' below land surface as above.

Well No. 6 (SE¼SW¼ of Sec. 10) This well was pressure-grouted to a depth of 439'. While the static water level in this well is appreciably lower than the head in the City's shallower, Wanapum wells (by approximately 130'), this well is most likely a composite head well as the wellbore is open to both the Wanapum formation and the Grande Ronde formation. The City will be allowed to use this well as a point of withdrawal for this authorization. However, the provision of the 2001 change authorization to Certificates 7504-A(A) and CG3-22179 required all three authorized sources (Wells 6, 7, 8) to be in the Grande Ronde aquifer. (Note that well 8 under the 2001 authorization is not the same location as the new proposed well 8). If this well (No. 6) is proposed to be exercised under these two rights, the City will need to demonstrate to Ecology that there is no interchange of aquifers in well 6 before it can be utilized as a point of withdrawal for the 2001 change authorization to Certificates 7504-A(A) and CG3-22179.

Well No. 8 (NE¼SE¼ of Sec. 17 irrigation well) is currently constructed in the Wanapum Formation and is withdrawing water from the Wanapum aquifer. If at any time in the future, the well is reworked or reconstructed and the total depth will be greater than 600' below land surface, then casing will need to be installed to a depth of 800' below land surface, and sealed, as above.

The new wells under this authorization, 9 (SW¼NW¼ of Sec. 16) and 10 (NW¼SW¼ of Sec. 16) to be located in Section 16 shall be constructed into the Columbia River Basalts. They shall be constructed to produce water from either the Wanapum Aquifer, or the Grande Ronde Aquifer, as above. Interaquifer transfer of water in these wells is prohibited.

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 as the City of Warden needs to file a "Notice of Intent" on Well #6, it must be demonstrated to Ecology that Well #6 is withdrawing only Grande Ronde aquifer water and that there is no interchange of aquifers occurring within the wellbore.

Wells, Well Logs and Well Construction Standards
All wells constructed in the state must meet the construction requirements of WAC 173-160 titled "Minimum Standards for the Construction and Maintenance of Wells" and RCW 18.104 titled "Water Well Construction". Any well which is unusable, abandoned, or whose use has been permanently discontinued, or which is in such disrepair that its continued use is impractical or is an environmental, safety or public health hazard must be decommissioned.

All wells must be tagged with a Department of Ecology unique well identification number. If you have an existing well and it does not have a tag, please contact the well-drilling coordinator at the regional Department of Ecology office issuing this decision. This tag must remain attached to the well. If you are required to submit water measuring reports, reference this tag number.

Installation and maintenance of an access port as described in WAC 173-160- 291(3) is required.

Measurements, Monitoring, Metering and Reporting
An approved measuring device must be installed and maintained for each of the sources identified by this water right in accordance with the rule "Requirements for Measuring and Reporting Water Use", WAC 173-173, which describes the requirements for data accuracy, device installation and operation, and information reporting. It also allows a water user to petition the Department of Ecology for modifications to some of the requirements.

Proof of Appropriation
The water right holder must file the notice of Proof of Appropriation of water (under which the certificate of water right is issued) when the permanent distribution system has been constructed and the quantity of water required by the project has been put to full beneficial use. The certificate will reflect the extent of the project perfected within the limitations of the water right. Elements of a proof inspection may include, as appropriate, contracting with a Certified Water Rights Examiner (CWRE), and confirming the source(s), system instantaneous capacity, beneficial use(s), annual quantity, place of use, and satisfaction of provisions.

Schedule and Inspections
Department of Ecology personnel, upon presentation of proper credentials, will have access at reasonable times, to the project location, and to inspect at reasonable times, records of water use, wells, diversions, measuring devices and associated distribution systems for compliance with water law.

Findings of Facts
Upon reviewing the investigator's report, I find all facts, relevant and material to the subject application, have been thoroughly investigated. Furthermore, I concur with the investigator that a valid water right exists; that there will be no impairment of existing rights; that the purpose(s) of use are beneficial; and that there will be no detriment to the public interest.

Therefore, I ORDER approval of Application No. CG3-*03257C@1, subject to existing rights and the provisions specified above.

Your Right To Appeal

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

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

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

- Serve a copy of your appeal and this Order on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.

- You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

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

Signed at Spokane, Washington, this 21st day of May, 2014.

Keith L. Stoffel, Section Manager

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

Background:

Applications for change were submitted by the City of Warden to the Department of Ecology on November 4, 2013. The City of Warden proposes to change the point of withdrawal and add points of withdrawal, and modify the place of use to be consistent with the most recent Comprehensive Water System Plan. The City proposes to use four existing wells, along with two new proposed wells. The City proposes the place of use be for municipal water supply within the "Area served by the City of Warden as described in the most recent approved comprehensive water system plan."

Applications received from the City of Warden are as follows:

- Five (5) Applications for Change/Transfer under Ground Water Certificates 89-A, 1713-A, 4121-A, 6505-A and G3-25983C. The applications request integration of wells, additional wells and change in place of use.

These applications will all have decisions rendered based on their own respective findings.

A notice of application was duly published on February 25 and March 4, 2014 in the Columbia Basin Herald in accordance with RCW 90.03.280 and no protests or objections were received.

State Environmental Policy Act (SEPA)

A water right application is subject to a SEPA threshold determination (i.e., an evaluation whether there are likely to be significant adverse environmental impacts) if any one of the following conditions are met.

- It is a surface water right application for more than 1 cubic foot per second, unless that project is for agricultural irrigation, in which case the threshold is increased to 50 cubic feet per second, so long as that irrigation project will not receive public subsidies;
- It is a groundwater right application for more than 2,250 gallons per minute;

Because the quantity of water proposed for multiple change applications meet the conditions, it is not categorically exempt from SEPA and a threshold determination is required. The City of Warden issued a SEPA determination of non-significance (DNS) on December 13, 2013 for these applications. Ecology determined no additional SEPA analysis was required.

Investigation:

In considering the proposed application for change/transfer, the investigation included, but was not limited to, research and review of (1) appropriate rules and statutes; (2) Change authorizations for Ground Water Certificates 89-D, 1713-A, 4121-A, 6505-A, G3-25983C, 7504-

A(A) and G3-22179C and other water rights/claims/applications in the vicinity; (3) water well reports for the applicant's well, and other wells in the vicinity; (4) USGS topographic maps; (5) discussions with Department of Ecology regional program staff; including review by Ecology hydrogeologists.

City of Warden Water Rights:

CITY OF WARDEN EXISTING WATER RIGHTS

NUMBER	PRIORITY	SOURCE	GPM	Primary Qa	Suppl. Qa	PURPOSE
89-A (492)	6/28/1910	5 wells	50	80	---	Municipal
1713-A	5/20/53	5 wells	420	144	80(a)	Municipal
4121-A	9/24/57	5 wells	1000	1344	---	Municipal
6505-A	8/6/65	5 wells	1500	---	665(b)	Municipal
G3-25983C	6/22/78	5 wells	1080	---	224(c)	Municipal
CH 7504-A(A)	4/19/67	Wells 6, 7, 8	1520	366.5	---	Municipal (d)
CG3-22179C	12/4/73	Wells 6, 7, 8	2000	2021.5	----	Municipal (d)
TOTAL			7570	3956		Municipal

(a) Total withdrawal under 89-A and 1713-A shall not exceed 224 acre-feet per year.
(b) Issued less any amount used under existing water rights.
(c) The annual quantity of water allocated under this certificate is entirely supplemental to Ground Water Certificate 1713-A.
(d) The quantities were authorized under a Change decision in 2001. There are specific development limitations. See change reports under CGWC 7504-A(A) and CG3-22179C.

In addition to the above listed certificates, in 1974 the City of Warden filed five (5) water right claims with the Department of Ecology for municipal water supply. The following claims were all filed by the City of Warden on June 13, 1974: #112794, #112795, #112796, #112797 and #112798. These claims appear to have been filed to protect those rights, which the City had already obtained under the above issued state ground water certificates. The claims actually do make reference to some of the above referenced certificates. A sixth claim (#112793) was filed for the maintenance and operation of the cemetery with a date of first use of 1966. Water right claims are statements that a vested right may exist. To be considered a valid vested right, the water use must have begun prior to 1917 for surface water and prior to 1945 for ground water. It appears that the claims do not represent a valid vested water right based on the date of first use but rather memorialize the existing state issued rights. These claims have not been recognized as being "in addition to" the above referenced certificates held by the city. Until such time as an adjudication of these claims is completed, they will remain on file with the Department of Ecology. However, after reviewing the record, it is clear that these claims and the associated quantities should not be included in the city's water right total.

Evaluation of the Water Rights and Beneficial Use Analysis:

The Washington State Supreme Court, in Okanogan Wilderness v. Town of Twisp and Department of Ecology, 133 Wn.2d 769, 947 P.2d 732 (1997), found that applications for change may be granted only to the extent the water has been historically put to beneficial use,

as beneficial use determines the measure of a water right. They also found that the existence and quantification of a water right must be determined, including whether or not the water right has been lost for non-use before the Department can approve a change or transfer of the water right.

Prior to the authorizations for change issued in 2002 for Certificates 89-D, 1713-A, 4121-A, 6505-A, G3-25983C, the City of Warden was exceeding its existing water rights, which totaled 4050 gallons per minute and 1568 acre-feet per year for municipal supply. This was determined after review of the City's 1997 comprehensive water system plan. At the time, the City was exercising their rights to their full extent. Two change authorizations were issued by the Department in April of 2001 on Certificate No. 7504-A(A) and Certificate No. G3-22179C. The 2001 change decisions authorized additional water use from Wells 6, 7 and 8.

The City holds rights that are identified for municipal water supply purposes under RCW 90.03.015. These rights have been determined to be valid by previous change authorizations and are in good standing.

Hydrogeologic Analysis:

Applications for change/transfer of water right permits and certificates of ground water are governed by RCW 90.44.100, which states in part that: the holder of a valid right to withdraw public ground waters may, without losing his priority of right, construct wells at a new location in substitution for, or in addition to, those at the original location, or he may change the manner or the place of use of the water. Such amendment shall be issued by the Department only on the conditions that: (1) the additional or substitute well or wells shall tap the same body of public ground water as the original well or wells; (2) use of the original well or wells shall be discontinued upon construction of the substitute well or wells; (3) the construction of an additional well or wells shall not enlarge the right conveyed by the original permit or certificate; and (4) other existing rights shall not be impaired. The Department may specify an approved manner of construction and shall require a showing of compliance with the terms of the amendment.

The proposed project lies within the boundaries of the Odessa Sub-area as defined in Chapter 173-128A WAC. The Odessa Sub-area encompasses approximately 2,000 square miles in parts of Grant, Lincoln, and Adams Counties. The relatively flat-lying land surface slopes in a southwesterly direction and is locally dissected by coulees. The proposed change in well location and proposed new wells all are subject to the conditions of WAC 173-130A, the management regulation for the Odessa Sub-area.

Basalt aquifers of the Odessa Sub-area are part of a large ground water reservoir occurring in a thick series of basalt flows known as the Columbia River Basalt Group. The thickness of this series of flows varies from a few hundred feet at the Spokane River to over 10,000 feet in the Pasco Basin. The wells associated with this change application are all producing water from the

same aquifer system and as such, they are all producing water from the same body of public groundwater.

The City's water rights under Certificates 89-D, 1713-A, 4121-A, 6505-A, G3-25983C authorize the use of 4050 gpm, 1568 acre-feet per year from wells completed into both the Wanapum aquifer and the Grande Ronde aquifer of the Columbia River Basalt group. Certificates 7504-A(A) and G3-22179C authorize 3520 gallons per minute, 2388 acre-feet from the Grande Ronde aquifer of the Columbia River Basalt Group.

The proposed new Wells 9 and 10 will require the wells be completed into the Columbia River Basalt group to remain within the same body of public ground water. These wells shall be constructed in accordance with WAC 173-160 and constructed in a manner to avoid interchange of aquifers, and produce from the proper portion of the system as required by the individual water rights.

For all City of Warden wells, the altitude of the Grande Ronde Basalt Member based on the USGS Water Resource Investigations Report 87-4238, Sheet Three and other information available to the Department in the Warden vicinity of the well is approximately 680' above sea level (ASL). With a land surface elevation of approximately 1280' ASL, the top of the Grande Ronde is located 600' below land surface. As the change in head between the Wanapum aquifer and the Grande Ronde aquifer typically does not occur at the formation contact, wells producing from the Grande Ronde aquifer require approximately 800' of sealed casing to avoid interaquifer water transfer. Sealing of casing places sealing material from this depth to land surface until undiluted seal material returns to the surface through the annular space. After casing is sealed in place, the well may be completed by drilling out the casing until sufficient water is obtained. This design assures separation of hydrologic head of the shallower Wanapum aquifer from the deeper, Grande Ronde aquifer.

WAC 173-130A-110 does not allow construction of wells within ¼ mile of the East Low Canal to avoid impacts to the delivery system of the Columbia Basin Project. Well No. 8, the existing irrigation well, lies within the ¼ mile boundary.

WAC 173-130A-120 requires all applications for permit to be evaluated on a case by case basis to address the potential effects of the proposed appropriation on existing rights including protection of the ground water mound and operation of the canal and recharge. The existing wells and the new proposed wells are located within the protection area described in WAC 173-130A-120.

The amount of water authorized for the City of Warden will not be increased or expanded by this authorization. The same amount of water will be authorized from the area from new source wells and remain within the same body of public ground water. The change in well location should not impair the existing rights or the change the affect on the mound within the protection area.

Impairment Analysis:

"Impair" or "impairment" means to 1) adversely impact the physical availability of water for a beneficial use that is entitled to protection, and/or 2) to prevent the beneficial use of the water to which one is entitled, and/or 3) to adversely affect the flow of a surface water course at a time when the flows are at or below instream flow levels established by rule (POL-1200); and/or 4) degrade the quality of the source to the point that water is unsuitable for use by existing water right holders (WAC 173-150). Demonstration of impairment would require evidence of a substantial and lasting or frequent impact reflecting such conditions.

The proposed change in well location and proposed new wells all lie within the Odessa Subarea and are subject to the conditions of WAC 173-130A.

WAC 173-130A-110 does not allow construction of wells within ¼ mile of the East Low Canal to avoid impacts to the delivery system of the Columbia Basin Project. Well No. 8, the existing irrigation well, lies within the ¼ mile boundary.

WAC 173-130A-120 requires all applications for permit to be evaluated on a case by case basis to address the potential effects of the proposed appropriation on existing rights including protection of the ground water mound and operation of the canal and recharge. The existing wells and the new proposed wells are located within the protection area described in WAC 173-130A-120.

The amount of water authorized for the City of Warden will not be increased or expanded by this authorization. The same amount of water will be authorized from the area from new source wells and remain within the same body of public ground water. The change in well location should not impair the existing rights or change the affect on the mound.

The USBR Ephrata Field Office Manager, Stephanie Utter, submitted a letter on July 12, 2013 in support of the City's water right application and had no concern over the proposed wells.

Other Water Rights in the Surrounding Area:

A review of Ecology records was conducted for existing water rights, permits, applications and claims in surrounding sections of the proposed points of withdrawal. The proposed points of withdrawal are located in the west half of Section 16 and east half of Section 17, T. 17 N., R. 30 E.W.M. The search included Sections 9, 10, 11, 14, 15, 16, 21, 22 and 23, all south of the East Low Canal. Not including the City of Warden water rights and claims, there are two (2) ground water certificates and nine (9) ground water claims within these sections:

Ground Water Certificates

GWC 110-A (Jeske)
GWC 241-D (Chicago, Milwaukee, St. Paul and Pacific Railroad Company)

Ground Water Claims

020088 (Jeske)
052521 (Wilkie)
054285 (Jeske)
065228 (Ennenga)
084882 (Milton & Bisckoff)
100768 (Jeske)
116591 (Chicago, Milwaukee, St. Paul and Pacific Railroad Company)
156875 (Berreth)
160620 (Millward)

The majority of these claims are for domestic use with some irrigation. It appears that the wells were constructed under RCW 90.44.050 (groundwater exemption). A review of the well logs indicates construction primarily into the Wanapum aquifer. This authorization is currently authorized to withdraw water from the Columbia River Basalt Group. The new city Well Nos. 9 and 10 are to be properly constructed into the Columbia River Basalt Group.

Findings:

There is a water right appurtenant to Ground Water Certificate 1713-A. Ground water has been historically and beneficially used under the Certificate for the City of Warden. The quantities listed on the Certificate have at one time been exercised and are available for change.

When considering an application for change to a water right, Ecology must determine that the proposed change/transfer can be made without detriment or injury to existing water rights or applications for water rights. Factors considered when determining potential impact include the following:

No Impairment to Existing Rights:
No additional water will be withdrawn under this proposed change. It is not anticipated that the proposed new withdrawal would cause impairment to any existing ground water rights.

No Detriment to the Public Welfare:
There are no findings through this investigation to indicate that there would be detrimental impact to the public welfare through issuance of the proposed change.

No Enhancement of the Original Right:
No withdrawal of water over and above what has been historically put to beneficial use would be authorized through approval of this change/transfer.

Same Source of Water:
All of the wells involved in this change/transfer are constructed into the Wanapum aquifer or the Grande Ronde aquifer and therefore tap the same body of public ground water.

Conclusion:

It is the conclusion of this examiner that, in accordance with Chapters 90.03 and 90.44 RCW, this application to change/transfer GWC 1713-A will not enlarge the quantity of water historically put to beneficial use, nor will it impair existing rights or be detrimental to the public welfare provided the terms and conditions below are followed.

Recommendations:

The applicant's request to add three points of withdrawal, and change the place of use is approved subject to the following:

This change/transfer authorizes 420 gallons per minute; 224 acre-feet per year from 6 wells for continuous municipal supply.

Points of Withdrawal:

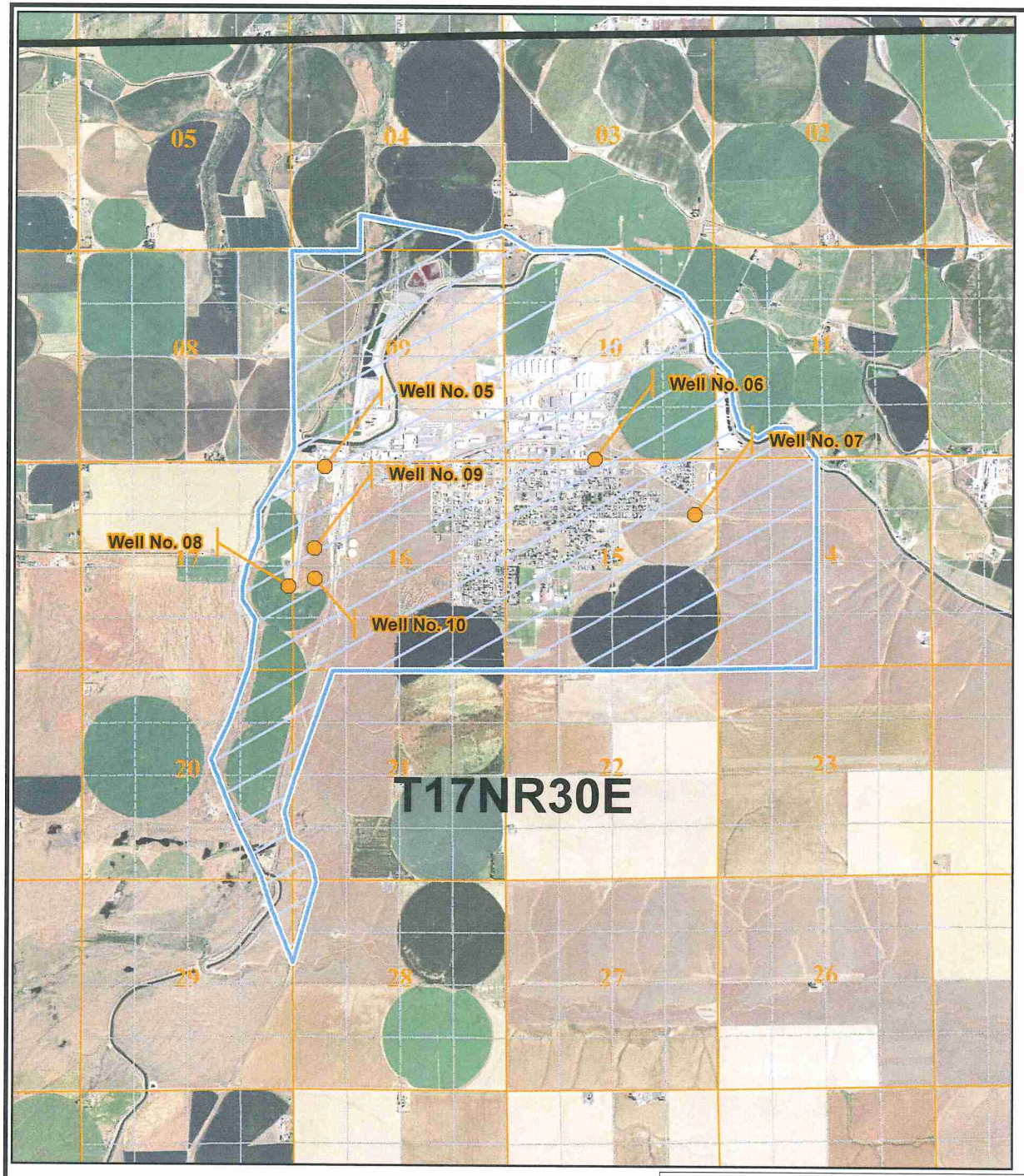
SOURCE FACILITY/DEVICE	PARCEL	WELL TAG	TWP	RNG	SEC	QQ Q	LATITUDE	LONGITUDE
Well 5 (SO2)	181061000	AFA141	17 N.	30 E.	15	NW¼NW¼	46.96957	119.06419
Well 6 (SO3)	060238000	AFA140	17 N.	30 E.	10	SE¼SW¼	46.96985	119.03687
Well 7 (SO4)	061658000		17 N.	30 E.	15	E½NE¼	46.96588	119.02693
Well 8(irrigation well)	060659050		17 N.	30 E.	17	NE¼SE¼	46.96123	119.06775
Well 9 (proposed)		TBD	17 N.	30 E.	16	SW¼NW¼	TBD	TBD
Well 10(proposed)		TBD	17 N.	30 E.	16	NW¼SW¼	TBD	TBD

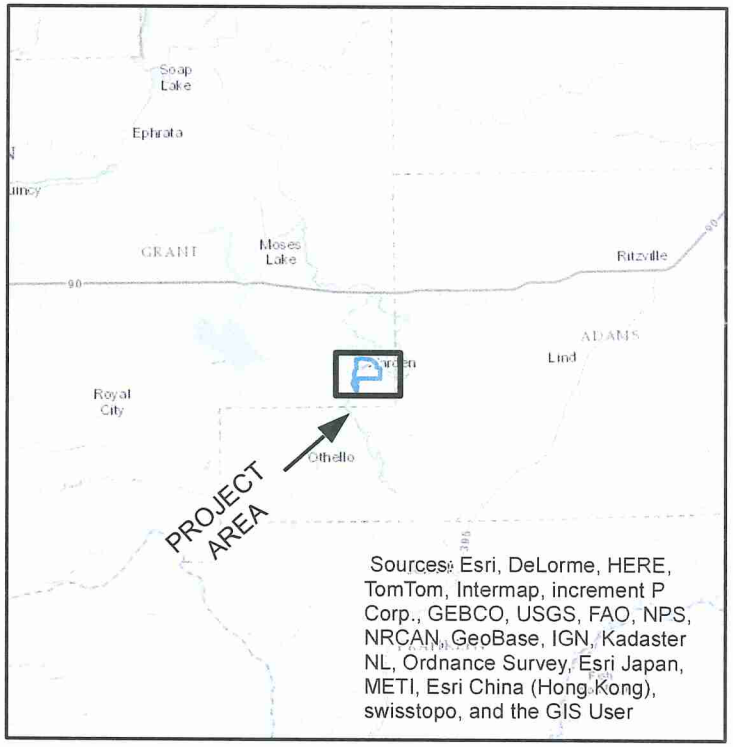
Place of use:

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

Report by: Kevin Brown 5·21·14
Kevin Brown Date

Warden City
Water Right Number 1713-A
T17N/R30E





Basemap - (ESRI US Topographic Maps)

Legend

Authorized Place of Use

Townships

Sections

0 1,320 2,640 5,280 7,920 10,560 13,200 Feet

Basemap - (NAIP 2011 1m color)

DEPARTMENT OF ECOLOGY State of Washington

Map Date: 4/25/2014

Comment:
Place of use and source locations are as defined within the Report of Examination cover sheet for the document identfied in the header above.

ATTACHMENT 1